

ISO 20022

ATM Interface for Transaction Processing and ATM Management - Maintenance 2025 - 2026

Message Definition Report - Part 2

Approved by the Cards and Related Retail Financial Services SEG
on 26 January 2026

This document provides details of the Message Definitions for ATM Interface for Transaction Processing and ATM Management - Maintenance 2025 - 2026.

March 2026

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1 Message Set Overview

Introduction

This document describes the ATM Interface for Transaction Processing and ATM Management message set. It includes the new version of the MessageDefinitions that have been added as part of the maintenance cycle 2025-2026 (See MCR #276) and approved by the Cards and Related Retail Financial Services Standards Evaluation Group on 26 January 2026.

1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
caam.001.001.05 ATMDeviceReportV05	The ATMDeviceReport message is sent to an acquirer by an ATM, or forwarded by an agent, to report: <ul style="list-style-type: none"> - The result of maintenance commands performed by the ATM, - The components of the ATM, - The status of the ATM components.
caam.002.001.04 ATMDeviceControlV04	The ATMDeviceControl message is sent by a maintenance host to an ATM in response to an ATMDeviceReport message. The message contains a sequence of maintenance commands the ATM must perform.
caam.003.001.05 ATMKeyDownloadRequestV05	The ATMKeyDownloadRequest message is sent by an ATM to an ATM manager to initiate the download of one or several cryptographic keys.
caam.004.001.05 ATMKeyDownloadResponseV05	The ATMKeyDownloadResponse message is sent from an acquirer to an ATM in response to an ATMKeyDownloadRequest message, to download of one or several cryptographic keys.
caam.005.001.03 ATMDiagnosticRequestV03	The ATMDiagnosticRequest message is sent from an ATM to an acquirer to verify the availability of the acquirer. The acquirer will also validate that this ATM is a valid ATM for its particular network.
caam.006.001.02 ATMDiagnosticResponseV02	The ATMDiagnosticResponse message is sent by an acquirer to an ATM in response to an ATMDiagnosticRequest message ensuring the availability and the validity of the parameters.
caam.007.001.01 HostToATMRequestV01	The HostToATMRequest message is sent by a host to an ATM to request the ATM to contact a host by sending of a maintenance messages.
caam.008.001.01 HostToATMAcknowledgementV01	The HostToATMAcknowledgement message is sent by an ATM to a host to acknowledge the receipt of a HostToATMRequest message.
caam.009.001.03 ATMReconciliationAdviceV03	The ATMReconciliationAdvice message is sent by an ATM to an acquirer or its agent to send all the counters of the ATM. It can be sent by an operator function or as a response of a command sent by an agent or a server.

MessageDefinition	Definition
caam.010.001.03 ATMReconciliationAcknowledgementV03	The ATMReconciliationAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMReconciliationAdvice message.
caam.011.001.02 ATMExceptionAdviceV02	The ATMExceptionAdvice message is sent by an ATM to an acquirer or its agent to inform of that an exception occurred outside a service.
caam.012.001.02 ATMExceptionAcknowledgementV02	The ATMExceptionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMExceptionAdvice message.
caam.013.001.01 ATMConfigurationReportV01	The ATMConfigurationReport is sent by an ATM to a maintenance host to report the version of the configuration which is active.
caam.014.001.01 ATMConfigurationControlV01	Information related to the protocol management on a segment of the path from the ATM to the acquirer.
caam.015.001.01 ATMReconciliationRequestV01	The ATMReconciliationRequest is sent by an ATM to a maintenance host to notify updates to the reconciliation counts.
caam.016.001.01 ATMReconciliationResponseV01	The ATMReconciliationResponse is sent by a maintenance host to an ATM to identify counts that must be updated.
catp.001.001.03 ATMWithdrawalRequestV03	The ATMWithdrawalRequest message is sent by an ATM to an acquirer or its agent to request the approval of a withdrawal transaction at an ATM.
catp.002.001.03 ATMWithdrawalResponseV03	The ATMWithdrawalResponse message is sent by an acquirer or its agent to an ATM in response to the ATMWithdrawalRequest to inform the ATM of the approval or decline of the withdrawal transaction.
catp.003.001.03 ATMWithdrawalCompletionAdviceV03	<p>The ATMWithdrawalCompletionAdvice message is sent by an ATM to an acquirer or its agent to inform of the result of a withdrawal transaction at an ATM.</p> <p>If the ATM is configured to only send negative completion, a generic completion message should be used instead of ATMCompletionAdvice.</p>
catp.004.001.03 ATMWithdrawalCompletionAcknowledgementV03	The ATMWithdrawalCompletionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMWithdrawalCompletionAdvice message.
catp.005.001.02 ATMRejectV02	The ATMReject message is sent by any entity to reject a received message.
catp.006.001.03 ATMInquiryRequestV03	The ATMInquiryRequest message is sent by an ATM to an ATM manager to request information about a customer (for example card, account).
catp.007.001.03 ATMInquiryResponseV03	The ATMInquiryResponse message is sent by an ATM manager or its agent to the ATM to provide the information and the outcome of the verifications requested in the ATMInquiryRequest.
catp.008.001.03 ATMCompletionAdviceV03	The ATMCompletionAdvice message is sent by an ATM to an acquirer or its agent to inform of the result of a transaction performed on the ATM.

MessageDefinition	Definition
catp.009.001.03 ATMCompletionAcknowledgementV03	The ATMCompletionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMCompletionAdvice message.
catp.010.001.03 ATMPINManagementRequestV03	The ATMPINManagementRequest message is sent by an ATM to an ATM manager to request an operation on the cardholder PIN.
catp.011.001.03 ATMPINManagementResponseV03	The ATMPINManagementResponse message is sent by an ATM manager or its agent to the ATM to provide the information and the outcome of the cardholder PIN operation requested in the ATMPINManagementRequest.
catp.012.001.02 ATMDepositRequestV02	The ATMDepositRequest message is sent by an ATM to an acquirer or its agent to request the approval of a deposit transaction at an ATM, before or after deposit media inside the ATM.
catp.013.001.02 ATMDepositResponseV02	The ATMDepositResponse message is sent by an ATM manager or its agent to inform the ATM of the approval or decline of the deposit transaction.
catp.014.001.02 ATMDepositCompletionAdviceV02	<p>The ATMDepositCompletionAdvice message is sent by an ATM to an acquirer or its agent to inform of the result of a deposit transaction at an ATM.</p> <p>If the ATM is configured to only send negative completion, a generic completion message should be used instead of ATMCompletionAdvice.</p> <p>This message can be used each time a bundle is put in the ATM safe and/or at the end of a multi bundle deposit.</p>
catp.015.001.02 ATMDepositCompletionAcknowledgementV02	The ATMDepositCompletionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMDepositCompletionAdvice message.
catp.016.001.02 ATMTransferRequestV02	The ATMTransferRequest message is sent by an ATM to an ATM manager to request the approval of a fund transfer at the ATM.
catp.017.001.02 ATMTransferResponseV02	The ATMTransferResponse message is sent by an acquirer or its agent to inform the ATM of the approval or decline of the transfer transaction.

2 caam.001.001.05 ATMDDeviceReportV05

2.1 MessageDefinition Functionality

The ATMDDeviceReport message is sent to an acquirer by an ATM, or forwarded by an agent, to report:

- The result of maintenance commands performed by the ATM,
- The components of the ATM,
- The status of the ATM components.

Outline

The ATMDDeviceReportV05 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMDDeviceReport

Encrypted body of the message.

C. ATMDDeviceReport

Information related to the status report from an ATM device.

D. 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
	<i>Message root <Document> <ATMDvcRpt></i>	[1..1]			
	Header <Hdr>	[1..1]			13
	MessageFunction <MsgFctn>	[1..1]			14
	Function <Fctn>	[1..1]	CodeSet		14
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		16
	HostServiceCode <HstSvcCd>	[0..1]	Text		16
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		16
	ExchangeIdentification <XchgId>	[1..1]	Text		16
	CreationDateTime <CreDtTm>	[1..1]	DateTime		16
	InitiatingParty <InitgPty>	[1..1]	Text		16
	RecipientParty <RcptPty>	[0..1]	Text		17
	ProcessState <PrcStat>	[0..1]	Text		17
	Traceability <Tracblt>	[0..*]			17
	RelayIdentification <RlayId>	[1..1]	±		17
	SequenceNumber <SeqNb>	[0..1]	Text		17
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		18
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		18
	ProtectedATMDeviceReport <PrtctdATMDvcRpt>	[0..1]	±		18
	ATMDeviceReport <ATMDvcRpt>	[0..1]			18
	Environment <Envt>	[1..1]			20
	Acquirer <Acqrr>	[0..1]	±		21
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		21
	HostingEntity <HstgNtty>	[0..1]	±		21
	ATM <ATM>	[1..1]	±		21
	ATMGlobalStatus <ATMGblSts>	[1..1]			23
	CurrentStatus <CurSts>	[1..1]	CodeSet		23
	CurrentStatusReason <CurStsRsn>	[0..*]	Text		23
	DemandedStatus <DmnddSts>	[0..1]	CodeSet		23
	CommandResult <CmdRslt>	[0..*]			24
	Type <Tp>	[1..1]	CodeSet		24

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		25
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		25
	CommandIdentification <CmdId>	[0..1]	±		25
	Result <Rslt>	[1..1]	CodeSet		25
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		26
	CommandContext <CmdCntxt>	[0..1]			26
	Type <Tp>	[1..1]	CodeSet		26
	CommandIdentification <CmdId>	[0..1]	±		27
	ATMSecurityContext <ATMSctyCntxt>	[0..1]			27
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		29
	SecuritySchemeCapabilities <SctySchmeCpblties>	[0..*]	CodeSet		29
	SecurityDevice <SctyDvc>	[1..1]			30
	DeviceProperty <DvcPrpty>	[0..1]			30
	Manufacturer <Manfctr>	[0..1]	Text		31
	Model <Mdl>	[0..1]	Text		31
	Version <Vrsn>	[0..1]	Text		31
	SerialNumber <SrlNb>	[0..1]	Text		31
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		31
	FirmwareIdentification <Frmwrld>	[0..1]	Text		31
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		32
	CurrentConfiguration <CurCfgtn>	[1..1]	±		32
	SupportedConfiguration <SpprtdCfgtn>	[0..1]	±		32
	CurrentStatus <CurSts>	[1..1]	CodeSet		32
	Incident <Incdnt>	[0..1]	CodeSet		33
	BindingState <BndgStat>	[0..1]	CodeSet		33
	Key <Key>	[0..*]			33
	Name <Nm>	[0..1]	Text		34
	Identification <Id>	[0..1]	Text		34
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		34
	AdditionalIdentification <AddtlId>	[0..1]	Binary		34
	Version <Vrsn>	[0..1]	Text		34

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SequenceCounter <SeqCntr>	[0..1]	Quantity		35
	Type <Tp>	[1..1]	CodeSet		35
	Function <Fctn>	[1..*]	CodeSet		36
	ActivationDate <ActvtnDt>	[0..1]	DateTime		37
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		37
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		37
	CurrentStatus <CurSts>	[1..1]	CodeSet		37
	FailureReason <FailrRsn>	[0..1]	CodeSet		37
	HostChallenge <HstChllng>	[0..1]	Binary		37
	SecurityTrailer <SctyTrlr>	[0..1]			38
	ContentType <CnttTp>	[1..1]	CodeSet		38
	AuthenticatedData <AuthntcdData>	[0..1]	±		38
	SignedData <SgndData>	[0..1]	±		39

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 Country

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

2.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

2.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			14
	Function <Fctn>	[1..1]	CodeSet		14
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		16
	HostServiceCode <HstSvcCd>	[0..1]	Text		16
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		16
	ExchangeIdentification <XchgId>	[1..1]	Text		16
	CreationDateTime <CreDtTm>	[1..1]	DateTime		16
	InitiatingParty <InitgPty>	[1..1]	Text		16
	RecipientParty <RcptPty>	[0..1]	Text		17
	ProcessState <PrcStat>	[0..1]	Text		17
	Traceability <Tracblt>	[0..*]			17
	RelayIdentification <RlayId>	[1..1]	±		17
	SequenceNumber <SeqNb>	[0..1]	Text		17
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		18
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		18

2.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		14
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		16
	HostServiceCode <HstSvcCd>	[0..1]	Text		16

2.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

2.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

2.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

2.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

2.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

2.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

2.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

2.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

2.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

2.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		17
	SequenceNumber <SeqNb>	[0..1]	Text		17
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		18
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		18

2.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

2.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

2.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

2.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

2.4.2 ProtectedATMDDeviceReport <PrtctdATMDvcRpt>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDDeviceReport <PrtctdATMDvcRpt> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

2.4.3 ATMDDeviceReport <ATMDvcRpt>

Presence: [0..1]

Definition: Information related to the status report from an ATM device.

ATMDeviceReport <ATMDvcRpt> contains the following **ATMDeviceReport5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			20
	Acquirer <Acqrr>	[0..1]	±		21
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		21
	HostingEntity <HstgNtty>	[0..1]	±		21
	ATM <ATM>	[1..1]	±		21
	ATMGlobalStatus <ATMGblSts>	[1..1]			23
	CurrentStatus <CurSts>	[1..1]	CodeSet		23
	CurrentStatusReason <CurStsRsn>	[0..*]	Text		23
	DemandedStatus <DmnddSts>	[0..1]	CodeSet		23
	CommandResult <CmdRslt>	[0..*]			24
	Type <Tp>	[1..1]	CodeSet		24
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		25
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		25
	CommandIdentification <Cmdld>	[0..1]	±		25
	Result <Rslt>	[1..1]	CodeSet		25
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		26
	CommandContext <CmdCntxt>	[0..1]			26
	Type <Tp>	[1..1]	CodeSet		26
	CommandIdentification <Cmdld>	[0..1]	±		27
	ATMSecurityContext <ATMSctyCntxt>	[0..1]			27
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		29
	SecuritySchemeCapabilities <SctySchmeCpblties>	[0..*]	CodeSet		29
	SecurityDevice <SctyDvc>	[1..1]			30
	DeviceProperty <DvcPrpty>	[0..1]			30
	Manufacturer <Manfctr>	[0..1]	Text		31
	Model <Mdl>	[0..1]	Text		31
	Version <Vrsn>	[0..1]	Text		31
	SerialNumber <SrlNb>	[0..1]	Text		31
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		31
	FirmwareIdentification <Frmwrld>	[0..1]	Text		31
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		32

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrentConfiguration <CurCfgtn>	[1..1]	±		32
	SupportedConfiguration <SpprtdCfgtn>	[0..1]	±		32
	CurrentStatus <CurSts>	[1..1]	CodeSet		32
	Incident <Incdnt>	[0..1]	CodeSet		33
	BindingState <BndgStat>	[0..1]	CodeSet		33
	Key <Key>	[0..*]			33
	Name <Nm>	[0..1]	Text		34
	Identification <Id>	[0..1]	Text		34
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		34
	AdditionalIdentification <AddtlId>	[0..1]	Binary		34
	Version <Vrsn>	[0..1]	Text		34
	SequenceCounter <SeqCntr>	[0..1]	Quantity		35
	Type <Tp>	[1..1]	CodeSet		35
	Function <Fctn>	[1..*]	CodeSet		36
	ActivationDate <ActvtnDt>	[0..1]	DateTime		37
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		37
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		37
	CurrentStatus <CurSts>	[1..1]	CodeSet		37
	FailureReason <FailrRsn>	[0..1]	CodeSet		37
	HostChallenge <HstChllng>	[0..1]	Binary		37

2.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		21
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		21
	HostingEntity <HstgNtty>	[0..1]	±		21
	ATM <ATM>	[1..1]	±		21

2.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

2.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "[Max35Text](#)" on page 1483

2.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

2.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine5" on page 1360 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1362
	AdditionalIdentification <AddtlId>	[0..1]	Text		1362
	SequenceNumber <SeqNb>	[0..1]	Text		1362
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1362
	Location <Lctn>	[0..1]			1362
	AddressLine <AdrLine>	[0..2]	Text		1363
	StreetName <StrtNm>	[0..1]	Text		1363
	BuildingNumber <BldgNb>	[0..1]	Text		1363
	PostCode <PstCd>	[0..1]	Text		1363
	TownName <TwnNm>	[1..1]	Text		1364
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1364
	Country <Ctry>	[1..1]	CodeSet	C1	1364
	GeoLocation <GLctn>	[0..1]			1364
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1364
	Latitude <Lat>	[1..1]	Text		1365
	Longitude <Long>	[1..1]	Text		1365
Or}	UTMCoordinates <UTMCordints>	[1..1]			1365
	UTMZone <UTMZone>	[1..1]	Text		1365
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1365
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1366
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1366
	Equipment <Eqpmnt>	[0..1]			1366
	Manufacturer <Manfctr>	[0..1]	Text		1366
	Model <Mdl>	[0..1]	Text		1367
	SerialNumber <SrlNb>	[0..1]	Text		1367
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1367
	ApplicationName <ApplNm>	[0..1]	Text		1367
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1367
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1367
	ConfigurationParameter <CfgrtnParam>	[0..*]			1367
	Type <Tp>	[1..1]	CodeSet		1367

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1368
	OutOfServiceDevice <OutOfSvcDvc>	[0..*]	CodeSet		1368
	MessageProtection <MsgPrtcn>	[0..1]	CodeSet		1369

2.4.3.2 ATMGlobalStatus <ATMGblSts>

Presence: [1..1]

Definition: Global status of the ATM.

ATMGlobalStatus <ATMGblSts> contains the following **ATMStatus2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrentStatus <CurSts>	[1..1]	CodeSet		23
	CurrentStatusReason <CurStsRsn>	[0..*]	Text		23
	DemandedStatus <DmnddSts>	[0..1]	CodeSet		23

2.4.3.2.1 CurrentStatus <CurSts>

Presence: [1..1]

Definition: Actual status of the ATM.

Datatype: "ATMStatus1Code" on page 1453

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

2.4.3.2.2 CurrentStatusReason <CurStsRsn>

Presence: [0..*]

Definition: Description of the cause of the ATM's status. This would typically be populated with a value when CurrentStatus is OutOfService (OUTS).

Datatype: "Max35Text" on page 1483

2.4.3.2.3 DemandedStatus <DmnddSts>

Presence: [0..1]

Definition: Present if the status required by the ATM manager is different from the current status.

Datatype: "ATMStatus1Code" on page 1453

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

2.4.3.3 CommandResult <CmdRslt>

Presence: [0..*]

Definition: Result of a maintenance command performed by the ATM.

CommandResult <CmdRslt> contains the following **ATMCommand15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		24
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		25
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		25
	CommandIdentification <CmdId>	[0..1]	±		25
	Result <Rslt>	[1..1]	CodeSet		25
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		26

2.4.3.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand7Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34

CodeName	Name	Definition
		scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

2.4.3.3.2 RequiredDateTime <ReqrdDtTm>

Presence: [0..1]

Definition: Date time on which the command has been requested to be performed.

Datatype: "ISODatetime" on page 1478

2.4.3.3.3 ProcessedDateTime <PrccdDtTm>

Presence: [1..1]

Definition: Date time on which the command has been performed.

Datatype: "ISODatetime" on page 1478

2.4.3.3.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prccr>	[0..1]	Text		1376

2.4.3.3.5 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed command at the ATM.

Datatype: "TerminalManagementActionResult2Code" on page 1476

CodeName	Name	Definition
CNTE	ConnectionError	Problem to connect while performing the action.
FMTE	FormatError	Data transferred has a wrong format.
HRDW	Hardware	Hardware error.

CodeName	Name	Definition
NSUP	NotSupported	Action is not supported.
SECR	Security	Security error.
SUCC	Success	Action was successfully performed.
SYNE	SyntaxError	Data transferred has a wrong syntax.
TIMO	Timeout	Timeout expired during the data transfer.
UKRF	UnknownKeyReference	Cryptographic key reference used for the data signature is not valid.

2.4.3.3.6 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information on the failure to be logged for further examination.

Datatype: "Max140Text" on page 1482

2.4.3.4 CommandContext <CmdCntxt>

Presence: [0..1]

Definition: Maintenance command which has requested the device report.

CommandContext <CmdCntxt> contains the following **ATMCommand16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		26
	CommandIdentification <CmdId>	[0..1]	±		27

2.4.3.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand7Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.

CodeName	Name	Definition
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34 scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

2.4.3.4.2 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "[ATMCommandIdentification1](#)" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prccr>	[0..1]	Text		1376

2.4.3.5 ATMSecurityContext <ATMSctyCntxt>

Presence: [0..1]

Definition: Information related to security commands.

ATMSecurityContext <ATMSctyCntxt> contains the following **ATMSecurityContext6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		29
	SecuritySchemeCapabilities <SctySchmeCpblties>	[0..*]	CodeSet		29
	SecurityDevice <SctyDvc>	[1..1]			30
	DeviceProperty <DvcPrpty>	[0..1]			30
	Manufacturer <Manfctr>	[0..1]	Text		31
	Model <Mdl>	[0..1]	Text		31
	Version <Vrsn>	[0..1]	Text		31
	SerialNumber <SrlNb>	[0..1]	Text		31
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		31
	FirmwareIdentification <Frmwrld>	[0..1]	Text		31
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		32
	CurrentConfiguration <CurCfgtn>	[1..1]	±		32
	SupportedConfiguration <SpprtdCfgtn>	[0..1]	±		32
	CurrentStatus <CurSts>	[1..1]	CodeSet		32
	Incident <Incdnt>	[0..1]	CodeSet		33
	BindingState <BndgStat>	[0..1]	CodeSet		33
	Key <Key>	[0..*]			33
	Name <Nm>	[0..1]	Text		34
	Identification <Id>	[0..1]	Text		34
	SecurityDomainIdentification <SctyDomnld>	[0..1]	Text		34
	AdditionalIdentification <Addtlld>	[0..1]	Binary		34
	Version <Vrsn>	[0..1]	Text		34
	SequenceCounter <SeqCntr>	[0..1]	Quantity		35
	Type <Tp>	[1..1]	CodeSet		35
	Function <Fctn>	[1..*]	CodeSet		36
	ActivationDate <ActvtnDt>	[0..1]	DateTime		37
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		37
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		37
	CurrentStatus <CurSts>	[1..1]	CodeSet		37
	FailureReason <FailrRsn>	[0..1]	CodeSet		37
	HostChallenge <HstChllng>	[0..1]	Binary		37

2.4.3.5.1 CurrentSecurityScheme <CurSctySchme>

Presence: [1..1]

Definition: Key exchange security scheme in activation on the ATM for the host manager.

Datatype: "ATMSecurityScheme3Code" on page 1447

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxembourg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
NONE	Unitialised	No key exchange performed, no security scheme defined.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

2.4.3.5.2 SecuritySchemeCapabilities <SctySchmeCpblties>

Presence: [0..*]

Definition: Key exchange security schemes implemented in the hardware security module of the ATM.

Datatype: "ATMSecurityScheme4Code" on page 1448

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxembourg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.

CodeName	Name	Definition
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

2.4.3.5.3 SecurityDevice <SctyDvc>

Presence: [1..1]

Definition: Hardware security module of the ATM.

SecurityDevice <SctyDvc> contains the following **ATMSecurityDevice2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeviceProperty <DvcPrpty>	[0..1]			30
	Manufacturer <Manfctr>	[0..1]	Text		31
	Model <Mdl>	[0..1]	Text		31
	Version <Vrsn>	[0..1]	Text		31
	SerialNumber <SrlNb>	[0..1]	Text		31
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		31
	FirmwareIdentification <FrmwrlId>	[0..1]	Text		31
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		32
	CurrentConfiguration <CurCfgtn>	[1..1]	±		32
	SupportedConfiguration <SpprtdCfgtn>	[0..1]	±		32
	CurrentStatus <CurSts>	[1..1]	CodeSet		32
	Incident <Incdnt>	[0..1]	CodeSet		33
	BindingState <BndgStat>	[0..1]	CodeSet		33

2.4.3.5.3.1 DeviceProperty <DvcPrpty>

Presence: [0..1]

Definition: Hardware security module information, so called EPP for Encrypted PIN Pad.

DeviceProperty <DvcPrprty> contains the following **ATMEquipment2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		31
	Model <Mdl>	[0..1]	Text		31
	Version <Vrsn>	[0..1]	Text		31
	SerialNumber <SrINb>	[0..1]	Text		31
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		31
	FirmwareIdentification <FrmwrlId>	[0..1]	Text		31
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		32

2.4.3.5.3.1.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.1.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.1.3 Version <Vrsn>

Presence: [0..1]

Definition: Version of the device model.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.1.4 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.1.5 FirmwareProvider <FrmwrPrvdr>

Presence: [0..1]

Definition: Provider of the firmware.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.1.6 FirmwareIdentification <FrmwrlId>

Presence: [0..1]

Definition: Identification of the firmware.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.1.7 FirmwareVersion <FrmwrVrsn>

Presence: [0..1]

Definition: Version of the firmware.

Datatype: "Max35Text" on page 1483

2.4.3.5.3.2 CurrentConfiguration <CurCfgtn>

Presence: [1..1]

Definition: Configuration parameters in use by the security device.

CurrentConfiguration <CurCfgtn> contains the following elements (see "ATMSecurityConfiguration1" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1324
	Encryption <Ncrptn>	[0..1]	±		1324
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1325
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1326
	DigitalSignature <DgtlSgntr>	[0..1]	±		1326
	PIN <PIN>	[0..1]	±		1327
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1327

2.4.3.5.3.3 SupportedConfiguration <SpprtdCfgtn>

Presence: [0..1]

Definition: Configuration parameters supported by the security device.

SupportedConfiguration <SpprtdCfgtn> contains the following elements (see "ATMSecurityConfiguration1" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1324
	Encryption <Ncrptn>	[0..1]	±		1324
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1325
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1326
	DigitalSignature <DgtlSgntr>	[0..1]	±		1326
	PIN <PIN>	[0..1]	±		1327
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1327

2.4.3.5.3.4 CurrentStatus <CurSts>

Presence: [1..1]

Definition: Current status of the security device.

Datatype: "ATMStatus2Code" on page 1453

CodeName	Name	Definition
OPER	InOperation	Component is activated and in operation.
OUTS	OutOfService	ATM out of service.

2.4.3.5.3.5 Incident <IncDnt>

Presence: [0..1]

Definition: Incident occurring on the device.

Datatype: "FailureReason5Code" on page 1461

CodeName	Name	Definition
SECR	Security	General security error.
HRDW	Hardware	Hardware error on the device.

2.4.3.5.3.6 BindingState <BndgStat>

Presence: [0..1]

Definition: Binding state of the security device.

Datatype: "TR34Status1Code" on page 1477

CodeName	Name	Definition
BUND	Bound	The device is bound.
UBND	Unbound	The device is unbound.

2.4.3.5.4 Key <Key>

Presence: [0..*]

Definition: Cryptographic keys stored in the hardware security module of the ATM.

Key <Key> contains the following **CryptographicKey20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		34
	Identification <Id>	[0..1]	Text		34
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		34
	AdditionalIdentification <AddtlId>	[0..1]	Binary		34
	Version <Vrsn>	[0..1]	Text		34
	SequenceCounter <SeqCntr>	[0..1]	Quantity		35
	Type <Tp>	[1..1]	CodeSet		35
	Function <Fctn>	[1..*]	CodeSet		36
	ActivationDate <ActvtnDt>	[0..1]	DateTime		37
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		37
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		37
	CurrentStatus <CurSts>	[1..1]	CodeSet		37
	FailureReason <FailrRsn>	[0..1]	CodeSet		37

2.4.3.5.4.1 Name <Nm>

Presence: [0..1]

Definition: Name or label of the key.

Datatype: "Max140Text" on page 1482

2.4.3.5.4.2 Identification <Id>

Presence: [0..1]

Definition: Name of the cryptographic key.

Datatype: "Max140Text" on page 1482

2.4.3.5.4.3 SecurityDomainIdentification <SctyDomnId>

Presence: [0..1]

Definition: Identification of the security domain.

Datatype: "Max35Text" on page 1483

2.4.3.5.4.4 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: Additional identification of the key, for instance to derive the key.

Datatype: "Max35Binary" on page 1433

2.4.3.5.4.5 Version <Vrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max256Text" on page 1483

2.4.3.5.4.6 SequenceCounter <SeqCntr>

Presence: [0..1]

Definition: Sequence counter of the cryptographic key.

Datatype: "Number" on page 1480

2.4.3.5.4.7 Type <Tp>

Presence: [1..1]

Definition: Type of algorithm used by the cryptographic key.

Datatype: "CryptographicKeyType5Code" on page 1459

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).
UKA2	UKPTAES192	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).
UKA6	UKPTAES256	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 256 bits length key. FIPS 197 - 6 November 2001).

CodeName	Name	Definition
RSAC	RSA	Rivest, Shamir and Adleman.
ECCC	ECC	Elliptic-curve cryptography.
DKAE	DUKPTAES	DUKPT AES (Derived Unique Key Per Transaction) algorithm.
UKA8	UKPTAES128	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 128 bits length key. FIPS 197 - 6 November 2001).

2.4.3.5.4.8 Function <Fctn>

Presence: [1..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1465

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.

2.4.3.5.4.9 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODateTime" on page 1478

2.4.3.5.4.10 DeactivationDate <DeactvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODateTime" on page 1478

2.4.3.5.4.11 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key.

Datatype: "Max35Binary" on page 1433

2.4.3.5.4.12 CurrentStatus <CurSts>

Presence: [1..1]

Definition: Current status of the key.

Datatype: "ATMStatus3Code" on page 1453

CodeName	Name	Definition
OPER	InOperation	Component is activated and in operation.
STOP	Stopped	Component has been stopped.
WACT	WaitingActivation	Component has been loaded, but not yet activated.

2.4.3.5.4.13 FailureReason <FailRsn>

Presence: [0..1]

Definition: Reason for which the key has been stopped.

Datatype: "FailureReason6Code" on page 1462

CodeName	Name	Definition
CMPR	Compromised	Key is compromised.
EXPR	Expired	Key has expired.
KCVE	InvalidKCV	Key check value is incorrect.
KLOD	KeyLoadError	Error during the key download in the security device.

2.4.3.5.5 HostChallenge <HstChllng>

Presence: [0..1]

Definition: Random value from the host provided during a previous exchange.

Datatype: "Max140Binary" on page 1432

2.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		38
	AuthenticatedData <AuthntcdData>	[0..1]	±		38
	SignedData <SgndData>	[0..1]	±		39

2.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

2.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

2.4.4.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData4" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1398
	DigestAlgorithm <DgstAlgo>	[1..*]			1399
	Algorithm <Algo>	[1..1]	CodeSet		1399
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1399
	Certificate <Cert>	[0..*]	Binary		1399
	Signer <Sgnr>	[1..*]			1400
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

3 caam.002.001.04 ATMDDeviceControlV04

3.1 MessageDefinition Functionality

The ATMDDeviceControl message is sent by a maintenance host to an ATM in response to an ATMDDeviceReport message. The message contains a sequence of maintenance commands the ATM must perform.

Outline

The ATMDDeviceControlV04 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMDDeviceControl
Encrypted body of the message.
- C. ATMDDeviceControl
Information related to the control of an ATM device.
- D. 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> <ATMDvcCtrl>	[1..1]			
	Header <Hdr>	[1..1]			44
	MessageFunction <MsgFctn>	[1..1]			44
	Function <Fctn>	[1..1]	CodeSet		45
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		46
	HostServiceCode <HstSvcCd>	[0..1]	Text		46
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		46
	ExchangeIdentification <XchgId>	[1..1]	Text		47
	CreationDateTime <CreDtTm>	[1..1]	DateTime		47
	InitiatingParty <InitgPty>	[1..1]	Text		47
	RecipientParty <RcptPty>	[0..1]	Text		47
	ProcessState <PrcStat>	[0..1]	Text		47
	Traceability <Tracblt>	[0..*]			47
	RelayIdentification <RlayId>	[1..1]	±		47
	SequenceNumber <SeqNb>	[0..1]	Text		48
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		48
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		48
	ProtectedATMDeviceControl <PrtctdATMDvcCtrl>	[0..1]	±		48
	ATMDeviceControl <ATMDvcCtrl>	[0..1]			48
	Environment <Envnt>	[1..1]			50
	Acquirer <Acqrr>	[0..1]	±		50
	ATMManager <ATMMgr>	[0..1]	±		50
	HostingEntity <HstgNtty>	[0..1]	±		50
	ATM <ATM>	[1..1]	±		51
	Command <Cmd>	[0..*]			51
	Type <Tp>	[1..1]	CodeSet		52
	Urgency <Urgcy>	[1..1]	CodeSet		53
	DateTime <DtTm>	[0..1]	DateTime		54
	CommandIdentification <CmdId>	[0..1]	±		54
	Reason <Rsn>	[0..1]	CodeSet		54

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TraceReason <TracRsn>	[0..*]	CodeSet		54
	AdditionalReasonInformation <AddtlRsnInf>	[0..1]	Text		55
	CommandParameters <CmdParams>	[0..1]			55
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		56
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		56
Or	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			57
	Type <Tp>	[1..1]	CodeSet		57
	Version <Vrsn>	[1..1]	Text		58
Or	RequiredSecurityScheme <ReqrdSctySchme>	[1..1]	CodeSet		58
Or	SecurityDevice <SctyDvc>	[1..1]			58
	SerialNumber <SrlNb>	[0..1]	Text		58
	RequiredConfiguration <ReqrdCfgtn>	[0..1]	±		59
	RequiredStatus <ReqrdSts>	[0..1]	CodeSet		59
Or}	Key <Key>	[1..1]			59
	KeyCategory <KeyCtgy>	[0..1]	CodeSet		60
	HostChallenge <HstChllng>	[0..1]	Binary		60
	Certificate <Cert>	[0..*]	Binary		60
	KeyProperties <KeyProps>	[0..*]			60
	Name <Nm>	[0..1]	Text		61
	KeyIdentification <KeyId>	[0..1]	Text		61
	KeyVersion <KeyVrsn>	[0..1]	Text		61
	SecurityTrailer <SctyTrlr>	[0..1]			61
	ContentType <CnttTp>	[1..1]	CodeSet		61
	AuthenticatedData <AuthntcdData>	[0..1]	±		62
	SignedData <SgndData>	[0..1]	±		62

3.3 Constraints

C1 Country

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

3.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

3.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			44
	Function <Fctn>	[1..1]	CodeSet		45
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		46
	HostServiceCode <HstSvcCd>	[0..1]	Text		46
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		46
	ExchangeIdentification <XchgId>	[1..1]	Text		47
	CreationDateTime <CreDtTm>	[1..1]	DateTime		47
	InitiatingParty <InitgPty>	[1..1]	Text		47
	RecipientParty <RcptPty>	[0..1]	Text		47
	ProcessState <PrcStat>	[0..1]	Text		47
	Traceability <Tracblt>	[0..*]			47
	RelayIdentification <RlayId>	[1..1]	±		47
	SequenceNumber <SeqNb>	[0..1]	Text		48
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		48
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		48

3.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		45
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		46
	HostServiceCode <HstSvcCd>	[0..1]	Text		46

3.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.

CodeName	Name	Definition
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

3.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

3.4.1.1.3 HstSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

3.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

3.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

3.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

3.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

3.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

3.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

3.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		47
	SequenceNumber <SeqNb>	[0..1]	Text		48
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		48
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		48

3.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

3.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

3.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

3.4.1.8.4 TraceDateTimeout <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

3.4.2 ProtectedATMDeviceControl <PrtctdATMDvcCtrl>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDeviceControl <PrtctdATMDvcCtrl> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

3.4.3 ATMDeviceControl <ATMDvcCtrl>

Presence: [0..1]

Definition: Information related to the control of an ATM device.

ATMDeviceControl <ATMDvcCtrl> contains the following **ATMDeviceControl3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			50
	Acquirer <Acqrr>	[0..1]	±		50
	ATMManager <ATMMgr>	[0..1]	±		50
	HostingEntity <HstgNtty>	[0..1]	±		50
	ATM <ATM>	[1..1]	±		51
	Command <Cmd>	[0..*]			51
	Type <Tp>	[1..1]	CodeSet		52
	Urgency <Urgcy>	[1..1]	CodeSet		53
	DateTime <DtTm>	[0..1]	DateTime		54
	CommandIdentification <CmdId>	[0..1]	±		54
	Reason <Rsn>	[0..1]	CodeSet		54
	TraceReason <TracRsn>	[0..*]	CodeSet		54
	AdditionalReasonInformation <AddtlRsnInf>	[0..1]	Text		55
	CommandParameters <CmdParams>	[0..1]			55
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		56
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		56
Or	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			57
	Type <Tp>	[1..1]	CodeSet		57
	Version <Vrsn>	[1..1]	Text		58
Or	RequiredSecurityScheme <ReqrdSctySchme>	[1..1]	CodeSet		58
Or	SecurityDevice <SctyDvc>	[1..1]			58
	SerialNumber <SrINb>	[0..1]	Text		58
	RequiredConfiguration <ReqrdCfgtn>	[0..1]	±		59
	RequiredStatus <ReqrdSts>	[0..1]	CodeSet		59
Or}	Key <Key>	[1..1]			59
	KeyCategory <KeyCtgy>	[0..1]	CodeSet		60
	HostChallenge <HstChllng>	[0..1]	Binary		60
	Certificate <Cert>	[0..*]	Binary		60
	KeyProperties <KeyProps>	[0..*]			60
	Name <Nm>	[0..1]	Text		61

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[0..1]	Text		61
	KeyVersion <KeyVrsn>	[0..1]	Text		61

3.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		50
	ATMManager <ATMMgr>	[0..1]	±		50
	HostingEntity <HstgNtty>	[0..1]	±		50
	ATM <ATM>	[1..1]	±		51

3.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

3.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "[Acquirer8](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1319

3.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

3.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

3.4.3.2 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command the ATM must perform.

Command <Cmd> contains the following **ATMCommand14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		52
	Urgency <Urgcy>	[1..1]	CodeSet		53
	DateTime <DtTm>	[0..1]	DateTime		54
	CommandIdentification <CmdId>	[0..1]	±		54
	Reason <Rsn>	[0..1]	CodeSet		54
	TraceReason <TracRsn>	[0..*]	CodeSet		54
	AdditionalReasonInformation <AddtlRsnInf>	[0..1]	Text		55
	CommandParameters <CmdParams>	[0..1]			55
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		56
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		56
Or	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			57
	Type <Tp>	[1..1]	CodeSet		57
	Version <Vrsn>	[1..1]	Text		58
Or	RequiredSecurityScheme <ReqrdSctySchme>	[1..1]	CodeSet		58
Or	SecurityDevice <SctyDvc>	[1..1]			58
	SerialNumber <SrINb>	[0..1]	Text		58
	RequiredConfiguration <ReqrdCfgtn>	[0..1]	±		59
	RequiredStatus <ReqrdSts>	[0..1]	CodeSet		59
Or}	Key <Key>	[1..1]			59
	KeyCategory <KeyCtgy>	[0..1]	CodeSet		60
	HostChallenge <HstChllng>	[0..1]	Binary		60
	Certificate <Cert>	[0..*]	Binary		60
	KeyProperties <KeyProps>	[0..*]			60
	Name <Nm>	[0..1]	Text		61
	KeyIdentification <KeyId>	[0..1]	Text		61
	KeyVersion <KeyVrsn>	[0..1]	Text		61

3.4.3.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand7Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34 scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

3.4.3.2.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

CodeName	Name	Definition
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.
ENCS	EndCustomerSession	After the end of the customer session.

3.4.3.2.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODatetime" on page 1478

3.4.3.2.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

3.4.3.2.5 Reason <Rsn>

Presence: [0..1]

Definition: Reason for sending the command.

Datatype: "ATMCommandReason1Code" on page 1442

CodeName	Name	Definition
DIAG	Diagnostic	Request the status of or action from the ATM to perform a diagnostic.
MONI	Monitoring	Supervise the ATM.
SECU	SecurityError	Security error.
SYNC	Synchronisation	Desynchronisation of dialogue between entities.
UPDT	Update	Update the ATM.

3.4.3.2.6 TraceReason <TracRsn>

Presence: [0..*]

Definition: Trace of reasons by the entities in the path from the origin of the command to the ATM.

Datatype: "ATMCommandReason1Code" on page 1442

CodeName	Name	Definition
DIAG	Diagnostic	Request the status of or action from the ATM to perform a diagnostic.
MONI	Monitoring	Supervise the ATM.
SECU	SecurityError	Security error.
SYNC	Synchronisation	Desynchronisation of dialogue between entities.
UPDT	Update	Update the ATM.

3.4.3.2.7 AdditionalReasonInformation <AddtlRsnInf>

Presence: [0..1]

Definition: Additional information about the reason to request this command.

Datatype: "Max70Text" on page 1485

3.4.3.2.8 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following
ATMCommandParameters3Choice elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		56
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		56
Or	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			57
	Type <Tp>	[1..1]	CodeSet		57
	Version <Vrsn>	[1..1]	Text		58
Or	RequiredSecurityScheme <ReqrdSctySchme>	[1..1]	CodeSet		58
Or	SecurityDevice <SctyDvc>	[1..1]			58
	SerialNumber <SrlNb>	[0..1]	Text		58
	RequiredConfiguration <ReqrdCfgtn>	[0..1]	±		59
	RequiredStatus <ReqrdSts>	[0..1]	CodeSet		59
Or}	Key <Key>	[1..1]			59
	KeyCategory <KeyCtgy>	[0..1]	CodeSet		60
	HostChallenge <HstChllng>	[0..1]	Binary		60
	Certificate <Cert>	[0..*]	Binary		60
	KeyProperties <KeyProps>	[0..*]			60
	Name <Nm>	[0..1]	Text		61
	KeyIdentification <KeyId>	[0..1]	Text		61
	KeyVersion <KeyVrsn>	[0..1]	Text		61

3.4.3.2.8.1 ATMRequiredGlobalStatus <ATMReqrdGblSts>

Presence: [1..1]

Definition: Required status of the ATM, parameters of the status update command.

Datatype: "ATMStatus1Code" on page 1453

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

3.4.3.2.8.2 ExpectedMessageFunction <XpctdMsgFctn>

Presence: [1..1]

Definition: Message to send for the send message command.

Datatype: "MessageFunction8Code" on page 1468

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
GSTS	ATMGlobalStatus	Global status of the ATM.
DSEC	SecurityDetails	Security detailed report.
INQC	CountersInquiry	Request the value of the ATM counters.
KEYQ	KeyExchangeRequest	Request of a key exchange.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

3.4.3.2.8.3 RequiredConfigurationParameter <ReqrdCfgtnParam>

Presence: [1..1]

Definition: Parameters to be used by the configuration update command.

RequiredConfigurationParameter <ReqrdCfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		57
	Version <Vrsn>	[1..1]	Text		58

3.4.3.2.8.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

3.4.3.2.8.3.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

3.4.3.2.8.4 RequiredSecurityScheme <ReqrdSctySchme>

Presence: [1..1]

Definition: Parameters to be used by the security scheme update command.

Datatype: "ATMSecurityScheme4Code" on page 1448

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxemburg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

3.4.3.2.8.5 SecurityDevice <SctyDvc>

Presence: [1..1]

Definition: Parameters to be used to update the configuration or the status security device.

SecurityDevice <SctyDvc> contains the following **ATMCommandParameters1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SerialNumber <SrINb>	[0..1]	Text		58
	RequiredConfiguration <ReqrdCfgtn>	[0..1]	±		59
	RequiredStatus <ReqrdSts>	[0..1]	CodeSet		59

3.4.3.2.8.5.1 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the device.

Datatype: "Max35Text" on page 1483

3.4.3.2.8.5.2 RequiredConfiguration <ReqrdCfgr>

Presence: [0..1]

Definition: Update of the security configuration to apply on the security module of the ATM.

RequiredConfiguration <ReqrdCfgr> contains the following elements (see "ATMSecurityConfiguration1" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1324
	Encryption <Ncrptn>	[0..1]	±		1324
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1325
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1326
	DigitalSignature <DgtlSgntr>	[0..1]	±		1326
	PIN <PIN>	[0..1]	±		1327
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1327

3.4.3.2.8.5.3 RequiredStatus <ReqrdSts>

Presence: [0..1]

Definition: New status to apply on the security module of the ATM.

Datatype: "ATMStatus2Code" on page 1453

CodeName	Name	Definition
OPER	InOperation	Component is activated and in operation.
OUTS	OutOfService	ATM out of service.

3.4.3.2.8.6 Key <Key>

Presence: [1..1]

Definition: Parameters to be used by the various cryptographic key commands.

Key <Key> contains the following **ATMConfigurationParameter2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyCategory <KeyCtgy>	[0..1]	CodeSet		60
	HostChallenge <HstChllng>	[0..1]	Binary		60
	Certificate <Cert>	[0..*]	Binary		60
	KeyProperties <KeyProps>	[0..*]			60
	Name <Nm>	[0..1]	Text		61
	KeyIdentification <KeyId>	[0..1]	Text		61
	KeyVersion <KeyVrsn>	[0..1]	Text		61

3.4.3.2.8.6.1 KeyCategory <KeyCtgy>

Presence: [0..1]

Definition: Category of the cryptographic key.

Datatype: "CryptographicKeyType4Code" on page 1458

CodeName	Name	Definition
APPL	Application	Key used to protect application information.
DATA	Data	Key used to protect data in the messages.
DYNC	Dynamic	Any cryptographic key that can be downloaded.
KENC	KeyEncryption	Key used to encrypt other keys.
MACK	MAC	Key used to generate the MAC of a message.
PINK	PIN	Key used to encrypt a PIN.
WRKG	Working	Temporary key used to download keys.

3.4.3.2.8.6.2 HostChallenge <HstChllng>

Presence: [0..1]

Definition: Random value from the host provided during a previous exchange.

Datatype: "Max140Binary" on page 1432

3.4.3.2.8.6.3 Certificate <Cert>

Presence: [0..*]

Definition: Ordered certificate chain of the asymmetric key encryption key, starting with the host certificate.

Datatype: "Max5000Binary" on page 1433

3.4.3.2.8.6.4 KeyProperties <KeyProps>

Presence: [0..*]

Definition: Cryptographic key involved in the security command.

KeyProperties <KeyProps> contains the following **KEKIdentifier4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		61
	KeyIdentification <KeyId>	[0..1]	Text		61
	KeyVersion <KeyVrsn>	[0..1]	Text		61

3.4.3.2.8.6.4.1 Name <Nm>

Presence: [0..1]

Definition: Name or label of the key.

Datatype: "Max140Text" on page 1482

3.4.3.2.8.6.4.2 KeyIdentification <KeyId>

Presence: [0..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1482

3.4.3.2.8.6.4.3 KeyVersion <KeyVrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1482

3.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		61
	AuthenticatedData <AuthntcdData>	[0..1]	±		62
	SignedData <SgndData>	[0..1]	±		62

3.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

3.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

3.4.4.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData4" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1398
	DigestAlgorithm <DgstAlgo>	[1..*]			1399
	Algorithm <Algo>	[1..1]	CodeSet		1399
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1399
	Certificate <Cert>	[0..*]	Binary		1399
	Signer <Sgnr>	[1..*]			1400
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

4 caam.003.001.05 ATMKeyDownloadRequestV05

4.1 MessageDefinition Functionality

The ATMKeyDownloadRequest message is sent by an ATM to an ATM manager to initiate the download of one or several cryptographic keys.

Outline

The ATMKeyDownloadRequestV05 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMKeyDownloadRequest
Encrypted body of the message.
- C. ATMKeyDownloadRequest
Information related to the request of a key download from an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

4.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMKeyDwnldReq>	[1..1]			
	Header <Hdr>	[1..1]			67
	MessageFunction <MsgFctn>	[1..1]			68
	Function <Fctn>	[1..1]	CodeSet		68
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		70
	HostServiceCode <HstSvcCd>	[0..1]	Text		70
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		70
	ExchangeIdentification <XchgId>	[1..1]	Text		70
	CreationDateTime <CreDtTm>	[1..1]	DateTime		70
	InitiatingParty <InitgPty>	[1..1]	Text		70
	RecipientParty <RcptPty>	[0..1]	Text		71
	ProcessState <PrcStat>	[0..1]	Text		71
	Traceability <Tracblt>	[0..*]			71
	RelayIdentification <RlayId>	[1..1]	±		71
	SequenceNumber <SeqNb>	[0..1]	Text		71
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		72
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		72
	ProtectedATMKeyDownloadRequest <PrctcdATMKeyDwnldReq>	[0..1]	±		72
	ATMKeyDownloadRequest <ATMKeyDwnldReq>	[0..1]			72
	Environment <Envnt>	[1..1]			74
	Acquirer <Acqrr>	[0..1]	±		74
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		75
	HostingEntity <HstgNtty>	[0..1]	±		75
	ATM <ATM>	[1..1]	±		75
	CommandResult <CmdRslt>	[0..*]			77
	Type <Tp>	[1..1]	CodeSet		77
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		78
	ProcessedDateTime <PrccdDtTm>	[1..1]	DateTime		78
	CommandIdentification <CmdId>	[0..1]	±		78

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[1..1]	CodeSet		78
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		79
	CommandContext <CmdCntxt>	[0..1]			79
	Type <Tp>	[1..1]	CodeSet		79
	CommandIdentification <CmdId>	[0..1]	±		80
	ATMSecurityContext <ATMSctyCntxt>	[1..1]			80
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		81
	DeviceProperty <DvcPrprty>	[0..1]	±		81
	CurrentConfiguration <CurCfgtn>	[0..1]	±		82
	ATMSecurityParameters <ATMSctyParams>	[1..1]			82
	Key <Key>	[0..1]			83
	Name <Nm>	[0..1]	Text		84
	Identification <Id>	[0..1]	Text		84
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		84
	AdditionalIdentification <AddtlId>	[0..1]	Binary		85
	Version <Vrsn>	[0..1]	Text		85
	SequenceCounter <SeqCntr>	[0..1]	Quantity		85
	Type <Tp>	[0..1]	CodeSet		85
	Function <Fctn>	[0..*]	CodeSet		86
	ActivationDate <ActvtnDt>	[0..1]	DateTime		87
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		87
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		87
	PublicKeyValue <PblcKeyVal>	[0..1]			87
	Modulus <Mdlus>	[1..1]	Binary		87
	Exponent <Expnt>	[1..1]	Binary		87
	KeyChoiceValue <KeyChcVal>	[0..1]			88
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		88
Or}	TRRRelatedData <TRRltdData>	[1..1]			88
	TR34Command <TR34Cmd>	[0..1]	CodeSet		88
	TRBlock <TRBlck>	[0..1]	Binary		89
	SignatureChoice <SgntrChc>	[0..1]			89

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		89
Or}	TRRelatedData <TRRltdData>	[1..1]			89
	TR34Command <TR34Cmd>	[0..1]	CodeSet		90
	TRBlock <TRBlck>	[0..1]	Binary		90
	Certificate <Cert>	[0..*]	Binary		90
	ATMChallenge <ATMChllng>	[0..1]	Binary		90
	RequestedKey <ReqdKey>	[0..1]	Text		90
	HostChallenge <HstChllng>	[0..1]	Binary		90
	SecurityTrailer <SctyTrlr>	[0..1]			90
	ContentType <CnttTp>	[1..1]	CodeSet		91
	AuthenticatedData <AuthntcdData>	[0..1]	±		91
	SignedData <SgndData>	[0..1]	±		91

4.3 Constraints

C1 Country

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

4.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

4.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			68
	Function <Fctn>	[1..1]	CodeSet		68
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		70
	HostServiceCode <HstSvcCd>	[0..1]	Text		70
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		70
	ExchangeIdentification <XchgId>	[1..1]	Text		70
	CreationDateTime <CreDtTm>	[1..1]	DateTime		70
	InitiatingParty <InitgPty>	[1..1]	Text		70
	RecipientParty <RcptPty>	[0..1]	Text		71
	ProcessState <PrcStat>	[0..1]	Text		71
	Traceability <Tracblt>	[0..*]			71
	RelayIdentification <RlayId>	[1..1]	±		71
	SequenceNumber <SeqNb>	[0..1]	Text		71
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		72
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		72

4.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		68
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		70
	HostServiceCode <HstSvcCd>	[0..1]	Text		70

4.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAP	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

4.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

4.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

4.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

4.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

4.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

4.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

4.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

4.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

4.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		71
	SequenceNumber <SeqNb>	[0..1]	Text		71
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		72
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		72

4.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

4.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

4.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

4.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

4.4.2 ProtectedATMKeyDownloadRequest <PrtctdATMKeyDwnldReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMKeyDownloadRequest <PrtctdATMKeyDwnldReq> contains the following elements
(see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

4.4.3 ATMKeyDownloadRequest <ATMKeyDwnldReq>

Presence: [0..1]

Definition: Information related to the request of a key download from an ATM.

ATMKeyDownloadRequest <ATMKeyDwnldReq> contains the following
ATMKeyDownloadRequest6 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			74
	Acquirer <Acqrr>	[0..1]	±		74
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		75
	HostingEntity <HstgNtty>	[0..1]	±		75
	ATM <ATM>	[1..1]	±		75
	CommandResult <CmdRslt>	[0..*]			77
	Type <Tp>	[1..1]	CodeSet		77
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		78
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		78
	CommandIdentification <Cmdld>	[0..1]	±		78
	Result <Rslt>	[1..1]	CodeSet		78
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		79
	CommandContext <CmdCntxt>	[0..1]			79
	Type <Tp>	[1..1]	CodeSet		79
	CommandIdentification <Cmdld>	[0..1]	±		80
	ATMSecurityContext <ATMSctyCntxt>	[1..1]			80
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		81
	DeviceProperty <DvcPrprty>	[0..1]	±		81
	CurrentConfiguration <CurCfgtn>	[0..1]	±		82
	ATMSecurityParameters <ATMSctyParams>	[1..1]			82
	Key <Key>	[0..1]			83
	Name <Nm>	[0..1]	Text		84
	Identification <Id>	[0..1]	Text		84
	SecurityDomainIdentification <SctyDomnld>	[0..1]	Text		84
	AdditionalIdentification <Addtlld>	[0..1]	Binary		85
	Version <Vrsn>	[0..1]	Text		85
	SequenceCounter <SeqCntr>	[0..1]	Quantity		85
	Type <Tp>	[0..1]	CodeSet		85
	Function <Fctn>	[0..*]	CodeSet		86
	ActivationDate <ActvtnDt>	[0..1]	DateTime		87

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		87
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		87
	PublicKeyValue <PblcKeyVal>	[0..1]			87
	Modulus <Mdlus>	[1..1]	Binary		87
	Exponent <Expnt>	[1..1]	Binary		87
	KeyChoiceValue <KeyChcVal>	[0..1]			88
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		88
Or}	TRRelatedData <TRRltdData>	[1..1]			88
	TR34Command <TR34Cmd>	[0..1]	CodeSet		88
	TRBlock <TRBlck>	[0..1]	Binary		89
	SignatureChoice <SgntrChc>	[0..1]			89
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		89
Or}	TRRelatedData <TRRltdData>	[1..1]			89
	TR34Command <TR34Cmd>	[0..1]	CodeSet		90
	TRBlock <TRBlck>	[0..1]	Binary		90
	Certificate <Cert>	[0..*]	Binary		90
	ATMChallenge <ATMChllng>	[0..1]	Binary		90
	RequestedKey <ReqdKey>	[0..1]	Text		90
	HostChallenge <HstChllng>	[0..1]	Binary		90

4.4.3.1 Environment <Envvt>

Presence: [1..1]

Definition: Environment of the key download.

Environment <Envvt> contains the following **ATMEnvironment15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		74
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		75
	HostingEntity <HstgNtty>	[0..1]	±		75
	ATM <ATM>	[1..1]	±		75

4.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

4.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

4.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see ["TerminalHosting1"](#) on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

4.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine6" on page 1343 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1345
	AdditionalIdentification <AddtlId>	[0..1]	Text		1345
	SequenceNumber <SeqNb>	[0..1]	Text		1345
	Location <Lctn>	[0..1]			1345
	AddressLine <AdrLine>	[0..2]	Text		1346
	StreetName <StrtNm>	[0..1]	Text		1346
	BuildingNumber <BldgNb>	[0..1]	Text		1346
	PostCode <PstCd>	[0..1]	Text		1346
	TownName <TwnNm>	[1..1]	Text		1346
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1346
	Country <Ctry>	[1..1]	CodeSet	C1	1346
	GeoLocation <GLctn>	[0..1]			1347
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1347
	Latitude <Lat>	[1..1]	Text		1347
	Longitude <Long>	[1..1]	Text		1347
Or}	UTMCoordinates <UTMCordints>	[1..1]			1348
	UTMZone <UTMZone>	[1..1]	Text		1348
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1348
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1348
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1348
	Equipment <Eqpmnt>	[0..1]			1349
	Manufacturer <Manfctr>	[0..1]	Text		1349
	Model <Mdl>	[0..1]	Text		1349
	SerialNumber <SrlNb>	[0..1]	Text		1349
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1349
	ApplicationName <ApplNm>	[0..1]	Text		1349
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1350
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1350
	ConfigurationParameter <CfgrtnParam>	[0..*]			1350
	Type <Tp>	[1..1]	CodeSet		1350
	Version <Vrsn>	[1..1]	Text		1351

4.4.3.2 CommandResult <CmdRslt>

Presence: [0..*]

Definition: Result of a maintenance command performed by the ATM.

CommandResult <CmdRslt> contains the following **ATMCommand15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		77
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		78
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		78
	CommandIdentification <CmdId>	[0..1]	±		78
	Result <Rslt>	[1..1]	CodeSet		78
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		79

4.4.3.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand7Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34

CodeName	Name	Definition
		scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

4.4.3.2.2 RequiredDateTime <ReqrdDtTm>

Presence: [0..1]

Definition: Date time on which the command has been requested to be performed.

Datatype: "ISODatetime" on page 1478

4.4.3.2.3 ProcessedDateTime <PrccdDtTm>

Presence: [1..1]

Definition: Date time on which the command has been performed.

Datatype: "ISODatetime" on page 1478

4.4.3.2.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

4.4.3.2.5 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed command at the ATM.

Datatype: "TerminalManagementActionResult2Code" on page 1476

CodeName	Name	Definition
CNTE	ConnectionError	Problem to connect while performing the action.
FMTE	FormatError	Data transferred has a wrong format.
HRDW	Hardware	Hardware error.

CodeName	Name	Definition
NSUP	NotSupported	Action is not supported.
SECR	Security	Security error.
SUCC	Success	Action was successfully performed.
SYNE	SyntaxError	Data transferred has a wrong syntax.
TIMO	Timeout	Timeout expired during the data transfer.
UKRF	UnknownKeyReference	Cryptographic key reference used for the data signature is not valid.

4.4.3.2.6 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information on the failure to be logged for further examination.

Datatype: "Max140Text" on page 1482

4.4.3.3 CommandContext <CmdCntxt>

Presence: [0..1]

Definition: Security command in progress inside which the key download is requested.

CommandContext <CmdCntxt> contains the following **ATMCommand16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		79
	CommandIdentification <CmdId>	[0..1]	±		80

4.4.3.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand7Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.

CodeName	Name	Definition
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34 scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

4.4.3.3.2 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "[ATMCommandIdentification1](#)" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

4.4.3.4 ATMSecurityContext <ATMSctyCntxt>

Presence: [1..1]

Definition: Context of the ATM for the key download.

ATMSecurityContext <ATMSctyCntxt> contains the following **ATMSecurityContext3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		81
	DeviceProperty <DvcPrprty>	[0..1]	±		81
	CurrentConfiguration <CurCfgrn>	[0..1]	±		82

4.4.3.4.1 CurrentSecurityScheme <CurSctySchme>

Presence: [1..1]

Definition: Key exchange security scheme in activation on the ATM for the host manager.

Datatype: "ATMSecurityScheme3Code" on page 1447

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxemburg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
NONE	Unitalised	No key exchange performed, no security scheme defined.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

4.4.3.4.2 DeviceProperty <DvcPrprty>

Presence: [0..1]

Definition: Hardware security module information, so called EPP for Encrypted PIN Pad.

DeviceProperty <DvcPrprty> contains the following elements (see "ATMEquipment3" on page 1340 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1340
	Model <Mdl>	[0..1]	Text		1341
	Version <Vrsn>	[0..1]	Text		1341
	SerialNumber <SrlNb>	[0..1]	Text		1341
	SignedSerialNumber <SgndSrlNb>	[0..1]	±		1341
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		1341
	FirmwareIdentification <Frmwrld>	[0..1]	Text		1341
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		1341

4.4.3.4.3 CurrentConfiguration <CurCfgtn>

Presence: [0..1]

Definition: Configuration parameters in use by the security device.

CurrentConfiguration <CurCfgtn> contains the following elements (see "ATMSecurityConfiguration1" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1324
	Encryption <Ncrptn>	[0..1]	±		1324
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1325
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1326
	DigitalSignature <DgtlSgntr>	[0..1]	±		1326
	PIN <PIN>	[0..1]	±		1327
	MessageProtection <MsgPrctn>	[0..*]	CodeSet		1327

4.4.3.5 ATMSecurityParameters <ATMSctyParams>

Presence: [1..1]

Definition: Security parameters of the ATM for the initiated key download.

ATMSecurityParameters <ATMSctyParams> contains the following **SecurityParameters18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Key <Key>	[0..1]			83
	Name <Nm>	[0..1]	Text		84
	Identification <Id>	[0..1]	Text		84
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		84
	AdditionalIdentification <AddtlId>	[0..1]	Binary		85
	Version <Vrsn>	[0..1]	Text		85
	SequenceCounter <SeqCntr>	[0..1]	Quantity		85
	Type <Tp>	[0..1]	CodeSet		85
	Function <Fctn>	[0..*]	CodeSet		86
	ActivationDate <ActvtnDt>	[0..1]	DateTime		87
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		87
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		87
	PublicKeyValue <PblcKeyVal>	[0..1]			87
	Modulus <Mdlus>	[1..1]	Binary		87
	Exponent <Expnt>	[1..1]	Binary		87
	KeyChoiceValue <KeyChcVal>	[0..1]			88
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		88
Or}	TRRelatedData <TRRltdData>	[1..1]			88
	TR34Command <TR34Cmd>	[0..1]	CodeSet		88
	TRBlock <TRBlck>	[0..1]	Binary		89
	SignatureChoice <SgntrChc>	[0..1]			89
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		89
Or}	TRRelatedData <TRRltdData>	[1..1]			89
	TR34Command <TR34Cmd>	[0..1]	CodeSet		90
	TRBlock <TRBlck>	[0..1]	Binary		90
	Certificate <Cert>	[0..*]	Binary		90
	ATMChallenge <ATMChllng>	[0..1]	Binary		90
	RequestedKey <ReqdKey>	[0..1]	Text		90

4.4.3.5.1 Key <Key>

Presence: [0..1]

Definition: Cryptographic key used to protect the key download.

Key <Key> contains the following **CryptographicKey21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		84
	Identification <Id>	[0..1]	Text		84
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		84
	AdditionalIdentification <AddtlId>	[0..1]	Binary		85
	Version <Vrsn>	[0..1]	Text		85
	SequenceCounter <SeqCntr>	[0..1]	Quantity		85
	Type <Tp>	[0..1]	CodeSet		85
	Function <Fctn>	[0..*]	CodeSet		86
	ActivationDate <ActvtnDt>	[0..1]	DateTime		87
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		87
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		87
	PublicKeyValue <PblcKeyVal>	[0..1]			87
	Modulus <Mdlus>	[1..1]	Binary		87
	Exponent <Expnt>	[1..1]	Binary		87
	KeyChoiceValue <KeyChcVal>	[0..1]			88
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		88
Or}	TRRelatedData <TRRltdData>	[1..1]			88
	TR34Command <TR34Cmd>	[0..1]	CodeSet		88
	TRBlock <TRBlck>	[0..1]	Binary		89

4.4.3.5.1.1 Name <Nm>

Presence: [0..1]

Definition: Name or label of the key.

Datatype: "Max140Text" on page 1482

4.4.3.5.1.2 Identification <Id>

Presence: [0..1]

Definition: Name of the cryptographic key.

Datatype: "Max140Text" on page 1482

4.4.3.5.1.3 SecurityDomainIdentification <SctyDomnId>

Presence: [0..1]

Definition: Identification of the security domain.

Datatype: "Max35Text" on page 1483

4.4.3.5.1.4 AdditionalIdentification <AddtIld>

Presence: [0..1]

Definition: Additional identification of the key, for instance to derive the key.

Datatype: "Max35Binary" on page 1433

4.4.3.5.1.5 Version <Vrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max256Text" on page 1483

4.4.3.5.1.6 SequenceCounter <SeqCntr>

Presence: [0..1]

Definition: Sequence counter of the cryptographic key.

Datatype: "Number" on page 1480

4.4.3.5.1.7 Type <Tp>

Presence: [0..1]

Definition: Type of algorithm used by the cryptographic key.

Datatype: "CryptographicKeyType5Code" on page 1459

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).
UKA2	UKPTAES192	UKPT (Unique Key Per Transaction) or Master Session Key key encryption, using Advanced Encryption Standard

CodeName	Name	Definition
		with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
UKA6	UKPTAES256	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 256 bits length key. FIPS 197 - 6 November 2001).
RSAC	RSA	Rivest, Shamir and Adleman.
ECCC	ECC	Elliptic-curve cryptography.
DKAE	DUKPTAES	DUKPT AES (Derived Unique Key Per Transaction) algorithm.
UKA8	UKPTAES128	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 128 bits length key. FIPS 197 - 6 November 2001).

4.4.3.5.1.8 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1465

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).

CodeName	Name	Definition
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.

4.4.3.5.1.9 ActivationDate <Actvtndt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODatetime" on page 1478

4.4.3.5.1.10 DeactivationDate <Deactvtndt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODatetime" on page 1478

4.4.3.5.1.11 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key.

Datatype: "Max35Binary" on page 1433

4.4.3.5.1.12 PublicKeyValue <PbkcKeyVal>

Presence: [0..1]

Definition: Value of the public component of a RSA key.

PublicKeyValue <PbkcKeyVal> contains the following **PublicRSAKey1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Modulus <Mdlus>	[1..1]	Binary		87
	Exponent <Expnt>	[1..1]	Binary		87

4.4.3.5.1.12.1 Modulus <Mdlus>

Presence: [1..1]

Definition: Modulus of the RSA key.

Datatype: "Max5000Binary" on page 1433

4.4.3.5.1.12.2 Exponent <Expnt>

Presence: [1..1]

Definition: Public exponent of the RSA key.

Datatype: "Max5000Binary" on page 1433

4.4.3.5.1.13 KeyChoiceValue <KeyChcVal>

Presence: [0..1]

Definition: Element containing the key information.

KeyChoiceValue <KeyChcVal> contains one of the following **KeyValue3Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		88
Or}	TRRelatedData <TRRltdData>	[1..1]			88
	TR34Command <TR34Cmd>	[0..1]	CodeSet		88
	TRBlock <TRBlck>	[0..1]	Binary		89

4.4.3.5.1.13.1 EncryptedKeyValue <NcrptdKeyVal>

Presence: [1..1]

Definition: Encrypted value of the cryptographic key.

EncryptedKeyValue <NcrptdKeyVal> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

4.4.3.5.1.13.2 TRRelatedData <TRRltdData>

Presence: [1..1]

Definition: Data block for a TR31 or TR34 block, where the block does not contain a key (for example the TR34 unbind which contains the signed authorization data).

TRRelatedData <TRRltdData> contains the following **TRRelatedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TR34Command <TR34Cmd>	[0..1]	CodeSet		88
	TRBlock <TRBlck>	[0..1]	Binary		89

4.4.3.5.1.13.2.1 TR34Command <TR34Cmd>

Presence: [0..1]

Definition: Specific TR34 command where the TRBlock is a TR34 block.

Datatype: "TR34Command1Code" on page 1477

CodeName	Name	Definition
BIND	Bind	TR34 bind operation.
HILR	HigherLevelRebind	TR34 Higher Level rebind operation.
HILU	HigherLevelUnbind	TR34 Higher Level unbind operation.

CodeName	Name	Definition
RBND	Rebind	TR34 rebind operation.
UBND	Unbind	TR34 unbind operation.

4.4.3.5.1.13.2.2 TRBlock <TRBlck>

Presence: [0..1]

Definition: TR31 or TR34 data block.

Datatype: "Max100KBinary" on page 1432

4.4.3.5.2 SignatureChoice <SgntrChc>

Presence: [0..1]

Definition: Element containing the signature.

SignatureChoice <SgntrChc> contains one of the following **ATMSignature3Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		89
Or}	TRRelatedData <TRRltdData>	[1..1]			89
	TR34Command <TR34Cmd>	[0..1]	CodeSet		90
	TRBlock <TRBlck>	[0..1]	Binary		90

4.4.3.5.2.1 DigitalSignature <DgtlSgntr>

Presence: [1..1]

Definition: Digital signature of implicit data depending on the security scheme download procedure.

DigitalSignature <DgtlSgntr> contains the following elements (see "ContentInformationType14" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1395
	SignedData <SgndData>	[1..1]	±		1396

4.4.3.5.2.2 TRRelatedData <TRRltdData>

Presence: [1..1]

Definition: The data block for a TR31 or TR34 block, where the block does not contain a key (for example the TR34 unbind which contains the signed authorization data).

TRRelatedData <TRRltdData> contains the following **TRRelatedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TR34Command <TR34Cmd>	[0..1]	CodeSet		90
	TRBlock <TRBlck>	[0..1]	Binary		90

4.4.3.5.2.2.1 TR34Command <TR34Cmd>

Presence: [0..1]

Definition: Specific TR34 command where the TRBlock is a TR34 block.

Datatype: "TR34Command1Code" on page 1477

CodeName	Name	Definition
BIND	Bind	TR34 bind operation.
HILR	HigherLevelRebind	TR34 Higher Level rebind operation.
HILU	HigherLevelUnbind	TR34 Higher Level unbind operation.
RBND	Rebind	TR34 rebind operation.
UBND	Unbind	TR34 unbind operation.

4.4.3.5.2.2.2 TRBlock <TRBlck>

Presence: [0..1]

Definition: TR31 or TR34 data block.

Datatype: "Max100KBinary" on page 1432

4.4.3.5.3 Certificate <Cert>

Presence: [0..*]

Definition: Ordered certificate chain of the asymmetric key encryption key, starting with the ATM certificate.

Datatype: "Max5000Binary" on page 1433

4.4.3.5.4 ATMChallenge <ATMChllng>

Presence: [0..1]

Definition: Random value from the ATM to avoid message replay.

Datatype: "Max140Binary" on page 1432

4.4.3.5.5 RequestedKey <ReqdKey>

Presence: [0..1]

Definition: Requested key for downloading, depending on the key hierarchy used by the host.

Datatype: "Max35Text" on page 1483

4.4.3.6 HostChallenge <HstChllng>

Presence: [0..1]

Definition: Random value from the host provided during a previous exchange.

Datatype: "Max140Binary" on page 1432

4.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		91
	AuthenticatedData <AuthntcdData>	[0..1]	±		91
	SignedData <SgndData>	[0..1]	±		91

4.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

4.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

4.4.4.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData4" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1398
	DigestAlgorithm <DgstAlgo>	[1..*]			1399
	Algorithm <Algo>	[1..1]	CodeSet		1399
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1399
	Certificate <Cert>	[0..*]	Binary		1399
	Signer <Sgnr>	[1..*]			1400
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

5 caam.004.001.05 ATMKeyDownloadResponseV05

5.1 MessageDefinition Functionality

The ATMKeyDownloadResponse message is sent from an acquirer to an ATM in response to an ATMKeyDownloadRequest message, to download of one or several cryptographic keys.

Outline

The ATMKeyDownloadResponseV05 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMKeyDownloadResponse
Encrypted body of the message.
- C. ATMKeyDownloadResponse
Information related to the response of an ATM key download from an ATM manager.
- D. 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> <ATMKeyDwnldRspn>	[1..1]			
	Header <Hdr>	[1..1]			96
	MessageFunction <MsgFctn>	[1..1]			97
	Function <Fctn>	[1..1]	CodeSet		97
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		99
	HostServiceCode <HstSvcCd>	[0..1]	Text		99
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		99
	ExchangeIdentification <XchgId>	[1..1]	Text		99
	CreationDateTime <CreDtTm>	[1..1]	DateTime		99
	InitiatingParty <InitgPty>	[1..1]	Text		99
	RecipientParty <RcptPty>	[0..1]	Text		100
	ProcessState <PrcStat>	[0..1]	Text		100
	Traceability <Tracblt>	[0..*]			100
	RelayIdentification <RlayId>	[1..1]	±		100
	SequenceNumber <SeqNb>	[0..1]	Text		100
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		101
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		101
	ProtectedATMKeyDownloadResponse <PrctcdATMKeyDwnldRspn>	[0..1]	±		101
	ATMKeyDownloadResponse <ATMKeyDwnldRspn>	[0..1]			101
	Environment <Envnt>	[1..1]			103
	Acquirer <Acqrr>	[0..1]	±		103
	ATMManager <ATMMgr>	[0..1]	±		104
	HostingEntity <HstgNtty>	[0..1]	±		104
	ATM <ATM>	[1..1]	±		104
	ATMSecurityContext <ATMSctyCntxt>	[1..1]			105
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		105
	DeviceProperty <DvcPrprty>	[0..1]	±		106
	CurrentConfiguration <CurCfgrtn>	[0..1]	±		106
	ATMChallenge <ATMChllng>	[0..1]	Binary		107

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	HostSecurityParameters <HstSctyParams>	[1..1]			107
	HostChallenge <HstChllng>	[0..1]	Binary		108
	Key <Key>	[0..*]			109
	Name <Nm>	[0..1]	Text		109
	Identification <Id>	[0..1]	Text		109
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		110
	AdditionalIdentification <AddtlId>	[0..1]	Binary		110
	Version <Vrsn>	[0..1]	Text		110
	SequenceCounter <SeqCntr>	[0..1]	Quantity		110
	Type <Tp>	[0..1]	CodeSet		110
	Function <Fctn>	[0..*]	CodeSet		111
	ActivationDate <ActvtnDt>	[0..1]	DateTime		112
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		112
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		112
	PublicKeyValue <PblcKeyVal>	[0..1]			112
	Modulus <Mdlus>	[1..1]	Binary		112
	Exponent <Expnt>	[1..1]	Binary		113
	KeyChoiceValue <KeyChcVal>	[0..1]			113
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		113
Or}	TRRelatedData <TRRltdData>	[1..1]			113
	TR34Command <TR34Cmd>	[0..1]	CodeSet		113
	TRBlock <TRBlck>	[0..1]	Binary		114
	SignatureChoice <SgntrChc>	[0..1]			114
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		114
Or}	TRRelatedData <TRRltdData>	[1..1]			114
	TR34Command <TR34Cmd>	[0..1]	CodeSet		115
	TRBlock <TRBlck>	[0..1]	Binary		115
	Command <Cmd>	[0..*]			115
	Type <Tp>	[1..1]	CodeSet		115
	Urgency <Urgcy>	[1..1]	CodeSet		116
	DateTime <DtTm>	[0..1]	DateTime		117

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CommandIdentification <CmdId>	[0..1]	±		117
	CommandParameters <CmdParams>	[0..1]	±		117
	SecurityTrailer <SctyTrlr>	[0..1]			117
	ContentType <CnttTp>	[1..1]	CodeSet		118
	AuthenticatedData <AuthntcdData>	[0..1]	±		118
	SignedData <SgndData>	[0..1]	±		118

5.3 Constraints

C1 Country

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

5.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

5.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			97
	Function <Fctn>	[1..1]	CodeSet		97
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		99
	HostServiceCode <HstSvcCd>	[0..1]	Text		99
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		99
	ExchangeIdentification <XchgId>	[1..1]	Text		99
	CreationDateTime <CreDtTm>	[1..1]	DateTime		99
	InitiatingParty <InitgPty>	[1..1]	Text		99
	RecipientParty <RcptPty>	[0..1]	Text		100
	ProcessState <PrcStat>	[0..1]	Text		100
	Traceability <Tracblt>	[0..*]			100
	RelayIdentification <RlayId>	[1..1]	±		100
	SequenceNumber <SeqNb>	[0..1]	Text		100
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		101
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		101

5.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		97
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		99
	HostServiceCode <HstSvcCd>	[0..1]	Text		99

5.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

5.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

5.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

5.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

5.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

5.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

5.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

5.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

5.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

5.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		100
	SequenceNumber <SeqNb>	[0..1]	Text		100
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		101
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		101

5.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

5.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

5.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

5.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

5.4.2 ProtectedATMKeyDownloadResponse <PrtctdATMKeyDwnldRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMKeyDownloadResponse <PrtctdATMKeyDwnldRspn> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

5.4.3 ATMKeyDownloadResponse <ATMKeyDwnldRspn>

Presence: [0..1]

Definition: Information related to the response of an ATM key download from an ATM manager.

ATMKeyDownloadResponse <ATMKeyDwnldRspn> contains the following
ATMKeyDownloadResponse6 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			103
	Acquirer <Acqrr>	[0..1]	±		103
	ATMManager <ATMMgr>	[0..1]	±		104
	HostingEntity <HstgNtty>	[0..1]	±		104
	ATM <ATM>	[1..1]	±		104
	ATMSecurityContext <ATMSctyCntxt>	[1..1]			105
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		105
	DeviceProperty <DvcPrpty>	[0..1]	±		106
	CurrentConfiguration <CurCfgtn>	[0..1]	±		106
	ATMChallenge <ATMChllng>	[0..1]	Binary		107
	HostSecurityParameters <HstSctyParams>	[1..1]			107
	HostChallenge <HstChllng>	[0..1]	Binary		108
	Key <Key>	[0..*]			109
	Name <Nm>	[0..1]	Text		109
	Identification <Id>	[0..1]	Text		109
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		110
	AdditionalIdentification <AddtlId>	[0..1]	Binary		110
	Version <Vrsn>	[0..1]	Text		110
	SequenceCounter <SeqCntr>	[0..1]	Quantity		110
	Type <Tp>	[0..1]	CodeSet		110
	Function <Fctn>	[0..*]	CodeSet		111
	ActivationDate <ActvtnDt>	[0..1]	DateTime		112
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		112
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		112
	PublicKeyValue <PblcKeyVal>	[0..1]			112
	Modulus <Mdlus>	[1..1]	Binary		112
	Exponent <Expnt>	[1..1]	Binary		113
	KeyChoiceValue <KeyChcVal>	[0..1]			113
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		113
Or}	TRRRelatedData <TRRltdData>	[1..1]			113

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TR34Command <TR34Cmd>	[0..1]	CodeSet		113
	TRBlock <TRBlck>	[0..1]	Binary		114
	SignatureChoice <SgntrChc>	[0..1]			114
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		114
Or}	TRRelatedData <TRRltdData>	[1..1]			114
	TR34Command <TR34Cmd>	[0..1]	CodeSet		115
	TRBlock <TRBlck>	[0..1]	Binary		115
	Command <Cmd>	[0..*]			115
	Type <Tp>	[1..1]	CodeSet		115
	Urgency <Urgcy>	[1..1]	CodeSet		116
	DateTime <DtTm>	[0..1]	DateTime		117
	CommandIdentification <CmdId>	[0..1]	±		117
	CommandParameters <CmdParams>	[0..1]	±		117

5.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the key download.

Environment <Envt> contains the following **ATMEnvironment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		103
	ATMManager <ATMMgr>	[0..1]	±		104
	HostingEntity <HstgNtty>	[0..1]	±		104
	ATM <ATM>	[1..1]	±		104

5.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

5.4.3.1.2 ATMMgr <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMMgr <ATMMgr> contains the following elements (see "[Acquirer8](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <AppVrsn>	[0..1]	Text		1319

5.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

5.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

5.4.3.2 ATMSecurityContext <ATMSctyCntxt>

Presence: [1..1]

Definition: Context of the ATM for the key download.

ATMSecurityContext <ATMSctyCntxt> contains the following **ATMSecurityContext3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrentSecurityScheme <CurSctySchme>	[1..1]	CodeSet		105
	DeviceProperty <DvcPrprty>	[0..1]	±		106
	CurrentConfiguration <CurCfgr>	[0..1]	±		106

5.4.3.2.1 CurrentSecurityScheme <CurSctySchme>

Presence: [1..1]

Definition: Key exchange security scheme in activation on the ATM for the host manager.

Datatype: "ATMSecurityScheme3Code" on page 1447

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxemburg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
NONE	Unitialised	No key exchange performed, no security scheme defined.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

5.4.3.2.2 DeviceProperty <DvcPrpty>

Presence: [0..1]

Definition: Hardware security module information, so called EPP for Encrypted PIN Pad.

DeviceProperty <DvcPrpty> contains the following elements (see "ATMEquipment3" on page 1340 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1340
	Model <Mdl>	[0..1]	Text		1341
	Version <Vrsn>	[0..1]	Text		1341
	SerialNumber <SrlNb>	[0..1]	Text		1341
	SignedSerialNumber <SgndSrlNb>	[0..1]	±		1341
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		1341
	FirmwareIdentification <Frmwrld>	[0..1]	Text		1341
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		1341

5.4.3.2.3 CurrentConfiguration <CurCfgtn>

Presence: [0..1]

Definition: Configuration parameters in use by the security device.

CurrentConfiguration <CurCfgr> contains the following elements (see "[ATMSecurityConfiguration1](#)" on page 1324 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1324
	Encryption <Ncrptn>	[0..1]	±		1324
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1325
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1326
	DigitalSignature <DgtlSgntr>	[0..1]	±		1326
	PIN <PIN>	[0..1]	±		1327
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1327

5.4.3.3 ATMChallenge <ATMChllng>

Presence: [0..1]

Definition: Random value from the ATM provided during a previous exchange.

Datatype: "[Max140Binary](#)" on page 1432

5.4.3.4 HostSecurityParameters <HstSctyParams>

Presence: [1..1]

Definition: Security parameters of the host downloading the key.

HostSecurityParameters <HstSctyParams> contains the following **SecurityParameters19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HostChallenge <HstChllng>	[0..1]	Binary		108
	Key <Key>	[0..*]			109
	Name <Nm>	[0..1]	Text		109
	Identification <Id>	[0..1]	Text		109
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		110
	AdditionalIdentification <AddtlId>	[0..1]	Binary		110
	Version <Vrsn>	[0..1]	Text		110
	SequenceCounter <SeqCntr>	[0..1]	Quantity		110
	Type <Tp>	[0..1]	CodeSet		110
	Function <Fctn>	[0..*]	CodeSet		111
	ActivationDate <ActvtnDt>	[0..1]	DateTime		112
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		112
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		112
	PublicKeyValue <PblcKeyVal>	[0..1]			112
	Modulus <Mdlus>	[1..1]	Binary		112
	Exponent <Expnt>	[1..1]	Binary		113
	KeyChoiceValue <KeyChcVal>	[0..1]			113
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		113
Or}	TRRelatedData <TRRltdData>	[1..1]			113
	TR34Command <TR34Cmd>	[0..1]	CodeSet		113
	TRBlock <TRBlck>	[0..1]	Binary		114
	SignatureChoice <SgntrChc>	[0..1]			114
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		114
Or}	TRRelatedData <TRRltdData>	[1..1]			114
	TR34Command <TR34Cmd>	[0..1]	CodeSet		115
	TRBlock <TRBlck>	[0..1]	Binary		115

5.4.3.4.1 HostChallenge <HstChllng>

Presence: [0..1]

Definition: Random value from the host.

Datatype: "Max140Binary" on page 1432

5.4.3.4.2 Key <Key>

Presence: [0..*]

Definition: Cryptographic key used to store in the ATM.

Key <Key> contains the following **CryptographicKey21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		109
	Identification <Id>	[0..1]	Text		109
	SecurityDomainIdentification <SctyDomnId>	[0..1]	Text		110
	AdditionalIdentification <AddtlId>	[0..1]	Binary		110
	Version <Vrsn>	[0..1]	Text		110
	SequenceCounter <SeqCntr>	[0..1]	Quantity		110
	Type <Tp>	[0..1]	CodeSet		110
	Function <Fctn>	[0..*]	CodeSet		111
	ActivationDate <ActvtnDt>	[0..1]	DateTime		112
	DeactivationDate <DeactvtnDt>	[0..1]	DateTime		112
	KeyCheckValue <KeyChckVal>	[0..1]	Binary		112
	PublicKeyValue <PblicKeyVal>	[0..1]			112
	Modulus <Mdlus>	[1..1]	Binary		112
	Exponent <Expnt>	[1..1]	Binary		113
	KeyChoiceValue <KeyChcVal>	[0..1]			113
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		113
Or}	TRRelatedData <TRRltdData>	[1..1]			113
	TR34Command <TR34Cmd>	[0..1]	CodeSet		113
	TRBlock <TRBlck>	[0..1]	Binary		114

5.4.3.4.2.1 Name <Nm>

Presence: [0..1]

Definition: Name or label of the key.

Datatype: "Max140Text" on page 1482

5.4.3.4.2.2 Identification <Id>

Presence: [0..1]

Definition: Name of the cryptographic key.

Datatype: "Max140Text" on page 1482

5.4.3.4.2.3 SecurityDomainIdentification <SctyDomnId>

Presence: [0..1]

Definition: Identification of the security domain.

Datatype: "Max35Text" on page 1483

5.4.3.4.2.4 AdditionalIdentification <AddtId>

Presence: [0..1]

Definition: Additional identification of the key, for instance to derive the key.

Datatype: "Max35Binary" on page 1433

5.4.3.4.2.5 Version <Vrsn>

Presence: [0..1]

Definition: Version of the cryptographic key.

Datatype: "Max256Text" on page 1483

5.4.3.4.2.6 SequenceCounter <SeqCntr>

Presence: [0..1]

Definition: Sequence counter of the cryptographic key.

Datatype: "Number" on page 1480

5.4.3.4.2.7 Type <Tp>

Presence: [0..1]

Definition: Type of algorithm used by the cryptographic key.

Datatype: "CryptographicKeyType5Code" on page 1459

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

CodeName	Name	Definition
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).
UKA2	UKPTAES192	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).
UKA6	UKPTAES256	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 256 bits length key. FIPS 197 - 6 November 2001).
RSAC	RSA	Rivest, Shamir and Adleman.
ECCC	ECC	Elliptic-curve cryptography.
DKAE	DUKPTAES	DUKPT AES (Derived Unique Key Per Transaction) algorithm.
UKA8	UKPTAES128	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 128 bits length key. FIPS 197 - 6 November 2001).

5.4.3.4.2.8 Function <Fctn>

Presence: [0..*]

Definition: Allowed usage of the key.

Datatype: "KeyUsage1Code" on page 1465

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.

CodeName	Name	Definition
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.

5.4.3.4.2.9 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be activated.

Datatype: "ISODatetime" on page 1478

5.4.3.4.2.10 DeactivationDate <DeactvtnDt>

Presence: [0..1]

Definition: Date and time on which the key must be deactivated.

Datatype: "ISODatetime" on page 1478

5.4.3.4.2.11 KeyCheckValue <KeyChckVal>

Presence: [0..1]

Definition: Value for checking a cryptographic key.

Datatype: "Max35Binary" on page 1433

5.4.3.4.2.12 PublicKeyValue <PblcKeyVal>

Presence: [0..1]

Definition: Value of the public component of a RSA key.

PublicKeyValue <PblcKeyVal> contains the following **PublicRSAKey1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Modulus <Mdlus>	[1..1]	Binary		112
	Exponent <Expnt>	[1..1]	Binary		113

5.4.3.4.2.12.1 Modulus <Mdlus>

Presence: [1..1]

Definition: Modulus of the RSA key.

Datatype: "Max5000Binary" on page 1433

5.4.3.4.2.12.2 Exponent <Expnt>

Presence: [1..1]

Definition: Public exponent of the RSA key.

Datatype: "Max5000Binary" on page 1433

5.4.3.4.2.13 KeyChoiceValue <KeyChcVal>

Presence: [0..1]

Definition: Element containing the key information.

KeyChoiceValue <KeyChcVal> contains one of the following **KeyValue3Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	EncryptedKeyValue <NcrptdKeyVal>	[1..1]	±		113
Or}	TRRelatedData <TRRltdData>	[1..1]			113
	TR34Command <TR34Cmd>	[0..1]	CodeSet		113
	TRBlock <TRBlck>	[0..1]	Binary		114

5.4.3.4.2.13.1 EncryptedKeyValue <NcrptdKeyVal>

Presence: [1..1]

Definition: Encrypted value of the cryptographic key.

EncryptedKeyValue <NcrptdKeyVal> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

5.4.3.4.2.13.2 TRRelatedData <TRRltdData>

Presence: [1..1]

Definition: Data block for a TR31 or TR34 block, where the block does not contain a key (for example the TR34 unbind which contains the signed authorization data).

TRRelatedData <TRRltdData> contains the following **TRRelatedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TR34Command <TR34Cmd>	[0..1]	CodeSet		113
	TRBlock <TRBlck>	[0..1]	Binary		114

5.4.3.4.2.13.2.1 TR34Command <TR34Cmd>

Presence: [0..1]

Definition: Specific TR34 command where the TRBlock is a TR34 block.

Datatype: "TR34Command1Code" on page 1477

CodeName	Name	Definition
BIND	Bind	TR34 bind operation.
HILR	HigherLevelRebind	TR34 Higher Level rebind operation.
HILU	HigherLevelUnbind	TR34 Higher Level unbind operation.
RBND	Rebind	TR34 rebind operation.
UBND	Unbind	TR34 unbind operation.

5.4.3.4.2.13.2.2 TRBlock <TRBlck>

Presence: [0..1]

Definition: TR31 or TR34 data block.

Datatype: "Max100KBinary" on page 1432

5.4.3.4.3 SignatureChoice <SgntrChc>

Presence: [0..1]

Definition: Element containing the signature.

SignatureChoice <SgntrChc> contains one of the following **ATMSignature3Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	DigitalSignature <DgtlSgntr>	[1..1]	±		114
Or}	TRRelatedData <TRRltdData>	[1..1]			114
	TR34Command <TR34Cmd>	[0..1]	CodeSet		115
	TRBlock <TRBlck>	[0..1]	Binary		115

5.4.3.4.3.1 DigitalSignature <DgtlSgntr>

Presence: [1..1]

Definition: Digital signature of implicit data depending on the security scheme download procedure.

DigitalSignature <DgtlSgntr> contains the following elements (see "ContentInformationType14" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1395
	SignedData <SgndData>	[1..1]	±		1396

5.4.3.4.3.2 TRRelatedData <TRRltdData>

Presence: [1..1]

Definition: The data block for a TR31 or TR34 block, where the block does not contain a key (for example the TR34 unbind which contains the signed authorization data).

TRRelatedData <TRRltdData> contains the following **TRRelatedData2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TR34Command <TR34Cmd>	[0..1]	CodeSet		115
	TRBlock <TRBlck>	[0..1]	Binary		115

5.4.3.4.3.2.1 TR34Command <TR34Cmd>

Presence: [0..1]

Definition: Specific TR34 command where the TRBlock is a TR34 block.

Datatype: "TR34Command1Code" on page 1477

CodeName	Name	Definition
BIND	Bind	TR34 bind operation.
HILR	HigherLevelRebind	TR34 Higher Level rebind operation.
HILU	HigherLevelUnbind	TR34 Higher Level unbind operation.
RBND	Rebind	TR34 rebind operation.
UBND	Unbind	TR34 unbind operation.

5.4.3.4.3.2.2 TRBlock <TRBlck>

Presence: [0..1]

Definition: TR31 or TR34 data block.

Datatype: "Max100KBinary" on page 1432

5.4.3.5 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		115
	Urgency <Urgcy>	[1..1]	CodeSet		116
	DateTime <DtTm>	[0..1]	DateTime		117
	CommandIdentification <CmdId>	[0..1]	±		117
	CommandParameters <CmdParams>	[0..1]	±		117

5.4.3.5.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand7Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34 scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

5.4.3.5.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

CodeName	Name	Definition
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.
ENCS	EndCustomerSession	After the end of the customer session.

5.4.3.5.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODatetime" on page 1478

5.4.3.5.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

5.4.3.5.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

5.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		118
	AuthenticatedData <AuthntcdData>	[0..1]	±		118
	SignedData <SgndData>	[0..1]	±		118

5.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

5.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [0..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

5.4.4.3 SignedData <SgndData>

Presence: [0..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData4" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1398
	DigestAlgorithm <DgstAlgo>	[1..*]			1399
	Algorithm <Algo>	[1..1]	CodeSet		1399
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1399
	Certificate <Cert>	[0..*]	Binary		1399
	Signer <Sgnr>	[1..*]			1400
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

6 caam.005.001.03 ATMDiagnosticRequestV03

6.1 MessageDefinition Functionality

The ATMDiagnosticRequest message is sent from an ATM to an acquirer to verify the availability of the acquirer. The acquirer will also validate that this ATM is a valid ATM for its particular network.

Outline

The ATMDiagnosticRequestV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMDiagnosticRequest
Encrypted body of the message.
- C. ATMDiagnosticRequest
Information related to the request of a diagnostic from an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

6.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<i>Message root <Document> <ATMDgnstcReq></i>	[1..1]			
	Header <Hdr>	[1..1]			122
	MessageFunction <MsgFctn>	[1..1]			122
	Function <Fctn>	[1..1]	CodeSet		123
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		124
	HostServiceCode <HstSvcCd>	[0..1]	Text		124
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		124
	ExchangeIdentification <XchgId>	[1..1]	Text		124
	CreationDateTime <CreDtTm>	[1..1]	DateTime		124
	InitiatingParty <InitgPty>	[1..1]	Text		125
	RecipientParty <RcptPty>	[0..1]	Text		125
	ProcessState <PrcStat>	[0..1]	Text		125
	Traceability <Tracblt>	[0..*]			125
	RelayIdentification <RlayId>	[1..1]	±		125
	SequenceNumber <SeqNb>	[0..1]	Text		126
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		126
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		126
	ProtectedATMDiagnosticRequest <PrtctdATMDgnstcReq>	[0..1]	±		126
	ATMDiagnosticRequest <ATMDgnstcReq>	[0..1]			126
	Environment <Envt>	[1..1]			127
	Acquirer <Acqrr>	[0..1]	±		127
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		127
	ATM <ATM>	[1..1]	±		128
	ATMGlobalStatus <ATMGblSts>	[1..1]			128
	CurrentStatus <CurSts>	[1..1]	CodeSet		128
	CurrentStatusReason <CurStsRsn>	[0..*]	Text		128
	DemandedStatus <DmnddSts>	[0..1]	CodeSet		128
	SecurityTrailer <SctyTrlr>	[0..1]			129
	ContentType <CnttTp>	[1..1]	CodeSet		129
	AuthenticatedData <AuthntcdData>	[1..1]	±		129

6.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

6.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			122
	Function <Fctn>	[1..1]	CodeSet		123
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		124
	HostServiceCode <HstSvcCd>	[0..1]	Text		124
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		124
	ExchangeIdentification <XchgId>	[1..1]	Text		124
	CreationDateTime <CreDtTm>	[1..1]	DateTime		124
	InitiatingParty <InitgPty>	[1..1]	Text		125
	RecipientParty <RcptPty>	[0..1]	Text		125
	ProcessState <PrcStat>	[0..1]	Text		125
	Traceability <Tracblt>	[0..*]			125
	RelayIdentification <RlayId>	[1..1]	±		125
	SequenceNumber <SeqNb>	[0..1]	Text		126
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		126
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		126

6.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		123
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		124
	HostServiceCode <HstSvcCd>	[0..1]	Text		124

6.3.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.

CodeName	Name	Definition
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

6.3.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

6.3.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

6.3.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

6.3.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

6.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

6.3.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

6.3.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

6.3.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

6.3.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		125
	SequenceNumber <SeqNb>	[0..1]	Text		126
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		126
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		126

6.3.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

6.3.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

6.3.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

6.3.1.8.4 TraceDateTimeout <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

6.3.2 ProtectedATMDiagnosticRequest <PrtctdATMDgnstcReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDiagnosticRequest <PrtctdATMDgnstcReq> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

6.3.3 ATMDiagnosticRequest <ATMDgnstcReq>

Presence: [0..1]

Definition: Information related to the request of a diagnostic from an ATM.

ATMDiagnosticRequest <ATMDgnstcReq> contains the following **ATMDiagnosticRequest3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			127
	Acquirer <Acqrr>	[0..1]	±		127
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		127
	ATM <ATM>	[1..1]	±		128
	ATMGlobalStatus <ATMGblSts>	[1..1]			128
	CurrentStatus <CurSts>	[1..1]	CodeSet		128
	CurrentStatusReason <CurStsRsn>	[0..*]	Text		128
	DemandedStatus <DmnddSts>	[0..1]	CodeSet		128

6.3.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the ATM.

Environment <Envt> contains the following **ATMEnvironment9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		127
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		127
	ATM <ATM>	[1..1]	±		128

6.3.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrglInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

6.3.3.1.2 ATMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

6.3.3.1.3 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine7" on page 1359 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1359
	AdditionalIdentification <AddtlId>	[0..1]	Text		1359
	SequenceNumber <SeqNb>	[0..1]	Text		1360

6.3.3.2 ATMGlobalStatus <ATMGblSts>

Presence: [1..1]

Definition: Global status of the ATM.

ATMGlobalStatus <ATMGblSts> contains the following **ATMStatus2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrentStatus <CurSts>	[1..1]	CodeSet		128
	CurrentStatusReason <CurStsRsn>	[0..*]	Text		128
	DemandedStatus <DmnddSts>	[0..1]	CodeSet		128

6.3.3.2.1 CurrentStatus <CurSts>

Presence: [1..1]

Definition: Actual status of the ATM.

Datatype: "ATMStatus1Code" on page 1453

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

6.3.3.2.2 CurrentStatusReason <CurStsRsn>

Presence: [0..*]

Definition: Description of the cause of the ATM's status. This would typically be populated with a value when CurrentStatus is OutOfService (OUTS).

Datatype: "Max35Text" on page 1483

6.3.3.2.3 DemandedStatus <DmnddSts>

Presence: [0..1]

Definition: Present if the status required by the ATM manager is different from the current status.

Datatype: "ATMStatus1Code" on page 1453

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

6.3.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		129
	AuthenticatedData <AuthntcdData>	[1..1]	±		129

6.3.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

6.3.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

7 **caam.006.001.02** **ATMDiagnosticResponseV02**

7.1 **MessageDefinition Functionality**

The ATMDiagnosticResponse message is sent by an acquirer to an ATM in response to an ATMDiagnosticRequest message ensuring the availability and the validity of the parameters.

Outline

The ATMDiagnosticResponseV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMDiagnosticResponse
Encrypted body of the message.
- C. ATMDiagnosticResponse
Information related to the response of a diagnostic from an ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

7.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMDgnstcRspn>	[1..1]			
	Header <Hdr>	[1..1]			133
	MessageFunction <MsgFctn>	[1..1]			134
	Function <Fctn>	[1..1]	CodeSet		134
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		136
	HostServiceCode <HstSvcCd>	[0..1]	Text		136
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		136
	ExchangeIdentification <XchgId>	[1..1]	Text		136
	CreationDateTime <CreDtTm>	[1..1]	DateTime		136
	InitiatingParty <InitgPty>	[1..1]	Text		136
	RecipientParty <RcptPty>	[0..1]	Text		137
	ProcessState <PrcStat>	[0..1]	Text		137
	Traceability <Tracblt>	[0..*]			137
	RelayIdentification <RlayId>	[1..1]	±		137
	SequenceNumber <SeqNb>	[0..1]	Text		137
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		138
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		138
	ProtectedATMDiagnosticResponse <PrctcdATMDgnstcRspn>	[0..1]	±		138
	ATMDiagnosticResponse <ATMDgnstcRspn>	[0..1]			138
	Environment <Envnt>	[1..1]			139
	Acquirer <Acqrr>	[0..1]	±		139
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		140
	HostingEntity <HstgNtty>	[0..1]	±		140
	ATM <ATM>	[1..1]	±		140
	Command <Cmd>	[0..*]			142
	Type <Tp>	[1..1]	CodeSet		142
	Urgency <Urgcy>	[1..1]	CodeSet		142
	DateTime <DtTm>	[0..1]	DateTime		143
	CommandIdentification <CmdId>	[0..1]	±		143
	CommandParameters <CmdParams>	[0..1]	±		143

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SecurityTrailer <SctyTrlr>	[0..1]			144
	ContentType <CnttTp>	[1..1]	CodeSet		144
	AuthenticatedData <AuthntcdData>	[1..1]	±		144

7.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

7.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

7.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			134
	Function <Fctn>	[1..1]	CodeSet		134
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		136
	HostServiceCode <HstSvcCd>	[0..1]	Text		136
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		136
	ExchangeIdentification <XchgId>	[1..1]	Text		136
	CreationDateTime <CreDtTm>	[1..1]	DateTime		136
	InitiatingParty <InitgPty>	[1..1]	Text		136
	RecipientParty <RcptPty>	[0..1]	Text		137
	ProcessState <PrcStat>	[0..1]	Text		137
	Traceability <Tracblt>	[0..*]			137
	RelayIdentification <RlayId>	[1..1]	±		137
	SequenceNumber <SeqNb>	[0..1]	Text		137
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		138
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		138

7.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		134
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		136
	HostServiceCode <HstSvcCd>	[0..1]	Text		136

7.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

7.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

7.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

7.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

7.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

7.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

7.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

7.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

7.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

7.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following Traceability4 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		137
	SequenceNumber <SeqNb>	[0..1]	Text		137
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		138
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		138

7.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

7.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

7.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

7.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

7.4.2 ProtectedATMDiagnosticResponse <PrtctdATMDgnstcRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDiagnosticResponse <PrtctdATMDgnstcRspn> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

7.4.3 ATMDiagnosticResponse <ATMDgnstcRspn>

Presence: [0..1]

Definition: Information related to the response of a diagnostic from an ATM manager.

ATMDiagnosticResponse <ATMDgnstcRspn> contains the following **ATMDiagnosticResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			139
	Acquirer <Acqrr>	[0..1]	±		139
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		140
	HostingEntity <HstgNtty>	[0..1]	±		140
	ATM <ATM>	[1..1]	±		140
	Command <Cmd>	[0..*]			142
	Type <Tp>	[1..1]	CodeSet		142
	Urgency <Urgcy>	[1..1]	CodeSet		142
	DateTime <DtTm>	[0..1]	DateTime		143
	CommandIdentification <Cmdld>	[0..1]	±		143
	CommandParameters <CmdParams>	[0..1]	±		143

7.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the ATM.

Environment <Envt> contains the following **ATMEnvironment6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		139
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		140
	HostingEntity <HstgNtty>	[0..1]	±		140
	ATM <ATM>	[1..1]	±		140

7.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

7.4.3.1.2 ATMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "Max35Text" on page 1483

7.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

7.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine5" on page 1360 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1362
	AdditionalIdentification <AddtlId>	[0..1]	Text		1362
	SequenceNumber <SeqNb>	[0..1]	Text		1362
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1362
	Location <Lctn>	[0..1]			1362
	AddressLine <AdrLine>	[0..2]	Text		1363
	StreetName <StrtNm>	[0..1]	Text		1363
	BuildingNumber <BldgNb>	[0..1]	Text		1363
	PostCode <PstCd>	[0..1]	Text		1363
	TownName <TwnNm>	[1..1]	Text		1364
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1364
	Country <Ctry>	[1..1]	CodeSet	C1	1364
	GeoLocation <GLctn>	[0..1]			1364
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1364
	Latitude <Lat>	[1..1]	Text		1365
	Longitude <Long>	[1..1]	Text		1365
Or}	UTMCoordinates <UTMCordints>	[1..1]			1365
	UTMZone <UTMZone>	[1..1]	Text		1365
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1365
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1366
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1366
	Equipment <Eqpmnt>	[0..1]			1366
	Manufacturer <Manfctr>	[0..1]	Text		1366
	Model <Mdl>	[0..1]	Text		1367
	SerialNumber <SrlNb>	[0..1]	Text		1367
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1367
	ApplicationName <ApplNm>	[0..1]	Text		1367
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1367
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1367
	ConfigurationParameter <CfgrtnParam>	[0..*]			1367
	Type <Tp>	[1..1]	CodeSet		1367

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1368
	OutOfServiceDevice <OutOfSvcDvc>	[0..*]	CodeSet		1368
	MessageProtection <MsgPrtc>	[0..1]	CodeSet		1369

7.4.3.2 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		142
	Urgency <Urgcy>	[1..1]	CodeSet		142
	DateTime <DtTm>	[0..1]	DateTime		143
	CommandIdentification <CmdId>	[0..1]	±		143
	CommandParameters <CmdParams>	[0..1]	±		143

7.4.3.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

7.4.3.2.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

7.4.3.2.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODatetime" on page 1478

7.4.3.2.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

7.4.3.2.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

7.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		144
	AuthenticatedData <AuthntcdData>	[1..1]	±		144

7.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

7.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

8 caam.007.001.01 HostToATMRequestV01

8.1 MessageDefinition Functionality

The HostToATMRequest message is sent by a host to an ATM to request the ATM to contact a host by sending of a maintenance messages.

Outline

The HostToATMRequestV01 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedHostToATMRequest

Encrypted body of the message.

C. HostToATMRequest

Information related to the request to an ATM to contact the ATM manager.

D. SecurityTrailer

Trailer of the message containing a MAC.

8.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <HstToATMReq>	[1..1]			
	Header <Hdr>	[1..1]			147
	MessageFunction <MsgFctn>	[1..1]			147
	Function <Fctn>	[1..1]	CodeSet		148
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		149
	HostServiceCode <HstSvcCd>	[0..1]	Text		149
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		149
	ExchangeIdentification <XchgId>	[1..1]	Text		149
	CreationDateTime <CreDtTm>	[1..1]	DateTime		149
	InitiatingParty <InitgPty>	[1..1]	Text		149
	RecipientParty <RcptPty>	[0..1]	Text		149
	ProcessState <PrcStat>	[0..1]	Text		150
	Traceability <Tracblt>	[0..*]			150
	RelayIdentification <RlayId>	[1..1]	±		150
	SequenceNumber <SeqNb>	[0..1]	Text		150
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		150
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		151
	ProtectedHostToATMRequest <PrctcdHstToATMReq>	[0..1]	±		151
	HostToATMRequest <HstToATMReq>	[0..1]			151
	Environment <Envt>	[1..1]			151
	Acquirer <Acqrr>	[0..1]	±		152
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		152
	ATM <ATM>	[1..1]	±		152
	CommandIdentification <CmdId>	[0..1]	±		152
	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		152
	SecurityTrailer <SctyTrlr>	[0..1]			153
	ContentType <CnttTp>	[1..1]	CodeSet		153
	AuthenticatedData <AuthntcdData>	[1..1]	±		153

8.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

8.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			147
	Function <Fctn>	[1..1]	CodeSet		148
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		149
	HostServiceCode <HstSvcCd>	[0..1]	Text		149
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		149
	ExchangeIdentification <XchgId>	[1..1]	Text		149
	CreationDateTime <CreDtTm>	[1..1]	DateTime		149
	InitiatingParty <InitgPty>	[1..1]	Text		149
	RecipientParty <RcptPty>	[0..1]	Text		149
	ProcessState <PrcStat>	[0..1]	Text		150
	Traceability <Tracblt>	[0..*]			150
	RelayIdentification <RlayId>	[1..1]	±		150
	SequenceNumber <SeqNb>	[0..1]	Text		150
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		150
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		151

8.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		148
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		149
	HostServiceCode <HstSvcCd>	[0..1]	Text		149

8.3.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction7Code" on page 1467

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.

CodeName	Name	Definition
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

8.3.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

8.3.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

8.3.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

8.3.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

8.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

8.3.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

8.3.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

8.3.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

8.3.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		150
	SequenceNumber <SeqNb>	[0..1]	Text		150
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		150
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		151

8.3.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

8.3.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

8.3.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

8.3.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

8.3.2 ProtectedHostToATMRequest <PrtctdHstToATMReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedHostToATMRequest <PrtctdHstToATMReq> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

8.3.3 HostToATMRequest <HstToATMReq>

Presence: [0..1]

Definition: Information related to the request to an ATM to contact the ATM manager.

HostToATMRequest <HstToATMReq> contains the following **HostToATMRequest1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			151
	Acquirer <Acqrr>	[0..1]	±		152
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		152
	ATM <ATM>	[1..1]	±		152
	CommandIdentification <Cmdld>	[0..1]	±		152
	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		152

8.3.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the ATM.

Environment <Envt> contains the following **ATMEnvironment9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		152
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		152
	ATM <ATM>	[1..1]	±		152

8.3.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

8.3.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "[Max35Text](#)" on page 1483

8.3.3.1.3 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "[AutomatedTellerMachine7](#)" on page 1359 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1359
	AdditionalIdentification <AddtlId>	[0..1]	Text		1359
	SequenceNumber <SeqNb>	[0..1]	Text		1360

8.3.3.2 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "[ATMCommandIdentification1](#)" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

8.3.3.3 ExpectedMessageFunction <XpctdMsgFctn>

Presence: [1..1]

Definition: Message that have to be sent by the ATM.

Datatype: "[MessageFunction8Code](#)" on page 1468

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
GSTS	ATMGlobalStatus	Global status of the ATM.
DSEC	SecurityDetails	Security detailed report.
INQC	CountersInquiry	Request the value of the ATM counters.
KEYQ	KeyExchangeRequest	Request of a key exchange.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

8.3.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		153
	AuthenticatedData <AuthntcdData>	[1..1]	±		153

8.3.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

8.3.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

9 caam.008.001.01 HostToATMAcknowledgementV01

9.1 MessageDefinition Functionality

The HostToATMAcknowledgement message is sent by an ATM to a host to acknowledge the receipt of a HostToATMRequest message.

Outline

The HostToATMAcknowledgementV01 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedHostToATMAcknowledgement
Encrypted body of the message.
- C. HostToATMAcknowledgement
Information related to the acknowledgement from an ATM to contact the ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

9.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <HstToATMAck>	[1..1]			
	Header <Hdr>	[1..1]			157
	MessageFunction <MsgFctn>	[1..1]			157
	Function <Fctn>	[1..1]	CodeSet		157
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		159
	HostServiceCode <HstSvcCd>	[0..1]	Text		159
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		159
	Exchangeldentification <Xchgld>	[1..1]	Text		159
	CreationDateTime <CreDtTm>	[1..1]	DateTime		159
	InitiatingParty <InitgPty>	[1..1]	Text		159
	RecipientParty <RcptPty>	[0..1]	Text		159
	ProcessState <PrcStat>	[0..1]	Text		159
	Traceability <Tracblt>	[0..*]			160
	Relayldentification <Rlayld>	[1..1]	±		160
	SequenceNumber <SeqNb>	[0..1]	Text		160
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		160
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		160
	ProtectedHostToATMAcknowledgement <PrtctdHstToATMAck>	[0..1]	±		161
	HostToATMAcknowledgement <HstToATMAck>	[0..1]			161
	Environment <Envnt>	[1..1]			161
	Acquirer <Acqrr>	[0..1]	±		161
	ATMManagerldentification <ATMMgrld>	[0..1]	Text		162
	ATM <ATM>	[1..1]	±		162
	SecurityTrailer <SctyTrlr>	[0..1]			162
	ContentType <CnttTp>	[1..1]	CodeSet		162
	AuthenticatedData <AuthntcdData>	[1..1]	±		163

9.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

9.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			157
	Function <Fctn>	[1..1]	CodeSet		157
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		159
	HostServiceCode <HstSvcCd>	[0..1]	Text		159
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		159
	ExchangeIdentification <XchgId>	[1..1]	Text		159
	CreationDateTime <CreDtTm>	[1..1]	DateTime		159
	InitiatingParty <InitgPty>	[1..1]	Text		159
	RecipientParty <RcptPty>	[0..1]	Text		159
	ProcessState <PrcStat>	[0..1]	Text		159
	Traceability <Tracblt>	[0..*]			160
	RelayIdentification <RlayId>	[1..1]	±		160
	SequenceNumber <SeqNb>	[0..1]	Text		160
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		160
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		160

9.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		157
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		159
	HostServiceCode <HstSvcCd>	[0..1]	Text		159

9.3.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction7Code" on page 1467

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMIquiryRequest	Request for an inquiry.
INQP	ATMIquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

9.3.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

9.3.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

9.3.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

9.3.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

9.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

9.3.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

9.3.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

9.3.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

9.3.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		160
	SequenceNumber <SeqNb>	[0..1]	Text		160
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		160
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		160

9.3.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

9.3.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

9.3.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 1478

9.3.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODateTime](#)" on page 1478

9.3.2 ProtectedHostToATMAcknowledgement <PrtctdHstToATMAck>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedHostToATMAcknowledgement <PrtctdHstToATMAck> contains the following elements
(see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

9.3.3 HostToATMAcknowledgement <HstToATMAck>

Presence: [0..1]

Definition: Information related to the acknowledgement from an ATM to contact the ATM manager.

HostToATMAcknowledgement <HstToATMAck> contains the following
HostToATMAcknowledgement1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			161
	Acquirer <Acqrr>	[0..1]	±		161
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		162
	ATM <ATM>	[1..1]	±		162

9.3.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the ATM.

Environment <Envt> contains the following **ATMEnvironment9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		161
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		162
	ATM <ATM>	[1..1]	±		162

9.3.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

9.3.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "Max35Text" on page 1483

9.3.3.1.3 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine7" on page 1359 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1359
	AdditionalIdentification <AddtlId>	[0..1]	Text		1359
	SequenceNumber <SeqNb>	[0..1]	Text		1360

9.3.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		162
	AuthenticatedData <AuthntcdData>	[1..1]	±		163

9.3.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).

CodeName	Name	Definition
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).

9.3.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on [page 1407](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

10 caam.009.001.03 ATMReconciliationAdviceV03

10.1 MessageDefinition Functionality

The ATMReconciliationAdvice message is sent by an ATM to an acquirer or its agent to send all the counters of the ATM. It can be sent by an operator function or as a response of a command sent by an agent or a server.

Outline

The ATMReconciliationAdviceV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMReconciliationAdvice
Encrypted body of the message.
- C. ATMReconciliationAdvice
Information related to the reconciliation of an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

10.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMRcncltnAdv>	[1..1]			
	Header <Hdr>	[1..1]			168
	MessageFunction <MsgFctn>	[1..1]			169
	Function <Fctn>	[1..1]	CodeSet		169
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		171
	HostServiceCode <HstSvcCd>	[0..1]	Text		171
	ProtocolVersion <PrctolVrsn>	[1..1]	Text		171
	ExchangeIdentification <XchgId>	[1..1]	Text		171
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		171
	CreationDateTime <CreDtTm>	[1..1]	DateTime		172
	InitiatingParty <InitgPty>	[1..1]	Text		172
	RecipientParty <RcptPty>	[0..1]	Text		172
	ProcessState <PrctStat>	[0..1]	Text		172
	Traceability <Tracblt>	[0..*]			172
	RelayIdentification <RlayId>	[1..1]	±		172
	SequenceNumber <SeqNb>	[0..1]	Text		173
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		173
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		173
	ProtectedATMReconciliationAdvice <PrctcdATMRcncltnAdv>	[0..1]	±		173
	ATMReconciliationAdvice <ATMRcncltnAdv>	[0..1]			173
	Environment <Envnt>	[1..1]			176
	Acquirer <Acqrr>	[0..1]	±		177
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		177
	HostingEntity <HstgNtty>	[0..1]	±		178
	ATM <ATM>	[1..1]	±		178
	Card <Card>	[0..1]			180
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		180
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		181
	ProtectedCardData <PrctcdCardData>	[0..1]	±		181
	PlainCardData <PlainCardData>	[0..1]			181

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		182
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		182
	EffectiveDate <FctvDt>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	Track1 <Trck1>	[0..1]	Text		182
	Track2 <Trck2>	[0..1]	Text		182
	Track3 <Trck3>	[0..1]	Text		183
	CardCountryCode <CardCtryCd>	[0..1]	Text		183
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		183
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C3	183
	CommandResult <CmdRslt>	[0..*]			183
	Type <Tp>	[1..1]	CodeSet		184
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		184
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		184
	CommandIdentification <CmdId>	[0..1]	±		184
	Result <Rslt>	[1..1]	CodeSet		185
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		185
	CommandContext <CmdCntxt>	[0..1]			185
	Type <Tp>	[1..1]	CodeSet		186
	CommandIdentification <CmdId>	[0..1]	±		186
	Transaction <Tx>	[1..1]			186
	ReconciliationOperation <RcncltnOpr>	[0..*]			188
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		190
	TransactionIdentification <TxId>	[1..1]	±		190
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		191
	ATMTotals <ATMTtls>	[0..*]	±		191
	Cassette <Csstt>	[0..*]			191
	PhysicalIdentification <PhysId>	[0..1]	Text		193
	LogicalIdentification <LogId>	[1..1]	Text		193
	SerialNumber <SrlNb>	[0..1]	Text		193
	Type <Tp>	[1..1]	CodeSet		193

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SubType <SubTp>	[0..*]	CodeSet		193
	MediaType <MdiaTp>	[0..1]	CodeSet		194
	MediaCounters <MdiaCntrs>	[0..*]			194
	UnitValue <UnitVal>	[0..1]	Amount		195
	Currency <Ccy>	[0..1]	CodeSet	C1	195
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		196
	InitialCount <InitlCnt>	[0..1]	Quantity		196
	CurrentNumber <CurNb>	[1..1]	Quantity		196
	CurrentAmount <CurAmt>	[0..1]	Amount		196
	FlowTotals <FlowTtls>	[0..*]			196
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199
	CassetteStatus <CssttSts>	[0..1]	CodeSet		199
	TransactionTotals <TxTtls>	[0..*]	±		200
	RetainedCard <RtndCard>	[0..1]	Quantity		200
	AdditionalTransactionInformation <AddtlTxInf>	[0..1]	Text		200
	Incident <Incdnt>	[0..*]	CodeSet		200
	SecurityTrailer <SctyTrlr>	[0..1]			202
	ContentType <CnttTp>	[1..1]	CodeSet		202

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticatedData <AuthntcdData>	[1..1]	±		203

10.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

C3 ValidationByTable

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

10.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

10.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			169
	Function <Fctn>	[1..1]	CodeSet		169
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		171
	HostServiceCode <HstSvcCd>	[0..1]	Text		171
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		171
	ExchangeIdentification <XchgId>	[1..1]	Text		171
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		171
	CreationDateTime <CreDtTm>	[1..1]	DateTime		172
	InitiatingParty <InitgPty>	[1..1]	Text		172
	RecipientParty <RcptPty>	[0..1]	Text		172
	ProcessState <PrcStat>	[0..1]	Text		172
	Traceability <Tracblt>	[0..*]			172
	RelayIdentification <RlayId>	[1..1]	±		172
	SequenceNumber <SeqNb>	[0..1]	Text		173
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		173
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		173

10.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		169
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		171
	HostServiceCode <HstSvcCd>	[0..1]	Text		171

10.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

10.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

10.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

10.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

10.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

10.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

10.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

10.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

10.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

10.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

10.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		172
	SequenceNumber <SeqNb>	[0..1]	Text		173
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		173
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		173

10.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

10.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

10.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

10.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

10.4.2 ProtectedATMReconciliationAdvice <PrtctdATMRcncltnAdv>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMReconciliationAdvice <PrtctdATMRcncltnAdv> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

10.4.3 ATMReconciliationAdvice <ATMRcncltnAdv>

Presence: [0..1]

Definition: Information related to the reconciliation of an ATM.

ATMReconciliationAdvice <ATMRcncltnAdv> contains the following **ATMReconciliationAdvice3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			176
	Acquirer <Acqrr>	[0..1]	±		177
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		177
	HostingEntity <HstgNtty>	[0..1]	±		178
	ATM <ATM>	[1..1]	±		178
	Card <Card>	[0..1]			180
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		180
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		181
	ProtectedCardData <PrtctdCardData>	[0..1]	±		181
	PlainCardData <PlainCardData>	[0..1]			181
	PAN <PAN>	[0..1]	Text		182
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		182
	EffectiveDate <FctvDt>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	Track1 <Trck1>	[0..1]	Text		182
	Track2 <Trck2>	[0..1]	Text		182
	Track3 <Trck3>	[0..1]	Text		183
	CardCountryCode <CardCtryCd>	[0..1]	Text		183
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		183
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C3	183
	CommandResult <CmdRslt>	[0..*]			183
	Type <Tp>	[1..1]	CodeSet		184
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		184
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		184
	CommandIdentification <Cmdld>	[0..1]	±		184
	Result <Rslt>	[1..1]	CodeSet		185
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		185
	CommandContext <CmdCntxt>	[0..1]			185
	Type <Tp>	[1..1]	CodeSet		186
	CommandIdentification <Cmdld>	[0..1]	±		186

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Transaction <Tx>	[1..1]			186
	ReconciliationOperation <RcncltnOpr>	[0..*]			188
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		190
	TransactionIdentification <TxId>	[1..1]	±		190
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		191
	ATMTotals <ATMTtls>	[0..*]	±		191
	Cassette <Csstt>	[0..*]			191
	PhysicalIdentification <PhysId>	[0..1]	Text		193
	LogicalIdentification <LogclId>	[1..1]	Text		193
	SerialNumber <SrlNb>	[0..1]	Text		193
	Type <Tp>	[1..1]	CodeSet		193
	SubType <SubTp>	[0..*]	CodeSet		193
	MediaType <MdiaTp>	[0..1]	CodeSet		194
	MediaCounters <MdiaCntrs>	[0..*]			194
	UnitValue <UnitVal>	[0..1]	Amount		195
	Currency <Ccy>	[0..1]	CodeSet	C1	195
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		196
	InitialCount <InitlCnt>	[0..1]	Quantity		196
	CurrentNumber <CurNb>	[1..1]	Quantity		196
	CurrentAmount <CurAmt>	[0..1]	Amount		196
	FlowTotals <FlowTtls>	[0..*]			196
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199
	CassetteStatus <CssttSts>	[0..1]	CodeSet		199
	TransactionTotals <TxTtls>	[0..*]	±		200
	RetainedCard <RtndCard>	[0..1]	Quantity		200
	AdditionalTransactionInformation <AddtlTxInf>	[0..1]	Text		200
	Incident <Incdnt>	[0..*]	CodeSet		200

10.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the ATM.

Environment <Envt> contains the following **ATMEnvironment22** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		177
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		177
	HostingEntity <HstgNtty>	[0..1]	±		178
	ATM <ATM>	[1..1]	±		178
	Card <Card>	[0..1]			180
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		180
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		181
	ProtectedCardData <PrtctdCardData>	[0..1]	±		181
	PlainCardData <PlainCardData>	[0..1]			181
	PAN <PAN>	[0..1]	Text		182
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		182
	EffectiveDate <FctvDt>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	Track1 <Trck1>	[0..1]	Text		182
	Track2 <Trck2>	[0..1]	Text		182
	Track3 <Trck3>	[0..1]	Text		183
	CardCountryCode <CardCtryCd>	[0..1]	Text		183
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		183
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C3	183

10.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <Acqrglnstrn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

10.4.3.1.2 ATMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "Max35Text" on page 1483

10.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

10.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine8" on page 1332 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1334
	AdditionalIdentification <AddtlId>	[0..1]	Text		1334
	SequenceNumber <SeqNb>	[0..1]	Text		1334
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1334
	Location <Lctn>	[0..1]			1334
	AddressLine <AdrLine>	[0..2]	Text		1335
	StreetName <StrtNm>	[0..1]	Text		1335
	BuildingNumber <BldgNb>	[0..1]	Text		1335
	PostCode <PstCd>	[0..1]	Text		1335
	TownName <TwnNm>	[1..1]	Text		1336
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1336
	Country <Ctry>	[1..1]	CodeSet	C1	1336
	GeoLocation <GLctn>	[0..1]			1336
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1336
	Latitude <Lat>	[1..1]	Text		1337
	Longitude <Long>	[1..1]	Text		1337
Or}	UTMCoordinates <UTMCordints>	[1..1]			1337
	UTMZone <UTMZone>	[1..1]	Text		1337
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1337
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1338
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1338
	Equipment <Eqpmnt>	[0..1]			1338
	Manufacturer <Manfctr>	[0..1]	Text		1338
	Model <Mdl>	[0..1]	Text		1339
	SerialNumber <SrlNb>	[0..1]	Text		1339
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1339
	ApplicationName <ApplNm>	[0..1]	Text		1339
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1339
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1339
	ConfigurationParameter <CfgrtnParam>	[0..*]			1339
	Type <Tp>	[1..1]	CodeSet		1339

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1340

10.4.3.1.5 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard37** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		180
	FallbackIndicator <FllbckInd>	[0..1]	Indicator		181
	ProtectedCardData <PrtctdCardData>	[0..1]	±		181
	PlainCardData <PlainCardData>	[0..1]			181
	PAN <PAN>	[0..1]	Text		182
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		182
	EffectiveDate <FctvDt>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	Track1 <Trck1>	[0..1]	Text		182
	Track2 <Trck2>	[0..1]	Text		182
	Track3 <Trck3>	[0..1]	Text		183
	CardCountryCode <CardCtryCd>	[0..1]	Text		183
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		183
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C3	183

10.4.3.1.5.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode that used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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.

CodeName	Name	Definition
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).

10.4.3.1.5.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicate the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

10.4.3.1.5.3 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 ["ContentInformationType10"](#) on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

10.4.3.1.5.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		182
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		182
	EffectiveDate <FctvDt>	[0..1]	Text		182
	ExpiryDate <XpryDt>	[0..1]	Text		182
	Track1 <Trck1>	[0..1]	Text		182
	Track2 <Trck2>	[0..1]	Text		182
	Track3 <Trck3>	[0..1]	Text		183

10.4.3.1.5.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

10.4.3.1.5.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

10.4.3.1.5.4.3 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 1482

10.4.3.1.5.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

10.4.3.1.5.4.5 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 1485

10.4.3.1.5.4.6 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 1483

10.4.3.1.5.4.7 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 1481

10.4.3.1.5.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

10.4.3.1.5.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

10.4.3.1.5.7 ElectronicPurseBalance <ElctrncPrsBal>

Presence: [0..1]

Definition: Balance of the captured card or epurse if available.

Impacted by: C3 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

10.4.3.2 CommandResult <CmdRslt>

Presence: [0..*]

Definition: Command result for reinitialisation of the transaction counters.

CommandResult <CmdRslt> contains the following **ATMCommand8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		184
	RequiredDateTime <ReqrdDtTm>	[0..1]	DateTime		184
	ProcessedDateTime <PrcdDtTm>	[1..1]	DateTime		184
	CommandIdentification <CmdId>	[0..1]	±		184
	Result <Rslt>	[1..1]	CodeSet		185
	AdditionalErrorInformation <AddtlErrInf>	[0..1]	Text		185

10.4.3.2.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand5Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
CCNT	CountersInquiry	Request the value of the ATM counters.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

10.4.3.2.2 RequiredDateTime <ReqrdDtTm>

Presence: [0..1]

Definition: Date time on which the command has been requested to be performed.

Datatype: "ISODateTime" on page 1478

10.4.3.2.3 ProcessedDateTime <PrcdDtTm>

Presence: [1..1]

Definition: Date time on which the command has been performed.

Datatype: "ISODateTime" on page 1478

10.4.3.2.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see
"ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

10.4.3.2.5 Result <RsIt>

Presence: [1..1]

Definition: Final result of the processed command at the ATM.

Datatype: "TerminalManagementActionResult2Code" on page 1476

CodeName	Name	Definition
CNTE	ConnectionError	Problem to connect while performing the action.
FMTE	FormatError	Data transferred has a wrong format.
HRDW	Hardware	Hardware error.
NSUP	NotSupported	Action is not supported.
SECR	Security	Security error.
SUCC	Success	Action was successfully performed.
SYNE	SyntaxError	Data transferred has a wrong syntax.
TIMO	Timeout	Timeout expired during the data transfer.
UKRF	UnknownKeyReference	Cryptographic key reference used for the data signature is not valid.

10.4.3.2.6 AdditionalErrorInformation <AddtlErrInf>

Presence: [0..1]

Definition: Additional information on the failure to be logged for further examination.

Datatype: "Max140Text" on page 1482

10.4.3.3 CommandContext <CmdCntxt>

Presence: [0..1]

Definition: Party which has requested the reconciliation.

CommandContext <CmdCntxt> contains the following **ATMCommand9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		186
	CommandIdentification <CmdId>	[0..1]	±		186

10.4.3.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand5Code" on page 1441

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
CCNT	CountersInquiry	Request the value of the ATM counters.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

10.4.3.3.2 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

10.4.3.4 Transaction <Tx>

Presence: [1..1]

Definition: Information about the reconciliation request.

Transaction <Tx> contains the following **ATMTransaction36** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ReconciliationOperation <RcncltnOpr>	[0..*]			188
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		190
	TransactionIdentification <TxId>	[1..1]	±		190
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		191
	ATMTotals <ATMTtls>	[0..*]	±		191
	Cassette <Csstt>	[0..*]			191
	PhysicalIdentification <PhysId>	[0..1]	Text		193
	LogicalIdentification <LogclId>	[1..1]	Text		193
	SerialNumber <SrlNb>	[0..1]	Text		193
	Type <Tp>	[1..1]	CodeSet		193
	SubType <SubTp>	[0..*]	CodeSet		193
	MediaType <MdiaTp>	[0..1]	CodeSet		194
	MediaCounters <MdiaCntrs>	[0..*]			194
	UnitValue <UnitVal>	[0..1]	Amount		195
	Currency <Ccy>	[0..1]	CodeSet	C1	195
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		196
	InitialCount <InitlCnt>	[0..1]	Quantity		196
	CurrentNumber <CurNb>	[1..1]	Quantity		196
	CurrentAmount <CurAmt>	[0..1]	Amount		196
	FlowTotals <FlowTtls>	[0..*]			196
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199
	CassetteStatus <CssttSts>	[0..1]	CodeSet		199
	TransactionTotals <TxTtls>	[0..*]	±		200
	RetainedCard <RtndCard>	[0..1]	Quantity		200
	AdditionalTransactionInformation <AddtlTxInf>	[0..1]	Text		200
	Incident <Incdnt>	[0..*]	CodeSet		200

10.4.3.4.1 ReconciliationOperation <RcncltnOpr>

Presence: [0..*]

Definition: Set of reconciliation operations between an ATM device and a maintenance host.

ReconciliationOperation <RcncltnOpr> contains the following **ATMReconciliationOperation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		190
	TransactionIdentification <TxId>	[1..1]	±		190
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		191
	ATMTotals <ATMTtls>	[0..*]	±		191
	Cassette <Csstt>	[0..*]			191
	PhysicalIdentification <PhysId>	[0..1]	Text		193
	LogicalIdentification <LogclId>	[1..1]	Text		193
	SerialNumber <SrlNb>	[0..1]	Text		193
	Type <Tp>	[1..1]	CodeSet		193
	SubType <SubTp>	[0..*]	CodeSet		193
	MediaType <MdiaTp>	[0..1]	CodeSet		194
	MediaCounters <MdiaCntrs>	[0..*]			194
	UnitValue <UnitVal>	[0..1]	Amount		195
	Currency <Ccy>	[0..1]	CodeSet	C1	195
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		196
	InitialCount <InitlCnt>	[0..1]	Quantity		196
	CurrentNumber <CurNb>	[1..1]	Quantity		196
	CurrentAmount <CurAmt>	[0..1]	Amount		196
	FlowTotals <FlowTtls>	[0..*]			196
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199
	CassetteStatus <CssttSts>	[0..1]	CodeSet		199
	TransactionTotals <TxTtls>	[0..*]	±		200
	RetainedCard <RtndCard>	[0..1]	Quantity		200
	AdditionalTransactionInformation <AddtlTxInf>	[0..1]	Text		200
	Incident <IncCnt>	[0..*]	CodeSet		200

10.4.3.4.1.1 TypeOfOperation <TpOfOpr>

Presence: [0..1]

Definition: Logical or physical operation to do on an ATM.

Datatype: "ATMOperation2Code" on page 1446

CodeName	Name	Definition
ADJU	Adjust	Adjust logical counters of the cassette.
INSR	InsertMedia	Add physically media to cassette.
LOAD	Loading	Loading cassette.
REMV	RemoveMedia	Subtract physically media from cassette.
UNLD	Unloading	Unloading cassette.
RCUP	RemoteCounterUpdate	Remotely updating an ATM counter.
SWAP	Swap	Unload all cassettes, and load a new set of cassettes to replace these. The Cassette structures determines what was removed and what was added.

10.4.3.4.1.2 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

10.4.3.4.1.3 ReconciliationIdentification <RcncltnId>

Presence: [1..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

10.4.3.4.1.4 ATMTotals <ATMTtls>

Presence: [0..*]

Definition: Current totals of the ATM.

ATMTotals <ATMTtls> contains the following elements (see "ATMTotals4" on page 1322 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1323
	ATMBalance <ATMBal>	[0..1]	Amount		1323
	ATMCurrent <ATMCur>	[0..1]	Amount		1323
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1323
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1324

10.4.3.4.1.5 Cassette <Csstt>

Presence: [0..*]

Definition: Information on the cassettes of the ATM.

Cassette <Csstt> contains the following **ATMCassette3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		193
	LogicalIdentification <LogcId>	[1..1]	Text		193
	SerialNumber <SrlNb>	[0..1]	Text		193
	Type <Tp>	[1..1]	CodeSet		193
	SubType <SubTp>	[0..*]	CodeSet		193
	MediaType <MdiaTp>	[0..1]	CodeSet		194
	MediaCounters <MdiaCntrs>	[0..*]			194
	UnitValue <UnitVal>	[0..1]	Amount		195
	Currency <Ccy>	[0..1]	CodeSet	C1	195
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		196
	InitialCount <InitlCnt>	[0..1]	Quantity		196
	CurrentNumber <CurNb>	[1..1]	Quantity		196
	CurrentAmount <CurAmt>	[0..1]	Amount		196
	FlowTotals <FlowTtls>	[0..*]			196
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199
	CassetteStatus <CssttSts>	[0..1]	CodeSet		199

10.4.3.4.1.5.1 PhysicalIdentification <PhysId>

Presence: [0..1]

Definition: Physical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

10.4.3.4.1.5.2 LogicalIdentification <LogcId>

Presence: [1..1]

Definition: Logical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

10.4.3.4.1.5.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number or unique identification of the cassette hardware.

Datatype: "Max35Text" on page 1483

10.4.3.4.1.5.4 Type <Tp>

Presence: [1..1]

Definition: Type of cassette.

Datatype: "ATMCassetteType1Code" on page 1440

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

10.4.3.4.1.5.5 SubType <SubTp>

Presence: [0..*]

Definition: Type of items the cash-in takes.

Datatype: "ATMNoteType1Code" on page 1446

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

10.4.3.4.1.5.6 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

10.4.3.4.1.5.7 MediaCounters <MdiaCntrs>

Presence: [0..*]

Definition: Counter per unit value or globally.

MediaCounters <MdiaCntrs> contains the following **ATMCassetteCounters6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitValue <UnitVal>	[0..1]	Amount		195
	Currency <Ccy>	[0..1]	CodeSet	C1	195
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		196
	InitialCount <InitlCnt>	[0..1]	Quantity		196
	CurrentNumber <CurNb>	[1..1]	Quantity		196
	CurrentAmount <CurAmt>	[0..1]	Amount		196
	FlowTotals <FlowTtls>	[0..*]			196
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199

10.4.3.4.1.5.7.1 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount of one media unit, if the media type is valued.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

10.4.3.4.1.5.7.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media, if the media type is valued and different from the currency of the requested amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

10.4.3.4.1.5.7.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

10.4.3.4.1.5.7.4 InitialCount <InitlCnt>

Presence: [0..1]

Definition: Number of media items in cassette after last replenishment.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.5 CurrentNumber <CurNb>

Presence: [1..1]

Definition: Current number of media present in the cassette.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.6 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Current amount in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

10.4.3.4.1.5.7.7 FlowTotals <FlowTtls>

Presence: [0..*]

Definition: Counters of media inside the cassette.

FlowTotals <FlowTtls> contains the following **ATMCassetteCounters5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		197
	AddedNumber <AddedNb>	[0..1]	Quantity		197
	RemovedNumber <RmvdNb>	[0..1]	Quantity		198
	RemovedAmount <RmvdAmt>	[0..1]	Amount		198
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		198
	DepositedNumber <DpstdNb>	[0..1]	Quantity		198
	DepositedAmount <DpstdAmt>	[0..1]	Amount		198
	RecycledNumber <RcycldNb>	[0..1]	Quantity		198
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		198
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		198
	RejectedNumber <RjctdNb>	[0..1]	Quantity		199
	PresentedNumber <PresntdNb>	[0..1]	Quantity		199
	InitialNumber <InitlNb>	[0..1]	Quantity		199
	InitialAmount <InitlAmt>	[0..1]	Amount		199

10.4.3.4.1.5.7.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of counters.

Datatype: "ATMCounterType3Code" on page 1443

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

10.4.3.4.1.5.7.7.2 AddedNumber <AddedNb>

Presence: [0..1]

Definition: Number of added media during servicing operations.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.3 RemovedNumber <RmvdNb>

Presence: [0..1]

Definition: Number of removed media during servicing operations.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.4 RemovedAmount <RmvdAmt>

Presence: [0..1]

Definition: Amount of removed media during servicing operations.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

10.4.3.4.1.5.7.7.5 DispensedNumber <DspnsdNb>

Presence: [0..1]

Definition: Total number of media out of the cassette.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.6 DepositedNumber <DpstdNb>

Presence: [0..1]

Definition: Total number of media deposited in the cassette.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.7 DepositedAmount <DpstdAmt>

Presence: [0..1]

Definition: Amount of media deposited in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

10.4.3.4.1.5.7.7.8 RecycledNumber <RcycldNb>

Presence: [0..1]

Definition: Total number of recycled media from the cassette.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.9 RetractedNumber <RtrctdNb>

Presence: [0..1]

Definition: Total number of retracted media originating from the cassette.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.10 RetractedAmount <RtrctdAmt>

Presence: [0..1]

Definition: Total amount retracted during operation. Only intended to be used where each of the items in the cassette do not have the same value (for example for retracting checks).

Datatype: "ImpliedCurrencyAndAmount" on page 1431

10.4.3.4.1.5.7.7.11 RejectedNumber <RjctdNb>

Presence: [0..1]

Definition: Total number of media from this cassette which are on the reject bin.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.12 PresentedNumber <PresntdNb>

Presence: [0..1]

Definition: Total number of media presented to the customer.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.13 InitialNumber <InitlNb>

Presence: [0..1]

Definition: Initial number added during a servicing operation.

Datatype: "Number" on page 1480

10.4.3.4.1.5.7.7.14 InitialAmount <InitlAmt>

Presence: [0..1]

Definition: Initial amount added during a servicing operation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

10.4.3.4.1.5.8 CassetteStatus <CssttSts>

Presence: [0..1]

Definition: Status of the cassette. This element may not be provided if the status has not changed from the previous time the cassette information has been provided.

Datatype: "ATMCassetteStatus1Code" on page 1440

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

10.4.3.4.1.6 TransactionTotals <TxTtls>

Presence: [0..*]

Definition: Transaction counters that are set to zero after a reconciliation with counter reinitialisation command.

TransactionTotals <TxTtls> contains the following elements (see "ATMTotals3" on page 1330 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1330
	AdditionalIdentification <AddtlId>	[0..1]	Text		1331
	Period <Prd>	[1..1]	CodeSet		1331
	Currency <Ccy>	[0..1]	CodeSet	C1	1331
	Count <Cnt>	[1..1]	Quantity		1331
	Amount <Amt>	[0..1]	Amount		1331

10.4.3.4.1.7 RetainedCard <RtndCard>

Presence: [0..1]

Definition: Total number of retained cards.

Datatype: "Number" on page 1480

10.4.3.4.1.8 AdditionalTransactionInformation <AddtlTxInf>

Presence: [0..1]

Definition: Additional information about reconciliation.

Datatype: "Max140Text" on page 1482

10.4.3.4.1.9 Incident <IncDnt>

Presence: [0..*]

Definition: Incident occurring during the processing of the transaction.

Datatype: "FailureReason9Code" on page 1462

CodeName	Name	Definition
CDCP	CardCaptured	ATM manager has requested to capture the card.
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CDER	CardError	Unable to complete transaction with the card.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CUDC	CustomerDecline	Customer has declined additional fees or a lower amount, transaction fails.

CodeName	Name	Definition
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
FILL	FullfilmentError	Unable to fulfil, for instance dispensing the cash.
MALF	Malfunction	Suspected malfunction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCPT	UnableToCapture	Unable to capture the card as requested.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
CSRV	OutOfCustomerService	ATM manager has requested to the ATM to stop customer services.
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CUTO	CustomerTimeOut	Customer has not been performed in time an action.
RJCT	Reject	The ATM Manager has sent an ATMReject message in response to an authorisation request.
FMTE	FormatError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were badly formatted (for example an integer value where a dateTime value was expected).
VLTE	ValidationError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were invalid (for example an incorrect ExchangeIdentifier).
CHFG	CashDispenserRetract	Following a cash dispense operation the consumer forgot to take the notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is unknown.
DCFG	CashDepositRetract	Following a cash return, on a deposit operation, the consumer forgot to take

CodeName	Name	Definition
		the returned notes, causing them to be retracted. The number of notes retracted is unknown.
CQFG	ChequeDepositRetract	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is unknown.
DFGC	CashDepositRetractCounted	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is known as the device was able to count the notes retracted.
CFGC	CashDispenserRetractCounted	Following a cash dispense operation the consumer forgot to take the returned notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is known as the device was able to count the notes retracted.
QFGC	ChequeDepositRetractCounted	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is known as the device was able to count the cheques retracted.
CQRT	ChequesRetained	Cheques have been retained by the terminal since it has been unable to return them.
DCRT	DepositsRetained	Cash has been retained by the terminal since it has been unable to return it.
RSTR	Restart	The ATM has restarted.

10.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		202
	AuthenticatedData <AuthntcdData>	[1..1]	±		203

10.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

10.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

11 caam.010.001.03 ATMReconciliationAcknowledgementV03

11.1 MessageDefinition Functionality

The ATMReconciliationAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMReconciliationAdvice message.

Outline

The ATMReconciliationAcknowledgementV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMReconciliationAcknowledgement
Encrypted body of the message.
- C. ATMReconciliationAcknowledgement
Information related to the acknowledgement of an ATM reconciliation from the ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

11.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMRcncltnAck>	[1..1]			
	Header <Hdr>	[1..1]			207
	MessageFunction <MsgFctn>	[1..1]			208
	Function <Fctn>	[1..1]	CodeSet		208
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		210
	HostServiceCode <HstSvcCd>	[0..1]	Text		210
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		210
	Exchangeldentification <Xchgld>	[1..1]	Text		210
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		210
	CreationDateTime <CreDtTm>	[1..1]	DateTime		211
	InitiatingParty <InitgPty>	[1..1]	Text		211
	RecipientParty <RcptPty>	[0..1]	Text		211
	ProcessState <PrctStat>	[0..1]	Text		211
	Traceability <Tracblt>	[0..*]			211
	RelayIdentification <Rlayld>	[1..1]	±		211
	SequenceNumber <SeqNb>	[0..1]	Text		212
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		212
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		212
	ProtectedATMReconciliationAcknowledgement <PrtctdATMRcncltnAck>	[0..1]	±		212
	ATMReconciliationAcknowledgement <ATMRcncltnAck>	[0..1]			212
	ATM <ATM>	[1..1]	±		215
	Transaction <Tx>	[1..1]			216
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		218
	TransactionIdentification <Txld>	[1..1]	±		218
	ReconciliationIdentification <Rcncltnld>	[1..1]	Text		219
	TransactionResponse <TxRspn>	[1..1]	±		219
	ATMTotals <ATMTtls>	[0..*]	±		219
	Cassette <Csstt>	[0..*]			219
	PhysicalIdentification <Physld>	[0..1]	Text		221

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	LogicalIdentification <LogclId>	[1..1]	Text		221
	SerialNumber <SrlNb>	[0..1]	Text		221
	Type <Tp>	[1..1]	CodeSet		221
	SubType <SubTp>	[0..*]	CodeSet		221
	MediaType <MdiaTp>	[0..1]	CodeSet		222
	MediaCounters <MdiaCntrs>	[0..*]			222
	UnitValue <UnitVal>	[0..1]	Amount		223
	Currency <Ccy>	[0..1]	CodeSet	C1	223
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		224
	InitialCount <InitlCnt>	[0..1]	Quantity		224
	CurrentNumber <CurNb>	[1..1]	Quantity		224
	CurrentAmount <CurAmt>	[0..1]	Amount		224
	FlowTotals <FlowTtls>	[0..*]			224
	Type <Tp>	[1..1]	CodeSet		225
	AddedNumber <AddedNb>	[0..1]	Quantity		225
	RemovedNumber <RmvdNb>	[0..1]	Quantity		226
	RemovedAmount <RmvdAmt>	[0..1]	Amount		226
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		226
	DepositedNumber <DpstdNb>	[0..1]	Quantity		226
	DepositedAmount <DpstdAmt>	[0..1]	Amount		226
	RecycledNumber <RcycldNb>	[0..1]	Quantity		226
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		226
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		226
	RejectedNumber <RjctdNb>	[0..1]	Quantity		227
	PresentedNumber <PresntdNb>	[0..1]	Quantity		227
	InitialNumber <InitlNb>	[0..1]	Quantity		227
	InitialAmount <InitlAmt>	[0..1]	Amount		227
	CassetteStatus <CssttSts>	[0..1]	CodeSet		227
	Command <Cmd>	[0..*]			228
	Type <Tp>	[1..1]	CodeSet		228
	Urgency <Urgcy>	[1..1]	CodeSet		228

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DateTime <DtTm>	[0..1]	DateTime		229
	CommandIdentification <CmdId>	[0..1]	±		229
	CommandParameters <CmdParams>	[0..1]	±		229
	SecurityTrailer <SctyTrlr>	[0..1]			229
	ContentType <CnttTp>	[1..1]	CodeSet		230
	AuthenticatedData <AuthntcdData>	[1..1]	±		230

11.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

11.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

11.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			208
	Function <Fctn>	[1..1]	CodeSet		208
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		210
	HostServiceCode <HstSvcCd>	[0..1]	Text		210
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		210
	ExchangeIdentification <XchgId>	[1..1]	Text		210
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		210
	CreationDateTime <CreDtTm>	[1..1]	DateTime		211
	InitiatingParty <InitgPty>	[1..1]	Text		211
	RecipientParty <RcptPty>	[0..1]	Text		211
	ProcessState <PrcStat>	[0..1]	Text		211
	Traceability <Tracblt>	[0..*]			211
	RelayIdentification <RlayId>	[1..1]	±		211
	SequenceNumber <SeqNb>	[0..1]	Text		212
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		212
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		212

11.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		208
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		210
	HostServiceCode <HstSvcCd>	[0..1]	Text		210

11.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

11.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

11.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

11.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

11.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

11.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

11.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

11.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

11.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

11.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

11.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		211
	SequenceNumber <SeqNb>	[0..1]	Text		212
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		212
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		212

11.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

11.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

11.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

11.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

11.4.2 ProtectedATMReconciliationAcknowledgement <PrtctdATMRcncltnAck>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMReconciliationAcknowledgement <PrtctdATMRcncltnAck> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

11.4.3 ATMReconciliationAcknowledgement <ATMRcncltnAck>

Presence: [0..1]

Definition: Information related to the acknowledgement of an ATM reconciliation from the ATM manager.

ATMReconciliationAcknowledgement <ATMRcncltnAck> contains the following
ATMReconciliationAcknowledgement3 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ATM <ATM>	[1..1]	±		215
	Transaction <Tx>	[1..1]			216
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		218
	TransactionIdentification <TxId>	[1..1]	±		218
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		219
	TransactionResponse <TxRspn>	[1..1]	±		219
	ATMTotals <ATMTtls>	[0..*]	±		219
	Cassette <Csstt>	[0..*]			219
	PhysicalIdentification <PhysId>	[0..1]	Text		221
	LogicalIdentification <LogcId>	[1..1]	Text		221
	SerialNumber <SrlNb>	[0..1]	Text		221
	Type <Tp>	[1..1]	CodeSet		221
	SubType <SubTp>	[0..*]	CodeSet		221
	MediaType <MdiaTp>	[0..1]	CodeSet		222
	MediaCounters <MdiaCntrs>	[0..*]			222
	UnitValue <UnitVal>	[0..1]	Amount		223
	Currency <Ccy>	[0..1]	CodeSet	C1	223
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		224
	InitialCount <InitlCnt>	[0..1]	Quantity		224
	CurrentNumber <CurNb>	[1..1]	Quantity		224
	CurrentAmount <CurAmt>	[0..1]	Amount		224
	FlowTotals <FlowTtls>	[0..*]			224
	Type <Tp>	[1..1]	CodeSet		225
	AddedNumber <AddedNb>	[0..1]	Quantity		225
	RemovedNumber <RmvdNb>	[0..1]	Quantity		226
	RemovedAmount <RmvdAmt>	[0..1]	Amount		226
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		226
	DepositedNumber <DpstdNb>	[0..1]	Quantity		226
	DepositedAmount <DpstdAmt>	[0..1]	Amount		226
	RecycledNumber <RcycldNb>	[0..1]	Quantity		226

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		226
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		226
	RejectedNumber <RjctdNb>	[0..1]	Quantity		227
	PresentedNumber <PresntdNb>	[0..1]	Quantity		227
	InitialNumber <InitlNb>	[0..1]	Quantity		227
	InitialAmount <InitlAmt>	[0..1]	Amount		227
	CassetteStatus <CssttSts>	[0..1]	CodeSet		227
	Command <Cmd>	[0..*]			228
	Type <Tp>	[1..1]	CodeSet		228
	Urgency <Urgcy>	[1..1]	CodeSet		228
	DateTime <DtTm>	[0..1]	DateTime		229
	CommandIdentification <Cmdld>	[0..1]	±		229
	CommandParameters <CmdParams>	[0..1]	±		229

11.4.3.1 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

11.4.3.2 Transaction <Tx>

Presence: [1..1]

Definition: Information about the reconciliation response.

Transaction <Tx> contains the following **ATMTransaction52** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TypeOfOperation <TpOfOpr>	[0..1]	CodeSet		218
	TransactionIdentification <TxId>	[1..1]	±		218
	ReconciliationIdentification <RcncltnId>	[1..1]	Text		219
	TransactionResponse <TxRspn>	[1..1]	±		219
	ATMTotals <ATMTtls>	[0..*]	±		219
	Cassette <Csstt>	[0..*]			219
	PhysicalIdentification <PhysId>	[0..1]	Text		221
	LogicalIdentification <LogclId>	[1..1]	Text		221
	SerialNumber <SrlNb>	[0..1]	Text		221
	Type <Tp>	[1..1]	CodeSet		221
	SubType <SubTp>	[0..*]	CodeSet		221
	MediaType <MdiaTp>	[0..1]	CodeSet		222
	MediaCounters <MdiaCntrs>	[0..*]			222
	UnitValue <UnitVal>	[0..1]	Amount		223
	Currency <Ccy>	[0..1]	CodeSet	C1	223
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		224
	InitialCount <InitlCnt>	[0..1]	Quantity		224
	CurrentNumber <CurNb>	[1..1]	Quantity		224
	CurrentAmount <CurAmt>	[0..1]	Amount		224
	FlowTotals <FlowTtls>	[0..*]			224
	Type <Tp>	[1..1]	CodeSet		225
	AddedNumber <AddedNb>	[0..1]	Quantity		225
	RemovedNumber <RmvdNb>	[0..1]	Quantity		226
	RemovedAmount <RmvdAmt>	[0..1]	Amount		226
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		226
	DepositedNumber <DpstdNb>	[0..1]	Quantity		226
	DepositedAmount <DpstdAmt>	[0..1]	Amount		226
	RecycledNumber <RcycldNb>	[0..1]	Quantity		226
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		226
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		226
	RejectedNumber <RjctdNb>	[0..1]	Quantity		227

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PresentedNumber <PresntdNb>	[0..1]	Quantity		227
	InitialNumber <InitlNb>	[0..1]	Quantity		227
	InitialAmount <InitlAmt>	[0..1]	Amount		227
	CassetteStatus <CssttSts>	[0..1]	CodeSet		227
	Command <Cmd>	[0..*]			228
	Type <Tp>	[1..1]	CodeSet		228
	Urgency <Urgcy>	[1..1]	CodeSet		228
	DateTime <DtTm>	[0..1]	DateTime		229
	CommandIdentification <Cmdld>	[0..1]	±		229
	CommandParameters <CmdParams>	[0..1]	±		229

11.4.3.2.1 TypeOfOperation <TpOfOpr>

Presence: [0..1]

Definition: Type of logical or physical operation on the ATM for which the counters are computed.

Datatype: "ATMOperation2Code" on page 1446

CodeName	Name	Definition
ADJU	Adjust	Adjust logical counters of the cassette.
INSR	InsertMedia	Add physically media to cassette.
LOAD	Loading	Loading cassette.
REMV	RemoveMedia	Substract physically media from cassette.
UNLD	Unloading	Unloading cassette.
RCUP	RemoteCounterUpdate	Remotely updating an ATM counter.
SWAP	Swap	Unload all cassettes, and load a new set of cassettes to replace these. The Cassette structures determines what was removed and what was added.

11.4.3.2.2 TransactionIdentification <Txld>

Presence: [1..1]

Definition: Identification of the reconciliation transaction.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

11.4.3.2.3 ReconciliationIdentification <RcncltnId>

Presence: [1..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: ["Max35Text"](#) on page 1483

11.4.3.2.4 TransactionResponse <TxRspn>

Presence: [1..1]

Definition: Result of the reconciliation.

TransactionResponse <TxRspn> contains the following elements (see ["ResponseType12"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

11.4.3.2.5 ATMTotals <ATMTtls>

Presence: [0..*]

Definition: Current totals of the ATM.

ATMTotals <ATMTtls> contains the following elements (see ["ATMTotals4"](#) on page 1322 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1323
	ATMBalance <ATMBal>	[0..1]	Amount		1323
	ATMCurrent <ATMCur>	[0..1]	Amount		1323
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1323
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1324

11.4.3.2.6 Cassette <Csstt>

Presence: [0..*]

Definition: Information on the cassettes of the ATM.

Cassette <Csstt> contains the following **ATMCassette3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		221
	LogicalIdentification <LogcId>	[1..1]	Text		221
	SerialNumber <SrlNb>	[0..1]	Text		221
	Type <Tp>	[1..1]	CodeSet		221
	SubType <SubTp>	[0..*]	CodeSet		221
	MediaType <MdiaTp>	[0..1]	CodeSet		222
	MediaCounters <MdiaCntrs>	[0..*]			222
	UnitValue <UnitVal>	[0..1]	Amount		223
	Currency <Ccy>	[0..1]	CodeSet	C1	223
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		224
	InitialCount <InitlCnt>	[0..1]	Quantity		224
	CurrentNumber <CurNb>	[1..1]	Quantity		224
	CurrentAmount <CurAmt>	[0..1]	Amount		224
	FlowTotals <FlowTtls>	[0..*]			224
	Type <Tp>	[1..1]	CodeSet		225
	AddedNumber <AddedNb>	[0..1]	Quantity		225
	RemovedNumber <RmvdNb>	[0..1]	Quantity		226
	RemovedAmount <RmvdAmt>	[0..1]	Amount		226
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		226
	DepositedNumber <DpstndNb>	[0..1]	Quantity		226
	DepositedAmount <DpstndAmt>	[0..1]	Amount		226
	RecycledNumber <RcycldNb>	[0..1]	Quantity		226
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		226
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		226
	RejectedNumber <RjctdNb>	[0..1]	Quantity		227
	PresentedNumber <PresntdNb>	[0..1]	Quantity		227
	InitialNumber <InitlNb>	[0..1]	Quantity		227
	InitialAmount <InitlAmt>	[0..1]	Amount		227
	CassetteStatus <CssttSts>	[0..1]	CodeSet		227

11.4.3.2.6.1 PhysicalIdentification <PhysId>

Presence: [0..1]

Definition: Physical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

11.4.3.2.6.2 LogicalIdentification <LogcId>

Presence: [1..1]

Definition: Logical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

11.4.3.2.6.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number or unique identification of the cassette hardware.

Datatype: "Max35Text" on page 1483

11.4.3.2.6.4 Type <Tp>

Presence: [1..1]

Definition: Type of cassette.

Datatype: "ATMCassetteType1Code" on page 1440

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

11.4.3.2.6.5 SubType <SubTp>

Presence: [0..*]

Definition: Type of items the cash-in takes.

Datatype: "ATMNoteType1Code" on page 1446

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

11.4.3.2.6.6 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

11.4.3.2.6.7 MediaCounters <MdiaCntrs>

Presence: [0..*]

Definition: Counter per unit value or globally.

MediaCounters <MdiaCntrs> contains the following **ATMCassetteCounters6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitValue <UnitVal>	[0..1]	Amount		223
	Currency <Ccy>	[0..1]	CodeSet	C1	223
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		224
	InitialCount <InitlCnt>	[0..1]	Quantity		224
	CurrentNumber <CurNb>	[1..1]	Quantity		224
	CurrentAmount <CurAmt>	[0..1]	Amount		224
	FlowTotals <FlowTtls>	[0..*]			224
	Type <Tp>	[1..1]	CodeSet		225
	AddedNumber <AddedNb>	[0..1]	Quantity		225
	RemovedNumber <RmvdNb>	[0..1]	Quantity		226
	RemovedAmount <RmvdAmt>	[0..1]	Amount		226
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		226
	DepositedNumber <DpstdNb>	[0..1]	Quantity		226
	DepositedAmount <DpstdAmt>	[0..1]	Amount		226
	RecycledNumber <RcycldNb>	[0..1]	Quantity		226
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		226
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		226
	RejectedNumber <RjctdNb>	[0..1]	Quantity		227
	PresentedNumber <PresntdNb>	[0..1]	Quantity		227
	InitialNumber <InitlNb>	[0..1]	Quantity		227
	InitialAmount <InitlAmt>	[0..1]	Amount		227

11.4.3.2.6.7.1 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount of one media unit, if the media type is valued.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

11.4.3.2.6.7.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media, if the media type is valued and different from the currency of the requested amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

11.4.3.2.6.7.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

11.4.3.2.6.7.4 InitialCount <InitICnt>

Presence: [0..1]

Definition: Number of media items in cassette after last replenishment.

Datatype: "Number" on page 1480

11.4.3.2.6.7.5 CurrentNumber <CurNb>

Presence: [1..1]

Definition: Current number of media present in the cassette.

Datatype: "Number" on page 1480

11.4.3.2.6.7.6 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Current amount in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

11.4.3.2.6.7.7 FlowTotals <FlowTtls>

Presence: [0..*]

Definition: Counters of media inside the cassette.

FlowTotals <FlowTtls> contains the following **ATMCassetteCounters5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		225
	AddedNumber <AddedNb>	[0..1]	Quantity		225
	RemovedNumber <RmvdNb>	[0..1]	Quantity		226
	RemovedAmount <RmvdAmt>	[0..1]	Amount		226
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		226
	DepositedNumber <DpstdNb>	[0..1]	Quantity		226
	DepositedAmount <DpstdAmt>	[0..1]	Amount		226
	RecycledNumber <RcycldNb>	[0..1]	Quantity		226
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		226
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		226
	RejectedNumber <RjctdNb>	[0..1]	Quantity		227
	PresentedNumber <PresntdNb>	[0..1]	Quantity		227
	InitialNumber <InitlNb>	[0..1]	Quantity		227
	InitialAmount <InitlAmt>	[0..1]	Amount		227

11.4.3.2.6.7.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of counters.

Datatype: "ATMCounterType3Code" on page 1443

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

11.4.3.2.6.7.7.2 AddedNumber <AddedNb>

Presence: [0..1]

Definition: Number of added media during servicing operations.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.3 RemovedNumber <RmvdNb>

Presence: [0..1]

Definition: Number of removed media during servicing operations.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.4 RemovedAmount <RmvdAmt>

Presence: [0..1]

Definition: Amount of removed media during servicing operations.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

11.4.3.2.6.7.7.5 DispensedNumber <DspnsdNb>

Presence: [0..1]

Definition: Total number of media out of the cassette.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.6 DepositedNumber <DpstdNb>

Presence: [0..1]

Definition: Total number of media deposited in the cassette.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.7 DepositedAmount <DpstdAmt>

Presence: [0..1]

Definition: Amount of media deposited in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

11.4.3.2.6.7.7.8 RecycledNumber <RcycldNb>

Presence: [0..1]

Definition: Total number of recycled media from the cassette.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.9 RetractedNumber <RtrctdNb>

Presence: [0..1]

Definition: Total number of retracted media originating from the cassette.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.10 RetractedAmount <RtrctdAmt>

Presence: [0..1]

Definition: Total amount retracted during operation. Only intended to be used where each of the items in the cassette do not have the same value (for example for retracting checks).

Datatype: "ImpliedCurrencyAndAmount" on page 1431

11.4.3.2.6.7.7.11 RejectedNumber <RjctdNb>

Presence: [0..1]

Definition: Total number of media from this cassette which are on the reject bin.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.12 PresentedNumber <PresntdNb>

Presence: [0..1]

Definition: Total number of media presented to the customer.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.13 InitialNumber <InitlNb>

Presence: [0..1]

Definition: Initial number added during a servicing operation.

Datatype: "Number" on page 1480

11.4.3.2.6.7.7.14 InitialAmount <InitlAmt>

Presence: [0..1]

Definition: Initial amount added during a servicing operation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

11.4.3.2.6.8 CassetteStatus <CssttSts>

Presence: [0..1]

Definition: Status of the cassette. This element may not be provided if the status has not changed from the previous time the cassette information has been provided.

Datatype: "ATMCassetteStatus1Code" on page 1440

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

11.4.3.2.7 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		228
	Urgency <Urgcy>	[1..1]	CodeSet		228
	DateTime <DtTm>	[0..1]	DateTime		229
	CommandIdentification <CmdId>	[0..1]	±		229
	CommandParameters <CmdParams>	[0..1]	±		229

11.4.3.2.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

11.4.3.2.7.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

CodeName	Name	Definition
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.
ENCS	EndCustomerSession	After the end of the customer session.

11.4.3.2.7.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

11.4.3.2.7.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

11.4.3.2.7.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

11.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		230
	AuthenticatedData <AuthntcdData>	[1..1]	±		230

11.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

11.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

12 caam.011.001.02 ATMExceptionAdviceV02

12.1 MessageDefinition Functionality

The ATMExceptionAdvice message is sent by an ATM to an acquirer or its agent to inform of that an exception occurred outside a service.

Outline

The ATMExceptionAdviceV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMExceptionAdvice

Encrypted body of the message.

C. ATMExceptionAdvice

Information related to exceptions occurring on the ATM.

D. SecurityTrailer

Trailer of the message containing a MAC.

12.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMXcptnAdvc>	[1..1]			
	Header <Hdr>	[1..1]			235
	MessageFunction <MsgFctn>	[1..1]			236
	Function <Fctn>	[1..1]	CodeSet		236
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		238
	HostServiceCode <HstSvcCd>	[0..1]	Text		238
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		238
	ExchangeIdentification <XchgId>	[1..1]	Text		238
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		238
	CreationDateTime <CreDtTm>	[1..1]	DateTime		239
	InitiatingParty <InitgPty>	[1..1]	Text		239
	RecipientParty <RcptPty>	[0..1]	Text		239
	ProcessState <PrctStat>	[0..1]	Text		239
	Traceability <Tracblt>	[0..*]			239
	RelayIdentification <RlayId>	[1..1]	±		239
	SequenceNumber <SeqNb>	[0..1]	Text		240
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		240
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		240
	ProtectedATMExceptionAdvice <PrctcdATMXcptnAdvc>	[0..1]	±		240
	ATMExceptionAdvice <ATMXcptnAdvc>	[0..1]			240
	Environment <Envnt>	[0..1]			243
	Acquirer <Acqrr>	[0..1]	±		246
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		246
	HostingEntity <HstgNtty>	[0..1]	±		246
	ATM <ATM>	[1..1]			246
	Identification <Id>	[1..1]	Text		248
	AdditionalIdentification <AddtlId>	[0..1]	Text		248
	SequenceNumber <SeqNb>	[0..1]	Text		248
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	248
	Location <Lctn>	[0..1]			248

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		249
	StreetName <StrtNm>	[0..1]	Text		249
	BuildingNumber <BldgNb>	[0..1]	Text		249
	PostCode <PstCd>	[0..1]	Text		249
	TownName <TwnNm>	[1..1]	Text		250
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		250
	Country <Ctry>	[1..1]	CodeSet	C2	250
	GeoLocation <GLctn>	[0..1]			250
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			250
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251
Or}	UTMCoordinates <UTMCordints>	[1..1]			251
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		252
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		252
	Capabilities <Cpblties>	[0..1]	±		252
	Equipment <Eqpmnt>	[0..1]			253
	Manufacturer <Manfctr>	[0..1]	Text		254
	Model <Mdl>	[0..1]	Text		254
	SerialNumber <SrlNb>	[0..1]	Text		254
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		254
	ApplicationName <ApplNm>	[0..1]	Text		254
	ApplicationVersion <ApplVrsn>	[0..1]	Text		255
	ApprovalNumber <ApprvlNb>	[0..1]	Text		255
	ConfigurationParameter <CfgtnParam>	[0..*]			255
	Type <Tp>	[1..1]	CodeSet		255
	Version <Vrsn>	[1..1]	Text		256
	Customer <Cstmr>	[0..1]			256
	Profile <Prfl>	[0..1]			256
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		256

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		257
	CustomerIdentification <CstmrlId>	[0..1]	Text		257
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	257
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	257
	AuthenticationResult <AuthntcnRslt>	[1..*]			258
	Method <Mtd>	[1..1]	CodeSet		258
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		258
	Result <Rslt>	[0..1]	CodeSet		259
	AdditionalResult <AddtlRslt>	[0..1]	Text		259
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		259
	Card <Card>	[0..1]			259
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		260
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		261
	ProtectedCardData <PrctcdCardData>	[0..1]	±		261
	PlainCardData <PlainCardData>	[0..1]			261
	PAN <PAN>	[0..1]	Text		261
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		262
	EffectiveDate <FctvDt>	[0..1]	Text		262
	ExpiryDate <XpryDt>	[0..1]	Text		262
	Track1 <Trck1>	[0..1]	Text		262
	Track2 <Trck2>	[0..1]	Text		262
	Track3 <Trck3>	[0..1]	Text		262
	CardCountryCode <CardCtryCd>	[0..1]	Text		262
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		262
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	263
	Context <Cntxt>	[0..1]			263
	SessionReference <SsnRef>	[0..1]	Text		263
	Service <Svc>	[1..1]			263
	ServiceReference <SvcRef>	[0..1]	Text		264
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		264
	HostServiceCode <HstSvcCd>	[0..1]	Text		264

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		264
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		265
	Transaction <Tx>	[1..1]			265
	TransactionIdentification <TxId>	[0..1]	±		266
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		266
	Exception <Xcptn>	[1..*]	CodeSet		266
	ExceptionDetail <XcptnDtl>	[0..*]	Text		267
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	267
	SecurityTrailer <SctyTrlr>	[0..1]			267
	ContentType <CnttTp>	[1..1]	CodeSet		267
	AuthenticatedData <AuthntcdData>	[1..1]	±		268

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 Country

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

C3 ValidationByTable

Must be a valid terrestrial language.

C4 ValidationByTable

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

12.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

12.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			236
	Function <Fctn>	[1..1]	CodeSet		236
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		238
	HostServiceCode <HstSvcCd>	[0..1]	Text		238
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		238
	ExchangeIdentification <XchgId>	[1..1]	Text		238
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Quantity		238
	CreationDateTime <CreDtTm>	[1..1]	DateTime		239
	InitiatingParty <InitgPty>	[1..1]	Text		239
	RecipientParty <RcptPty>	[0..1]	Text		239
	ProcessState <PrcStat>	[0..1]	Text		239
	Traceability <Tracblt>	[0..*]			239
	RelayIdentification <RlayId>	[1..1]	±		239
	SequenceNumber <SeqNb>	[0..1]	Text		240
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		240
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		240

12.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		236
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		238
	HostServiceCode <HstSvcCd>	[0..1]	Text		238

12.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAP	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

12.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

12.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

12.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

12.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

12.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

12.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

12.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

12.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

12.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

12.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		239
	SequenceNumber <SeqNb>	[0..1]	Text		240
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		240
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		240

12.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

12.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

12.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

12.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

12.4.2 ProtectedATMExceptionAdvice <PrtctdATMXcptnAdv>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMExceptionAdvice <PrtctdATMXcptnAdv> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

12.4.3 ATMExceptionAdvice <ATMXcptnAdv>

Presence: [0..1]

Definition: Information related to exceptions occurring on the ATM.

ATMExceptionAdvice <ATMXcptnAdv> contains the following **ATMExceptionAdvice2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[0..1]			243
	Acquirer <Acqrr>	[0..1]	±		246
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		246
	HostingEntity <HstgNtty>	[0..1]	±		246
	ATM <ATM>	[1..1]			246
	Identification <Id>	[1..1]	Text		248
	AdditionalIdentification <AddtlId>	[0..1]	Text		248
	SequenceNumber <SeqNb>	[0..1]	Text		248
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	248
	Location <Lctn>	[0..1]			248
	AddressLine <AdrLine>	[0..2]	Text		249
	StreetName <StrtNm>	[0..1]	Text		249
	BuildingNumber <BldgNb>	[0..1]	Text		249
	PostCode <PstCd>	[0..1]	Text		249
	TownName <TwnNm>	[1..1]	Text		250
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		250
	Country <Ctry>	[1..1]	CodeSet	C2	250
	GeoLocation <GLctn>	[0..1]			250
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			250
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251
Or}	UTMCoordinates <UTMCordints>	[1..1]			251
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		252
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		252
	Capabilities <Cpblties>	[0..1]	±		252
	Equipment <Eqpmnt>	[0..1]			253
	Manufacturer <Manfctr>	[0..1]	Text		254
	Model <Mdl>	[0..1]	Text		254
	SerialNumber <SrINb>	[0..1]	Text		254

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationProvider <AppIPrvdr>	[0..1]	Text		254
	ApplicationName <AppINm>	[0..1]	Text		254
	ApplicationVersion <AppIVrsn>	[0..1]	Text		255
	ApprovalNumber <ApprvINb>	[0..1]	Text		255
	ConfigurationParameter <CfgrtnParam>	[0..*]			255
	Type <Tp>	[1..1]	CodeSet		255
	Version <Vrsn>	[1..1]	Text		256
	Customer <Cstmr>	[0..1]			256
	Profile <Prfl>	[0..1]			256
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		256
	ProfileReference <PrflRef>	[0..1]	Text		257
	CustomerIdentification <CstmrlId>	[0..1]	Text		257
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	257
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	257
	AuthenticationResult <AuthntcnRslt>	[1..*]			258
	Method <Mtd>	[1..1]	CodeSet		258
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		258
	Result <Rslt>	[0..1]	CodeSet		259
	AdditionalResult <AddtlRslt>	[0..1]	Text		259
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		259
	Card <Card>	[0..1]			259
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		260
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		261
	ProtectedCardData <PrctcdCardData>	[0..1]	±		261
	PlainCardData <PlainCardData>	[0..1]			261
	PAN <PAN>	[0..1]	Text		261
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		262
	EffectiveDate <FctvDt>	[0..1]	Text		262
	ExpiryDate <XpryDt>	[0..1]	Text		262
	Track1 <Trck1>	[0..1]	Text		262
	Track2 <Trck2>	[0..1]	Text		262

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Track3 <Trck3>	[0..1]	Text		262
	CardCountryCode <CardCtryCd>	[0..1]	Text		262
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		262
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	263
	Context <Cntxt>	[0..1]			263
	SessionReference <SsnRef>	[0..1]	Text		263
	Service <Svc>	[1..1]			263
	ServiceReference <SvcRef>	[0..1]	Text		264
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		264
	HostServiceCode <HstSvcCd>	[0..1]	Text		264
	ServiceType <SvcTp>	[1..1]	CodeSet		264
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		265
	Transaction <Tx>	[1..1]			265
	TransactionIdentification <TxId>	[0..1]	±		266
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		266
	Exception <Xcptn>	[1..*]	CodeSet		266
	ExceptionDetail <XcptnDtl>	[0..*]	Text		267
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	267

12.4.3.1 Environment <Envt>

Presence: [0..1]

Definition: Environment of the exception.

Environment <Envt> contains the following **ATMEnvironment20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		246
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		246
	HostingEntity <HstgNtty>	[0..1]	±		246
	ATM <ATM>	[1..1]			246
	Identification <Id>	[1..1]	Text		248
	AdditionalIdentification <AddtlId>	[0..1]	Text		248
	SequenceNumber <SeqNb>	[0..1]	Text		248
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	248
	Location <Lctn>	[0..1]			248
	AddressLine <AdrLine>	[0..2]	Text		249
	StreetName <StrtNm>	[0..1]	Text		249
	BuildingNumber <BldgNb>	[0..1]	Text		249
	PostCode <PstCd>	[0..1]	Text		249
	TownName <TwnNm>	[1..1]	Text		250
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		250
	Country <Ctry>	[1..1]	CodeSet	C2	250
	GeoLocation <GLctn>	[0..1]			250
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			250
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251
Or}	UTMCoordinates <UTMCordints>	[1..1]			251
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		252
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		252
	Capabilities <Cpblties>	[0..1]	±		252
	Equipment <Eqpmnt>	[0..1]			253
	Manufacturer <Manfctr>	[0..1]	Text		254
	Model <Mdl>	[0..1]	Text		254
	SerialNumber <SrlNb>	[0..1]	Text		254
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		254

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		254
	ApplicationVersion <AppIVrsn>	[0..1]	Text		255
	ApprovalNumber <ApprvINb>	[0..1]	Text		255
	ConfigurationParameter <CfgtnParam>	[0..*]			255
	Type <Tp>	[1..1]	CodeSet		255
	Version <Vrsn>	[1..1]	Text		256
	Customer <Cstmr>	[0..1]			256
	Profile <Prfl>	[0..1]			256
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		256
	ProfileReference <PrflRef>	[0..1]	Text		257
	CustomerIdentification <CstmrlId>	[0..1]	Text		257
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	257
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	257
	AuthenticationResult <AuthntcnRslt>	[1..*]			258
	Method <Mtd>	[1..1]	CodeSet		258
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		258
	Result <Rslt>	[0..1]	CodeSet		259
	AdditionalResult <AddtlRslt>	[0..1]	Text		259
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		259
	Card <Card>	[0..1]			259
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		260
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		261
	ProtectedCardData <PrtctdCardData>	[0..1]	±		261
	PlainCardData <PlainCardData>	[0..1]			261
	PAN <PAN>	[0..1]	Text		261
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		262
	EffectiveDate <FctvDt>	[0..1]	Text		262
	ExpiryDate <XpryDt>	[0..1]	Text		262
	Track1 <Trck1>	[0..1]	Text		262
	Track2 <Trck2>	[0..1]	Text		262
	Track3 <Trck3>	[0..1]	Text		262

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardCountryCode <CardCtryCd>	[0..1]	Text		262
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		262
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	263

12.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

12.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

12.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see ["TerminalHosting1"](#) on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

12.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		248
	AdditionalIdentification <AddtlId>	[0..1]	Text		248
	SequenceNumber <SeqNb>	[0..1]	Text		248
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	248
	Location <Lctn>	[0..1]			248
	AddressLine <AdrLine>	[0..2]	Text		249
	StreetName <StrtNm>	[0..1]	Text		249
	BuildingNumber <BldgNb>	[0..1]	Text		249
	PostCode <PstCd>	[0..1]	Text		249
	TownName <TwnNm>	[1..1]	Text		250
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		250
	Country <Ctry>	[1..1]	CodeSet	C2	250
	GeoLocation <GLctn>	[0..1]			250
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			250
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251
Or}	UTMCoordinates <UTMCordints>	[1..1]			251
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		252
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		252
	Capabilities <Cpblties>	[0..1]	±		252
	Equipment <Eqpmnt>	[0..1]			253
	Manufacturer <Manfctr>	[0..1]	Text		254
	Model <Mdl>	[0..1]	Text		254
	SerialNumber <SrlNb>	[0..1]	Text		254
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		254
	ApplicationName <ApplNm>	[0..1]	Text		254
	ApplicationVersion <ApplVrsn>	[0..1]	Text		255
	ApprovalNumber <ApprvlNb>	[0..1]	Text		255
	ConfigurationParameter <CfgrtnParam>	[0..*]			255

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		255
	Version <Vrsn>	[1..1]	Text		256

12.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

12.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		249
	StreetName <StrtNm>	[0..1]	Text		249
	BuildingNumber <BldgNb>	[0..1]	Text		249
	PostCode <PstCd>	[0..1]	Text		249
	TownName <TwnNm>	[1..1]	Text		250
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		250
	Country <Ctry>	[1..1]	CodeSet	C2	250
	GeoLocation <GLctn>	[0..1]			250
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			250
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251
Or}	UTMCoordinates <UTMCordints>	[1..1]			251
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		252

12.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

12.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

12.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

12.4.3.1.4.5.4 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 1482

12.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C2 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

12.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			250
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251
Or}	UTMCoordinates <UTMCordints>	[1..1]			251
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		252

12.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		251
	Longitude <Long>	[1..1]	Text		251

12.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

12.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

12.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		251
	UTMEastward <UTMEstwr>	[1..1]	Quantity		251
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		252

12.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

12.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

12.4.3.1.4.5.8.2.3 UTMNorthward <UTMNrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

12.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

12.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntractvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

12.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		254
	Model <Mdl>	[0..1]	Text		254
	SerialNumber <SrINb>	[0..1]	Text		254
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		254
	ApplicationName <ApplNm>	[0..1]	Text		254
	ApplicationVersion <ApplVrsn>	[0..1]	Text		255
	ApprovalNumber <ApprvINb>	[0..1]	Text		255
	ConfigurationParameter <CfgtnParam>	[0..*]			255
	Type <Tp>	[1..1]	CodeSet		255
	Version <Vrsn>	[1..1]	Text		256

12.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

12.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		255
	Version <Vrsn>	[1..1]	Text		256

12.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

12.4.3.1.4.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

12.4.3.1.5 Customer <Cstmr>

Presence: [0..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			256
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		256
	ProfileReference <PrflRef>	[0..1]	Text		257
	CustomerIdentification <CstmrlId>	[0..1]	Text		257
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	257
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	257
	AuthenticationResult <AuthntcnRslt>	[1..*]			258
	Method <Mtd>	[1..1]	CodeSet		258
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		258
	Result <Rslt>	[0..1]	CodeSet		259
	AdditionalResult <AddtlRslt>	[0..1]	Text		259
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		259

12.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the service.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		256
	ProfileReference <PrflRef>	[0..1]	Text		257
	CustomerIdentification <CstmrlId>	[0..1]	Text		257
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	257

12.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

12.4.3.1.5.1.2 ProfileReference <PrfIRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

12.4.3.1.5.1.3 CustomerIdentification <CstmrId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

12.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

12.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

12.4.3.1.5.3 AuthenticationResult <AuthntcnRslt>

Presence: [1..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		258
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		258
	Result <Rslt>	[0..1]	CodeSet		259
	AdditionalResult <AddtlRslt>	[0..1]	Text		259
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		259

12.4.3.1.5.3.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

12.4.3.1.5.3.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

12.4.3.1.5.3.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

12.4.3.1.5.3.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

12.4.3.1.5.3.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

12.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard37** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		260
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		261
	ProtectedCardData <PrctcdCardData>	[0..1]	±		261
	PlainCardData <PlainCardData>	[0..1]			261
	PAN <PAN>	[0..1]	Text		261
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		262
	EffectiveDate <FctvDt>	[0..1]	Text		262
	ExpiryDate <XpryDt>	[0..1]	Text		262
	Track1 <Trck1>	[0..1]	Text		262
	Track2 <Trck2>	[0..1]	Text		262
	Track3 <Trck3>	[0..1]	Text		262
	CardCountryCode <CardCtryCd>	[0..1]	Text		262
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		262
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	263

12.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode that used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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).

12.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicate the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

12.4.3.1.6.3 ProtectedCardData <PrctcdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrctcdCardData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

12.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		261
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		262
	EffectiveDate <FctvDt>	[0..1]	Text		262
	ExpiryDate <XpryDt>	[0..1]	Text		262
	Track1 <Trck1>	[0..1]	Text		262
	Track2 <Trck2>	[0..1]	Text		262
	Track3 <Trck3>	[0..1]	Text		262

12.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

12.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

12.4.3.1.6.4.3 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 1482

12.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

12.4.3.1.6.4.5 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 1485

12.4.3.1.6.4.6 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 1483

12.4.3.1.6.4.7 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 1481

12.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

12.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

12.4.3.1.6.7 ElectronicPurseBalance <ElctrncPrsBal>

Presence: [0..1]

Definition: Balance of the captured card or epurse if available.

Impacted by: C4 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

12.4.3.2 Context <Cntxt>

Presence: [0..1]

Definition: Context of the exception.

Context <Cntxt> contains the following **ATMContext25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		263
	Service <Svc>	[1..1]			263
	ServiceReference <SvcRef>	[0..1]	Text		264
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		264
	HostServiceCode <HstSvcCd>	[0..1]	Text		264
	ServiceType <SvcTp>	[1..1]	CodeSet		264
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		265

12.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the exception occurred.

Datatype: "Max35Text" on page 1483

12.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService27** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		264
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		264
	HostServiceCode <HstSvcCd>	[0..1]	Text		264
	ServiceType <SvcTp>	[1..1]	CodeSet		264
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		265

12.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

12.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

12.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

12.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of service selected by the customer.

Datatype: "ATMServiceType11Code" on page 1448

CodeName	Name	Definition
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
TRFP	Payment	Funds transfer to pay a third party.
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
CDVF	CardVerification	Verification of the card.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.

CodeName	Name	Definition
CMPF	CustomerProfile	Ask for customer profile with eventually related account information.
DCCS	DynamicCurrencyConversion	Ask to a DCC service provider to qualify the currency conversion for the card.
XRTD	ExchangeRateDeposit	Ask for exchange rate for the ongoing deposit transaction.
XRTW	ExchangeRateWithdrawal	Ask for exchange rate for the ongoing withdrawal transaction.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre- authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre- defined by the customer profile.
EMVS	SelectEMVApplication	Select the EMV applications allowed by the acquirer.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
ACCD	AccountDownload	Download accounts associated to the customer card.
MINI	MiniStatement	Request a mini-statement (i.e. partial statement) related to a customer account.

12.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

12.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Transaction for which the exception is sent.

Transaction <Tx> contains the following **ATMTransaction40** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[0..1]	±		266
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		266
	Exception <Xcptn>	[1..*]	CodeSet		266
	ExceptionDetail <XcptnDtl>	[0..*]	Text		267
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	267

12.4.3.3.1 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

12.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period.

Datatype: ["Max35Text"](#) on page 1483

12.4.3.3.3 Exception <Xcptn>

Presence: [1..*]

Definition: Exception occurring outside the service.

Datatype: ["FailureReason8Code"](#) on page 1462

CodeName	Name	Definition
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CDCP	CardCaptured	ATM manager has requested to capture the card.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
MALF	Malfunction	Suspected malfunction.

CodeName	Name	Definition
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
UCPT	UnableToCapture	Unable to capture the card as requested.

12.4.3.3.4 ExceptionDetail <XcptnDtl>

Presence: [0..*]

Definition: Explanation of the exception.

Datatype: "Max70Text" on page 1485

12.4.3.3.5 ElectronicPurseBalance <ElctrncPrsBal>

Presence: [0..1]

Definition: Balance of the captured card or epurse if available.

Impacted by: C4 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

12.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		267
	AuthenticatedData <AuthntcdData>	[1..1]	±		268

12.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).

CodeName	Name	Definition
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).

12.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on [page 1407](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

13 caam.012.001.02 ATMExceptionAcknowledgementV02

13.1 MessageDefinition Functionality

The ATMExceptionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMExceptionAdvice message.

Outline

The ATMExceptionAcknowledgementV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMExceptionAcknowledgement
Encrypted body of the message.
- C. ATMExceptionAcknowledgement
Information related to the acknowledgement of an ATM exception.
- D. SecurityTrailer
Trailer of the message containing a MAC.

13.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMXcptnAck>	[1..1]			
	Header <Hdr>	[1..1]			271
	MessageFunction <MsgFctn>	[1..1]			272
	Function <Fctn>	[1..1]	CodeSet		272
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		274
	HostServiceCode <HstSvcCd>	[0..1]	Text		274
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		274
	ExchangeIdentification <XchgId>	[1..1]	Text		274
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		274
	CreationDateTime <CreDtTm>	[1..1]	DateTime		275
	InitiatingParty <InitgPty>	[1..1]	Text		275
	RecipientParty <RcptPty>	[0..1]	Text		275
	ProcessState <PrclStat>	[0..1]	Text		275
	Traceability <Tracblt>	[0..*]			275
	RelayIdentification <RlayId>	[1..1]	±		275
	SequenceNumber <SeqNb>	[0..1]	Text		276
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		276
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		276
	ProtectedATMExceptionAcknowledgement <PrctcdATMXcptnAck>	[0..1]	±		276
	ATMExceptionAcknowledgement <ATMXcptnAck>	[0..1]			276
	ATM <ATM>	[1..1]	±		277
	Context <Cntxt>	[1..1]			278
	SessionReference <SsnRef>	[0..1]	Text		279
	Service <Svc>	[1..1]			279
	ServiceReference <SvcRef>	[0..1]	Text		279
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		279
	HostServiceCode <HstSvcCd>	[0..1]	Text		280
	ServiceType <SvcTp>	[1..1]	CodeSet		280
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		281

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transaction <Tx>	[1..1]			281
	TransactionIdentification <TxId>	[0..1]	±		281
	Response <Rspn>	[1..1]	CodeSet		282
	Command <Cmd>	[0..*]			282
	Type <Tp>	[1..1]	CodeSet		282
	Urgency <Urgcy>	[1..1]	CodeSet		283
	DateTime <DtTm>	[0..1]	DateTime		283
	CommandIdentification <CmdId>	[0..1]	±		283
	CommandParameters <CmdParams>	[0..1]	±		283
	SecurityTrailer <SctyTrlr>	[0..1]			284
	ContentType <CnttTp>	[1..1]	CodeSet		284
	AuthenticatedData <AuthntcdData>	[1..1]	±		284

13.3 Constraints

C1 Country

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

13.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

13.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			272
	Function <Fctn>	[1..1]	CodeSet		272
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		274
	HostServiceCode <HstSvcCd>	[0..1]	Text		274
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		274
	ExchangeIdentification <XchgId>	[1..1]	Text		274
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		274
	CreationDateTime <CreDtTm>	[1..1]	DateTime		275
	InitiatingParty <InitgPty>	[1..1]	Text		275
	RecipientParty <RcptPty>	[0..1]	Text		275
	ProcessState <PrcStat>	[0..1]	Text		275
	Traceability <Tracblt>	[0..*]			275
	RelayIdentification <RlayId>	[1..1]	±		275
	SequenceNumber <SeqNb>	[0..1]	Text		276
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		276
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		276

13.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		272
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		274
	HostServiceCode <HstSvcCd>	[0..1]	Text		274

13.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

13.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

13.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

13.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

13.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

13.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

13.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

13.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

13.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

13.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

13.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		275
	SequenceNumber <SeqNb>	[0..1]	Text		276
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		276
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		276

13.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

13.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

13.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

13.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

13.4.2 ProtectedATMExceptionAcknowledgement <PrtctdATMXcptnAck>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMExceptionAcknowledgement <PrtctdATMXcptnAck> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

13.4.3 ATMExceptionAcknowledgement <ATMXcptnAck>

Presence: [0..1]

Definition: Information related to the acknowledgement of an ATM exception.

ATMExceptionAcknowledgement <ATMXcptnAck> contains the following
ATMExceptionAcknowledgement2 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ATM <ATM>	[1..1]	±		277
	Context <Cntxt>	[1..1]			278
	SessionReference <SsnRef>	[0..1]	Text		279
	Service <Svc>	[1..1]			279
	ServiceReference <SvcRef>	[0..1]	Text		279
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		279
	HostServiceCode <HstSvcCd>	[0..1]	Text		280
	ServiceType <SvcTp>	[1..1]	CodeSet		280
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		281
	Transaction <Tx>	[1..1]			281
	TransactionIdentification <TxId>	[0..1]	±		281
	Response <Rspn>	[1..1]	CodeSet		282
	Command <Cmd>	[0..*]			282
	Type <Tp>	[1..1]	CodeSet		282
	Urgency <Urgcy>	[1..1]	CodeSet		283
	DateTime <DtTm>	[0..1]	DateTime		283
	CommandIdentification <CmdId>	[0..1]	±		283
	CommandParameters <CmdParams>	[0..1]	±		283

13.4.3.1 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

13.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed, if any.

Context <Cntxt> contains the following **ATMContext25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		279
	Service <Svc>	[1..1]			279
	ServiceReference <SvcRef>	[0..1]	Text		279
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		279
	HostServiceCode <HstSvcCd>	[0..1]	Text		280
	ServiceType <SvcTp>	[1..1]	CodeSet		280
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		281

13.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the exception occurred.

Datatype: "Max35Text" on page 1483

13.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService27** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		279
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		279
	HostServiceCode <HstSvcCd>	[0..1]	Text		280
	ServiceType <SvcTp>	[1..1]	CodeSet		280
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		281

13.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

13.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

13.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

13.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of service selected by the customer.

Datatype: "ATMServiceType11Code" on page 1448

CodeName	Name	Definition
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
TRFP	Payment	Funds transfer to pay a third party.
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
CDVF	CardVerification	Verification of the card.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
CMPF	CustomerProfile	Ask for customer profile with eventually related account information.
DCCS	DynamicCurrencyConversion	Ask to a DCC service provider to qualify the currency conversion for the card.
XRTD	ExchangeRateDeposit	Ask for exchange rate for the ongoing deposit transaction.
XRTW	ExchangeRateWithdrawal	Ask for exchange rate for the ongoing withdrawal transaction.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.

CodeName	Name	Definition
EMVS	SelectEMVApplication	Select the EMV applications allowed by the acquirer.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
ACCD	AccountDownload	Download accounts associated to the customer card.
MINI	MiniStatement	Request a mini-statement (i.e. partial statement) related to a customer account.

13.4.3.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

13.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Acknowledgement of the exception advice.

Transaction <Tx> contains the following **ATMTransaction41** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[0..1]	±		281
	Response <Rspn>	[1..1]	CodeSet		282
	Command <Cmd>	[0..*]			282
	Type <Tp>	[1..1]	CodeSet		282
	Urgency <Urgcy>	[1..1]	CodeSet		283
	DateTime <DtTm>	[0..1]	DateTime		283
	CommandIdentification <CmdId>	[0..1]	±		283
	CommandParameters <CmdParams>	[0..1]	±		283

13.4.3.3.1 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

13.4.3.3.2 Response <Rspn>

Presence: [1..1]

Definition: Response to the advice.

Datatype: "Response2Code" on page 1472

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.

13.4.3.3.3 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		282
	Urgency <Urgcy>	[1..1]	CodeSet		283
	DateTime <DtTm>	[0..1]	DateTime		283
	CommandIdentification <CmdId>	[0..1]	±		283
	CommandParameters <CmdParams>	[0..1]	±		283

13.4.3.3.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.

CodeName	Name	Definition
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

13.4.3.3.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

13.4.3.3.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

13.4.3.3.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

13.4.3.3.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

13.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		284
	AuthenticatedData <AuthntcdData>	[1..1]	±		284

13.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

13.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

14 caam.013.001.01 ATMConfigurationReportV01

14.1 MessageDefinition Functionality

The ATMConfigurationReport is sent by an ATM to a maintenance host to report the version of the configuration which is active.

Outline

The ATMConfigurationReportV01 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMConfigurationReport
Enciphered body of the message.
- C. ATMConfigurationReport
Information related to a configuration report of an ATM device.
- D. SecurityTrailer
Trailer of the message containing a MAC or a digital signature.

14.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMCfgtnRpt>	[1..1]			
	Header <Hdr>	[1..1]			288
	MessageFunction <MsgFctn>	[1..1]			289
	Function <Fctn>	[1..1]	CodeSet		289
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		290
	HostServiceCode <HstSvcCd>	[0..1]	Text		290
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		290
	ExchangeIdentification <XchgId>	[1..1]	Text		291
	CreationDateTime <CreDtTm>	[1..1]	DateTime		291
	InitiatingParty <InitgPty>	[1..1]	Text		291
	RecipientParty <RcptPty>	[0..1]	Text		291
	ProcessState <PrcStat>	[0..1]	Text		291
	Traceability <Tracblt>	[0..*]			291
	RelayIdentification <RlayId>	[1..1]	±		292
	SequenceNumber <SeqNb>	[0..1]	Text		292
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		292
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		292
	ProtectedATMConfigurationReport <PrctcdATMCfgtnRpt>	[0..1]	±		292
	ATMConfigurationReport <ATMCfgtnRpt>	[0..1]			293
	Environment <Envt>	[1..1]			293
	Acquirer <Acqrr>	[0..1]	±		293
	ATMManager <ATMMgr>	[0..1]	±		294
	HostingEntity <HstgNtty>	[0..1]	±		294
	ATM <ATM>	[1..1]	±		294
	ActiveVersion <ActvVrsn>	[0..1]	Text		295
	NonActiveVersion <NonActvVrsn>	[0..*]			295
	ConfigurationVersion <CfgtnVrsn>	[1..1]	Text		296
	ConfigurationStatus <CfgtnSts>	[1..1]	CodeSet		296
	FailReason <FailRsn>	[0..1]	Text		296
	SecurityTrailer <SctyTrlr>	[0..1]			296

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		296
	AuthenticatedData <AuthntcdData>	[1..1]	±		297

14.3 Constraints

C1 Country

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

14.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

14.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			289
	Function <Fctn>	[1..1]	CodeSet		289
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		290
	HostServiceCode <HstSvcCd>	[0..1]	Text		290
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		290
	ExchangeIdentification <XchgId>	[1..1]	Text		291
	CreationDateTime <CreDtTm>	[1..1]	DateTime		291
	InitiatingParty <InitgPty>	[1..1]	Text		291
	RecipientParty <RcptPty>	[0..1]	Text		291
	ProcessState <PrcStat>	[0..1]	Text		291
	Traceability <Tracblt>	[0..*]			291
	RelayIdentification <RlayId>	[1..1]	±		292
	SequenceNumber <SeqNb>	[0..1]	Text		292
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		292
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		292

14.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		289
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		290
	HostServiceCode <HstSvcCd>	[0..1]	Text		290

14.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.

CodeName	Name	Definition
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

14.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

14.4.1.1.3 HstSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

14.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

14.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

14.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

14.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

14.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

14.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

14.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		292
	SequenceNumber <SeqNb>	[0..1]	Text		292
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		292
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		292

14.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

14.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

14.4.1.8.3 TraceDateTimeln <TracDtTmIn>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

14.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

14.4.2 ProtectedATMConfigurationReport <PrtctdATMCfgtnRpt>

Presence: [0..1]

Definition: Enciphered body of the message.

ProtectedATMConfigurationReport <PrtctdATMCfgtnRpt> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

14.4.3 ATMConfigurationReport <ATMCfgtnRpt>

Presence: [0..1]

Definition: Information related to a configuration report of an ATM device.

ATMConfigurationReport <ATMCfgtnRpt> contains the following **ATMConfigurationReportComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			293
	Acquirer <Acqrr>	[0..1]	±		293
	ATMManager <ATMMgr>	[0..1]	±		294
	HostingEntity <HstgNtty>	[0..1]	±		294
	ATM <ATM>	[1..1]	±		294
	ActiveVersion <ActvVrsn>	[0..1]	Text		295
	NonActiveVersion <NonActvVrsn>	[0..*]			295
	ConfigurationVersion <CfgtnVrsn>	[1..1]	Text		296
	ConfigurationStatus <CfgtnSts>	[1..1]	CodeSet		296
	FailReason <FailRsn>	[0..1]	Text		296

14.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		293
	ATMManager <ATMMgr>	[0..1]	±		294
	HostingEntity <HstgNtty>	[0..1]	±		294
	ATM <ATM>	[1..1]	±		294

14.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

14.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "Acquirer8" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

14.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

14.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

14.4.3.2 ActiveVersion <ActvVrsn>

Presence: [0..1]

Definition: The configuration version which is active on the terminal.

Datatype: "Max35Text" on page 1483

14.4.3.3 NonActiveVersion <NonActvVrsn>

Presence: [0..*]

Definition: Configuration versions which are not active on the terminal.

NonActiveVersion <NonActvVrsn> contains the following **ATMVersionReport1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ConfigurationVersion <CfgtnVrsn>	[1..1]	Text		296
	ConfigurationStatus <CfgtnSts>	[1..1]	CodeSet		296
	FailReason <FailRsn>	[0..1]	Text		296

14.4.3.3.1 ConfigurationVersion <CfgtnVrsn>

Presence: [1..1]

Definition: The non-active configuration version which is being reported.

Datatype: "Max35Text" on page 1483

14.4.3.3.2 ConfigurationStatus <CfgtnSts>

Presence: [1..1]

Definition: The status of the non-active configuration. This can be either: 'Fail' (i.e. the configuration update has failed), or 'AwaitingActivation' (i.e. the configuration download was successful and is now awaiting a future activation date).

Datatype: "ActivationStatus2Code" on page 1434

CodeName	Name	Definition
WACT	AwaitingActivation	The configuration download was successful and is now awaiting a future activation date.
FAIL	Fail	The configuration update has failed.

14.4.3.3.3 FailReason <FailRsn>

Presence: [0..1]

Definition: The reason a configuration update has failed on the terminal.

Datatype: "Max70Text" on page 1485

14.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		296
	AuthenticatedData <AuthntcdData>	[1..1]	±		297

14.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

14.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

15 caam.014.001.01 ATMConfigurationControlV01

15.1 MessageDefinition Functionality

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Outline

The ATMConfigurationControlV01 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMConfigurationControl

Enciphered body of the message.

C. ATMConfigurationControl

Information related to the control of a configuration on ATM device.

D. 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> <ATMCfgtnCtrl>	[1..1]			
	Header <Hdr>	[1..1]			300
	MessageFunction <MsgFctn>	[1..1]			301
	Function <Fctn>	[1..1]	CodeSet		301
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		303
	HostServiceCode <HstSvcCd>	[0..1]	Text		303
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		303
	ExchangeIdentification <XchgId>	[1..1]	Text		303
	CreationDateTime <CreDtTm>	[1..1]	DateTime		303
	InitiatingParty <InitgPty>	[1..1]	Text		303
	RecipientParty <RcptPty>	[0..1]	Text		304
	ProcessState <PrcStat>	[0..1]	Text		304
	Traceability <Tracblt>	[0..*]			304
	RelayIdentification <RlayId>	[1..1]	±		304
	SequenceNumber <SeqNb>	[0..1]	Text		304
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		305
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		305
	ProtectedATMConfigurationControl <PrtctdATMCfgtnCtrl>	[0..1]	±		305
	ATMConfigurationControl <ATMCfgtnCtrl>	[0..1]			305
	Environment <Envt>	[1..1]			306
	Acquirer <Acqrr>	[0..1]	±		306
	ATMManager <ATMMgr>	[0..1]	±		307
	HostingEntity <HstgNtty>	[0..1]	±		307
	ATM <ATM>	[1..1]	±		307
	ConfigurationVersion <CfgtnVrsn>	[0..1]	Text		308
	ActionRequired <ActnReqrd>	[1..1]	CodeSet		308
	Property <Prpty>	[0..*]			309
	PropertyName <PrptyNm>	[1..1]	Text		309
	PropertyType <PrptyTp>	[0..1]	CodeSet		309
	PropertyValue <PrptyVal>	[1..1]	Text		309

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ActivationDate <ActvtnDt>	[0..1]	DateTime		309
	SecurityTrailer <SctyTrlr>	[0..1]			310
	ContentType <CnttTp>	[1..1]	CodeSet		310
	AuthenticatedData <AuthntcdData>	[1..1]	±		310

15.3 Constraints

C1 Country

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

15.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

15.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			301
	Function <Fctn>	[1..1]	CodeSet		301
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		303
	HostServiceCode <HstSvcCd>	[0..1]	Text		303
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		303
	ExchangeIdentification <XchgId>	[1..1]	Text		303
	CreationDateTime <CreDtTm>	[1..1]	DateTime		303
	InitiatingParty <InitgPty>	[1..1]	Text		303
	RecipientParty <RcptPty>	[0..1]	Text		304
	ProcessState <PrcStat>	[0..1]	Text		304
	Traceability <Tracblt>	[0..*]			304
	RelayIdentification <RlayId>	[1..1]	±		304
	SequenceNumber <SeqNb>	[0..1]	Text		304
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		305
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		305

15.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		301
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		303
	HostServiceCode <HstSvcCd>	[0..1]	Text		303

15.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

15.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

15.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

15.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

15.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

15.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

15.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

15.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

15.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

15.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following Traceability4 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		304
	SequenceNumber <SeqNb>	[0..1]	Text		304
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		305
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		305

15.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

15.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

15.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

15.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

15.4.2 ProtectedATMConfigurationControl <PrtctdATMCfgtnCtrl>

Presence: [0..1]

Definition: Enciphered body of the message.

ProtectedATMConfigurationControl <PrtctdATMCfgtnCtrl> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

15.4.3 ATMConfigurationControl <ATMCfgtnCtrl>

Presence: [0..1]

Definition: Information related to the control of a configuration on ATM device.

ATMConfigurationControl <ATMCfgtnCtrl> contains the following
ATMConfigurationControlComponent1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			306
	Acquirer <Acqrr>	[0..1]	±		306
	ATMManager <ATMMgr>	[0..1]	±		307
	HostingEntity <HstgNtty>	[0..1]	±		307
	ATM <ATM>	[1..1]	±		307
	ConfigurationVersion <CfgtnVrsn>	[0..1]	Text		308
	ActionRequired <ActnReqrd>	[1..1]	CodeSet		308
	Property <Prprty>	[0..*]			309
	PropertyName <PrprtyNm>	[1..1]	Text		309
	PropertyType <PrprtyTp>	[0..1]	CodeSet		309
	PropertyValue <PrprtyVal>	[1..1]	Text		309
	ActivationDate <ActvtnDt>	[0..1]	DateTime		309

15.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		306
	ATMManager <ATMMgr>	[0..1]	±		307
	HostingEntity <HstgNtty>	[0..1]	±		307
	ATM <ATM>	[1..1]	±		307

15.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

15.4.3.1.2 ATMMManager <ATMMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMMManager <ATMMMgr> contains the following elements (see "[Acquirer8](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

15.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

15.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

15.4.3.2 ConfigurationVersion <CfgrVrsn>

Presence: [0..1]

Definition: The configuration version which is being sent to the terminal.

Datatype: "Max35Text" on page 1483

15.4.3.3 ActionRequired <ActnReqrd>

Presence: [1..1]

Definition: The action which is required by the terminal on receipt of this configuration update. This will be one of: APLY (Apply) apply the configuration update, or NONE no configuration to be applied.

Datatype: "ATMAcctionType1Code" on page 1439

CodeName	Name	Definition
APLY	Apply	The received configuration must be applied.

CodeName	Name	Definition
NONE	None	There is no specific action required with the received configuration.

15.4.3.4 Property <Prprty>

Presence: [0..*]

Definition: Set of properties related to an ATM configuration.

Property <Prprty> contains the following **ATMPropertyComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PropertyName <PrprtyNm>	[1..1]	Text		309
	PropertyType <PrprtyTp>	[0..1]	CodeSet		309
	PropertyValue <PrprtyVal>	[1..1]	Text		309

15.4.3.4.1 PropertyName <PrprtyNm>

Presence: [1..1]

Definition: The name of the property to be update on the terminal.

Datatype: "Max70Text" on page 1485

15.4.3.4.2 PropertyType <PrprtyTp>

Presence: [0..1]

Definition: The type of the property. It will be one of: String, Number, Boolean, JSON, CSV (i.e. a CSV1 string representing a table of data).

Datatype: "ATMPropertyType1Code" on page 1447

CodeName	Name	Definition
STRG	String	The property is encoded as a String.
NMBR	Number	The property is encoded as a Number.
BOOL	Boolean	The property is encoded as a Boolean.
JSON	JSON	The property is encoded in JSON.
CSVF	CSV	The property is a CSV string representing a table of data.

15.4.3.4.3 PropertyValue <PrprtyVal>

Presence: [1..1]

Definition: The value to be assigned to the property.

Datatype: "Max2000Text" on page 1483

15.4.3.5 ActivationDate <ActvtnDt>

Presence: [0..1]

Definition: Date when the whole configuration is to be activated. If no activation date is provided, the activation must occur immediately.

Datatype: "ISODateTime" on page 1478

15.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		310
	AuthenticatedData <AuthntcdData>	[1..1]	±		310

15.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

15.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

16 caam.015.001.01 ATMReconciliationRequestV01

16.1 MessageDefinition Functionality

The ATMReconciliationRequest is sent by an ATM to a maintenance host to notify updates to the reconciliation counts.

Outline

The ATMReconciliationRequestV01 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMReconciliationRequest

Enciphered body of the message.

C. ATMReconciliationRequest

Information related to the reconciliation request from an ATM device.

D. SecurityTrailer

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

16.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMRcncltnReq>	[1..1]			
	Header <Hdr>	[1..1]			315
	MessageFunction <MsgFctn>	[1..1]			316
	Function <Fctn>	[1..1]	CodeSet		316
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		317
	HostServiceCode <HstSvcCd>	[0..1]	Text		317
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		317
	ExchangeIdentification <XchgId>	[1..1]	Text		318
	CreationDateTime <CreDtTm>	[1..1]	DateTime		318
	InitiatingParty <InitgPty>	[1..1]	Text		318
	RecipientParty <RcptPty>	[0..1]	Text		318
	ProcessState <PrcStat>	[0..1]	Text		318
	Traceability <Tracblt>	[0..*]			318
	RelayIdentification <RlayId>	[1..1]	±		319
	SequenceNumber <SeqNb>	[0..1]	Text		319
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		319
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		319
	ProtectedATMReconciliationRequest <PrtctdATMRcncltnReq>	[0..1]	±		319
	ATMReconciliationRequest <ATMRcncltnReq>	[0..1]			320
	Environment <Envnt>	[1..1]			322
	Acquirer <Acqrr>	[0..1]	±		322
	ATMManager <ATMMgr>	[0..1]	±		322
	HostingEntity <HstgNtty>	[0..1]	±		323
	ATM <ATM>	[1..1]	±		323
	Transaction <Tx>	[0..1]			324
	TypeOfOperation <TpOfOpr>	[1..1]	CodeSet		326
	TransactionIdentification <TxId>	[0..1]	±		326
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		326
	Cassette <Csstt>	[0..*]			326
	PhysicalIdentification <PhysId>	[0..1]	Text		328

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	LogicalIdentification <LogclId>	[1..1]	Text		328
	SerialNumber <SrlNb>	[0..1]	Text		328
	Type <Tp>	[1..1]	CodeSet		328
	SubType <SubTp>	[0..*]	CodeSet		328
	MediaType <MdiaTp>	[0..1]	CodeSet		329
	MediaCounters <MdiaCntrs>	[0..*]			329
	UnitValue <UnitVal>	[0..1]	Amount		330
	Currency <Ccy>	[0..1]	CodeSet	C1	330
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		331
	InitialCount <InitlCnt>	[0..1]	Quantity		331
	CurrentNumber <CurNb>	[1..1]	Quantity		331
	CurrentAmount <CurAmt>	[0..1]	Amount		331
	FlowTotals <FlowTtls>	[0..*]			331
	Type <Tp>	[1..1]	CodeSet		332
	AddedNumber <AddedNb>	[0..1]	Quantity		332
	RemovedNumber <RmvdNb>	[0..1]	Quantity		333
	RemovedAmount <RmvdAmt>	[0..1]	Amount		333
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		333
	DepositedNumber <DpstdNb>	[0..1]	Quantity		333
	DepositedAmount <DpstdAmt>	[0..1]	Amount		333
	RecycledNumber <RcycldNb>	[0..1]	Quantity		333
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		333
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		333
	RejectedNumber <RjctdNb>	[0..1]	Quantity		334
	PresentedNumber <PresntdNb>	[0..1]	Quantity		334
	InitialNumber <InitlNb>	[0..1]	Quantity		334
	InitialAmount <InitlAmt>	[0..1]	Amount		334
	CassetteStatus <CssttSts>	[0..1]	CodeSet		334
	SecurityTrailer <SctyTrlr>	[0..1]			335
	ContentType <CnttTp>	[1..1]	CodeSet		335
	AuthenticatedData <AuthntcdData>	[1..1]	±		335

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 Country

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

16.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

16.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			316
	Function <Fctn>	[1..1]	CodeSet		316
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		317
	HostServiceCode <HstSvcCd>	[0..1]	Text		317
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		317
	ExchangeIdentification <XchgId>	[1..1]	Text		318
	CreationDateTime <CreDtTm>	[1..1]	DateTime		318
	InitiatingParty <InitgPty>	[1..1]	Text		318
	RecipientParty <RcptPty>	[0..1]	Text		318
	ProcessState <PrcStat>	[0..1]	Text		318
	Traceability <Tracblt>	[0..*]			318
	RelayIdentification <RlayId>	[1..1]	±		319
	SequenceNumber <SeqNb>	[0..1]	Text		319
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		319
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		319

16.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		316
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		317
	HostServiceCode <HstSvcCd>	[0..1]	Text		317

16.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.

CodeName	Name	Definition
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

16.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

16.4.1.1.3 HostSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

16.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

16.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

16.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

16.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

16.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

16.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

16.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		319
	SequenceNumber <SeqNb>	[0..1]	Text		319
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		319
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		319

16.4.1.8.1 RelayIdentification <RlyId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

16.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

16.4.1.8.3 TraceDateTimeln <TracDtTmIn>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

16.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

16.4.2 ProtectedATMReconciliationRequest <PrtctdATMRcncltnReq>

Presence: [0..1]

Definition: Enciphered body of the message.

ProtectedATMReconciliationRequest <PrtctdATMRcncltnReq> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

16.4.3 **ATMReconciliationRequest <ATMRcncltnReq>**

Presence: [0..1]

Definition: Information related to the reconciliation request from an ATM device.

ATMReconciliationRequest <ATMRcncltnReq> contains the following
ATMReconciliationRequestComponent1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			322
	Acquirer <Acqrr>	[0..1]	±		322
	ATMManager <ATMMgr>	[0..1]	±		322
	HostingEntity <HstgNtty>	[0..1]	±		323
	ATM <ATM>	[1..1]	±		323
	Transaction <Tx>	[0..1]			324
	TypeOfOperation <TpOfOpr>	[1..1]	CodeSet		326
	TransactionIdentification <TxId>	[0..1]	±		326
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		326
	Cassette <Csstt>	[0..*]			326
	PhysicalIdentification <PhysId>	[0..1]	Text		328
	LogicalIdentification <LogclId>	[1..1]	Text		328
	SerialNumber <SrlNb>	[0..1]	Text		328
	Type <Tp>	[1..1]	CodeSet		328
	SubType <SubTp>	[0..*]	CodeSet		328
	MediaType <MdiaTp>	[0..1]	CodeSet		329
	MediaCounters <MdiaCntrs>	[0..*]			329
	UnitValue <UnitVal>	[0..1]	Amount		330
	Currency <Ccy>	[0..1]	CodeSet	C1	330
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		331
	InitialCount <InitlCnt>	[0..1]	Quantity		331
	CurrentNumber <CurNb>	[1..1]	Quantity		331
	CurrentAmount <CurAmt>	[0..1]	Amount		331
	FlowTotals <FlowTtls>	[0..*]			331
	Type <Tp>	[1..1]	CodeSet		332
	AddedNumber <AddedNb>	[0..1]	Quantity		332
	RemovedNumber <RmvdNb>	[0..1]	Quantity		333
	RemovedAmount <RmvdAmt>	[0..1]	Amount		333
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		333
	DepositedNumber <DpstdNb>	[0..1]	Quantity		333

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DepositedAmount <DpstAmt>	[0..1]	Amount		333
	RecycledNumber <RcycldNb>	[0..1]	Quantity		333
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		333
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		333
	RejectedNumber <RjctdNb>	[0..1]	Quantity		334
	PresentedNumber <PresntdNb>	[0..1]	Quantity		334
	InitialNumber <InitlNb>	[0..1]	Quantity		334
	InitialAmount <InitlAmt>	[0..1]	Amount		334
	CassetteStatus <CsstSts>	[0..1]	CodeSet		334

16.4.3.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **ATMEnvironment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		322
	ATMManager <ATMMgr>	[0..1]	±		322
	HostingEntity <HstgNtty>	[0..1]	±		323
	ATM <ATM>	[1..1]	±		323

16.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

16.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "[Acquirer8](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <AppVrsn>	[0..1]	Text		1319

16.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

16.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

16.4.3.2 Transaction <Tx>

Presence: [0..1]

Definition: Information of the reconciliation transaction.

Transaction <Tx> contains the following **ATMTransaction30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TypeOfOperation <TpOfOpr>	[1..1]	CodeSet		326
	TransactionIdentification <TxId>	[0..1]	±		326
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		326
	Cassette <Csstt>	[0..*]			326
	PhysicalIdentification <PhysId>	[0..1]	Text		328
	LogicalIdentification <LogclId>	[1..1]	Text		328
	SerialNumber <SrlNb>	[0..1]	Text		328
	Type <Tp>	[1..1]	CodeSet		328
	SubType <SubTp>	[0..*]	CodeSet		328
	MediaType <MdiaTp>	[0..1]	CodeSet		329
	MediaCounters <MdiaCntrs>	[0..*]			329
	UnitValue <UnitVal>	[0..1]	Amount		330
	Currency <Ccy>	[0..1]	CodeSet	C1	330
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		331
	InitialCount <InitlCnt>	[0..1]	Quantity		331
	CurrentNumber <CurNb>	[1..1]	Quantity		331
	CurrentAmount <CurAmt>	[0..1]	Amount		331
	FlowTotals <FlowTtls>	[0..*]			331
	Type <Tp>	[1..1]	CodeSet		332
	AddedNumber <AddedNb>	[0..1]	Quantity		332
	RemovedNumber <RmvdNb>	[0..1]	Quantity		333
	RemovedAmount <RmvdAmt>	[0..1]	Amount		333
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		333
	DepositedNumber <DpstdNb>	[0..1]	Quantity		333
	DepositedAmount <DpstdAmt>	[0..1]	Amount		333
	RecycledNumber <RcycldNb>	[0..1]	Quantity		333
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		333
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		333
	RejectedNumber <RjctdNb>	[0..1]	Quantity		334
	PresentedNumber <PresntdNb>	[0..1]	Quantity		334
	InitialNumber <InitlNb>	[0..1]	Quantity		334

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialAmount <InitlAmt>	[0..1]	Amount		334
	CassetteStatus <CssttSts>	[0..1]	CodeSet		334

16.4.3.2.1 TypeOfOperation <TpOfOpr>

Presence: [1..1]

Definition: Type of logical or physical operation on the ATM for which the counters are computed.

Datatype: "ATMOperation2Code" on page 1446

CodeName	Name	Definition
ADJU	Adjust	Adjust logical counters of the cassette.
INSR	InsertMedia	Add physically media to cassette.
LOAD	Loading	Loading cassette.
REMV	RemoveMedia	Subtract physically media from cassette.
UNLD	Unloading	Unloading cassette.
RCUP	RemoteCounterUpdate	Remotely updating an ATM counter.
SWAP	Swap	Unload all cassettes, and load a new set of cassettes to replace these. The Cassette structures determines what was removed and what was added.

16.4.3.2.2 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the reconciliation transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

16.4.3.2.3 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

16.4.3.2.4 Cassette <Csstt>

Presence: [0..*]

Definition: Information on the cassettes of the ATM.

Cassette <Csstt> contains the following **ATMCassette3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		328
	LogicalIdentification <LogclId>	[1..1]	Text		328
	SerialNumber <SrlNb>	[0..1]	Text		328
	Type <Tp>	[1..1]	CodeSet		328
	SubType <SubTp>	[0..*]	CodeSet		328
	MediaType <MdiaTp>	[0..1]	CodeSet		329
	MediaCounters <MdiaCntrs>	[0..*]			329
	UnitValue <UnitVal>	[0..1]	Amount		330
	Currency <Ccy>	[0..1]	CodeSet	C1	330
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		331
	InitialCount <InitlCnt>	[0..1]	Quantity		331
	CurrentNumber <CurNb>	[1..1]	Quantity		331
	CurrentAmount <CurAmt>	[0..1]	Amount		331
	FlowTotals <FlowTtls>	[0..*]			331
	Type <Tp>	[1..1]	CodeSet		332
	AddedNumber <AddedNb>	[0..1]	Quantity		332
	RemovedNumber <RmvdNb>	[0..1]	Quantity		333
	RemovedAmount <RmvdAmt>	[0..1]	Amount		333
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		333
	DepositedNumber <DpstdNb>	[0..1]	Quantity		333
	DepositedAmount <DpstdAmt>	[0..1]	Amount		333
	RecycledNumber <RcycldNb>	[0..1]	Quantity		333
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		333
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		333
	RejectedNumber <RjctdNb>	[0..1]	Quantity		334
	PresentedNumber <PresntdNb>	[0..1]	Quantity		334
	InitialNumber <InitlNb>	[0..1]	Quantity		334
	InitialAmount <InitlAmt>	[0..1]	Amount		334
	CassetteStatus <CssttSts>	[0..1]	CodeSet		334

16.4.3.2.4.1 PhysicalIdentification <PhysId>

Presence: [0..1]

Definition: Physical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

16.4.3.2.4.2 LogicalIdentification <LogcId>

Presence: [1..1]

Definition: Logical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

16.4.3.2.4.3 SerialNumber <SrInb>

Presence: [0..1]

Definition: Serial number or unique identification of the cassette hardware.

Datatype: "Max35Text" on page 1483

16.4.3.2.4.4 Type <Tp>

Presence: [1..1]

Definition: Type of cassette.

Datatype: "ATMCassetteType1Code" on page 1440

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

16.4.3.2.4.5 SubType <SubTp>

Presence: [0..*]

Definition: Type of items the cash-in takes.

Datatype: "ATMNoteType1Code" on page 1446

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

16.4.3.2.4.6 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

16.4.3.2.4.7 MediaCounters <MdiaCntrs>

Presence: [0..*]

Definition: Counter per unit value or globally.

MediaCounters <MdiaCntrs> contains the following **ATMCassetteCounters6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitValue <UnitVal>	[0..1]	Amount		330
	Currency <Ccy>	[0..1]	CodeSet	C1	330
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		331
	InitialCount <InitlCnt>	[0..1]	Quantity		331
	CurrentNumber <CurNb>	[1..1]	Quantity		331
	CurrentAmount <CurAmt>	[0..1]	Amount		331
	FlowTotals <FlowTtls>	[0..*]			331
	Type <Tp>	[1..1]	CodeSet		332
	AddedNumber <AddedNb>	[0..1]	Quantity		332
	RemovedNumber <RmvdNb>	[0..1]	Quantity		333
	RemovedAmount <RmvdAmt>	[0..1]	Amount		333
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		333
	DepositedNumber <DpstdNb>	[0..1]	Quantity		333
	DepositedAmount <DpstdAmt>	[0..1]	Amount		333
	RecycledNumber <RcycldNb>	[0..1]	Quantity		333
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		333
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		333
	RejectedNumber <RjctdNb>	[0..1]	Quantity		334
	PresentedNumber <PresntdNb>	[0..1]	Quantity		334
	InitialNumber <InitlNb>	[0..1]	Quantity		334
	InitialAmount <InitlAmt>	[0..1]	Amount		334

16.4.3.2.4.7.1 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount of one media unit, if the media type is valued.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

16.4.3.2.4.7.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media, if the media type is valued and different from the currency of the requested amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

16.4.3.2.4.7.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

16.4.3.2.4.7.4 InitialCount <InitICnt>

Presence: [0..1]

Definition: Number of media items in cassette after last replenishment.

Datatype: "Number" on page 1480

16.4.3.2.4.7.5 CurrentNumber <CurNb>

Presence: [1..1]

Definition: Current number of media present in the cassette.

Datatype: "Number" on page 1480

16.4.3.2.4.7.6 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Current amount in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

16.4.3.2.4.7.7 FlowTotals <FlowTtls>

Presence: [0..*]

Definition: Counters of media inside the cassette.

FlowTotals <FlowTtls> contains the following **ATMCassetteCounters5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		332
	AddedNumber <AddedNb>	[0..1]	Quantity		332
	RemovedNumber <RmvdNb>	[0..1]	Quantity		333
	RemovedAmount <RmvdAmt>	[0..1]	Amount		333
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		333
	DepositedNumber <DpstdNb>	[0..1]	Quantity		333
	DepositedAmount <DpstdAmt>	[0..1]	Amount		333
	RecycledNumber <RcycldNb>	[0..1]	Quantity		333
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		333
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		333
	RejectedNumber <RjctdNb>	[0..1]	Quantity		334
	PresentedNumber <PresntdNb>	[0..1]	Quantity		334
	InitialNumber <InitlNb>	[0..1]	Quantity		334
	InitialAmount <InitlAmt>	[0..1]	Amount		334

16.4.3.2.4.7.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of counters.

Datatype: "ATMCounterType3Code" on page 1443

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

16.4.3.2.4.7.7.2 AddedNumber <AddedNb>

Presence: [0..1]

Definition: Number of added media during servicing operations.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.3 RemovedNumber <RmvdNb>

Presence: [0..1]

Definition: Number of removed media during servicing operations.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.4 RemovedAmount <RmvdAmt>

Presence: [0..1]

Definition: Amount of removed media during servicing operations.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

16.4.3.2.4.7.7.5 DispensedNumber <DspnsdNb>

Presence: [0..1]

Definition: Total number of media out of the cassette.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.6 DepositedNumber <DpstdNb>

Presence: [0..1]

Definition: Total number of media deposited in the cassette.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.7 DepositedAmount <DpstdAmt>

Presence: [0..1]

Definition: Amount of media deposited in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

16.4.3.2.4.7.7.8 RecycledNumber <RcycldNb>

Presence: [0..1]

Definition: Total number of recycled media from the cassette.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.9 RetractedNumber <RtrctdNb>

Presence: [0..1]

Definition: Total number of retracted media originating from the cassette.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.10 RetractedAmount <RtrctdAmt>

Presence: [0..1]

Definition: Total amount retracted during operation. Only intended to be used where each of the items in the cassette do not have the same value (for example for retracting checks).

Datatype: "ImpliedCurrencyAndAmount" on page 1431

16.4.3.2.4.7.7.11 RejectedNumber <RjctdNb>

Presence: [0..1]

Definition: Total number of media from this cassette which are on the reject bin.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.12 PresentedNumber <PresntdNb>

Presence: [0..1]

Definition: Total number of media presented to the customer.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.13 InitialNumber <InitlNb>

Presence: [0..1]

Definition: Initial number added during a servicing operation.

Datatype: "Number" on page 1480

16.4.3.2.4.7.7.14 InitialAmount <InitlAmt>

Presence: [0..1]

Definition: Initial amount added during a servicing operation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

16.4.3.2.4.8 CassetteStatus <CssttSts>

Presence: [0..1]

Definition: Status of the cassette. This element may not be provided if the status has not changed from the previous time the cassette information has been provided.

Datatype: "ATMCassetteStatus1Code" on page 1440

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

16.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		335
	AuthenticatedData <AuthntcdData>	[1..1]	±		335

16.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

16.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

17 caam.016.001.01 ATMReconciliationResponseV01

17.1 MessageDefinition Functionality

The ATMReconciliationResponse is sent by a maintenance host to an ATM to identify counts that must be updated.

Outline

The ATMReconciliationResponseV01 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMReconciliationResponse

Enciphered body of the message.

C. ATMReconciliationResponse

Information related to the reconciliation response from a maintenance host.

D. SecurityTrailer

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

17.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMRcncltnRspn>	[1..1]			
	Header <Hdr>	[1..1]			339
	MessageFunction <MsgFctn>	[1..1]			340
	Function <Fctn>	[1..1]	CodeSet		340
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		342
	HostServiceCode <HstSvcCd>	[0..1]	Text		342
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		342
	ExchangeIdentification <XchgId>	[1..1]	Text		342
	CreationDateTime <CreDtTm>	[1..1]	DateTime		342
	InitiatingParty <InitgPty>	[1..1]	Text		342
	RecipientParty <RcptPty>	[0..1]	Text		343
	ProcessState <PrcStat>	[0..1]	Text		343
	Traceability <Tracblt>	[0..*]			343
	RelayIdentification <RlayId>	[1..1]	±		343
	SequenceNumber <SeqNb>	[0..1]	Text		343
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		344
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		344
	ProtectedATMReconciliationResponse <PrctcdATMRcncltnRspn>	[0..1]	±		344
	ATMReconciliationResponse <ATMRcncltnRspn>	[0..1]			344
	Environment <Envnt>	[1..1]			346
	Acquirer <Acqrr>	[0..1]	±		346
	ATMManager <ATMMgr>	[0..1]	±		346
	HostingEntity <HstgNtty>	[0..1]	±		347
	ATM <ATM>	[1..1]	±		347
	Transaction <Tx>	[0..1]			348
	TypeOfOperation <TpOfOpr>	[1..1]	CodeSet		350
	TransactionIdentification <TxId>	[0..1]	±		350
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		350
	Cassette <Csstt>	[0..*]			350

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		352
	LogicalIdentification <LogcId>	[1..1]	Text		352
	SerialNumber <SrlNb>	[0..1]	Text		352
	Type <Tp>	[1..1]	CodeSet		352
	SubType <SubTp>	[0..*]	CodeSet		352
	MediaType <MdiaTp>	[0..1]	CodeSet		353
	MediaCounters <MdiaCntrs>	[0..*]			353
	UnitValue <UnitVal>	[0..1]	Amount		354
	Currency <Ccy>	[0..1]	CodeSet	C1	354
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		355
	InitialCount <InitlCnt>	[0..1]	Quantity		355
	CurrentNumber <CurNb>	[1..1]	Quantity		355
	CurrentAmount <CurAmt>	[0..1]	Amount		355
	FlowTotals <FlowTtls>	[0..*]			355
	Type <Tp>	[1..1]	CodeSet		356
	AddedNumber <AddedNb>	[0..1]	Quantity		356
	RemovedNumber <RmvdNb>	[0..1]	Quantity		357
	RemovedAmount <RmvdAmt>	[0..1]	Amount		357
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		357
	DepositedNumber <DpstdNb>	[0..1]	Quantity		357
	DepositedAmount <DpstdAmt>	[0..1]	Amount		357
	RecycledNumber <RcycldNb>	[0..1]	Quantity		357
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		357
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		357
	RejectedNumber <RjctdNb>	[0..1]	Quantity		358
	PresentedNumber <PresntdNb>	[0..1]	Quantity		358
	InitialNumber <InitlNb>	[0..1]	Quantity		358
	InitialAmount <InitlAmt>	[0..1]	Amount		358
	CassetteStatus <CssttSts>	[0..1]	CodeSet		358
	SecurityTrailer <SctyTrlr>	[0..1]			359
	ContentType <CnttTp>	[1..1]	CodeSet		359

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticatedData <AuthntcdData>	[1..1]	±		359

17.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

17.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

17.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			340
	Function <Fctn>	[1..1]	CodeSet		340
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		342
	HostServiceCode <HstSvcCd>	[0..1]	Text		342
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		342
	ExchangeIdentification <XchgId>	[1..1]	Text		342
	CreationDateTime <CreDtTm>	[1..1]	DateTime		342
	InitiatingParty <InitgPty>	[1..1]	Text		342
	RecipientParty <RcptPty>	[0..1]	Text		343
	ProcessState <PrcStat>	[0..1]	Text		343
	Traceability <Tracblt>	[0..*]			343
	RelayIdentification <RlayId>	[1..1]	±		343
	SequenceNumber <SeqNb>	[0..1]	Text		343
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		344
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		344

17.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		340
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		342
	HostServiceCode <HstSvcCd>	[0..1]	Text		342

17.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

17.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

17.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

17.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

17.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

17.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

17.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

17.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

17.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

17.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		343
	SequenceNumber <SeqNb>	[0..1]	Text		343
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		344
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		344

17.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

17.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

17.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

17.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

17.4.2 ProtectedATMReconciliationResponse <PrtctdATMRcncltnRspn>

Presence: [0..1]

Definition: Enciphered body of the message.

ProtectedATMReconciliationResponse <PrtctdATMRcncltnRspn> contains the following elements
(see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

17.4.3 ATMReconciliationResponse <ATMRcncltnRspn>

Presence: [0..1]

Definition: Information related to the reconciliation response from a maintenance host.

ATMReconciliationResponse <ATMRcncltnRspn> contains the following
ATMReconciliationRequestComponent1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			346
	Acquirer <Acqrr>	[0..1]	±		346
	ATMManager <ATMMgr>	[0..1]	±		346
	HostingEntity <HstgNtty>	[0..1]	±		347
	ATM <ATM>	[1..1]	±		347
	Transaction <Tx>	[0..1]			348
	TypeOfOperation <TpOfOpr>	[1..1]	CodeSet		350
	TransactionIdentification <TxId>	[0..1]	±		350
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		350
	Cassette <Csstt>	[0..*]			350
	PhysicalIdentification <PhysId>	[0..1]	Text		352
	LogicalIdentification <LogclId>	[1..1]	Text		352
	SerialNumber <SrlNb>	[0..1]	Text		352
	Type <Tp>	[1..1]	CodeSet		352
	SubType <SubTp>	[0..*]	CodeSet		352
	MediaType <MdiaTp>	[0..1]	CodeSet		353
	MediaCounters <MdiaCntrs>	[0..*]			353
	UnitValue <UnitVal>	[0..1]	Amount		354
	Currency <Ccy>	[0..1]	CodeSet	C1	354
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		355
	InitialCount <InitlCnt>	[0..1]	Quantity		355
	CurrentNumber <CurNb>	[1..1]	Quantity		355
	CurrentAmount <CurAmt>	[0..1]	Amount		355
	FlowTotals <FlowTtls>	[0..*]			355
	Type <Tp>	[1..1]	CodeSet		356
	AddedNumber <AddedNb>	[0..1]	Quantity		356
	RemovedNumber <RmvdNb>	[0..1]	Quantity		357
	RemovedAmount <RmvdAmt>	[0..1]	Amount		357
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		357
	DepositedNumber <DpstdNb>	[0..1]	Quantity		357

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DepositedAmount <DpstAmt>	[0..1]	Amount		357
	RecycledNumber <RcycldNb>	[0..1]	Quantity		357
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		357
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		357
	RejectedNumber <RjctdNb>	[0..1]	Quantity		358
	PresentedNumber <PresntdNb>	[0..1]	Quantity		358
	InitialNumber <InitlNb>	[0..1]	Quantity		358
	InitialAmount <InitlAmt>	[0..1]	Amount		358
	CassetteStatus <CsstSts>	[0..1]	CodeSet		358

17.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		346
	ATMManager <ATMMgr>	[0..1]	±		346
	HostingEntity <HstgNtty>	[0..1]	±		347
	ATM <ATM>	[1..1]	±		347

17.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the ATM transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

17.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "[Acquirer8](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <AppVrsn>	[0..1]	Text		1319

17.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

17.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

17.4.3.2 Transaction <Tx>

Presence: [0..1]

Definition: Information of the reconciliation transaction.

Transaction <Tx> contains the following **ATMTransaction30** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TypeOfOperation <TpOfOpr>	[1..1]	CodeSet		350
	TransactionIdentification <TxId>	[0..1]	±		350
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		350
	Cassette <Csstt>	[0..*]			350
	PhysicalIdentification <PhysId>	[0..1]	Text		352
	LogicalIdentification <LogclId>	[1..1]	Text		352
	SerialNumber <SrlNb>	[0..1]	Text		352
	Type <Tp>	[1..1]	CodeSet		352
	SubType <SubTp>	[0..*]	CodeSet		352
	MediaType <MdiaTp>	[0..1]	CodeSet		353
	MediaCounters <MdiaCntrs>	[0..*]			353
	UnitValue <UnitVal>	[0..1]	Amount		354
	Currency <Ccy>	[0..1]	CodeSet	C1	354
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		355
	InitialCount <InitlCnt>	[0..1]	Quantity		355
	CurrentNumber <CurNb>	[1..1]	Quantity		355
	CurrentAmount <CurAmt>	[0..1]	Amount		355
	FlowTotals <FlowTtls>	[0..*]			355
	Type <Tp>	[1..1]	CodeSet		356
	AddedNumber <AddedNb>	[0..1]	Quantity		356
	RemovedNumber <RmvdNb>	[0..1]	Quantity		357
	RemovedAmount <RmvdAmt>	[0..1]	Amount		357
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		357
	DepositedNumber <DpstdNb>	[0..1]	Quantity		357
	DepositedAmount <DpstdAmt>	[0..1]	Amount		357
	RecycledNumber <RcycldNb>	[0..1]	Quantity		357
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		357
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		357
	RejectedNumber <RjctdNb>	[0..1]	Quantity		358
	PresentedNumber <PresntdNb>	[0..1]	Quantity		358
	InitialNumber <InitlNb>	[0..1]	Quantity		358

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialAmount <InitlAmt>	[0..1]	Amount		358
	CassetteStatus <CssttSts>	[0..1]	CodeSet		358

17.4.3.2.1 TypeOfOperation <TpOfOpr>

Presence: [1..1]

Definition: Type of logical or physical operation on the ATM for which the counters are computed.

Datatype: "ATMOperation2Code" on page 1446

CodeName	Name	Definition
ADJU	Adjust	Adjust logical counters of the cassette.
INSR	InsertMedia	Add physically media to cassette.
LOAD	Loading	Loading cassette.
REMV	RemoveMedia	Subtract physically media from cassette.
UNLD	Unloading	Unloading cassette.
RCUP	RemoteCounterUpdate	Remotely updating an ATM counter.
SWAP	Swap	Unload all cassettes, and load a new set of cassettes to replace these. The Cassette structures determines what was removed and what was added.

17.4.3.2.2 TransactionIdentification <TxId>

Presence: [0..1]

Definition: Identification of the reconciliation transaction.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

17.4.3.2.3 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

17.4.3.2.4 Cassette <Csstt>

Presence: [0..*]

Definition: Information on the cassettes of the ATM.

Cassette <Csstt> contains the following **ATMCassette3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		352
	LogicalIdentification <LogcId>	[1..1]	Text		352
	SerialNumber <SrlNb>	[0..1]	Text		352
	Type <Tp>	[1..1]	CodeSet		352
	SubType <SubTp>	[0..*]	CodeSet		352
	MediaType <MdiaTp>	[0..1]	CodeSet		353
	MediaCounters <MdiaCntrs>	[0..*]			353
	UnitValue <UnitVal>	[0..1]	Amount		354
	Currency <Ccy>	[0..1]	CodeSet	C1	354
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		355
	InitialCount <InitlCnt>	[0..1]	Quantity		355
	CurrentNumber <CurNb>	[1..1]	Quantity		355
	CurrentAmount <CurAmt>	[0..1]	Amount		355
	FlowTotals <FlowTtls>	[0..*]			355
	Type <Tp>	[1..1]	CodeSet		356
	AddedNumber <AddedNb>	[0..1]	Quantity		356
	RemovedNumber <RmvdNb>	[0..1]	Quantity		357
	RemovedAmount <RmvdAmt>	[0..1]	Amount		357
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		357
	DepositedNumber <DpstdNb>	[0..1]	Quantity		357
	DepositedAmount <DpstdAmt>	[0..1]	Amount		357
	RecycledNumber <RcycldNb>	[0..1]	Quantity		357
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		357
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		357
	RejectedNumber <RjctdNb>	[0..1]	Quantity		358
	PresentedNumber <PresntdNb>	[0..1]	Quantity		358
	InitialNumber <InitlNb>	[0..1]	Quantity		358
	InitialAmount <InitlAmt>	[0..1]	Amount		358
	CassetteStatus <CssttSts>	[0..1]	CodeSet		358

17.4.3.2.4.1 PhysicalIdentification <PhysId>

Presence: [0..1]

Definition: Physical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

17.4.3.2.4.2 LogicalIdentification <LogcId>

Presence: [1..1]

Definition: Logical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

17.4.3.2.4.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number or unique identification of the cassette hardware.

Datatype: "Max35Text" on page 1483

17.4.3.2.4.4 Type <Tp>

Presence: [1..1]

Definition: Type of cassette.

Datatype: "ATMCassetteType1Code" on page 1440

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

17.4.3.2.4.5 SubType <SubTp>

Presence: [0..*]

Definition: Type of items the cash-in takes.

Datatype: "ATMNoteType1Code" on page 1446

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

17.4.3.2.4.6 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

17.4.3.2.4.7 MediaCounters <MdiaCntrs>

Presence: [0..*]

Definition: Counter per unit value or globally.

MediaCounters <MdiaCntrs> contains the following **ATMCassetteCounters6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitValue <UnitVal>	[0..1]	Amount		354
	Currency <Ccy>	[0..1]	CodeSet	C1	354
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		355
	InitialCount <InitlCnt>	[0..1]	Quantity		355
	CurrentNumber <CurNb>	[1..1]	Quantity		355
	CurrentAmount <CurAmt>	[0..1]	Amount		355
	FlowTotals <FlowTtls>	[0..*]			355
	Type <Tp>	[1..1]	CodeSet		356
	AddedNumber <AddedNb>	[0..1]	Quantity		356
	RemovedNumber <RmvdNb>	[0..1]	Quantity		357
	RemovedAmount <RmvdAmt>	[0..1]	Amount		357
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		357
	DepositedNumber <DpstdNb>	[0..1]	Quantity		357
	DepositedAmount <DpstdAmt>	[0..1]	Amount		357
	RecycledNumber <RcycldNb>	[0..1]	Quantity		357
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		357
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		357
	RejectedNumber <RjctdNb>	[0..1]	Quantity		358
	PresentedNumber <PresntdNb>	[0..1]	Quantity		358
	InitialNumber <InitlNb>	[0..1]	Quantity		358
	InitialAmount <InitlAmt>	[0..1]	Amount		358

17.4.3.2.4.7.1 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount of one media unit, if the media type is valued.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

17.4.3.2.4.7.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media, if the media type is valued and different from the currency of the requested amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

17.4.3.2.4.7.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

17.4.3.2.4.7.4 InitialCount <InitICnt>

Presence: [0..1]

Definition: Number of media items in cassette after last replenishment.

Datatype: "Number" on page 1480

17.4.3.2.4.7.5 CurrentNumber <CurNb>

Presence: [1..1]

Definition: Current number of media present in the cassette.

Datatype: "Number" on page 1480

17.4.3.2.4.7.6 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Current amount in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

17.4.3.2.4.7.7 FlowTotals <FlowTtls>

Presence: [0..*]

Definition: Counters of media inside the cassette.

FlowTotals <FlowTtls> contains the following **ATMCassetteCounters5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		356
	AddedNumber <AddedNb>	[0..1]	Quantity		356
	RemovedNumber <RmvdNb>	[0..1]	Quantity		357
	RemovedAmount <RmvdAmt>	[0..1]	Amount		357
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		357
	DepositedNumber <DpstdNb>	[0..1]	Quantity		357
	DepositedAmount <DpstdAmt>	[0..1]	Amount		357
	RecycledNumber <RcycldNb>	[0..1]	Quantity		357
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		357
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		357
	RejectedNumber <RjctdNb>	[0..1]	Quantity		358
	PresentedNumber <PresntdNb>	[0..1]	Quantity		358
	InitialNumber <InitlNb>	[0..1]	Quantity		358
	InitialAmount <InitlAmt>	[0..1]	Amount		358

17.4.3.2.4.7.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of counters.

Datatype: "ATMCounterType3Code" on page 1443

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

17.4.3.2.4.7.7.2 AddedNumber <AddedNb>

Presence: [0..1]

Definition: Number of added media during servicing operations.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.3 RemovedNumber <RmvdNb>

Presence: [0..1]

Definition: Number of removed media during servicing operations.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.4 RemovedAmount <RmvdAmt>

Presence: [0..1]

Definition: Amount of removed media during servicing operations.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

17.4.3.2.4.7.7.5 DispensedNumber <DspnsdNb>

Presence: [0..1]

Definition: Total number of media out of the cassette.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.6 DepositedNumber <DpstdNb>

Presence: [0..1]

Definition: Total number of media deposited in the cassette.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.7 DepositedAmount <DpstdAmt>

Presence: [0..1]

Definition: Amount of media deposited in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

17.4.3.2.4.7.7.8 RecycledNumber <RcycldNb>

Presence: [0..1]

Definition: Total number of recycled media from the cassette.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.9 RetractedNumber <RtrctdNb>

Presence: [0..1]

Definition: Total number of retracted media originating from the cassette.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.10 RetractedAmount <RtrctdAmt>

Presence: [0..1]

Definition: Total amount retracted during operation. Only intended to be used where each of the items in the cassette do not have the same value (for example for retracting checks).

Datatype: "ImpliedCurrencyAndAmount" on page 1431

17.4.3.2.4.7.7.11 RejectedNumber <RjctdNb>

Presence: [0..1]

Definition: Total number of media from this cassette which are on the reject bin.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.12 PresentedNumber <PresntdNb>

Presence: [0..1]

Definition: Total number of media presented to the customer.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.13 InitialNumber <InitlNb>

Presence: [0..1]

Definition: Initial number added during a servicing operation.

Datatype: "Number" on page 1480

17.4.3.2.4.7.7.14 InitialAmount <InitlAmt>

Presence: [0..1]

Definition: Initial amount added during a servicing operation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

17.4.3.2.4.8 CassetteStatus <CssttSts>

Presence: [0..1]

Definition: Status of the cassette. This element may not be provided if the status has not changed from the previous time the cassette information has been provided.

Datatype: "ATMCassetteStatus1Code" on page 1440

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

17.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

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

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		359
	AuthenticatedData <AuthntcdData>	[1..1]	±		359

17.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

17.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

18 **catp.001.001.03**

ATMWithdrawalRequestV03

18.1 **MessageDefinition Functionality**

The ATMWithdrawalRequest message is sent by an ATM to an acquirer or its agent to request the approval of a withdrawal transaction at an ATM.

Outline

The ATMWithdrawalRequestV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMWithdrawalRequest
Encrypted body of the message.
- C. ATMWithdrawalRequest
Information related to the request of a withdrawal transaction from an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

18.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMWdrwlReq>	[1..1]			
	Header <Hdr>	[1..1]			366
	MessageFunction <MsgFctn>	[1..1]			367
	Function <Fctn>	[1..1]	CodeSet		367
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		369
	HostServiceCode <HstSvcCd>	[0..1]	Text		369
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		369
	ExchangeIdentification <XchgId>	[1..1]	Text		369
	CreationDateTime <CreDtTm>	[1..1]	DateTime		369
	InitiatingParty <InitgPty>	[1..1]	Text		369
	RecipientParty <RcptPty>	[0..1]	Text		370
	ProcessState <PrcStat>	[0..1]	Text		370
	Traceability <Tracblt>	[0..*]			370
	RelayIdentification <RlayId>	[1..1]	±		370
	SequenceNumber <SeqNb>	[0..1]	Text		370
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		371
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		371
	ProtectedATMWithdrawalRequest <PrtctdATMWdrwlReq>	[0..1]	±		371
	ATMWithdrawalRequest <ATMWdrwlReq>	[0..1]			371
	Environment <Envnt>	[1..1]			376
	Acquirer <Acqrr>	[0..1]	±		379
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		379
	HostingEntity <HstgNtty>	[0..1]	±		379
	ATM <ATM>	[1..1]			380
	Identification <Id>	[1..1]	Text		382
	AdditionalIdentification <AddtlId>	[0..1]	Text		382
	SequenceNumber <SeqNb>	[0..1]	Text		382
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	382
	Location <Lctn>	[0..1]			382
	AddressLine <AdrLine>	[0..2]	Text		383

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		383
	BuildingNumber <BldgNb>	[0..1]	Text		383
	PostCode <PstCd>	[0..1]	Text		383
	TownName <TwnNm>	[1..1]	Text		384
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		384
	Country <Ctry>	[1..1]	CodeSet	C3	384
	GeoLocation <GLctn>	[0..1]			384
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			384
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385
Or}	UTMCoordinates <UTMCordints>	[1..1]			385
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		386
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		386
	Capabilities <Cpblties>	[0..1]	±		386
	Equipment <Eqpmnt>	[0..1]			387
	Manufacturer <Manfctr>	[0..1]	Text		388
	Model <Mdl>	[0..1]	Text		388
	SerialNumber <SrINb>	[0..1]	Text		388
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		388
	ApplicationName <ApplNm>	[0..1]	Text		388
	ApplicationVersion <ApplVrsn>	[0..1]	Text		389
	ApprovalNumber <ApprvINb>	[0..1]	Text		389
	ConfigurationParameter <CfgrtnParam>	[0..*]			389
	Type <Tp>	[1..1]	CodeSet		389
	Version <Vrsn>	[1..1]	Text		390
	Customer <Cstmr>	[1..1]			390
	Profile <Prfl>	[0..1]			390
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		391
	ProfileReference <PrflRef>	[0..1]	Text		391

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <CstmrlId>	[0..1]	Text		391
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	391
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	392
	Authentication <Authntcn>	[1..*]			392
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		392
	TokenRequested <TknReqd>	[0..1]	Indicator		393
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		393
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		393
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		393
	AuthenticationResult <AuthntcnRsIt>	[0..*]			394
	Method <Mtd>	[1..1]	CodeSet		394
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		395
	Result <RsIt>	[0..1]	CodeSet		395
	AdditionalResult <AddtlRsIt>	[0..1]	Text		395
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		395
	Card <Card>	[0..1]			395
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		396
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		397
	ProtectedCardData <PrtctdCardData>	[0..1]	±		397
	PlainCardData <PlainCardData>	[0..1]			397
	PAN <PAN>	[0..1]	Text		398
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		398
	EffectiveDate <FctvDt>	[0..1]	Text		398
	ExpiryDate <XpryDt>	[0..1]	Text		398
	ServiceCode <SvcCd>	[0..1]	Text		398
	Track1 <Trck1>	[0..1]	Text		399
	Track2 <Trck2>	[0..1]	Text		399
	Track3 <Trck3>	[0..1]	Text		399
	CardholderName <CrhdldrNm>	[0..1]	Text		399
	CardCountryCode <CardCtryCd>	[0..1]	Text		399
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		399

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[1..1]			399
	SessionReference <SsnRef>	[0..1]	Text		400
	Service <Svc>	[0..1]			400
	ServiceReference <SvcRef>	[0..1]	Text		400
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		400
	ServiceType <SvcTp>	[1..1]	CodeSet		400
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		401
	Transaction <Tx>	[1..1]			401
	CashDispensed <CshDspnsd>	[0..1]	Indicator		403
	TransactionIdentification <TxId>	[1..1]	±		404
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		404
	AccountData <AcctData>	[0..1]			404
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		405
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		406
	AccountName <AcctNm>	[0..1]	Text		406
	AccountOwner <AcctOwnr>	[0..1]			407
	Name <Nm>	[1..1]	Text		407
	Address <Adr>	[1..1]	±		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	AccountIdentifier <AcctIdr>	[0..1]			408
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	408
Or	BBAN <BBAN>	[1..1]	IdentifierSet		408
Or	UPIC <UPIC>	[1..1]	IdentifierSet		408
Or	DomesticAccount <DmstAcct>	[1..1]			409
	Identification <Id>	[1..1]	Text		409
Or	MSISDN <MSISDN>	[1..1]	Text		409
Or}	Email <Email>	[1..1]	Text		409
	Servicer <Svc>	[0..1]			409
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	409
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		410
	ProtectedAccountData <PrctcdAcctData>	[0..1]	±		410

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	±		410
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		411
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			411
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		413
	TargetCurrency <TrgtCcy>	[1..1]			413
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	413
	NumericCode <NmrcCd>	[0..1]	Text		413
	Decimal <Dcml>	[0..1]	Quantity		413
	Name <Nm>	[0..1]	Text		413
	ResultingAmount <RsltgAmt>	[1..1]	Amount		414
	ExchangeRate <XchgRate>	[1..1]	Rate		414
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		414
	QuotationDate <QtnDt>	[0..1]	DateTime		414
	ValidUntil <VldUntil>	[0..1]	DateTime		414
	SourceCurrency <SrcCcy>	[1..1]			414
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	414
	NumericCode <NmrcCd>	[0..1]	Text		415
	Decimal <Dcml>	[0..1]	Quantity		415
	Name <Nm>	[0..1]	Text		415
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		415
	CommissionDetails <ComssnDtls>	[0..*]			415
	Amount <Amt>	[1..1]	Amount		415
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	MarkUpDetails <MrkUpDtls>	[0..*]			416
	Rate <Rate>	[1..1]	Rate		416
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	DeclarationDetails <DclrtDtls>	[0..1]			416
	Format <Frmt>	[0..1]	CodeSet		416
	MessageContent <MsgCntt>	[1..1]	Text		417
	ReferenceRate <RefRate>	[0..1]			417
	ExchangeRate <XchgRate>	[1..1]	Rate		417

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PublishDate <PblshDt>	[1..1]	DateTime		417
	AdditionalInformation <AddtlInf>	[0..1]	Text		417
	SelectedMixType <SelctdMixTp>	[0..1]	Text		417
	SelectedMix <SelctdMix>	[0..*]	±		418
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		418
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		418
	SecurityTrailer <SctyTrlr>	[0..1]			418
	ContentType <CnttTp>	[1..1]	CodeSet		419
	AuthenticatedData <AuthntcdData>	[1..1]	±		419

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 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: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			367
	Function <Fctn>	[1..1]	CodeSet		367
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		369
	HostServiceCode <HstSvcCd>	[0..1]	Text		369
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		369
	ExchangeIdentification <XchgId>	[1..1]	Text		369
	CreationDateTime <CreDtTm>	[1..1]	DateTime		369
	InitiatingParty <InitgPty>	[1..1]	Text		369
	RecipientParty <RcptPty>	[0..1]	Text		370
	ProcessState <PrcStat>	[0..1]	Text		370
	Traceability <Tracblt>	[0..*]			370
	RelayIdentification <RlayId>	[1..1]	±		370
	SequenceNumber <SeqNb>	[0..1]	Text		370
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		371
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		371

18.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		367
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		369
	HostServiceCode <HstSvcCd>	[0..1]	Text		369

18.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

18.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

18.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

18.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

18.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

18.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

18.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

18.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

18.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

18.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		370
	SequenceNumber <SeqNb>	[0..1]	Text		370
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		371
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		371

18.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

18.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

18.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

18.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

18.4.2 ProtectedATMWithdrawalRequest <PrtctdATMWdrwlReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMWithdrawalRequest <PrtctdATMWdrwlReq> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

18.4.3 ATMWithdrawalRequest <ATMWdrwlReq>

Presence: [0..1]

Definition: Information related to the request of a withdrawal transaction from an ATM.

ATMWithdrawalRequest <ATMWdrwlReq> contains the following **ATMWithdrawalRequest3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			376
	Acquirer <Acqrr>	[0..1]	±		379
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		379
	HostingEntity <HstgNtty>	[0..1]	±		379
	ATM <ATM>	[1..1]			380
	Identification <Id>	[1..1]	Text		382
	AdditionalIdentification <AddtlId>	[0..1]	Text		382
	SequenceNumber <SeqNb>	[0..1]	Text		382
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	382
	Location <Lctn>	[0..1]			382
	AddressLine <AdrLine>	[0..2]	Text		383
	StreetName <StrtNm>	[0..1]	Text		383
	BuildingNumber <BldgNb>	[0..1]	Text		383
	PostCode <PstCd>	[0..1]	Text		383
	TownName <TwnNm>	[1..1]	Text		384
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		384
	Country <Ctry>	[1..1]	CodeSet	C3	384
	GeoLocation <GLctn>	[0..1]			384
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			384
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385
Or}	UTMCoordinates <UTMCordints>	[1..1]			385
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		386
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		386
	Capabilities <Cpblties>	[0..1]	±		386
	Equipment <Eqpmnt>	[0..1]			387
	Manufacturer <Manfctr>	[0..1]	Text		388
	Model <Mdl>	[0..1]	Text		388

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SerialNumber <SrlNb>	[0..1]	Text		388
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		388
	ApplicationName <ApplNm>	[0..1]	Text		388
	ApplicationVersion <ApplVrsn>	[0..1]	Text		389
	ApprovalNumber <ApprvlNb>	[0..1]	Text		389
	ConfigurationParameter <CfgtnParam>	[0..*]			389
	Type <Tp>	[1..1]	CodeSet		389
	Version <Vrsn>	[1..1]	Text		390
	Customer <Cstmr>	[1..1]			390
	Profile <Prfl>	[0..1]			390
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		391
	ProfileReference <PrflRef>	[0..1]	Text		391
	CustomerIdentification <CstmrlId>	[0..1]	Text		391
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	391
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	392
	Authentication <Authntcn>	[1..*]			392
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		392
	TokenRequested <TknReqd>	[0..1]	Indicator		393
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		393
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		393
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		393
	AuthenticationResult <AuthntcnRslt>	[0..*]			394
	Method <Mtd>	[1..1]	CodeSet		394
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		395
	Result <Rslt>	[0..1]	CodeSet		395
	AdditionalResult <AddtlRslt>	[0..1]	Text		395
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		395
	Card <Card>	[0..1]			395
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		396
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		397
	ProtectedCardData <PrctcdCardData>	[0..1]	±		397

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlainCardData <PlainCardData>	[0..1]			397
	PAN <PAN>	[0..1]	Text		398
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		398
	EffectiveDate <FctvDt>	[0..1]	Text		398
	ExpiryDate <XpryDt>	[0..1]	Text		398
	ServiceCode <SvcCd>	[0..1]	Text		398
	Track1 <Trck1>	[0..1]	Text		399
	Track2 <Trck2>	[0..1]	Text		399
	Track3 <Trck3>	[0..1]	Text		399
	CardholderName <CrdhldrNm>	[0..1]	Text		399
	CardCountryCode <CardCtryCd>	[0..1]	Text		399
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		399
	Context <Cntxt>	[1..1]			399
	SessionReference <SsnRef>	[0..1]	Text		400
	Service <Svc>	[0..1]			400
	ServiceReference <SvcRef>	[0..1]	Text		400
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		400
	ServiceType <SvcTp>	[1..1]	CodeSet		400
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		401
	Transaction <Tx>	[1..1]			401
	CashDispensed <CshDspnsd>	[0..1]	Indicator		403
	TransactionIdentification <TxId>	[1..1]	±		404
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		404
	AccountData <AcctData>	[0..1]			404
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		405
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		406
	AccountName <AcctNm>	[0..1]	Text		406
	AccountOwner <AcctOwnr>	[0..1]			407
	Name <Nm>	[1..1]	Text		407
	Address <Adr>	[1..1]	±		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentifier <AcctIdr>	[0..1]			408
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	408
Or	BBAN <BBAN>	[1..1]	IdentifierSet		408
Or	UPIC <UPIC>	[1..1]	IdentifierSet		408
Or	DomesticAccount <DmstAcct>	[1..1]			409
	Identification <Id>	[1..1]	Text		409
Or	MSISDN <MSISDN>	[1..1]	Text		409
Or}	Email <Email>	[1..1]	Text		409
	Servicer <Svcr>	[0..1]			409
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	409
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		410
	ProtectedAccountData <PrctcdAcctData>	[0..1]	±		410
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	±		410
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		411
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			411
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		413
	TargetCurrency <TrgtCcy>	[1..1]			413
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	413
	NumericCode <NmrcCd>	[0..1]	Text		413
	Decimal <Dcml>	[0..1]	Quantity		413
	Name <Nm>	[0..1]	Text		413
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		414
	ExchangeRate <XchgRate>	[1..1]	Rate		414
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		414
	QuotationDate <QtnDt>	[0..1]	DateTime		414
	ValidUntil <VldUntil>	[0..1]	DateTime		414
	SourceCurrency <SrcCcy>	[1..1]			414
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	414
	NumericCode <NmrcCd>	[0..1]	Text		415
	Decimal <Dcml>	[0..1]	Quantity		415
	Name <Nm>	[0..1]	Text		415

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		415
	CommissionDetails <ComssnDtls>	[0..*]			415
	Amount <Amt>	[1..1]	Amount		415
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	MarkUpDetails <MrkUpDtls>	[0..*]			416
	Rate <Rate>	[1..1]	Rate		416
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	DeclarationDetails <DclrtnDtls>	[0..1]			416
	Format <Frmt>	[0..1]	CodeSet		416
	MessageContent <MsgCntt>	[1..1]	Text		417
	ReferenceRate <RefRate>	[0..1]			417
	ExchangeRate <XchgRate>	[1..1]	Rate		417
	PublishDate <PblshDt>	[1..1]	DateTime		417
	AdditionalInformation <AddtlInf>	[0..1]	Text		417
	SelectedMixType <SelctdMixTp>	[0..1]	Text		417
	SelectedMix <SelctdMix>	[0..*]	±		418
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		418
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		418

18.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the withdrawal transaction.

Environment <Envt> contains the following **ATMEnvironment18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		379
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		379
	HostingEntity <HstgNtty>	[0..1]	±		379
	ATM <ATM>	[1..1]			380
	Identification <Id>	[1..1]	Text		382
	AdditionalIdentification <AddtlId>	[0..1]	Text		382
	SequenceNumber <SeqNb>	[0..1]	Text		382
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	382
	Location <Lctn>	[0..1]			382
	AddressLine <AdrLine>	[0..2]	Text		383
	StreetName <StrtNm>	[0..1]	Text		383
	BuildingNumber <BldgNb>	[0..1]	Text		383
	PostCode <PstCd>	[0..1]	Text		383
	TownName <TwnNm>	[1..1]	Text		384
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		384
	Country <Ctry>	[1..1]	CodeSet	C3	384
	GeoLocation <GLctn>	[0..1]			384
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			384
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385
Or}	UTMCoordinates <UTMCordints>	[1..1]			385
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		386
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		386
	Capabilities <Cpblties>	[0..1]	±		386
	Equipment <Eqpmnt>	[0..1]			387
	Manufacturer <Manfctr>	[0..1]	Text		388
	Model <Mdl>	[0..1]	Text		388
	SerialNumber <SrlNb>	[0..1]	Text		388
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		388

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		388
	ApplicationVersion <AppVrsn>	[0..1]	Text		389
	ApprovalNumber <ApprvINb>	[0..1]	Text		389
	ConfigurationParameter <CfgtnParam>	[0..*]			389
	Type <Tp>	[1..1]	CodeSet		389
	Version <Vrsn>	[1..1]	Text		390
	Customer <Cstmr>	[1..1]			390
	Profile <Prfl>	[0..1]			390
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		391
	ProfileReference <PrflRef>	[0..1]	Text		391
	CustomerIdentification <CstmrlId>	[0..1]	Text		391
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	391
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	392
	Authentication <Authntcn>	[1..*]			392
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		392
	TokenRequested <TknReqd>	[0..1]	Indicator		393
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		393
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		393
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		393
	AuthenticationResult <AuthntcnRslt>	[0..*]			394
	Method <Mtd>	[1..1]	CodeSet		394
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		395
	Result <Rslt>	[0..1]	CodeSet		395
	AdditionalResult <AddtlRslt>	[0..1]	Text		395
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		395
	Card <Card>	[0..1]			395
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		396
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		397
	ProtectedCardData <PrtctdCardData>	[0..1]	±		397
	PlainCardData <PlainCardData>	[0..1]			397
	PAN <PAN>	[0..1]	Text		398

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		398
	EffectiveDate <FctvDt>	[0..1]	Text		398
	ExpiryDate <XpryDt>	[0..1]	Text		398
	ServiceCode <SvcCd>	[0..1]	Text		398
	Track1 <Trck1>	[0..1]	Text		399
	Track2 <Trck2>	[0..1]	Text		399
	Track3 <Trck3>	[0..1]	Text		399
	CardholderName <CrdhldrNm>	[0..1]	Text		399
	CardCountryCode <CardCtryCd>	[0..1]	Text		399
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		399

18.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

18.4.3.1.2 ATMMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "[Max35Text](#)" on page 1483

18.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

18.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		382
	AdditionalIdentification <AddtlId>	[0..1]	Text		382
	SequenceNumber <SeqNb>	[0..1]	Text		382
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	382
	Location <Lctn>	[0..1]			382
	AddressLine <AdrLine>	[0..2]	Text		383
	StreetName <StrtNm>	[0..1]	Text		383
	BuildingNumber <BldgNb>	[0..1]	Text		383
	PostCode <PstCd>	[0..1]	Text		383
	TownName <TwnNm>	[1..1]	Text		384
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		384
	Country <Ctry>	[1..1]	CodeSet	C3	384
	GeoLocation <GLctn>	[0..1]			384
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			384
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385
Or}	UTMCoordinates <UTMCordints>	[1..1]			385
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		386
	LocationCategory <LctnCty>	[0..1]	CodeSet		386
	Capabilities <Cpblties>	[0..1]	±		386
	Equipment <Eqpmnt>	[0..1]			387
	Manufacturer <Manfctr>	[0..1]	Text		388
	Model <Mdl>	[0..1]	Text		388
	SerialNumber <SrlNb>	[0..1]	Text		388
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		388
	ApplicationName <ApplNm>	[0..1]	Text		388
	ApplicationVersion <ApplVrsn>	[0..1]	Text		389
	ApprovalNumber <ApprvlNb>	[0..1]	Text		389
	ConfigurationParameter <CfgrtnParam>	[0..*]			389

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		389
	Version <Vrsn>	[1..1]	Text		390

18.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

18.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		383
	StreetName <StrtNm>	[0..1]	Text		383
	BuildingNumber <BldgNb>	[0..1]	Text		383
	PostCode <PstCd>	[0..1]	Text		383
	TownName <TwnNm>	[1..1]	Text		384
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		384
	Country <Ctry>	[1..1]	CodeSet	C3	384
	GeoLocation <GLctn>	[0..1]			384
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			384
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385
Or}	UTMCoordinates <UTMCordints>	[1..1]			385
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		386

18.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

18.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

18.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

18.4.3.1.4.5.4 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 1482

18.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

18.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			384
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385
Or}	UTMCoordinates <UTMCordints>	[1..1]			385
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		386

18.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		385
	Longitude <Long>	[1..1]	Text		385

18.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

18.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

18.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		385
	UTMEastward <UTMEstwr>	[1..1]	Quantity		385
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		386

18.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

18.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

18.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

18.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

18.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntrctvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

18.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		388
	Model <Mdl>	[0..1]	Text		388
	SerialNumber <SrINb>	[0..1]	Text		388
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		388
	ApplicationName <ApplNm>	[0..1]	Text		388
	ApplicationVersion <ApplVrsn>	[0..1]	Text		389
	ApprovalNumber <ApprvINb>	[0..1]	Text		389
	ConfigurationParameter <CfgtnParam>	[0..*]			389
	Type <Tp>	[1..1]	CodeSet		389
	Version <Vrsn>	[1..1]	Text		390

18.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

18.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		389
	Version <Vrsn>	[1..1]	Text		390

18.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

18.4.3.1.4.8.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

18.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			390
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		391
	ProfileReference <PrflRef>	[0..1]	Text		391
	CustomerIdentification <CstmrlId>	[0..1]	Text		391
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	391
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	392
	Authentication <Authntcn>	[1..*]			392
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		392
	TokenRequested <TknReqd>	[0..1]	Indicator		393
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		393
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		393
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		393
	AuthenticationResult <AuthntcnRslt>	[0..*]			394
	Method <Mtd>	[1..1]	CodeSet		394
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		395
	Result <Rslt>	[0..1]	CodeSet		395
	AdditionalResult <AddtlRslt>	[0..1]	Text		395
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		395

18.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		391
	ProfileReference <PrflRef>	[0..1]	Text		391
	CustomerIdentification <CstmrlId>	[0..1]	Text		391
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	391

18.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

18.4.3.1.5.1.2 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

18.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

18.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

18.4.3.1.5.3 Authentication <Authntcn>

Presence: [1..*]

Definition: Method and data intended to be used for this transaction to authenticate the customer and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		392
	TokenRequested <TknReqd>	[0..1]	Indicator		393
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		393
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		393
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		393

18.4.3.1.5.3.1 AuthenticationMethod <AuthntcnMtd>

Presence: [1..1]

Definition: Method and data intended to be used for this transaction to authenticate the customer or its card.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

18.4.3.1.5.3.2 TokenRequested <TknReqd>

Presence: [0..1]

Definition: True if an authentication token is requested to the host. This token will be provided to the ATM for further authentication.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

18.4.3.1.5.3.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value or token to be used for customer or card authentication.

Datatype: "Max5000Binary" on page 1433

18.4.3.1.5.3.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

18.4.3.1.5.3.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following elements (see "OnLinePIN5" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

18.4.3.1.5.4 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		394
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		395
	Result <Rslt>	[0..1]	CodeSet		395
	AdditionalResult <AddtlRslt>	[0..1]	Text		395
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		395

18.4.3.1.5.4.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

18.4.3.1.5.4.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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

18.4.3.1.5.4.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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

18.4.3.1.5.4.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

18.4.3.1.5.4.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

18.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard36** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		396
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		397
	ProtectedCardData <PrtctdCardData>	[0..1]	±		397
	PlainCardData <PlainCardData>	[0..1]			397
	PAN <PAN>	[0..1]	Text		398
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		398
	EffectiveDate <FctvDt>	[0..1]	Text		398
	ExpiryDate <XpryDt>	[0..1]	Text		398
	ServiceCode <SvcCd>	[0..1]	Text		398
	Track1 <Trck1>	[0..1]	Text		399
	Track2 <Trck2>	[0..1]	Text		399
	Track3 <Trck3>	[0..1]	Text		399
	CardholderName <CrdhldrNm>	[0..1]	Text		399
	CardCountryCode <CardCtryCd>	[0..1]	Text		399
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		399

18.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

18.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicates the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

18.4.3.1.6.3 ProtectedCardData <PrctcdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrctcdCardData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

18.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		398
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		398
	EffectiveDate <FctvDt>	[0..1]	Text		398
	ExpiryDate <XpryDt>	[0..1]	Text		398
	ServiceCode <SvcCd>	[0..1]	Text		398
	Track1 <Trck1>	[0..1]	Text		399
	Track2 <Trck2>	[0..1]	Text		399
	Track3 <Trck3>	[0..1]	Text		399
	CardholderName <CrdhldrNm>	[0..1]	Text		399

18.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

18.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

18.4.3.1.6.4.3 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 1482

18.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

18.4.3.1.6.4.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1481

18.4.3.1.6.4.6 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 1485

18.4.3.1.6.4.7 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 1483

18.4.3.1.6.4.8 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 1481

18.4.3.1.6.4.9 CardholderName <CrhdldrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1484

18.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

18.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

18.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		400
	Service <Svc>	[0..1]			400
	ServiceReference <SvcRef>	[0..1]	Text		400
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		400
	ServiceType <SvcTp>	[1..1]	CodeSet		400
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		401

18.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

18.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		400
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		400
	ServiceType <SvcTp>	[1..1]	CodeSet		400
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		401

18.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

18.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

18.4.3.2.2.3 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of transaction selected by the customer.

Datatype: "ATMServiceType1Code" on page 1451

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.

18.4.3.2.2.4 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

18.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Withdrawal transaction for which the authorisation is requested.

Transaction <Tx> contains the following **ATMTransaction46** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashDispensed <CshDspnsd>	[0..1]	Indicator		403
	TransactionIdentification <TxId>	[1..1]	±		404
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		404
	AccountData <AcctData>	[0..1]			404
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		405
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		406
	AccountName <AcctNm>	[0..1]	Text		406
	AccountOwner <AcctOwnr>	[0..1]			407
	Name <Nm>	[1..1]	Text		407
	Address <Adr>	[1..1]	±		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	AccountIdentifier <AcctIdr>	[0..1]			408
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	408
Or	BBAN <BBAN>	[1..1]	IdentifierSet		408
Or	UPIC <UPIC>	[1..1]	IdentifierSet		408
Or	DomesticAccount <DmstAcct>	[1..1]			409
	Identification <Id>	[1..1]	Text		409
Or	MSISDN <MSISDN>	[1..1]	Text		409
Or}	Email <Email>	[1..1]	Text		409
	Servicer <Svcr>	[0..1]			409
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	409
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		410
	ProtectedAccountData <PrctcdAcctData>	[0..1]	±		410
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	±		410
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		411
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			411
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		413
	TargetCurrency <TrgtCcy>	[1..1]			413
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	413
	NumericCode <NmrcCd>	[0..1]	Text		413
	Decimal <Dcml>	[0..1]	Quantity		413

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[0..1]	Text		413
	ResultingAmount <RsltgAmt>	[1..1]	Amount		414
	ExchangeRate <XchgRate>	[1..1]	Rate		414
	InvertedExchangeRate <NvrtedXchgRate>	[0..1]	Rate		414
	QuotationDate <QtnDt>	[0..1]	DateTime		414
	ValidUntil <VldUntil>	[0..1]	DateTime		414
	SourceCurrency <SrcCcy>	[1..1]			414
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	414
	NumericCode <NmrcCd>	[0..1]	Text		415
	Decimal <Dcml>	[0..1]	Quantity		415
	Name <Nm>	[0..1]	Text		415
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		415
	CommissionDetails <ComssnDtls>	[0..*]			415
	Amount <Amt>	[1..1]	Amount		415
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	MarkUpDetails <MrkUpDtls>	[0..*]			416
	Rate <Rate>	[1..1]	Rate		416
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	DeclarationDetails <Dclrtndtls>	[0..1]			416
	Format <Frmt>	[0..1]	CodeSet		416
	MessageContent <MsgCntt>	[1..1]	Text		417
	ReferenceRate <RefRate>	[0..1]			417
	ExchangeRate <XchgRate>	[1..1]	Rate		417
	PublishDate <PblshDt>	[1..1]	DateTime		417
	AdditionalInformation <AddtlInf>	[0..1]	Text		417
	SelectedMixType <SelctdMixTp>	[0..1]	Text		417
	SelectedMix <SelctdMix>	[0..*]	±		418
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		418
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		418

18.4.3.3.1 CashDispensed <CshDspnsd>

Presence: [0..1]

Definition: True if cash has to be dispensed by the ATM for the transaction.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

18.4.3.3.2 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

18.4.3.3.3 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: ["Max35Text"](#) on page 1483

18.4.3.3.4 AccountData <AcctData>

Presence: [0..1]

Definition: Unprotected account information.

AccountData <AcctData> contains the following **CardAccount20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		405
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		406
	AccountName <AcctNm>	[0..1]	Text		406
	AccountOwner <AcctOwnr>	[0..1]			407
	Name <Nm>	[1..1]	Text		407
	Address <Adr>	[1..1]	±		407
	Currency <Ccy>	[0..1]	CodeSet	C1	407
	AccountIdentifier <AcctIdr>	[0..1]			408
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	408
Or	BBAN <BBAN>	[1..1]	IdentifierSet		408
Or	UPIC <UPIC>	[1..1]	IdentifierSet		408
Or	DomesticAccount <DmstAcct>	[1..1]			409
	Identification <Id>	[1..1]	Text		409
Or	MSISDN <MSISDN>	[1..1]	Text		409
Or}	Email <Email>	[1..1]	Text		409
	Servicer <Svcr>	[0..1]			409
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	409
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		410

18.4.3.3.4.1 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

18.4.3.3.4.2 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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.

18.4.3.3.4.3 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

18.4.3.3.4.4 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		407
	Address <Adr>	[1..1]	±		407

18.4.3.3.4.4.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

18.4.3.3.4.4.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

18.4.3.3.4.5 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

18.4.3.3.4.6 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	408
Or	BBAN <BBAN>	[1..1]	IdentifierSet		408
Or	UPIC <UPIC>	[1..1]	IdentifierSet		408
Or	DomesticAccount <DmstAcct>	[1..1]			409
	Identification <Id>	[1..1]	Text		409
Or	MSISDN <MSISDN>	[1..1]	Text		409
Or}	Email <Email>	[1..1]	Text		409

18.4.3.3.4.6.1 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 1479

Constraints

- **IBAN**

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

18.4.3.3.4.6.2 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 1479

18.4.3.3.4.6.3 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: "UPIIdentifier" on page 1480

18.4.3.3.4.6.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		409

18.4.3.3.4.6.4.1 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 1483

18.4.3.3.4.6.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

18.4.3.3.4.6.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

18.4.3.3.4.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	409
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		410

18.4.3.3.4.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

Constraints

- **AnyBIC**

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

18.4.3.3.4.7.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

18.4.3.3.5 ProtectedAccountData <PrctcdAcctData>

Presence: [0..1]

Definition: Encryption of account information.

ProtectedAccountData <PrctcdAcctData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

18.4.3.3.6 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Amount to be authorised by the issuer.

TotalRequestedAmount <TtlReqdAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

18.4.3.3.7 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Amounts of the withdrawal transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following elements (see "[DetailedAmount12](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1320
	Currency <Ccy>	[0..1]	CodeSet	C1	1320
	Fees <Fees>	[0..*]	±		1320
	Donation <Dontrn>	[0..*]	±		1320

18.4.3.3.8 CurrencyConversionResult <CcyConvRsIt>

Presence: [0..1]

Definition: Currency conversion accepted by the customer, either to convert the amount to dispense in the base currency of the ATM, or to convert the total requested amount in the currency of the customer (so called dynamic currency conversion).

CurrencyConversionResult <CcyConvRsIt> contains the following **CurrencyConversion32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		413
	TargetCurrency <TrgtCcy>	[1..1]			413
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	413
	NumericCode <NmrcCd>	[0..1]	Text		413
	Decimal <Dcml>	[0..1]	Quantity		413
	Name <Nm>	[0..1]	Text		413
	ResultingAmount <RsltAmt>	[1..1]	Amount		414
	ExchangeRate <XchgRate>	[1..1]	Rate		414
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		414
	QuotationDate <QtnDt>	[0..1]	DateTime		414
	ValidUntil <VldUntil>	[0..1]	DateTime		414
	SourceCurrency <SrcCcy>	[1..1]			414
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	414
	NumericCode <NmrcCd>	[0..1]	Text		415
	Decimal <Dcml>	[0..1]	Quantity		415
	Name <Nm>	[0..1]	Text		415
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		415
	CommissionDetails <ComssnDtls>	[0..*]			415
	Amount <Amt>	[1..1]	Amount		415
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	MarkUpDetails <MrkUpDtls>	[0..*]			416
	Rate <Rate>	[1..1]	Rate		416
	AdditionalInformation <AddtlInf>	[0..1]	Text		416
	DeclarationDetails <DclrtnDtls>	[0..1]			416
	Format <Frmt>	[0..1]	CodeSet		416
	MessageContent <MsgCntt>	[1..1]	Text		417
	ReferenceRate <RefRate>	[0..1]			417
	ExchangeRate <XchgRate>	[1..1]	Rate		417
	PublishDate <PblshDt>	[1..1]	DateTime		417
	AdditionalInformation <AddtlInf>	[0..1]	Text		417

18.4.3.3.8.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

Definition: Identification of the currency conversion operation.

Datatype: "Max35Text" on page 1483

18.4.3.3.8.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	413
	NumericCode <NmrcCd>	[0..1]	Text		413
	Decimal <Dcml>	[0..1]	Quantity		413
	Name <Nm>	[0..1]	Text		413

18.4.3.3.8.2.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

18.4.3.3.8.2.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

18.4.3.3.8.2.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

18.4.3.3.8.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

18.4.3.3.8.3 ResultingAmount <RsltgAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including commission and mark-up.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

18.4.3.3.8.4 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 1481

18.4.3.3.8.5 InvertedExchangeRate <NvrtedXchgRate>

Presence: [0..1]

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

Datatype: "PercentageRate" on page 1481

18.4.3.3.8.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1478

18.4.3.3.8.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1478

18.4.3.3.8.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	414
	NumericCode <NmrcCd>	[0..1]	Text		415
	Decimal <Dcml>	[0..1]	Quantity		415
	Name <Nm>	[0..1]	Text		415

18.4.3.3.8.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

18.4.3.3.8.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

18.4.3.3.8.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

18.4.3.3.8.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

18.4.3.3.8.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

18.4.3.3.8.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		415
	AdditionalInformation <AddtlInf>	[0..1]	Text		416

18.4.3.3.8.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

18.4.3.3.8.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 1483

18.4.3.3.8.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Mark-up 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		416
	AdditionalInformation <AddtlInf>	[0..1]	Text		416

18.4.3.3.8.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 1481

18.4.3.3.8.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 1483

18.4.3.3.8.12 DeclarationDetails <DclrtnDtls>

Presence: [0..1]

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

DeclarationDetails <DclrtnDtls> contains the following **ActionMessage5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		416
	MessageContent <MsgCntt>	[1..1]	Text		417

18.4.3.3.8.12.1 Format <Frmt>

Presence: [0..1]

Definition: Format of the content.

Datatype: "OutputFormat1Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

18.4.3.3.8.12.2 MessageContent <MsgCntt>

Presence: [1..1]

Definition: Text or graphic data to be display or printed to the cardholder or the cashier.

Datatype: "Max20000Text" on page 1482

18.4.3.3.8.13 ReferenceRate <RefRate>

Presence: [0..1]

Definition: Reference exchange rate to be shown to the consumer. Requirement within the EC, see 'REGULATION (EC) No 924/2009 OF THE EUROPEAN PARLIAMENT', 'P8_TA(2019)0124' and '2018/0076 (Article 3a)'.

ReferenceRate <RefRate> contains the following **ATMExchangeRateComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeRate <XchgRate>	[1..1]	Rate		417
	PublishDate <PblshDt>	[1..1]	DateTime		417
	AdditionalInformation <AddtlInf>	[0..1]	Text		417

18.4.3.3.8.13.1 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 1481

18.4.3.3.8.13.2 PublishDate <PblshDt>

Presence: [1..1]

Definition: Date when exchange rate published.

Datatype: "ISODateTime" on page 1478

18.4.3.3.8.13.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information to be provided to the consumer related to the reference rate.

Datatype: "Max256Text" on page 1483

18.4.3.3.9 SelectedMixType <SelctdMixTp>

Presence: [0..1]

Definition: Media mix algorithm, the identification of the algorithm is an agreement between the ATM and the ATM manager.

Datatype: "Max35Text" on page 1483

18.4.3.3.10 SelectedMix <SelctdMix>

Presence: [0..*]

Definition: Media mix selected.

SelectedMix <SelctdMix> contains the following elements (see "ATMMediaMix1" on page 1360 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashUnitNumber <CshUnitNb>	[0..1]	Quantity		1360
	Number <Nb>	[1..1]	Quantity		1360
	UnitValue <UnitVal>	[1..1]	Amount		1360

18.4.3.3.11 RequestedReceipt <ReqdRct>

Presence: [0..1]

Definition: True if a receipt has be requested by the customer.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

18.4.3.3.12 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

18.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		419
	AuthenticatedData <AuthntcdData>	[1..1]	±		419

18.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

18.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

19 **catp.002.001.03**

ATMWithdrawalResponseV03

19.1 **MessageDefinition Functionality**

The ATMWithdrawalResponse message is sent by an acquirer or its agent to an ATM in response to the ATMWithdrawalRequest to inform the ATM of the approval or decline of the withdrawal transaction.

Outline

The ATMWithdrawalResponseV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMWithdrawalResponse
Encrypted body of the message.
- C. ATMWithdrawalResponse
Information related to the response of an ATM withdrawal transaction from an ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

19.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMWdrwlRspn>	[1..1]			
	Header <Hdr>	[1..1]			428
	MessageFunction <MsgFctn>	[1..1]			428
	Function <Fctn>	[1..1]	CodeSet		429
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		430
	HostServiceCode <HstSvcCd>	[0..1]	Text		430
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		430
	ExchangeIdentification <XchgId>	[1..1]	Text		431
	CreationDateTime <CreDtTm>	[1..1]	DateTime		431
	InitiatingParty <InitgPty>	[1..1]	Text		431
	RecipientParty <RcptPty>	[0..1]	Text		431
	ProcessState <PrcStat>	[0..1]	Text		431
	Traceability <Tracblt>	[0..*]			431
	RelayIdentification <RlayId>	[1..1]	±		431
	SequenceNumber <SeqNb>	[0..1]	Text		432
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		432
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		432
	ProtectedATMWithdrawalResponse <PrtctdATMWdrwlRspn>	[0..1]	±		432
	ATMWithdrawalResponse <ATMWdrwlRspn>	[0..1]			432
	Environment <Envt>	[1..1]			438
	Acquirer <Acqrr>	[0..1]	±		439
	ATMManager <ATMMgr>	[0..1]	±		440
	HostingEntity <HstgNtty>	[0..1]	±		440
	ATM <ATM>	[1..1]	±		440
	Customer <Cstmr>	[1..1]			441
	Profile <Prfl>	[0..1]			442
	ProfileReference <PrflRef>	[0..1]	Text		442
	CustomerIdentification <Cstmrlid>	[0..1]	Text		442
	AuthenticationResult <AuthntcnRslt>	[0..*]			442
	Method <Mtd>	[1..1]	CodeSet		443

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		443
	Result <RsIt>	[0..1]	CodeSet		444
	AdditionalResult <AddtlRsIt>	[0..1]	Text		444
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		444
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	444
	ProtectedCardData <PrctcdCardData>	[0..1]	±		445
	PlainCardData <PlainCardData>	[0..1]			445
	PAN <PAN>	[0..1]	Text		445
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		445
	EffectiveDate <FctvDt>	[0..1]	Text		445
	ExpiryDate <XpryDt>	[0..1]	Text		446
	Track1 <Trck1>	[0..1]	Text		446
	Track2 <Trck2>	[0..1]	Text		446
	Track3 <Trck3>	[0..1]	Text		446
	Context <Cntxt>	[1..1]			446
	SessionReference <SsnRef>	[0..1]	Text		447
	Service <Svc>	[0..1]			447
	ServiceReference <SvcRef>	[0..1]	Text		447
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		447
	HostServiceCode <HstSvcCd>	[0..1]	Text		448
	ServiceType <SvcTp>	[1..1]	CodeSet		448
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		448
	Transaction <Tx>	[1..1]			448
	TransactionIdentification <Txld>	[1..1]	±		453
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		454
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		454
	AccountData <AcctData>	[0..1]			454
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		455
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		456
	AccountName <AcctNm>	[0..1]	Text		457
	AccountOwner <AcctOwnr>	[0..1]			457

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		457
	Address <Adr>	[1..1]	±		457
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	AccountIdentifier <AcctIdr>	[0..1]			458
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	459
Or	BBAN <BBAN>	[1..1]	IdentifierSet		459
Or	UPIC <UPIC>	[1..1]	IdentifierSet		459
Or	DomesticAccount <DmstAcct>	[1..1]			459
	Identification <Id>	[1..1]	Text		459
Or	MSISDN <MSISDN>	[1..1]	Text		460
Or}	Email <Email>	[1..1]	Text		460
	CreditReference <CdtRef>	[0..1]	Text		460
	Servicer <Svcr>	[0..1]			460
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	460
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		460
	Balance <Bal>	[0..1]			461
	Amount <Amt>	[1..1]	Amount	C6	461
	Sign <Sgn>	[0..1]	Indicator		461
	Date <Dt>	[0..1]	Date		462
	Label <Lbl>	[0..1]	Text		462
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		462
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		462
	ProtectedAccountData <PrctdAcctData>	[0..1]	±		462
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..1]	±		463
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		463
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		463
	CurrencyConversionEligibility <CcyConvslgblty>	[0..1]			463
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		465
	TargetCurrency <TrgtCcy>	[1..1]			465
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	465
	NumericCode <NmrcCd>	[0..1]	Text		465

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Decimal <Dcml>	[0..1]	Quantity		465
	Name <Nm>	[0..1]	Text		465
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		466
	ExchangeRate <XchgRate>	[1..1]	Rate		466
	InvertedExchangeRate <NvrtedXchgRate>	[0..1]	Rate		466
	QuotationDate <QtnDt>	[0..1]	DateTime		466
	ValidUntil <VldUntil>	[0..1]	DateTime		466
	SourceCurrency <SrcCcy>	[1..1]			466
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	466
	NumericCode <NmrcCd>	[0..1]	Text		467
	Decimal <Dcml>	[0..1]	Quantity		467
	Name <Nm>	[0..1]	Text		467
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		467
	CommissionDetails <ComssnDtls>	[0..*]			467
	Amount <Amt>	[1..1]	Amount		467
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	MarkUpDetails <MrkUpDtls>	[0..*]			468
	Rate <Rate>	[1..1]	Rate		468
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	DeclarationDetails <Dclrtndtls>	[0..1]			468
	Format <Frmt>	[0..1]	CodeSet		468
	MessageContent <MsgCntt>	[1..1]	Text		469
	ReferenceRate <RefRate>	[0..1]			469
	ExchangeRate <XchgRate>	[1..1]	Rate		469
	PublishDate <PblshDt>	[1..1]	DateTime		469
	AdditionalInformation <AddtlInf>	[0..1]	Text		469
	AdditionalCharge <AddtlChrg>	[0..*]	±		469
	Limits <Lmts>	[0..1]			470
	Currency <Ccy>	[0..1]	CodeSet	C1	470
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		470
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		471

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]			471
	Type <Tp>	[1..1]	Text		471
	Amount <Amt>	[1..1]	Amount		471
	Currency <Ccy>	[0..1]	CodeSet	C1	471
	Label <Lbl>	[0..1]	Text		472
	MixType <MixTp>	[0..1]	Text		472
	Mix <Mix>	[0..*]	±		472
	AuthorisationResult <AuthstnRslt>	[1..1]			472
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		473
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		474
	ResponseTrace <RspnTrac>	[0..*]			474
	ResponderIdentification <RspndrId>	[1..1]	Text		474
	Codification <Cdfctn>	[0..1]	Text		474
	Response <Rspn>	[1..1]	Text		475
	ResponseReason <RspnRsn>	[0..1]	Text		475
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		475
	AuthorisationCode <AuthstnCd>	[0..1]	Text		475
	Action <Actn>	[0..*]			475
	ActionType <ActnTp>	[1..1]	CodeSet		475
	MessageToPresent <MsgToPres>	[0..1]			476
	Format <Frmt>	[0..1]	CodeSet		476
	Message <Msg>	[0..1]	Text		477
	Reference <Ref>	[0..1]	Text		477
	Device <Dvc>	[0..1]	CodeSet		477
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		477
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		477
	FeeToAdd <FeeToAdd>	[0..*]			479
	Amount <Amt>	[1..1]	Amount		479
	Currency <Ccy>	[0..1]	CodeSet	C1	479
	FeeLabel <FeeLbl>	[0..1]	Text		480
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		480

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Command <Cmd>	[0..*]			480
	Type <Tp>	[1..1]	CodeSet		480
	Urgency <Urgcy>	[1..1]	CodeSet		481
	DateTime <DtTm>	[0..1]	DateTime		481
	CommandIdentification <CmdId>	[0..1]	±		481
	CommandParameters <CmdParams>	[0..1]	±		481
	AccountInformation <AcctInf>	[0..*]			482
	AccountType <AcctTp>	[0..1]	CodeSet		484
	AccountName <AcctNm>	[0..1]	Text		485
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		485
	Currency <Ccy>	[0..1]	CodeSet	C1	485
	AccountIdentifier <AcctIdr>	[0..1]			485
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	486
Or	BBAN <BBAN>	[1..1]	IdentifierSet		486
Or	UPIC <UPIC>	[1..1]	IdentifierSet		486
Or	DomesticAccount <DmstAcct>	[1..1]			486
	Identification <Id>	[1..1]	Text		487
Or	MSISDN <MSISDN>	[1..1]	Text		487
Or}	Email <Email>	[1..1]	Text		487
	CreditReference <CdtRef>	[0..1]	Text		487
	Servicer <Svcr>	[0..1]			487
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	487
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		488
	Balance <Bal>	[0..*]			488
	Amount <Amt>	[1..1]	Amount	C6	488
	Sign <Sgn>	[0..1]	Indicator		489
	Date <Dt>	[0..1]	Date		489
	Label <Lab>	[0..1]	Text		489
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		489
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		489
	AllowedService <AllwdSvc>	[0..*]			490

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		490
	ServiceVariant <SvcVarnt>	[0..*]			491
	Identification <Id>	[1..1]	Text		491
	Label <Lbl>	[0..1]	Text		491
	Limits <Lmts>	[0..*]			491
	Currency <Ccy>	[0..1]	CodeSet	C1	492
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		492
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		492
	AdditionalAmount <AddtlAmt>	[0..*]			492
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Lbl>	[0..1]	Text		493
	SecurityTrailer <SctyTrlr>	[0..1]			493
	ContentType <CnttTp>	[1..1]	CodeSet		494
	AuthenticatedData <AuthntcdData>	[1..1]	±		494

19.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

C6 ValidationByTable

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

19.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

19.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			428
	Function <Fctn>	[1..1]	CodeSet		429
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		430
	HostServiceCode <HstSvcCd>	[0..1]	Text		430
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		430
	ExchangeIdentification <XchgId>	[1..1]	Text		431
	CreationDateTime <CreDtTm>	[1..1]	DateTime		431
	InitiatingParty <InitgPty>	[1..1]	Text		431
	RecipientParty <RcptPty>	[0..1]	Text		431
	ProcessState <PrcStat>	[0..1]	Text		431
	Traceability <Tracblt>	[0..*]			431
	RelayIdentification <RlayId>	[1..1]	±		431
	SequenceNumber <SeqNb>	[0..1]	Text		432
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		432
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		432

19.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		429
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		430
	HostServiceCode <HstSvcCd>	[0..1]	Text		430

19.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.

CodeName	Name	Definition
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

19.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

19.4.1.1.3 HostSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

19.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

19.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

19.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

19.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

19.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

19.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

19.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		431
	SequenceNumber <SeqNb>	[0..1]	Text		432
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		432
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		432

19.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

19.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

19.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

19.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

19.4.2 ProtectedATMWithdrawalResponse <PrtctdATMWdrwlRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMWithdrawalResponse <PrtctdATMWdrwlRspn> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

19.4.3 ATMWithdrawalResponse <ATMWdrwlRspn>

Presence: [0..1]

Definition: Information related to the response of an ATM withdrawal transaction from an ATM manager.

ATMWithdrawalResponse <ATMWdrwlRspn> contains the following **ATMWithdrawalResponse3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			438
	Acquirer <Acqrr>	[0..1]	±		439
	ATMManager <ATMMgr>	[0..1]	±		440
	HostingEntity <HstgNtty>	[0..1]	±		440
	ATM <ATM>	[1..1]	±		440
	Customer <Cstmr>	[1..1]			441
	Profile <Prfl>	[0..1]			442
	ProfileReference <PrflRef>	[0..1]	Text		442
	CustomerIdentification <CstmrlId>	[0..1]	Text		442
	AuthenticationResult <AuthntcnRslt>	[0..*]			442
	Method <Mtd>	[1..1]	CodeSet		443
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		443
	Result <Rslt>	[0..1]	CodeSet		444
	AdditionalResult <AddtlRslt>	[0..1]	Text		444
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		444
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	444
	ProtectedCardData <PrtctdCardData>	[0..1]	±		445
	PlainCardData <PlainCardData>	[0..1]			445
	PAN <PAN>	[0..1]	Text		445
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		445
	EffectiveDate <FctvDt>	[0..1]	Text		445
	ExpiryDate <XpryDt>	[0..1]	Text		446
	Track1 <Trck1>	[0..1]	Text		446
	Track2 <Trck2>	[0..1]	Text		446
	Track3 <Trck3>	[0..1]	Text		446
	Context <Cntxt>	[1..1]			446
	SessionReference <SsnRef>	[0..1]	Text		447
	Service <Svc>	[0..1]			447
	ServiceReference <SvcRef>	[0..1]	Text		447
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		447

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HostServiceCode <HstSvcCd>	[0..1]	Text		448
	ServiceType <SvcTp>	[1..1]	CodeSet		448
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		448
	Transaction <Tx>	[1..1]			448
	TransactionIdentification <TxId>	[1..1]	±		453
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		454
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		454
	AccountData <AcctData>	[0..1]			454
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		455
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		456
	AccountName <AcctNm>	[0..1]	Text		457
	AccountOwner <AcctOwnr>	[0..1]			457
	Name <Nm>	[1..1]	Text		457
	Address <Adr>	[1..1]	±		457
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	AccountIdentifier <AcctIdr>	[0..1]			458
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	459
Or	BBAN <BBAN>	[1..1]	IdentifierSet		459
Or	UPIC <UPIC>	[1..1]	IdentifierSet		459
Or	DomesticAccount <DmstAcct>	[1..1]			459
	Identification <Id>	[1..1]	Text		459
Or	MSISDN <MSISDN>	[1..1]	Text		460
Or}	Email <Email>	[1..1]	Text		460
	CreditReference <CdtRef>	[0..1]	Text		460
	Servicer <Svcr>	[0..1]			460
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	460
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		460
	Balance <Bal>	[0..1]			461
	Amount <Amt>	[1..1]	Amount	C6	461
	Sign <Sgn>	[0..1]	Indicator		461
	Date <Dt>	[0..1]	Date		462

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Label <Lbl>	[0..1]	Text		462
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		462
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		462
	ProtectedAccountData <PrctdAcctData>	[0..1]	±		462
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..1]	±		463
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		463
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		463
	CurrencyConversionEligibility <CcyConvslElgblty>	[0..1]			463
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		465
	TargetCurrency <TrgtCcy>	[1..1]			465
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	465
	NumericCode <NmrcCd>	[0..1]	Text		465
	Decimal <Dcml>	[0..1]	Quantity		465
	Name <Nm>	[0..1]	Text		465
	ResultingAmount <RsltAmt>	[1..1]	Amount		466
	ExchangeRate <XchgRate>	[1..1]	Rate		466
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		466
	QuotationDate <QtnDt>	[0..1]	DateTime		466
	ValidUntil <VldUntil>	[0..1]	DateTime		466
	SourceCurrency <SrcCcy>	[1..1]			466
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	466
	NumericCode <NmrcCd>	[0..1]	Text		467
	Decimal <Dcml>	[0..1]	Quantity		467
	Name <Nm>	[0..1]	Text		467
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		467
	CommissionDetails <ComssnDtls>	[0..*]			467
	Amount <Amt>	[1..1]	Amount		467
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	MarkUpDetails <MrkUpDtls>	[0..*]			468
	Rate <Rate>	[1..1]	Rate		468
	AdditionalInformation <AddtlInf>	[0..1]	Text		468

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DeclarationDetails <DclrtnDtls>	[0..1]			468
	Format <Frmt>	[0..1]	CodeSet		468
	MessageContent <MsgCntt>	[1..1]	Text		469
	ReferenceRate <RefRate>	[0..1]			469
	ExchangeRate <XchgRate>	[1..1]	Rate		469
	PublishDate <PblshDt>	[1..1]	DateTime		469
	AdditionalInformation <AddtlInf>	[0..1]	Text		469
	AdditionalCharge <AddtlChrg>	[0..*]	±		469
	Limits <Lmts>	[0..1]			470
	Currency <Ccy>	[0..1]	CodeSet	C1	470
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		470
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		471
	AdditionalAmount <AddtlAmt>	[0..*]			471
	Type <Tp>	[1..1]	Text		471
	Amount <Amt>	[1..1]	Amount		471
	Currency <Ccy>	[0..1]	CodeSet	C1	471
	Label <Lbl>	[0..1]	Text		472
	MixType <MixTp>	[0..1]	Text		472
	Mix <Mix>	[0..*]	±		472
	AuthorisationResult <AuthstnRslt>	[1..1]			472
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		473
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		474
	ResponseTrace <RspnTrac>	[0..*]			474
	ResponderIdentification <Rspndrld>	[1..1]	Text		474
	Codification <Cdfctn>	[0..1]	Text		474
	Response <Rspn>	[1..1]	Text		475
	ResponseReason <RspnRsn>	[0..1]	Text		475
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		475
	AuthorisationCode <AuthstnCd>	[0..1]	Text		475
	Action <Actn>	[0..*]			475
	ActionType <ActnTp>	[1..1]	CodeSet		475

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageToPresent <MsgToPres>	[0..1]			476
	Format <Frmt>	[0..1]	CodeSet		476
	Message <Msg>	[0..1]	Text		477
	Reference <Ref>	[0..1]	Text		477
	Device <Dvc>	[0..1]	CodeSet		477
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		477
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		477
	FeeToAdd <FeeToAdd>	[0..*]			479
	Amount <Amt>	[1..1]	Amount		479
	Currency <Ccy>	[0..1]	CodeSet	C1	479
	FeeLabel <FeeLbl>	[0..1]	Text		480
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		480
	Command <Cmd>	[0..*]			480
	Type <Tp>	[1..1]	CodeSet		480
	Urgency <Urgcy>	[1..1]	CodeSet		481
	DateTime <DtTm>	[0..1]	DateTime		481
	CommandIdentification <CmdId>	[0..1]	±		481
	CommandParameters <CmdParams>	[0..1]	±		481
	AccountInformation <AcctInf>	[0..*]			482
	AccountType <AcctTp>	[0..1]	CodeSet		484
	AccountName <AcctNm>	[0..1]	Text		485
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		485
	Currency <Ccy>	[0..1]	CodeSet	C1	485
	AccountIdentifier <AcctIdr>	[0..1]			485
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	486
Or	BBAN <BBAN>	[1..1]	IdentifierSet		486
Or	UPIC <UPIC>	[1..1]	IdentifierSet		486
Or	DomesticAccount <DmstAcct>	[1..1]			486
	Identification <Id>	[1..1]	Text		487
Or	MSISDN <MSISDN>	[1..1]	Text		487
Or}	Email <Email>	[1..1]	Text		487

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CreditReference <CdtRef>	[0..1]	Text		487
	Servicer <Svcr>	[0..1]			487
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	487
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		488
	Balance <Bal>	[0..*]			488
	Amount <Amt>	[1..1]	Amount	C6	488
	Sign <Sgn>	[0..1]	Indicator		489
	Date <Dt>	[0..1]	Date		489
	Label <Lbl>	[0..1]	Text		489
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		489
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		489
	AllowedService <AllwdSvc>	[0..*]			490
	ServiceType <SvcTp>	[1..1]	CodeSet		490
	ServiceVariant <SvcVarnt>	[0..*]			491
	Identification <Id>	[1..1]	Text		491
	Label <Lbl>	[0..1]	Text		491
	Limits <Lmts>	[0..*]			491
	Currency <Ccy>	[0..1]	CodeSet	C1	492
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		492
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		492
	AdditionalAmount <AddtlAmt>	[0..*]			492
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Lbl>	[0..1]	Text		493

19.4.3.1 Environment <Env>

Presence: [1..1]

Definition: Environment of the withdrawal transaction.

Environment <Envt> contains the following **ATMEnvironment21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		439
	ATMManager <ATMMgr>	[0..1]	±		440
	HostingEntity <HstgNtty>	[0..1]	±		440
	ATM <ATM>	[1..1]	±		440
	Customer <Cstmr>	[1..1]			441
	Profile <Prfl>	[0..1]			442
	ProfileReference <PrflRef>	[0..1]	Text		442
	CustomerIdentification <CstmrlId>	[0..1]	Text		442
	AuthenticationResult <AuthntcnRslt>	[0..*]			442
	Method <Mtd>	[1..1]	CodeSet		443
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		443
	Result <Rslt>	[0..1]	CodeSet		444
	AdditionalResult <AddtlRslt>	[0..1]	Text		444
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		444
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	444
	ProtectedCardData <PrctcdCardData>	[0..1]	±		445
	PlainCardData <PlainCardData>	[0..1]			445
	PAN <PAN>	[0..1]	Text		445
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		445
	EffectiveDate <FctvDt>	[0..1]	Text		445
	ExpiryDate <XpryDt>	[0..1]	Text		446
	Track1 <Trck1>	[0..1]	Text		446
	Track2 <Trck2>	[0..1]	Text		446
	Track3 <Trck3>	[0..1]	Text		446

19.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

19.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "Acquirer8" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

19.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

19.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine2" on page 1354 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1355
	AdditionalIdentification <AddtlId>	[0..1]	Text		1355
	SequenceNumber <SeqNb>	[0..1]	Text		1355
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1356
	Location <Lctn>	[0..1]			1356
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

19.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			442
	ProfileReference <PrflRef>	[0..1]	Text		442
	CustomerIdentification <CstmrlId>	[0..1]	Text		442
	AuthenticationResult <AuthntcnRslt>	[0..*]			442
	Method <Mtd>	[1..1]	CodeSet		443
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		443
	Result <Rslt>	[0..1]	CodeSet		444
	AdditionalResult <AddtlRslt>	[0..1]	Text		444
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		444
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	444

19.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		442
	CustomerIdentification <CstmrlId>	[0..1]	Text		442

19.4.3.1.5.1.1 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

19.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

19.4.3.1.5.2 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		443
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		443
	Result <Rslt>	[0..1]	CodeSet		444
	AdditionalResult <AddtlRslt>	[0..1]	Text		444
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		444

19.4.3.1.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

19.4.3.1.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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).

CodeName	Name	Definition
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

19.4.3.1.5.2.3 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

19.4.3.1.5.2.4 AdditionalResult <AddtlRsIt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

19.4.3.1.5.2.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

19.4.3.1.5.3 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

19.4.3.1.6 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Encryption of the sensitive card data.

ProtectedCardData <PrtctdCardData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

19.4.3.1.7 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		445
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		445
	EffectiveDate <FctvDt>	[0..1]	Text		445
	ExpiryDate <XpryDt>	[0..1]	Text		446
	Track1 <Trck1>	[0..1]	Text		446
	Track2 <Trck2>	[0..1]	Text		446
	Track3 <Trck3>	[0..1]	Text		446

19.4.3.1.7.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "[Min8Max28NumericText](#)" on page 1486

19.4.3.1.7.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "[Min2Max3NumericText](#)" on page 1485

19.4.3.1.7.3 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 1482

19.4.3.1.7.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

19.4.3.1.7.5 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 1485

19.4.3.1.7.6 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 1483

19.4.3.1.7.7 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 1481

19.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		447
	Service <Svc>	[0..1]			447
	ServiceReference <SvcRef>	[0..1]	Text		447
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		447
	HostServiceCode <HstSvcCd>	[0..1]	Text		448
	ServiceType <SvcTp>	[1..1]	CodeSet		448
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		448

19.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

19.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		447
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		447
	HostServiceCode <HstSvcCd>	[0..1]	Text		448
	ServiceType <SvcTp>	[1..1]	CodeSet		448
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		448

19.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

19.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

19.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

19.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of withdrawal selected by the customer.

Datatype: "ATMServiceType1Code" on page 1451

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.

19.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

19.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Response to the withdrawal transaction request.

Transaction <Tx> contains the following **ATMTransaction49** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		453
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		454
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		454
	AccountData <AcctData>	[0..1]			454
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		455
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		456
	AccountName <AcctNm>	[0..1]	Text		457
	AccountOwner <AcctOwnr>	[0..1]			457
	Name <Nm>	[1..1]	Text		457
	Address <Adr>	[1..1]	±		457
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	AccountIdentifier <AcctIdr>	[0..1]			458
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	459
Or	BBAN <BBAN>	[1..1]	IdentifierSet		459
Or	UPIC <UPIC>	[1..1]	IdentifierSet		459
Or	DomesticAccount <DmstAcct>	[1..1]			459
	Identification <Id>	[1..1]	Text		459
Or	MSISDN <MSISDN>	[1..1]	Text		460
Or}	Email <Email>	[1..1]	Text		460
	CreditReference <CdtRef>	[0..1]	Text		460
	Servicer <Svcr>	[0..1]			460
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	460
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		460
	Balance <Bal>	[0..1]			461
	Amount <Amt>	[1..1]	Amount	C6	461
	Sign <Sgn>	[0..1]	Indicator		461
	Date <Dt>	[0..1]	Date		462
	Label <Labl>	[0..1]	Text		462
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		462
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		462
	ProtectedAccountData <PrctcdAcctData>	[0..1]	±		462

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..1]	±		463
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		463
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		463
	CurrencyConversionEligibility <CcyConvsElgbly>	[0..1]			463
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		465
	TargetCurrency <TrgtCcy>	[1..1]			465
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	465
	NumericCode <NmrcCd>	[0..1]	Text		465
	Decimal <Dcml>	[0..1]	Quantity		465
	Name <Nm>	[0..1]	Text		465
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		466
	ExchangeRate <XchgRate>	[1..1]	Rate		466
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		466
	QuotationDate <QtnDt>	[0..1]	DateTime		466
	ValidUntil <VldUntil>	[0..1]	DateTime		466
	SourceCurrency <SrcCcy>	[1..1]			466
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	466
	NumericCode <NmrcCd>	[0..1]	Text		467
	Decimal <Dcml>	[0..1]	Quantity		467
	Name <Nm>	[0..1]	Text		467
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		467
	CommissionDetails <ComssnDtls>	[0..*]			467
	Amount <Amt>	[1..1]	Amount		467
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	MarkUpDetails <MrkUpDtls>	[0..*]			468
	Rate <Rate>	[1..1]	Rate		468
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	DeclarationDetails <DclrtDtls>	[0..1]			468
	Format <Frmt>	[0..1]	CodeSet		468
	MessageContent <MsgCntt>	[1..1]	Text		469
	ReferenceRate <RefRate>	[0..1]			469

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeRate <XchgRate>	[1..1]	Rate		469
	PublishDate <PblshDt>	[1..1]	DateTime		469
	AdditionalInformation <AddtlInf>	[0..1]	Text		469
	AdditionalCharge <AddtlChrg>	[0..*]	±		469
	Limits <Lmts>	[0..1]			470
	Currency <Ccy>	[0..1]	CodeSet	C1	470
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		470
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		471
	AdditionalAmount <AddtlAmt>	[0..*]			471
	Type <Tp>	[1..1]	Text		471
	Amount <Amt>	[1..1]	Amount		471
	Currency <Ccy>	[0..1]	CodeSet	C1	471
	Label <Lbl>	[0..1]	Text		472
	MixType <MixTp>	[0..1]	Text		472
	Mix <Mix>	[0..*]	±		472
	AuthorisationResult <AuthstnRslt>	[1..1]			472
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		473
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		474
	ResponseTrace <RspnTrac>	[0..*]			474
	ResponderIdentification <RspndrId>	[1..1]	Text		474
	Codification <Cdfctn>	[0..1]	Text		474
	Response <Rspn>	[1..1]	Text		475
	ResponseReason <RspnRsn>	[0..1]	Text		475
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		475
	AuthorisationCode <AuthstnCd>	[0..1]	Text		475
	Action <Actn>	[0..*]			475
	ActionType <ActnTp>	[1..1]	CodeSet		475
	MessageToPresent <MsgToPres>	[0..1]			476
	Format <Frmt>	[0..1]	CodeSet		476
	Message <Msg>	[0..1]	Text		477
	Reference <Ref>	[0..1]	Text		477

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	CodeSet		477
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		477
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		477
	FeeToAdd <FeeToAdd>	[0..*]			479
	Amount <Amt>	[1..1]	Amount		479
	Currency <Ccy>	[0..1]	CodeSet	C1	479
	FeeLabel <FeeLbl>	[0..1]	Text		480
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		480
	Command <Cmd>	[0..*]			480
	Type <Tp>	[1..1]	CodeSet		480
	Urgency <Urgcy>	[1..1]	CodeSet		481
	DateTime <DtTm>	[0..1]	DateTime		481
	CommandIdentification <Cmdld>	[0..1]	±		481
	CommandParameters <CmdParams>	[0..1]	±		481
	AccountInformation <AcctInf>	[0..*]			482
	AccountType <AcctTp>	[0..1]	CodeSet		484
	AccountName <AcctNm>	[0..1]	Text		485
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		485
	Currency <Ccy>	[0..1]	CodeSet	C1	485
	AccountIdentifier <Acctldr>	[0..1]			485
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	486
Or	BBAN <BBAN>	[1..1]	IdentifierSet		486
Or	UPIC <UPIC>	[1..1]	IdentifierSet		486
Or	DomesticAccount <DmstAcct>	[1..1]			486
	Identification <ld>	[1..1]	Text		487
Or	MSISDN <MSISDN>	[1..1]	Text		487
Or}	Email <Email>	[1..1]	Text		487
	CreditReference <CdtRef>	[0..1]	Text		487
	Servicer <Svcr>	[0..1]			487
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	487
Or}	ProprietaryIdentification <Prtryld>	[1..1]	±		488

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Balance <Bal>	[0..*]			488
	Amount <Amt>	[1..1]	Amount	C6	488
	Sign <Sgn>	[0..1]	Indicator		489
	Date <Dt>	[0..1]	Date		489
	Label <Lbl>	[0..1]	Text		489
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		489
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		489
	AllowedService <AllwdSvc>	[0..*]			490
	ServiceType <SvcTp>	[1..1]	CodeSet		490
	ServiceVariant <SvcVarnt>	[0..*]			491
	Identification <Id>	[1..1]	Text		491
	Label <Lbl>	[0..1]	Text		491
	Limits <Lmts>	[0..*]			491
	Currency <Ccy>	[0..1]	CodeSet	C1	492
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		492
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		492
	AdditionalAmount <AddtlAmt>	[0..*]			492
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Lbl>	[0..1]	Text		493

19.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

19.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

19.4.3.3.3 CompletionRequired <CmpltnReqrd>

Presence: [0..1]

Definition: True if a withdrawal completion advice has to be sent after the end of the transaction.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

19.4.3.3.4 AccountData <AcctData>

Presence: [0..1]

Definition: Unprotected account information.

AccountData <AcctData> contains the following **CardAccount22** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		455
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		456
	AccountName <AcctNm>	[0..1]	Text		457
	AccountOwner <AcctOwnr>	[0..1]			457
	Name <Nm>	[1..1]	Text		457
	Address <Adr>	[1..1]	±		457
	Currency <Ccy>	[0..1]	CodeSet	C1	458
	AccountIdentifier <AcctIdr>	[0..1]			458
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	459
Or	BBAN <BBAN>	[1..1]	IdentifierSet		459
Or	UPIC <UPIC>	[1..1]	IdentifierSet		459
Or	DomesticAccount <DmstAcct>	[1..1]			459
	Identification <Id>	[1..1]	Text		459
Or	MSISDN <MSISDN>	[1..1]	Text		460
Or}	Email <Email>	[1..1]	Text		460
	CreditReference <CdtRef>	[0..1]	Text		460
	Servicer <Svcr>	[0..1]			460
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	460
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		460
	Balance <Bal>	[0..1]			461
	Amount <Amt>	[1..1]	Amount	C6	461
	Sign <Sgn>	[0..1]	Indicator		461
	Date <Dt>	[0..1]	Date		462
	Label <Lbl>	[0..1]	Text		462
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		462
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		462

19.4.3.3.4.1 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

19.4.3.3.4.2 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

CodeName	Name	Definition
FLTC	FleetCard	Fleet card account.

19.4.3.3.4.3 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

19.4.3.3.4.4 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		457
	Address <Adr>	[1..1]	±		457

19.4.3.3.4.4.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

19.4.3.3.4.4.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

19.4.3.3.4.5 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.4.6 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	459
Or	BBAN <BBAN>	[1..1]	IdentifierSet		459
Or	UPIC <UPIC>	[1..1]	IdentifierSet		459
Or	DomesticAccount <DmstAcct>	[1..1]			459
	Identification <Id>	[1..1]	Text		459
Or	MSISDN <MSISDN>	[1..1]	Text		460
Or}	Email <Email>	[1..1]	Text		460

19.4.3.3.4.6.1 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 1479

Constraints

- **IBAN**

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

19.4.3.3.4.6.2 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 1479

19.4.3.3.4.6.3 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 1480

19.4.3.3.4.6.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		459

19.4.3.3.4.6.4.1 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 1483

19.4.3.3.4.6.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

19.4.3.3.4.6.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

19.4.3.3.4.7 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

19.4.3.3.4.8 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	460
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		460

19.4.3.3.4.8.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

19.4.3.3.4.8.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

19.4.3.3.4.9 Balance <Bal>

Presence: [0..1]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	461
	Sign <Sgn>	[0..1]	Indicator		461
	Date <Dt>	[0..1]	Date		462
	Label <Lab>	[0..1]	Text		462

19.4.3.3.4.9.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

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

Datatype: "[CurrencyAndAmount](#)" on page 1431

Constraints

- **ValidationByTable**

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

19.4.3.3.4.9.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.4.3.3.4.9.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

19.4.3.3.4.9.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

19.4.3.3.4.10 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

19.4.3.3.4.11 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

19.4.3.3.5 ProtectedAccountData <PrctcdAcctData>

Presence: [0..1]

Definition: Encryption of account information.

ProtectedAccountData <PrctcdAcctData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

19.4.3.3.6 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [1..1]

Definition: Total authorised amount.

TotalAuthorisedAmount <TtlAuthrsdAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

19.4.3.3.7 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Total requested amount.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1431

19.4.3.3.8 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Detail of the requested amounts for the withdrawal transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following elements (see "[DetailedAmount12](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1320
	Currency <Ccy>	[0..1]	CodeSet	C1	1320
	Fees <Fees>	[0..*]	±		1320
	Donation <Dontn>	[0..*]	±		1320

19.4.3.3.9 CurrencyConversionEligibility <CcyConvslElgblty>

Presence: [0..1]

Definition: Currency conversion accepted by the customer, either to convert the amount to dispense in the base currency of the ATM, or to convert the total requested amount in the currency of the customer (so called dynamic currency conversion).

CurrencyConversionEligibility <CcyConvslElgblty> contains the following **CurrencyConversion32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		465
	TargetCurrency <TrgtCcy>	[1..1]			465
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	465
	NumericCode <NmrcCd>	[0..1]	Text		465
	Decimal <Dcml>	[0..1]	Quantity		465
	Name <Nm>	[0..1]	Text		465
	ResultingAmount <RsltgAmt>	[1..1]	Amount		466
	ExchangeRate <XchgRate>	[1..1]	Rate		466
	InvertedExchangeRate <NvtrdXchgRate>	[0..1]	Rate		466
	QuotationDate <QtnDt>	[0..1]	DateTime		466
	ValidUntil <VldUntil>	[0..1]	DateTime		466
	SourceCurrency <SrcCcy>	[1..1]			466
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	466
	NumericCode <NmrcCd>	[0..1]	Text		467
	Decimal <Dcml>	[0..1]	Quantity		467
	Name <Nm>	[0..1]	Text		467
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		467
	CommissionDetails <ComssnDtls>	[0..*]			467
	Amount <Amt>	[1..1]	Amount		467
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	MarkUpDetails <MrkUpDtls>	[0..*]			468
	Rate <Rate>	[1..1]	Rate		468
	AdditionalInformation <AddtlInf>	[0..1]	Text		468
	DeclarationDetails <DclrtnDtls>	[0..1]			468
	Format <Frmt>	[0..1]	CodeSet		468
	MessageContent <MsgCntt>	[1..1]	Text		469
	ReferenceRate <RefRate>	[0..1]			469
	ExchangeRate <XchgRate>	[1..1]	Rate		469
	PublishDate <PblshDt>	[1..1]	DateTime		469
	AdditionalInformation <AddtlInf>	[0..1]	Text		469

19.4.3.3.9.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

Definition: Identification of the currency conversion operation.

Datatype: "Max35Text" on page 1483

19.4.3.3.9.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	465
	NumericCode <NmrcCd>	[0..1]	Text		465
	Decimal <Dcml>	[0..1]	Quantity		465
	Name <Nm>	[0..1]	Text		465

19.4.3.3.9.2.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.9.2.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

19.4.3.3.9.2.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

19.4.3.3.9.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

19.4.3.3.9.3 ResultingAmount <RsltgAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including commission and mark-up.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.9.4 ExchangeRate <XchgRate>

Presence: [1..1]

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

Datatype: "PercentageRate" on page 1481

19.4.3.3.9.5 InvertedExchangeRate <NvrtedXchgRate>

Presence: [0..1]

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

Datatype: "PercentageRate" on page 1481

19.4.3.3.9.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1478

19.4.3.3.9.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1478

19.4.3.3.9.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	466
	NumericCode <NmrcCd>	[0..1]	Text		467
	Decimal <Dcml>	[0..1]	Quantity		467
	Name <Nm>	[0..1]	Text		467

19.4.3.3.9.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.9.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

19.4.3.3.9.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

19.4.3.3.9.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

19.4.3.3.9.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.9.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		467
	AdditionalInformation <AddtlInf>	[0..1]	Text		468

19.4.3.3.9.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.9.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 1483

19.4.3.3.9.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Mark-up 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		468
	AdditionalInformation <AddtlInf>	[0..1]	Text		468

19.4.3.3.9.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 1481

19.4.3.3.9.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 1483

19.4.3.3.9.12 DeclarationDetails <DclrtnDtls>

Presence: [0..1]

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

DeclarationDetails <DclrtnDtls> contains the following **ActionMessage5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		468
	MessageContent <MsgCntt>	[1..1]	Text		469

19.4.3.3.9.12.1 Format <Frmt>

Presence: [0..1]

Definition: Format of the content.

Datatype: "OutputFormat1Code" on page 1469

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.

19.4.3.3.9.12.2 MessageContent <MsgCntt>

Presence: [1..1]

Definition: Text or graphic data to be display or printed to the cardholder or the cashier.

Datatype: "Max20000Text" on page 1482

19.4.3.3.9.13 ReferenceRate <RefRate>

Presence: [0..1]

Definition: Reference exchange rate to be shown to the consumer. Requirement within the EC, see 'REGULATION (EC) No 924/2009 OF THE EUROPEAN PARLIAMENT', 'P8_TA(2019)0124' and '2018/0076 (Article 3a)'.

ReferenceRate <RefRate> contains the following **ATMExchangeRateComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeRate <XchgRate>	[1..1]	Rate		469
	PublishDate <PblshDt>	[1..1]	DateTime		469
	AdditionalInformation <AddtlInf>	[0..1]	Text		469

19.4.3.3.9.13.1 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 1481

19.4.3.3.9.13.2 PublishDate <PblshDt>

Presence: [1..1]

Definition: Date when exchange rate published.

Datatype: "ISODateTime" on page 1478

19.4.3.3.9.13.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information to be provided to the consumer related to the reference rate.

Datatype: "Max256Text" on page 1483

19.4.3.3.10 AdditionalCharge <AddtlChrg>

Presence: [0..*]

Definition: Additional charge (for instance tax or fee).

AdditionalCharge <AddtlChrg> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

19.4.3.3.11 Limits <Lmts>

Presence: [0..1]

Definition: Limit of amounts for the customer.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	470
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		470
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		471
	AdditionalAmount <AddtlAmt>	[0..*]			471
	Type <Tp>	[1..1]	Text		471
	Amount <Amt>	[1..1]	Amount		471
	Currency <Ccy>	[0..1]	CodeSet	C1	471
	Label <Labl>	[0..1]	Text		472

19.4.3.3.11.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.11.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.11.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.11.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		471
	Amount <Amt>	[1..1]	Amount		471
	Currency <Ccy>	[0..1]	CodeSet	C1	471
	Label <Labl>	[0..1]	Text		472

19.4.3.3.11.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

19.4.3.3.11.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.11.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

19.4.3.3.11.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

19.4.3.3.12 MixType <MixTp>

Presence: [0..1]

Definition: Media mix algorithm requested by the ATM Host, the identification of the algorithm is an agreement between the ATM and the ATM manager.

Datatype: "Max35Text" on page 1483

19.4.3.3.13 Mix <Mix>

Presence: [0..*]

Definition: Media mix selected requested by the ATM Host.

Mix <Mix> contains the following elements (see "ATMMediaMix1" on page 1360 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashUnitNumber <CshUnitNb>	[0..1]	Quantity		1360
	Number <Nb>	[1..1]	Quantity		1360
	UnitValue <UnitVal>	[1..1]	Amount		1360

19.4.3.3.14 AuthorisationResult <AuthstnRsIt>

Presence: [1..1]

Definition: Outcome of the withdrawal authorisation.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		473
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		474
	ResponseTrace <RspnTrac>	[0..*]			474
	ResponderIdentification <RspndrId>	[1..1]	Text		474
	Codification <Cdfctn>	[0..1]	Text		474
	Response <Rspn>	[1..1]	Text		475
	ResponseReason <RspnRsn>	[0..1]	Text		475
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		475
	AuthorisationCode <AuthstnCd>	[0..1]	Text		475
	Action <Actn>	[0..*]			475
	ActionType <ActnTp>	[1..1]	CodeSet		475
	MessageToPresent <MsgToPres>	[0..1]			476
	Format <Frmt>	[0..1]	CodeSet		476
	Message <Msg>	[0..1]	Text		477
	Reference <Ref>	[0..1]	Text		477
	Device <Dvc>	[0..1]	CodeSet		477
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		477
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		477
	FeeToAdd <FeeToAdd>	[0..*]			479
	Amount <Amt>	[1..1]	Amount		479
	Currency <Ccy>	[0..1]	CodeSet	C1	479
	FeeLabel <FeeLbl>	[0..1]	Text		480

19.4.3.3.14.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

19.4.3.3.14.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see "[ResponseType12](#)" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

19.4.3.3.14.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		474
	Codification <Cdfctn>	[0..1]	Text		474
	Response <Rspn>	[1..1]	Text		475
	ResponseReason <RspnRsn>	[0..1]	Text		475
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		475

19.4.3.3.14.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: "[Max35Text](#)" on page 1483

19.4.3.3.14.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

19.4.3.3.14.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

19.4.3.3.14.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

19.4.3.3.14.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

19.4.3.3.14.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

19.4.3.3.14.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		475
	MessageToPresent <MsgToPres>	[0..1]			476
	Format <Frmt>	[0..1]	CodeSet		476
	Message <Msg>	[0..1]	Text		477
	Reference <Ref>	[0..1]	Text		477
	Device <Dvc>	[0..1]	CodeSet		477
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		477
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		477

19.4.3.3.14.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

19.4.3.3.14.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		476
	Message <Msg>	[0..1]	Text		477
	Reference <Ref>	[0..1]	Text		477
	Device <Dvc>	[0..1]	CodeSet		477
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		477

19.4.3.3.14.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

19.4.3.3.14.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

19.4.3.3.14.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

19.4.3.3.14.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

19.4.3.3.14.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

19.4.3.3.14.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

19.4.3.3.14.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		479
	Currency <Ccy>	[0..1]	CodeSet	C1	479
	FeeLabel <FeeLabl>	[0..1]	Text		480

19.4.3.3.14.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.14.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

19.4.3.3.14.6.3 FeeLabel <FeeLabel>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

19.4.3.3.15 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

19.4.3.3.16 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		480
	Urgency <Urgcy>	[1..1]	CodeSet		481
	DateTime <DtTm>	[0..1]	DateTime		481
	CommandIdentification <CmdId>	[0..1]	±		481
	CommandParameters <CmdParams>	[0..1]	±		481

19.4.3.3.16.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.

CodeName	Name	Definition
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

19.4.3.3.16.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

19.4.3.3.16.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

19.4.3.3.16.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <PrCr>	[0..1]	Text		1376

19.4.3.3.16.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

19.4.3.3.17 AccountInformation <AcctInf>

Presence: [0..*]

Definition: Account information associated to the customer.

AccountInformation <AcctInf> contains the following **CardAccount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		484
	AccountName <AcctNm>	[0..1]	Text		485
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		485
	Currency <Ccy>	[0..1]	CodeSet	C1	485
	AccountIdentifier <AcctIdr>	[0..1]			485
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	486
Or	BBAN <BBAN>	[1..1]	IdentifierSet		486
Or	UPIC <UPIC>	[1..1]	IdentifierSet		486
Or	DomesticAccount <DmstAcct>	[1..1]			486
	Identification <Id>	[1..1]	Text		487
Or	MSISDN <MSISDN>	[1..1]	Text		487
Or}	Email <Email>	[1..1]	Text		487
	CreditReference <CdtRef>	[0..1]	Text		487
	Servicer <Svcr>	[0..1]			487
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	487
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		488
	Balance <Bal>	[0..*]			488
	Amount <Amt>	[1..1]	Amount	C6	488
	Sign <Sgn>	[0..1]	Indicator		489
	Date <Dt>	[0..1]	Date		489
	Label <Lbl>	[0..1]	Text		489
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		489
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		489
	AllowedService <AllwdSvc>	[0..*]			490
	ServiceType <SvcTp>	[1..1]	CodeSet		490
	ServiceVariant <SvcVarnt>	[0..*]			491
	Identification <Id>	[1..1]	Text		491
	Label <Lbl>	[0..1]	Text		491
	Limits <Lmts>	[0..*]			491
	Currency <Ccy>	[0..1]	CodeSet	C1	492
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		492

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		492
	AdditionalAmount <AddtlAmt>	[0..*]			492
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Labl>	[0..1]	Text		493

19.4.3.3.17.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

19.4.3.3.17.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

19.4.3.3.17.3 AccountUsageCode <AcctUsgCd>

Presence: [0..1]

Definition: Determines whether the account is a destination or a source (or both) account.

Datatype: "ATMAccountUsage1Code" on page 1439

CodeName	Name	Definition
BOTH	Both	Can be both the source and the destination account.
DSTN	Destination	Destination account.
SRCE	Source	Source account.

19.4.3.3.17.4 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.17.5 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	486
Or	BBAN <BBAN>	[1..1]	IdentifierSet		486
Or	UPIC <UPIC>	[1..1]	IdentifierSet		486
Or	DomesticAccount <DmstAcct>	[1..1]			486
	Identification <Id>	[1..1]	Text		487
Or	MSISDN <MSISDN>	[1..1]	Text		487
Or}	Email <Email>	[1..1]	Text		487

19.4.3.3.17.5.1 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 1479

Constraints

- **IBAN**

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

19.4.3.3.17.5.2 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 1479

19.4.3.3.17.5.3 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 1480

19.4.3.3.17.5.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		487

19.4.3.3.17.5.4.1 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 1483

19.4.3.3.17.5.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

19.4.3.3.17.5.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

19.4.3.3.17.6 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

19.4.3.3.17.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	487
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		488

19.4.3.3.17.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

19.4.3.3.17.2 ProprietaryIdentification <Prtryld>

Presence: [1..1]

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

ProprietaryIdentification <Prtryld> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

19.4.3.3.17.8 Balance <Bal>

Presence: [0..*]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	488
	Sign <Sgn>	[0..1]	Indicator		489
	Date <Dt>	[0..1]	Date		489
	Label <Labl>	[0..1]	Text		489

19.4.3.3.17.8.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

19.4.3.3.17.8.2 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 1480](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

19.4.3.3.17.8.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: ["ISODate" on page 1478](#)

19.4.3.3.17.8.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: ["Max70Text" on page 1485](#)

19.4.3.3.17.9 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

19.4.3.3.17.10 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

19.4.3.3.17.11 AllowedService <AllwdSvc>

Presence: [0..*]

Definition: Service allowed on the account.

AllowedService <AllwdSvc> contains the following **ATMService29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		490
	ServiceVariant <SvcVarnt>	[0..*]			491
	Identification <Id>	[1..1]	Text		491
	Label <Labl>	[0..1]	Text		491
	Limits <Lmts>	[0..*]			491
	Currency <Ccy>	[0..1]	CodeSet	C1	492
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		492
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		492
	AdditionalAmount <AddtlAmt>	[0..*]			492
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Labl>	[0..1]	Text		493

19.4.3.3.17.11.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType13Code" on page 1450

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
PINC	PINChange	Modification of the card PIN value.
STDR	StandardWithdrawal	Standard withdrawal of items.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be

CodeName	Name	Definition
		absent from the withdrawal request message.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
TRFP	Payment	Funds transfer to pay a third party.

19.4.3.3.17.11.2 ServiceVariant <SvcVarnt>

Presence: [0..*]

Definition: Variant of the service.

ServiceVariant <SvcVarnt> contains the following **ATMService18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		491
	Label <Labl>	[0..1]	Text		491

19.4.3.3.17.11.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the service variant.

Datatype: "Max35Text" on page 1483

19.4.3.3.17.11.2.2 Label <Labl>

Presence: [0..1]

Definition: Label of the service variant.

Datatype: "Max35Text" on page 1483

19.4.3.3.17.11.3 Limits <Lmts>

Presence: [0..*]

Definition: Limits of amounts.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	492
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		492
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		492
	AdditionalAmount <AddtlAmt>	[0..*]			492
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Lbl>	[0..1]	Text		493

19.4.3.3.17.11.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.17.11.3.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.17.11.3.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.17.11.3.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		493
	Amount <Amt>	[1..1]	Amount		493
	Currency <Ccy>	[0..1]	CodeSet	C1	493
	Label <Labl>	[0..1]	Text		493

19.4.3.3.17.11.3.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

19.4.3.3.17.11.3.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

19.4.3.3.17.11.3.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

19.4.3.3.17.11.3.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

19.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		494
	AuthenticatedData <AuthntcdData>	[1..1]	±		494

19.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

19.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

20 **catp.003.001.03** **ATMWithdrawalCompletionAdviceV03**

20.1 **MessageDefinition Functionality**

The ATMWithdrawalCompletionAdvice message is sent by an ATM to an acquirer or its agent to inform of the result of a withdrawal transaction at an ATM.

If the ATM is configured to only send negative completion, a generic completion message should be used instead of ATMCompletionAdvice.

Outline

The ATMWithdrawalCompletionAdviceV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMWithdrawalCompletionAdvice
Encrypted body of the message.
- C. ATMWithdrawalCompletionAdvice
Information related to the completion of a withdrawal transaction on the ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

20.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMWdrwlCmpltnAdv>	[1..1]			
	Header <Hdr>	[1..1]			504
	MessageFunction <MsgFctn>	[1..1]			504
	Function <Fctn>	[1..1]	CodeSet		505
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		506
	HostServiceCode <HstSvcCd>	[0..1]	Text		506
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		506
	ExchangeIdentification <XchgId>	[1..1]	Text		507
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		507
	CreationDateTime <CreDtTm>	[1..1]	DateTime		507
	InitiatingParty <InitgPty>	[1..1]	Text		507
	RecipientParty <RcptPty>	[0..1]	Text		507
	ProcessState <PrctStat>	[0..1]	Text		507
	Traceability <Tracblt>	[0..*]			507
	RelayIdentification <RlayId>	[1..1]	±		508
	SequenceNumber <SeqNb>	[0..1]	Text		508
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		508
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		508
	ProtectedATMWithdrawalCompletionAdvice <PrtctdATMWdrwlCmpltnAdv>	[0..1]	±		508
	ATMWithdrawalCompletionAdvice <ATMWdrwlCmpltnAdv>	[0..1]			509
	Environment <Envt>	[1..1]			516
	Acquirer <Acqrr>	[0..1]	±		519
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		519
	HostingEntity <HstgNtty>	[0..1]	±		519
	ATM <ATM>	[1..1]			519
	Identification <Id>	[1..1]	Text		521
	AdditionalIdentification <AddtlId>	[0..1]	Text		521
	SequenceNumber <SeqNb>	[0..1]	Text		521
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	521

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]			521
	AddressLine <AdrLine>	[0..2]	Text		522
	StreetName <StrtNm>	[0..1]	Text		522
	BuildingNumber <BldgNb>	[0..1]	Text		522
	PostCode <PstCd>	[0..1]	Text		522
	TownName <TwnNm>	[1..1]	Text		523
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		523
	Country <Ctry>	[1..1]	CodeSet	C3	523
	GeoLocation <GLctn>	[0..1]			523
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			523
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524
Or}	UTMCoordinates <UTMCordints>	[1..1]			524
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		525
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		525
	Capabilities <Cpblties>	[0..1]	±		525
	Equipment <Eqpmnt>	[0..1]			526
	Manufacturer <Manfctr>	[0..1]	Text		527
	Model <Mdl>	[0..1]	Text		527
	SerialNumber <SrlNb>	[0..1]	Text		527
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		527
	ApplicationName <ApplNm>	[0..1]	Text		527
	ApplicationVersion <ApplVrsn>	[0..1]	Text		528
	ApprovalNumber <ApprvlNb>	[0..1]	Text		528
	ConfigurationParameter <CfgtnParam>	[0..*]			528
	Type <Tp>	[1..1]	CodeSet		528
	Version <Vrsn>	[1..1]	Text		529
	Customer <Cstmr>	[1..1]			529
	Profile <Prfl>	[0..1]			529

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		529
	ProfileReference <PrflRef>	[0..1]	Text		530
	CustomerIdentification <CstmrlId>	[0..1]	Text		530
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	530
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	530
	AuthenticationResult <AuthntcnRslt>	[1..*]			531
	Method <Mtd>	[1..1]	CodeSet		531
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		531
	Result <Rslt>	[0..1]	CodeSet		532
	AdditionalResult <AddtlRslt>	[0..1]	Text		532
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		532
	Card <Card>	[0..1]			532
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		533
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		534
	ProtectedCardData <PrctcdCardData>	[0..1]	±		534
	PlainCardData <PlainCardData>	[0..1]			534
	PAN <PAN>	[0..1]	Text		534
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		535
	EffectiveDate <FctvDt>	[0..1]	Text		535
	ExpiryDate <XpryDt>	[0..1]	Text		535
	Track1 <Trck1>	[0..1]	Text		535
	Track2 <Trck2>	[0..1]	Text		535
	Track3 <Trck3>	[0..1]	Text		535
	CardCountryCode <CardCtryCd>	[0..1]	Text		535
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		535
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	536
	Context <Cntxt>	[1..1]			536
	SessionReference <SsnRef>	[0..1]	Text		536
	Service <Svc>	[0..1]			536
	ServiceReference <SvcRef>	[0..1]	Text		537
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		537

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	HostServiceCode <HstSvcCd>	[0..1]	Text		537
	ServiceType <SvcTp>	[1..1]	CodeSet		537
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		538
	Transaction <Tx>	[1..1]			538
	TransactionIdentification <TxId>	[1..1]	±		543
	TransactionStatus <TxSts>	[1..1]	CodeSet		543
	MultiBundle <MultiBndl>	[0..1]	Indicator		543
	BundlePresentedAmount <BndlPresntdAmt>	[0..*]	Amount		544
	PresentedAmountStatus <PresntdAmtSts>	[1..1]	CodeSet		544
	Incident <IncDnt>	[0..*]	CodeSet		544
	IncidentDetail <IncDntDtl>	[0..*]	Text		546
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		546
	AccountData <AcctData>	[0..1]			546
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		547
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		547
	AccountName <AcctNm>	[0..1]	Text		548
	Currency <Ccy>	[0..1]	CodeSet	C1	548
	AccountIdentifier <AcctIdr>	[0..1]			549
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	549
Or	BBAN <BBAN>	[1..1]	IdentifierSet		549
Or	UPIC <UPIC>	[1..1]	IdentifierSet		550
Or	DomesticAccount <DmstAcct>	[1..1]			550
	Identification <Id>	[1..1]	Text		550
Or	MSISDN <MSISDN>	[1..1]	Text		550
Or}	Email <Email>	[1..1]	Text		550
	CreditReference <CdtRef>	[0..1]	Text		550
	Servicer <Svcr>	[0..1]			551
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	551
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		551
	ProtectedAccountData <PrctdAcctData>	[0..1]	±		551
	TotalPresentedAmount <TtlPresntdAmt>	[1..1]	±		552

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		552
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		552
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		552
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			553
	CurrencyConversionIdentification <CcyConvrsId>	[0..1]	Text		555
	TargetCurrency <TrgtCcy>	[1..1]			555
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	555
	NumericCode <NmrcCd>	[0..1]	Text		555
	Decimal <Dcml>	[0..1]	Quantity		555
	Name <Nm>	[0..1]	Text		555
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		556
	ExchangeRate <XchgRate>	[1..1]	Rate		556
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		556
	QuotationDate <QtnDt>	[0..1]	DateTime		556
	ValidUntil <VldUntil>	[0..1]	DateTime		556
	SourceCurrency <SrcCcy>	[1..1]			556
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	556
	NumericCode <NmrcCd>	[0..1]	Text		557
	Decimal <Dcml>	[0..1]	Quantity		557
	Name <Nm>	[0..1]	Text		557
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		557
	CommissionDetails <ComssnDtls>	[0..*]			557
	Amount <Amt>	[1..1]	Amount		557
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	MarkUpDetails <MrkUpDtls>	[0..*]			558
	Rate <Rate>	[1..1]	Rate		558
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	DeclarationDetails <Dclrtndtls>	[0..1]			558
	Format <Frmt>	[0..1]	CodeSet		558
	MessageContent <MsgCntt>	[1..1]	Text		559
	ReferenceRate <RefRate>	[0..1]			559

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeRate <XchgRate>	[1..1]	Rate		559
	PublishDate <PblshDt>	[1..1]	DateTime		559
	AdditionalInformation <AddtlInf>	[0..1]	Text		559
	AdditionalCharge <AddtlChrg>	[0..*]	±		559
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		560
	ReceiptPrinted <RctPrt>	[0..1]	Indicator		560
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		560
	Limits <Lmts>	[0..1]			560
	Currency <Ccy>	[0..1]	CodeSet	C1	561
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		561
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		561
	AdditionalAmount <AddtlAmt>	[0..*]			561
	Type <Tp>	[1..1]	Text		562
	Amount <Amt>	[1..1]	Amount		562
	Currency <Ccy>	[0..1]	CodeSet	C1	562
	Label <Lbl>	[0..1]	Text		562
	AuthorisationResult <AuthstnRslt>	[0..1]			562
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		563
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		564
	ResponseTrace <RspnTrac>	[0..*]			564
	ResponderIdentification <RspndrId>	[1..1]	Text		564
	Codification <Cdftcn>	[0..1]	Text		564
	Response <Rspn>	[1..1]	Text		565
	ResponseReason <RspnRsn>	[0..1]	Text		565
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		565
	AuthorisationCode <AuthstnCd>	[0..1]	Text		565
	Action <Actn>	[0..*]			565
	ActionType <ActnTp>	[1..1]	CodeSet		565
	MessageToPresent <MsgToPres>	[0..1]			566
	Format <Frmt>	[0..1]	CodeSet		566
	Message <Msg>	[0..1]	Text		567

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Reference <Ref>	[0..1]	Text		567
	Device <Dvc>	[0..1]	CodeSet		567
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		567
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		567
	FeeToAdd <FeeToAdd>	[0..*]			569
	Amount <Amt>	[1..1]	Amount		569
	Currency <Ccy>	[0..1]	CodeSet	C1	569
	FeeLabel <FeeLbl>	[0..1]	Text		570
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		570
	ATMTotals <ATMTtls>	[0..*]	±		570
	Cassette <Csstt>	[0..*]			570
	PhysicalIdentification <PhysId>	[0..1]	Text		572
	LogicalIdentification <LogclId>	[1..1]	Text		572
	SerialNumber <SrlNb>	[0..1]	Text		572
	Type <Tp>	[1..1]	CodeSet		572
	SubType <SubTp>	[0..*]	CodeSet		572
	MediaType <MdiaTp>	[0..1]	CodeSet		573
	MediaCounters <MdiaCntrs>	[0..*]			573
	UnitValue <UnitVal>	[0..1]	Amount		574
	Currency <Ccy>	[0..1]	CodeSet	C1	574
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		575
	InitialCount <InitlCnt>	[0..1]	Quantity		575
	CurrentNumber <CurNb>	[1..1]	Quantity		575
	CurrentAmount <CurAmt>	[0..1]	Amount		575
	FlowTotals <FlowTtls>	[0..*]			575
	Type <Tp>	[1..1]	CodeSet		576
	AddedNumber <AddedNb>	[0..1]	Quantity		576
	RemovedNumber <RmvdNb>	[0..1]	Quantity		577
	RemovedAmount <RmvdAmt>	[0..1]	Amount		577
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		577
	DepositedNumber <DpstNb>	[0..1]	Quantity		577

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DepositedAmount <DpstdAmt>	[0..1]	Amount		577
	RecycledNumber <RcycldNb>	[0..1]	Quantity		577
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		577
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		577
	RejectedNumber <RjctdNb>	[0..1]	Quantity		578
	PresentedNumber <PresntdNb>	[0..1]	Quantity		578
	InitialNumber <InitlNb>	[0..1]	Quantity		578
	InitialAmount <InitlAmt>	[0..1]	Amount		578
	CassetteStatus <CssttSts>	[0..1]	CodeSet		578
	SecurityTrailer <SctyTrlr>	[0..1]			579
	ContentType <CnttTp>	[1..1]	CodeSet		579
	AuthenticatedData <AuthntcdData>	[1..1]	±		579

20.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

C6 ValidationByTable

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

20.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

20.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			504
	Function <Fctn>	[1..1]	CodeSet		505
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		506
	HostServiceCode <HstSvcCd>	[0..1]	Text		506
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		506
	ExchangeIdentification <XchgId>	[1..1]	Text		507
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		507
	CreationDateTime <CreDtTm>	[1..1]	DateTime		507
	InitiatingParty <InitgPty>	[1..1]	Text		507
	RecipientParty <RcptPty>	[0..1]	Text		507
	ProcessState <PrcStat>	[0..1]	Text		507
	Traceability <Tracblt>	[0..*]			507
	RelayIdentification <RlayId>	[1..1]	±		508
	SequenceNumber <SeqNb>	[0..1]	Text		508
	TraceDateTimeIn <TracDtTmIn>	[1..1]	DateTime		508
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		508

20.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		505
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		506
	HostServiceCode <HstSvcCd>	[0..1]	Text		506

20.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.

CodeName	Name	Definition
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

20.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

20.4.1.1.3 HostSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

20.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

20.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

20.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

20.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

20.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

20.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

20.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

20.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <Rlayld>	[1..1]	±		508
	SequenceNumber <SeqNb>	[0..1]	Text		508
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		508
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		508

20.4.1.9.1 RelayIdentification <Rlayld>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <Rlayld> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

20.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

20.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

20.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

20.4.2 ProtectedATMWithdrawalCompletionAdvice <PrtctdATMWdrwlCmpltnAdv>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMWithdrawalCompletionAdvice <PrtctdATMWdrwlCmpltnAdv< contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

20.4.3 ATMWithdrawalCompletionAdvice <ATMWdrwlCmpltnAdv<

Presence: [0..1]

Definition: Information related to the completion of a withdrawal transaction on the ATM.

ATMWithdrawalCompletionAdvice <ATMWdrwlCmpltnAdv> contains the following
ATMWithdrawalCompletionAdvice3 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			516
	Acquirer <Acqrr>	[0..1]	±		519
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		519
	HostingEntity <HstgNtty>	[0..1]	±		519
	ATM <ATM>	[1..1]			519
	Identification <Id>	[1..1]	Text		521
	AdditionalIdentification <AddtlId>	[0..1]	Text		521
	SequenceNumber <SeqNb>	[0..1]	Text		521
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	521
	Location <Lctn>	[0..1]			521
	AddressLine <AdrLine>	[0..2]	Text		522
	StreetName <StrtNm>	[0..1]	Text		522
	BuildingNumber <BldgNb>	[0..1]	Text		522
	PostCode <PstCd>	[0..1]	Text		522
	TownName <TwnNm>	[1..1]	Text		523
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		523
	Country <Ctry>	[1..1]	CodeSet	C3	523
	GeoLocation <GLctn>	[0..1]			523
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			523
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524
Or}	UTMCoordinates <UTMCordints>	[1..1]			524
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		525
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		525
	Capabilities <Cpblties>	[0..1]	±		525
	Equipment <Eqpmnt>	[0..1]			526
	Manufacturer <Manfctr>	[0..1]	Text		527
	Model <Mdl>	[0..1]	Text		527

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SerialNumber <SrINb>	[0..1]	Text		527
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		527
	ApplicationName <ApplNm>	[0..1]	Text		527
	ApplicationVersion <ApplVrsn>	[0..1]	Text		528
	ApprovalNumber <ApprvINb>	[0..1]	Text		528
	ConfigurationParameter <CfgrtnParam>	[0..*]			528
	Type <Tp>	[1..1]	CodeSet		528
	Version <Vrsn>	[1..1]	Text		529
	Customer <Cstmr>	[1..1]			529
	Profile <Prfl>	[0..1]			529
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		529
	ProfileReference <PrflRef>	[0..1]	Text		530
	CustomerIdentification <CstmrlId>	[0..1]	Text		530
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	530
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	530
	AuthenticationResult <AuthntcnRslt>	[1..*]			531
	Method <Mtd>	[1..1]	CodeSet		531
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		531
	Result <Rslt>	[0..1]	CodeSet		532
	AdditionalResult <AddtlRslt>	[0..1]	Text		532
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		532
	Card <Card>	[0..1]			532
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		533
	FallbackIndicator <FllbckInd>	[0..1]	Indicator		534
	ProtectedCardData <PrtctdCardData>	[0..1]	±		534
	PlainCardData <PlainCardData>	[0..1]			534
	PAN <PAN>	[0..1]	Text		534
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		535
	EffectiveDate <FctvDt>	[0..1]	Text		535
	ExpiryDate <XpryDt>	[0..1]	Text		535
	Track1 <Trck1>	[0..1]	Text		535

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Track2 <Trck2>	[0..1]	Text		535
	Track3 <Trck3>	[0..1]	Text		535
	CardCountryCode <CardCtryCd>	[0..1]	Text		535
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		535
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	536
	Context <Cntxt>	[1..1]			536
	SessionReference <SsnRef>	[0..1]	Text		536
	Service <Svc>	[0..1]			536
	ServiceReference <SvcRef>	[0..1]	Text		537
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		537
	HostServiceCode <HstSvcCd>	[0..1]	Text		537
	ServiceType <SvcTp>	[1..1]	CodeSet		537
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		538
	Transaction <Tx>	[1..1]			538
	TransactionIdentification <Txld>	[1..1]	±		543
	TransactionStatus <TxSts>	[1..1]	CodeSet		543
	MultiBundle <MultiBndl>	[0..1]	Indicator		543
	BundlePresentedAmount <BndIPresntdAmt>	[0..*]	Amount		544
	PresentedAmountStatus <PresntdAmtSts>	[1..1]	CodeSet		544
	Incident <Incdnt>	[0..*]	CodeSet		544
	IncidentDetail <IncdntDtl>	[0..*]	Text		546
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		546
	AccountData <AcctData>	[0..1]			546
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		547
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		547
	AccountName <AcctNm>	[0..1]	Text		548
	Currency <Ccy>	[0..1]	CodeSet	C1	548
	AccountIdentifier <Acctldr>	[0..1]			549
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	549
Or	BBAN <BBAN>	[1..1]	IdentifierSet		549
Or	UPIC <UPIC>	[1..1]	IdentifierSet		550

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	DomesticAccount <DmstAcct>	[1..1]			550
	Identification <Id>	[1..1]	Text		550
Or	MSISDN <MSISDN>	[1..1]	Text		550
Or}	Email <Email>	[1..1]	Text		550
	CreditReference <CdtRef>	[0..1]	Text		550
	Servicer <Svcr>	[0..1]			551
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	551
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		551
	ProtectedAccountData <PrtctdAcctData>	[0..1]	±		551
	TotalPresentedAmount <TtlPresntdAmt>	[1..1]	±		552
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		552
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		552
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		552
	CurrencyConversionResult <CcyConvsRslt>	[0..1]			553
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		555
	TargetCurrency <TrgtCcy>	[1..1]			555
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	555
	NumericCode <NmrcCd>	[0..1]	Text		555
	Decimal <Dcml>	[0..1]	Quantity		555
	Name <Nm>	[0..1]	Text		555
	ResultingAmount <RsltgAmt>	[1..1]	Amount		556
	ExchangeRate <XchgRate>	[1..1]	Rate		556
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		556
	QuotationDate <QtnDt>	[0..1]	DateTime		556
	ValidUntil <VldUntil>	[0..1]	DateTime		556
	SourceCurrency <SrcCcy>	[1..1]			556
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	556
	NumericCode <NmrcCd>	[0..1]	Text		557
	Decimal <Dcml>	[0..1]	Quantity		557
	Name <Nm>	[0..1]	Text		557
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		557

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommissionDetails <ComssnDtls>	[0..*]			557
	Amount <Amt>	[1..1]	Amount		557
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	MarkUpDetails <MrkUpDtls>	[0..*]			558
	Rate <Rate>	[1..1]	Rate		558
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	DeclarationDetails <DclrtnDtls>	[0..1]			558
	Format <Frmt>	[0..1]	CodeSet		558
	MessageContent <MsgCntt>	[1..1]	Text		559
	ReferenceRate <RefRate>	[0..1]			559
	ExchangeRate <XchgRate>	[1..1]	Rate		559
	PublishDate <PblshDt>	[1..1]	DateTime		559
	AdditionalInformation <AddtlInf>	[0..1]	Text		559
	AdditionalCharge <AddtlChrg>	[0..*]	±		559
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		560
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		560
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		560
	Limits <Lmts>	[0..1]			560
	Currency <Ccy>	[0..1]	CodeSet	C1	561
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		561
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		561
	AdditionalAmount <AddtlAmt>	[0..*]			561
	Type <Tp>	[1..1]	Text		562
	Amount <Amt>	[1..1]	Amount		562
	Currency <Ccy>	[0..1]	CodeSet	C1	562
	Label <Lbl>	[0..1]	Text		562
	AuthorisationResult <AuthstnRslt>	[0..1]			562
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		563
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		564
	ResponseTrace <RspnTrac>	[0..*]			564
	ResponderIdentification <Rspndrld>	[1..1]	Text		564

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Codification <Cdfctn>	[0..1]	Text		564
	Response <Rspn>	[1..1]	Text		565
	ResponseReason <RspnRsn>	[0..1]	Text		565
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		565
	AuthorisationCode <AuthstnCd>	[0..1]	Text		565
	Action <Actn>	[0..*]			565
	ActionType <ActnTp>	[1..1]	CodeSet		565
	MessageToPresent <MsgToPres>	[0..1]			566
	Format <Frmt>	[0..1]	CodeSet		566
	Message <Msg>	[0..1]	Text		567
	Reference <Ref>	[0..1]	Text		567
	Device <Dvc>	[0..1]	CodeSet		567
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		567
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		567
	FeeToAdd <FeeToAdd>	[0..*]			569
	Amount <Amt>	[1..1]	Amount		569
	Currency <Ccy>	[0..1]	CodeSet	C1	569
	FeeLabel <FeeLbl>	[0..1]	Text		570
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		570
	ATMTotals <ATMTtls>	[0..*]	±		570
	Cassette <Csstt>	[0..*]			570
	PhysicalIdentification <PhysId>	[0..1]	Text		572
	LogicalIdentification <Logclld>	[1..1]	Text		572
	SerialNumber <SrlNb>	[0..1]	Text		572
	Type <Tp>	[1..1]	CodeSet		572
	SubType <SubTp>	[0..*]	CodeSet		572
	MediaType <MdiaTp>	[0..1]	CodeSet		573
	MediaCounters <MdiaCntrs>	[0..*]			573
	UnitValue <UnitVal>	[0..1]	Amount		574
	Currency <Ccy>	[0..1]	CodeSet	C1	574
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		575

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialCount <InitlCnt>	[0..1]	Quantity		575
	CurrentNumber <CurNb>	[1..1]	Quantity		575
	CurrentAmount <CurAmt>	[0..1]	Amount		575
	FlowTotals <FlowTtls>	[0..*]			575
	Type <Tp>	[1..1]	CodeSet		576
	AddedNumber <AddedNb>	[0..1]	Quantity		576
	RemovedNumber <RmvdNb>	[0..1]	Quantity		577
	RemovedAmount <RmvdAmt>	[0..1]	Amount		577
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		577
	DepositedNumber <DpstdNb>	[0..1]	Quantity		577
	DepositedAmount <DpstdAmt>	[0..1]	Amount		577
	RecycledNumber <RcycldNb>	[0..1]	Quantity		577
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		577
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		577
	RejectedNumber <RjctdNb>	[0..1]	Quantity		578
	PresentedNumber <PresntdNb>	[0..1]	Quantity		578
	InitialNumber <InitlNb>	[0..1]	Quantity		578
	InitialAmount <InitlAmt>	[0..1]	Amount		578
	CassetteStatus <CssttSts>	[0..1]	CodeSet		578

20.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the withdrawal transaction.

Environment <Envt> contains the following **ATMEnvironment19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		519
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		519
	HostingEntity <HstgNtty>	[0..1]	±		519
	ATM <ATM>	[1..1]			519
	Identification <Id>	[1..1]	Text		521
	AdditionalIdentification <AddtlId>	[0..1]	Text		521
	SequenceNumber <SeqNb>	[0..1]	Text		521
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	521
	Location <Lctn>	[0..1]			521
	AddressLine <AdrLine>	[0..2]	Text		522
	StreetName <StrtNm>	[0..1]	Text		522
	BuildingNumber <BldgNb>	[0..1]	Text		522
	PostCode <PstCd>	[0..1]	Text		522
	TownName <TwnNm>	[1..1]	Text		523
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		523
	Country <Ctry>	[1..1]	CodeSet	C3	523
	GeoLocation <GLctn>	[0..1]			523
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			523
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524
Or}	UTMCoordinates <UTMCordints>	[1..1]			524
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		525
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		525
	Capabilities <Cpblties>	[0..1]	±		525
	Equipment <Eqpmnt>	[0..1]			526
	Manufacturer <Manfctr>	[0..1]	Text		527
	Model <Mdl>	[0..1]	Text		527
	SerialNumber <SrlNb>	[0..1]	Text		527
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		527

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		527
	ApplicationVersion <AppIVrsn>	[0..1]	Text		528
	ApprovalNumber <ApprvINb>	[0..1]	Text		528
	ConfigurationParameter <CfgtnParam>	[0..*]			528
	Type <Tp>	[1..1]	CodeSet		528
	Version <Vrsn>	[1..1]	Text		529
	Customer <Cstmr>	[1..1]			529
	Profile <Prfl>	[0..1]			529
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		529
	ProfileReference <PrflRef>	[0..1]	Text		530
	CustomerIdentification <CstmrlId>	[0..1]	Text		530
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	530
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	530
	AuthenticationResult <AuthntcnRslt>	[1..*]			531
	Method <Mtd>	[1..1]	CodeSet		531
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		531
	Result <Rslt>	[0..1]	CodeSet		532
	AdditionalResult <AddtlRslt>	[0..1]	Text		532
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		532
	Card <Card>	[0..1]			532
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		533
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		534
	ProtectedCardData <PrtctdCardData>	[0..1]	±		534
	PlainCardData <PlainCardData>	[0..1]			534
	PAN <PAN>	[0..1]	Text		534
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		535
	EffectiveDate <FctvDt>	[0..1]	Text		535
	ExpiryDate <XpryDt>	[0..1]	Text		535
	Track1 <Trck1>	[0..1]	Text		535
	Track2 <Trck2>	[0..1]	Text		535
	Track3 <Trck3>	[0..1]	Text		535

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardCountryCode <CardCtryCd>	[0..1]	Text		535
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		535
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	536

20.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrglInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

20.4.3.1.2 ATMMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

20.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see ["TerminalHosting1"](#) on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

20.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		521
	AdditionalIdentification <AddtlId>	[0..1]	Text		521
	SequenceNumber <SeqNb>	[0..1]	Text		521
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	521
	Location <Lctn>	[0..1]			521
	AddressLine <AdrLine>	[0..2]	Text		522
	StreetName <StrtNm>	[0..1]	Text		522
	BuildingNumber <BldgNb>	[0..1]	Text		522
	PostCode <PstCd>	[0..1]	Text		522
	TownName <TwnNm>	[1..1]	Text		523
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		523
	Country <Ctry>	[1..1]	CodeSet	C3	523
	GeoLocation <GLctn>	[0..1]			523
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			523
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524
Or}	UTMCoordinates <UTMCordints>	[1..1]			524
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		525
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		525
	Capabilities <Cpblties>	[0..1]	±		525
	Equipment <Eqpmnt>	[0..1]			526
	Manufacturer <Manfctr>	[0..1]	Text		527
	Model <Mdl>	[0..1]	Text		527
	SerialNumber <SrlNb>	[0..1]	Text		527
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		527
	ApplicationName <ApplNm>	[0..1]	Text		527
	ApplicationVersion <ApplVrsn>	[0..1]	Text		528
	ApprovalNumber <ApprvlNb>	[0..1]	Text		528
	ConfigurationParameter <CfgrtnParam>	[0..*]			528

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		528
	Version <Vrsn>	[1..1]	Text		529

20.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

20.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		522
	StreetName <StrtNm>	[0..1]	Text		522
	BuildingNumber <BldgNb>	[0..1]	Text		522
	PostCode <PstCd>	[0..1]	Text		522
	TownName <TwnNm>	[1..1]	Text		523
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		523
	Country <Ctry>	[1..1]	CodeSet	C3	523
	GeoLocation <GLctn>	[0..1]			523
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			523
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524
Or}	UTMCoordinates <UTMCordints>	[1..1]			524
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		525

20.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

20.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

20.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

20.4.3.1.4.5.4 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 1482

20.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

20.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			523
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524
Or}	UTMCoordinates <UTMCordints>	[1..1]			524
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		525

20.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		524
	Longitude <Long>	[1..1]	Text		524

20.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

20.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

20.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		524
	UTMEastward <UTMEstwr>	[1..1]	Quantity		524
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		525

20.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

20.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

20.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

20.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

20.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntractvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

20.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		527
	Model <Mdl>	[0..1]	Text		527
	SerialNumber <SrINb>	[0..1]	Text		527
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		527
	ApplicationName <ApplNm>	[0..1]	Text		527
	ApplicationVersion <ApplVrsn>	[0..1]	Text		528
	ApprovalNumber <ApprvINb>	[0..1]	Text		528
	ConfigurationParameter <CfgtnParam>	[0..*]			528
	Type <Tp>	[1..1]	CodeSet		528
	Version <Vrsn>	[1..1]	Text		529

20.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

20.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		528
	Version <Vrsn>	[1..1]	Text		529

20.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

20.4.3.1.4.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

20.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			529
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		529
	ProfileReference <PrflRef>	[0..1]	Text		530
	CustomerIdentification <CstmrlId>	[0..1]	Text		530
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	530
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	530
	AuthenticationResult <AuthntcnRslt>	[1..*]			531
	Method <Mtd>	[1..1]	CodeSet		531
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		531
	Result <Rslt>	[0..1]	CodeSet		532
	AdditionalResult <AddtlRslt>	[0..1]	Text		532
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		532

20.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the service.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		529
	ProfileReference <PrflRef>	[0..1]	Text		530
	CustomerIdentification <CstmrlId>	[0..1]	Text		530
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	530

20.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

20.4.3.1.5.1.2 ProfileReference <PrfIRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

20.4.3.1.5.1.3 CustomerIdentification <CstmrId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

20.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

20.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

20.4.3.1.5.3 AuthenticationResult <AuthntcnRslt>

Presence: [1..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		531
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		531
	Result <Rslt>	[0..1]	CodeSet		532
	AdditionalResult <AddtlRslt>	[0..1]	Text		532
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		532

20.4.3.1.5.3.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

20.4.3.1.5.3.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

20.4.3.1.5.3.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

20.4.3.1.5.3.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

20.4.3.1.5.3.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

20.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard37** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		533
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		534
	ProtectedCardData <PrctcdCardData>	[0..1]	±		534
	PlainCardData <PlainCardData>	[0..1]			534
	PAN <PAN>	[0..1]	Text		534
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		535
	EffectiveDate <FctvDt>	[0..1]	Text		535
	ExpiryDate <XpryDt>	[0..1]	Text		535
	Track1 <Trck1>	[0..1]	Text		535
	Track2 <Trck2>	[0..1]	Text		535
	Track3 <Trck3>	[0..1]	Text		535
	CardCountryCode <CardCtryCd>	[0..1]	Text		535
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		535
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	536

20.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode that used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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).

20.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicate the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

20.4.3.1.6.3 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 "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

20.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		534
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		535
	EffectiveDate <FctvDt>	[0..1]	Text		535
	ExpiryDate <XpryDt>	[0..1]	Text		535
	Track1 <Trck1>	[0..1]	Text		535
	Track2 <Trck2>	[0..1]	Text		535
	Track3 <Trck3>	[0..1]	Text		535

20.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

20.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

20.4.3.1.6.4.3 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 1482

20.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

20.4.3.1.6.4.5 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 1485

20.4.3.1.6.4.6 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 1483

20.4.3.1.6.4.7 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 1481

20.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

20.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

20.4.3.1.6.7 ElectronicPurseBalance <ElctrncPrsBal>

Presence: [0..1]

Definition: Balance of the captured card or epurse if available.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

20.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		536
	Service <Svc>	[0..1]			536
	ServiceReference <SvcRef>	[0..1]	Text		537
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		537
	HostServiceCode <HstSvcCd>	[0..1]	Text		537
	ServiceType <SvcTp>	[1..1]	CodeSet		537
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		538

20.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

20.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		537
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		537
	HostServiceCode <HstSvcCd>	[0..1]	Text		537
	ServiceType <SvcTp>	[1..1]	CodeSet		537
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		538

20.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

20.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

20.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

20.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of withdrawal selected by the customer.

Datatype: "ATMServiceType1Code" on page 1451

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.

20.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

20.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Withdrawal transaction for which the completion is sent.

Transaction <Tx> contains the following **ATMTransaction53** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		543
	TransactionStatus <TxSts>	[1..1]	CodeSet		543
	MultiBundle <MultiBndl>	[0..1]	Indicator		543
	BundlePresentedAmount <BndlPresntdAmt>	[0..*]	Amount		544
	PresentedAmountStatus <PresntdAmtSts>	[1..1]	CodeSet		544
	Incident <IncDnt>	[0..*]	CodeSet		544
	IncidentDetail <IncDntDtl>	[0..*]	Text		546
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		546
	AccountData <AcctData>	[0..1]			546
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		547
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		547
	AccountName <AcctNm>	[0..1]	Text		548
	Currency <Ccy>	[0..1]	CodeSet	C1	548
	AccountIdentifier <AcctIdr>	[0..1]			549
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	549
Or	BBAN <BBAN>	[1..1]	IdentifierSet		549
Or	UPIC <UPIC>	[1..1]	IdentifierSet		550
Or	DomesticAccount <DmstAcct>	[1..1]			550
	Identification <Id>	[1..1]	Text		550
Or	MSISDN <MSISDN>	[1..1]	Text		550
Or}	Email <Email>	[1..1]	Text		550
	CreditReference <CdtRef>	[0..1]	Text		550
	Servicer <Svcr>	[0..1]			551
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	551
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		551
	ProtectedAccountData <PrtctdAcctData>	[0..1]	±		551
	TotalPresentedAmount <TtlPresntdAmt>	[1..1]	±		552
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[0..1]	Amount		552
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		552
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		552
	CurrencyConversionResult <CcyConvrsRslt>	[0..1]			553

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		555
	TargetCurrency <TrgtCcy>	[1..1]			555
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	555
	NumericCode <NmrcCd>	[0..1]	Text		555
	Decimal <Dcml>	[0..1]	Quantity		555
	Name <Nm>	[0..1]	Text		555
	ResultingAmount <RsltgtAmt>	[1..1]	Amount		556
	ExchangeRate <XchgRate>	[1..1]	Rate		556
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		556
	QuotationDate <QtnDt>	[0..1]	DateTime		556
	ValidUntil <VldUntil>	[0..1]	DateTime		556
	SourceCurrency <SrcCcy>	[1..1]			556
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	556
	NumericCode <NmrcCd>	[0..1]	Text		557
	Decimal <Dcml>	[0..1]	Quantity		557
	Name <Nm>	[0..1]	Text		557
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		557
	CommissionDetails <ComssnDtls>	[0..*]			557
	Amount <Amt>	[1..1]	Amount		557
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	MarkUpDetails <MrkUpDtls>	[0..*]			558
	Rate <Rate>	[1..1]	Rate		558
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	DeclarationDetails <DclrtDtls>	[0..1]			558
	Format <Frmt>	[0..1]	CodeSet		558
	MessageContent <MsgCntt>	[1..1]	Text		559
	ReferenceRate <RefRate>	[0..1]			559
	ExchangeRate <XchgRate>	[1..1]	Rate		559
	PublishDate <PblshDt>	[1..1]	DateTime		559
	AdditionalInformation <AddtlInf>	[0..1]	Text		559
	AdditionalCharge <AddtlChrg>	[0..*]	±		559

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		560
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		560
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		560
	Limits <Lmts>	[0..1]			560
	Currency <Ccy>	[0..1]	CodeSet	C1	561
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		561
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		561
	AdditionalAmount <AddtlAmt>	[0..*]			561
	Type <Tp>	[1..1]	Text		562
	Amount <Amt>	[1..1]	Amount		562
	Currency <Ccy>	[0..1]	CodeSet	C1	562
	Label <Lbl>	[0..1]	Text		562
	AuthorisationResult <AuthstnRslt>	[0..1]			562
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		563
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		564
	ResponseTrace <RspnTrac>	[0..*]			564
	ResponderIdentification <RspndrId>	[1..1]	Text		564
	Codification <Cdftcn>	[0..1]	Text		564
	Response <Rspn>	[1..1]	Text		565
	ResponseReason <RspnRsn>	[0..1]	Text		565
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		565
	AuthorisationCode <AuthstnCd>	[0..1]	Text		565
	Action <Actn>	[0..*]			565
	ActionType <ActnTp>	[1..1]	CodeSet		565
	MessageToPresent <MsgToPres>	[0..1]			566
	Format <Frmt>	[0..1]	CodeSet		566
	Message <Msg>	[0..1]	Text		567
	Reference <Ref>	[0..1]	Text		567
	Device <Dvc>	[0..1]	CodeSet		567
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		567
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		567

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	FeeToAdd <FeeToAdd>	[0..*]			569
	Amount <Amt>	[1..1]	Amount		569
	Currency <Ccy>	[0..1]	CodeSet	C1	569
	FeeLabel <FeeLabl>	[0..1]	Text		570
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		570
	ATMTotals <ATMTtls>	[0..*]	±		570
	Cassette <Csstt>	[0..*]			570
	PhysicalIdentification <PhysId>	[0..1]	Text		572
	LogicalIdentification <LogclId>	[1..1]	Text		572
	SerialNumber <SrlNb>	[0..1]	Text		572
	Type <Tp>	[1..1]	CodeSet		572
	SubType <SubTp>	[0..*]	CodeSet		572
	MediaType <MdiaTp>	[0..1]	CodeSet		573
	MediaCounters <MdiaCntrs>	[0..*]			573
	UnitValue <UnitVal>	[0..1]	Amount		574
	Currency <Ccy>	[0..1]	CodeSet	C1	574
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		575
	InitialCount <InitlCnt>	[0..1]	Quantity		575
	CurrentNumber <CurNb>	[1..1]	Quantity		575
	CurrentAmount <CurAmt>	[0..1]	Amount		575
	FlowTotals <FlowTtls>	[0..*]			575
	Type <Tp>	[1..1]	CodeSet		576
	AddedNumber <AddedNb>	[0..1]	Quantity		576
	RemovedNumber <RmvdNb>	[0..1]	Quantity		577
	RemovedAmount <RmvdAmt>	[0..1]	Amount		577
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		577
	DepositedNumber <DpstNb>	[0..1]	Quantity		577
	DepositedAmount <DpstAmt>	[0..1]	Amount		577
	RecycledNumber <RcyclNb>	[0..1]	Quantity		577
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		577
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		577

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RejectedNumber <RjctdNb>	[0..1]	Quantity		578
	PresentedNumber <PresntdNb>	[0..1]	Quantity		578
	InitialNumber <InitlNb>	[0..1]	Quantity		578
	InitialAmount <InitlAmt>	[0..1]	Amount		578
	CassetteStatus <CssttSts>	[0..1]	CodeSet		578

20.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

20.4.3.3.2 TransactionStatus <TxSts>

Presence: [1..1]

Definition: Outcome of the financial transaction for the customer.

Datatype: ["ATMTransactionStatus1Code"](#) on page 1453

CodeName	Name	Definition
DOBT	Doubt	Undetermined status, for instance possibly forgotten notes.
FAIL	Failure	Transaction failed.
SCSS	Success	Transaction was successfully completed.

20.4.3.3.3 MultiBundle <MultiBndl>

Presence: [0..1]

Definition: Multi bundle dispense.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

20.4.3.3.4 BundlePresentedAmount <BndIPresntdAmt>

Presence: [0..*]

Definition: Amount per bundle in the currency of the total presented amount, in the order of the presentation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.5 PresentedAmountStatus <PresntdAmtSts>

Presence: [1..1]

Definition: Status of the amount presented to the customer in the last bundle.

Datatype: "ATMTransactionStatus2Code" on page 1453

CodeName	Name	Definition
FULL	Full	Total presented amount is equal to the amount to dispense.
PART	Partial	Total presented amount is lower than the amount to dispense.
NONE	None	Total presented amount is equal to zero.

20.4.3.3.6 Incident <Incdnt>

Presence: [0..*]

Definition: Incident occurring during the processing of the transaction.

Datatype: "FailureReason9Code" on page 1462

CodeName	Name	Definition
CDCP	CardCaptured	ATM manager has requested to capture the card.
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CDER	CardError	Unable to complete transaction with the card.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CUDC	CustomerDecline	Customer has declined additional fees or a lower amount, transaction fails.
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
FILL	FullfilmentError	Unable to fulfil, for instance dispensing the cash.
MALF	Malfunction	Suspected malfunction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.

CodeName	Name	Definition
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCPT	UnableToCapture	Unable to capture the card as requested.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
CSRV	OutOfCustomerService	ATM manager has requested to the ATM to stop customer services.
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CUTO	CustomerTimeOut	Customer has not been performed in time an action.
RJCT	Reject	The ATM Manager has sent an ATMReject message in response to an authorisation request.
FMTE	FormatError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were badly formatted (for example an integer value where a dateTime value was expected).
VLTE	ValidationError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were invalid (for example an incorrect ExchangeIdentifier).
CHFG	CashDispenserRetract	Following a cash dispense operation the consumer forgot to take the notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is unknown.
DCFG	CashDepositRetract	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is unknown.
CQFG	ChequeDepositRetract	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is unknown.
DFGC	CashDepositRetractCounted	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be

CodeName	Name	Definition
		retracted. The number of notes retracted is known as the device was able to count the notes retracted.
CFGC	CashDispenserRetractCounted	Following a cash dispense operation the consumer forgot to take the returned notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is known as the device was able to count the notes retracted.
QFGC	ChequeDepositRetractCounted	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is known as the device was able to count the cheques retracted.
CQRT	ChequesRetained	Cheques have been retained by the terminal since it has been unable to return them.
DCRT	DepositsRetained	Cash has been retained by the terminal since it has been unable to return it.
RSTR	Restart	The ATM has restarted.

20.4.3.3.7 IncidentDetail <IncDntDtl>

Presence: [0..*]

Definition: Explanation of the incident.

Datatype: "Max70Text" on page 1485

20.4.3.3.8 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

20.4.3.3.9 AccountData <AcctData>

Presence: [0..1]

Definition: Unprotected account information.

AccountData <AcctData> contains the following **CardAccount17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		547
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		547
	AccountName <AcctNm>	[0..1]	Text		548
	Currency <Ccy>	[0..1]	CodeSet	C1	548
	AccountIdentifier <AcctIdr>	[0..1]			549
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	549
Or	BBAN <BBAN>	[1..1]	IdentifierSet		549
Or	UPIC <UPIC>	[1..1]	IdentifierSet		550
Or	DomesticAccount <DmstAcct>	[1..1]			550
	Identification <Id>	[1..1]	Text		550
Or	MSISDN <MSISDN>	[1..1]	Text		550
Or}	Email <Email>	[1..1]	Text		550
	CreditReference <CdtRef>	[0..1]	Text		550
	Servicer <Svcr>	[0..1]			551
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	551
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		551

20.4.3.3.9.1 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

20.4.3.3.9.2 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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.

20.4.3.3.9.3 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

20.4.3.3.9.4 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

20.4.3.3.9.5 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	549
Or	BBAN <BBAN>	[1..1]	IdentifierSet		549
Or	UPIC <UPIC>	[1..1]	IdentifierSet		550
Or	DomesticAccount <DmstAcct>	[1..1]			550
	Identification <Id>	[1..1]	Text		550
Or	MSISDN <MSISDN>	[1..1]	Text		550
Or}	Email <Email>	[1..1]	Text		550

20.4.3.3.9.5.1 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 1479

Constraints

- **IBAN**

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

20.4.3.3.9.5.2 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 1479

20.4.3.3.9.5.3 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 1480

20.4.3.3.9.5.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		550

20.4.3.3.9.5.4.1 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 1483

20.4.3.3.9.5.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

20.4.3.3.9.5.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

20.4.3.3.9.6 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

20.4.3.3.9.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	551
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		551

20.4.3.3.9.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

20.4.3.3.9.7.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "GenericIdentification1" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

20.4.3.3.10 ProtectedAccountData <PrctdAcctData>

Presence: [0..1]

Definition: Encryption of account information.

ProtectedAccountData <PrctcdAcctData> contains the following elements (see
"ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

20.4.3.3.11 TotalPresentedAmount <TtlPresntdAmt>

Presence: [1..1]

Definition: Total amount presented to the customer.

TotalPresentedAmount <TtlPresntdAmt> contains the following elements (see
"AmountAndCurrency1" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

20.4.3.3.12 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [0..1]

Definition: Total authorised amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.13 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Total requested amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.14 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Detail of the requested amounts for the withdrawal transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following elements (see
"DetailedAmount12" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1320
	Currency <Ccy>	[0..1]	CodeSet	C1	1320
	Fees <Fees>	[0..*]	±		1320
	Donation <Dontn>	[0..*]	±		1320

20.4.3.3.15 CurrencyConversionResult <CcyConvsRslt>

Presence: [0..1]

Definition: Currency conversion accepted by the customer, either to convert the amount to dispense in the base currency of the ATM, or to convert the total requested amount in the currency of the customer (so called dynamic currency conversion).

CurrencyConversionResult <CcyConvRsIt> contains the following **CurrencyConversion32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		555
	TargetCurrency <TrgtCcy>	[1..1]			555
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	555
	NumericCode <NmrcCd>	[0..1]	Text		555
	Decimal <Dcml>	[0..1]	Quantity		555
	Name <Nm>	[0..1]	Text		555
	ResultingAmount <RsltgAmt>	[1..1]	Amount		556
	ExchangeRate <XchgRate>	[1..1]	Rate		556
	InvertedExchangeRate <NvrtedXchgRate>	[0..1]	Rate		556
	QuotationDate <QtnDt>	[0..1]	DateTime		556
	ValidUntil <VldUntil>	[0..1]	DateTime		556
	SourceCurrency <SrcCcy>	[1..1]			556
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	556
	NumericCode <NmrcCd>	[0..1]	Text		557
	Decimal <Dcml>	[0..1]	Quantity		557
	Name <Nm>	[0..1]	Text		557
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		557
	CommissionDetails <ComssnDtls>	[0..*]			557
	Amount <Amt>	[1..1]	Amount		557
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	MarkUpDetails <MrkUpDtls>	[0..*]			558
	Rate <Rate>	[1..1]	Rate		558
	AdditionalInformation <AddtlInf>	[0..1]	Text		558
	DeclarationDetails <DclrtnDtls>	[0..1]			558
	Format <Frmt>	[0..1]	CodeSet		558
	MessageContent <MsgCntt>	[1..1]	Text		559
	ReferenceRate <RefRate>	[0..1]			559
	ExchangeRate <XchgRate>	[1..1]	Rate		559
	PublishDate <PblshDt>	[1..1]	DateTime		559
	AdditionalInformation <AddtlInf>	[0..1]	Text		559

20.4.3.3.15.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

Definition: Identification of the currency conversion operation.

Datatype: "Max35Text" on page 1483

20.4.3.3.15.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	555
	NumericCode <NmrcCd>	[0..1]	Text		555
	Decimal <Dcml>	[0..1]	Quantity		555
	Name <Nm>	[0..1]	Text		555

20.4.3.3.15.2.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

20.4.3.3.15.2.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

20.4.3.3.15.2.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

20.4.3.3.15.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

20.4.3.3.15.3 ResultingAmount <RsltgAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including commission and mark-up.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.15.4 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 1481

20.4.3.3.15.5 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 1481

20.4.3.3.15.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1478

20.4.3.3.15.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1478

20.4.3.3.15.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	556
	NumericCode <NmrcCd>	[0..1]	Text		557
	Decimal <Dcml>	[0..1]	Quantity		557
	Name <Nm>	[0..1]	Text		557

20.4.3.3.15.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

20.4.3.3.15.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

20.4.3.3.15.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

20.4.3.3.15.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

20.4.3.3.15.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.15.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		557
	AdditionalInformation <AddtlInf>	[0..1]	Text		558

20.4.3.3.15.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.15.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 1483

20.4.3.3.15.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Mark-up 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		558
	AdditionalInformation <AddtlInf>	[0..1]	Text		558

20.4.3.3.15.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 1481

20.4.3.3.15.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 1483

20.4.3.3.15.12 DeclarationDetails <DclrtnDtls>

Presence: [0..1]

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

DeclarationDetails <DclrtnDtls> contains the following **ActionMessage5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		558
	MessageContent <MsgCntt>	[1..1]	Text		559

20.4.3.3.15.12.1 Format <Frmt>

Presence: [0..1]

Definition: Format of the content.

Datatype: "OutputFormat1Code" on page 1469

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.

20.4.3.3.15.12.2 MessageContent <MsgCntt>

Presence: [1..1]

Definition: Text or graphic data to be display or printed to the cardholder or the cashier.

Datatype: "Max20000Text" on page 1482

20.4.3.3.15.13 ReferenceRate <RefRate>

Presence: [0..1]

Definition: Reference exchange rate to be shown to the consumer. Requirement within the EC, see 'REGULATION (EC) No 924/2009 OF THE EUROPEAN PARLIAMENT', 'P8_TA(2019)0124' and '2018/0076 (Article 3a)'.

ReferenceRate <RefRate> contains the following **ATMExchangeRateComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeRate <XchgRate>	[1..1]	Rate		559
	PublishDate <PblshDt>	[1..1]	DateTime		559
	AdditionalInformation <AddtlInf>	[0..1]	Text		559

20.4.3.3.15.13.1 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 1481

20.4.3.3.15.13.2 PublishDate <PblshDt>

Presence: [1..1]

Definition: Date when exchange rate published.

Datatype: "ISODateTime" on page 1478

20.4.3.3.15.13.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information to be provided to the consumer related to the reference rate.

Datatype: "Max256Text" on page 1483

20.4.3.3.16 AdditionalCharge <AddtlChrg>

Presence: [0..*]

Definition: Additional charge (for instance tax or fee).

AdditionalCharge <AddtlChrg> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

20.4.3.3.17 RequestedReceipt <ReqdRct>

Presence: [0..1]

Definition: True if the customer has requested a receipt.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

20.4.3.3.18 ReceiptPrinted <RctPrtd>

Presence: [0..1]

Definition: True if a receipt has been printed and presented to the customer.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

20.4.3.3.19 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

Definition: Explicit consent expressed by a customer on a card-related service proposed by an acquirer or an issuer or any agent acting on behalf of one of them.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

20.4.3.3.20 Limits <Lmts>

Presence: [0..1]

Definition: Limit of amounts for the customer.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	561
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		561
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		561
	AdditionalAmount <AddtlAmt>	[0..*]			561
	Type <Tp>	[1..1]	Text		562
	Amount <Amt>	[1..1]	Amount		562
	Currency <Ccy>	[0..1]	CodeSet	C1	562
	Label <Labl>	[0..1]	Text		562

20.4.3.3.20.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

20.4.3.3.20.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.20.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.20.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		562
	Amount <Amt>	[1..1]	Amount		562
	Currency <Ccy>	[0..1]	CodeSet	C1	562
	Label <Labl>	[0..1]	Text		562

20.4.3.3.20.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

20.4.3.3.20.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.20.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

20.4.3.3.20.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

20.4.3.3.21 AuthorisationResult <AuthstnRsIt>

Presence: [0..1]

Definition: Outcome of the withdrawal authorisation.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		563
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		564
	ResponseTrace <RspnTrac>	[0..*]			564
	ResponderIdentification <RspndrId>	[1..1]	Text		564
	Codification <Cdfctn>	[0..1]	Text		564
	Response <Rspn>	[1..1]	Text		565
	ResponseReason <RspnRsn>	[0..1]	Text		565
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		565
	AuthorisationCode <AuthstnCd>	[0..1]	Text		565
	Action <Actn>	[0..*]			565
	ActionType <ActnTp>	[1..1]	CodeSet		565
	MessageToPresent <MsgToPres>	[0..1]			566
	Format <Frmt>	[0..1]	CodeSet		566
	Message <Msg>	[0..1]	Text		567
	Reference <Ref>	[0..1]	Text		567
	Device <Dvc>	[0..1]	CodeSet		567
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		567
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		567
	FeeToAdd <FeeToAdd>	[0..*]			569
	Amount <Amt>	[1..1]	Amount		569
	Currency <Ccy>	[0..1]	CodeSet	C1	569
	FeeLabel <FeeLbl>	[0..1]	Text		570

20.4.3.3.21.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

20.4.3.3.21.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see ["ResponseType12"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

20.4.3.3.21.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		564
	Codification <Cdfctn>	[0..1]	Text		564
	Response <Rspn>	[1..1]	Text		565
	ResponseReason <RspnRsn>	[0..1]	Text		565
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		565

20.4.3.3.21.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: ["Max35Text"](#) on page 1483

20.4.3.3.21.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

20.4.3.3.21.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

20.4.3.3.21.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

20.4.3.3.21.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

20.4.3.3.21.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

20.4.3.3.21.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		565
	MessageToPresent <MsgToPres>	[0..1]			566
	Format <Frmt>	[0..1]	CodeSet		566
	Message <Msg>	[0..1]	Text		567
	Reference <Ref>	[0..1]	Text		567
	Device <Dvc>	[0..1]	CodeSet		567
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		567
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		567

20.4.3.3.21.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

20.4.3.3.21.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		566
	Message <Msg>	[0..1]	Text		567
	Reference <Ref>	[0..1]	Text		567
	Device <Dvc>	[0..1]	CodeSet		567
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		567

20.4.3.3.21.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

20.4.3.3.21.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

20.4.3.3.21.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

20.4.3.3.21.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

20.4.3.3.21.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

20.4.3.3.21.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAP	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

20.4.3.3.21.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		569
	Currency <Ccy>	[0..1]	CodeSet	C1	569
	FeeLabel <FeeLabl>	[0..1]	Text		570

20.4.3.3.21.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.21.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

20.4.3.3.21.6.3 FeeLabel <FeeLabel>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

20.4.3.3.22 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

20.4.3.3.23 ATMTotals <ATMTtls>

Presence: [0..*]

Definition: Current totals of the ATM.

ATMTotals <ATMTtls> contains the following elements (see "ATMTotals4" on page 1322 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1323
	ATMBalance <ATMBal>	[0..1]	Amount		1323
	ATMCurrent <ATMCur>	[0..1]	Amount		1323
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1323
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1324

20.4.3.3.24 Cassette <Csstt>

Presence: [0..*]

Definition: Information on the cassettes of the ATM.

Cassette <Csstt> contains the following **ATMCassette3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		572
	LogicalIdentification <LogcId>	[1..1]	Text		572
	SerialNumber <SrlNb>	[0..1]	Text		572
	Type <Tp>	[1..1]	CodeSet		572
	SubType <SubTp>	[0..*]	CodeSet		572
	MediaType <MdiaTp>	[0..1]	CodeSet		573
	MediaCounters <MdiaCntrs>	[0..*]			573
	UnitValue <UnitVal>	[0..1]	Amount		574
	Currency <Ccy>	[0..1]	CodeSet	C1	574
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		575
	InitialCount <InitlCnt>	[0..1]	Quantity		575
	CurrentNumber <CurNb>	[1..1]	Quantity		575
	CurrentAmount <CurAmt>	[0..1]	Amount		575
	FlowTotals <FlowTtls>	[0..*]			575
	Type <Tp>	[1..1]	CodeSet		576
	AddedNumber <AddedNb>	[0..1]	Quantity		576
	RemovedNumber <RmvdNb>	[0..1]	Quantity		577
	RemovedAmount <RmvdAmt>	[0..1]	Amount		577
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		577
	DepositedNumber <DpstNb>	[0..1]	Quantity		577
	DepositedAmount <DpstAmt>	[0..1]	Amount		577
	RecycledNumber <RcyclNb>	[0..1]	Quantity		577
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		577
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		577
	RejectedNumber <RjctdNb>	[0..1]	Quantity		578
	PresentedNumber <PresntdNb>	[0..1]	Quantity		578
	InitialNumber <InitlNb>	[0..1]	Quantity		578
	InitialAmount <InitlAmt>	[0..1]	Amount		578
	CassetteStatus <CssttSts>	[0..1]	CodeSet		578

20.4.3.3.24.1 PhysicalIdentification <PhysId>

Presence: [0..1]

Definition: Physical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

20.4.3.3.24.2 LogicalIdentification <LogId>

Presence: [1..1]

Definition: Logical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

20.4.3.3.24.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number or unique identification of the cassette hardware.

Datatype: "Max35Text" on page 1483

20.4.3.3.24.4 Type <Tp>

Presence: [1..1]

Definition: Type of cassette.

Datatype: "ATMCassetteType1Code" on page 1440

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

20.4.3.3.24.5 SubType <SubTp>

Presence: [0..*]

Definition: Type of items the cash-in takes.

Datatype: "ATMNoteType1Code" on page 1446

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

20.4.3.3.24.6 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

20.4.3.3.24.7 MediaCounters <MdiaCntrs>

Presence: [0..*]

Definition: Counter per unit value or globally.

MediaCounters <MdiaCntrs> contains the following **ATMCassetteCounters6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitValue <UnitVal>	[0..1]	Amount		574
	Currency <Ccy>	[0..1]	CodeSet	C1	574
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		575
	InitialCount <InitlCnt>	[0..1]	Quantity		575
	CurrentNumber <CurNb>	[1..1]	Quantity		575
	CurrentAmount <CurAmt>	[0..1]	Amount		575
	FlowTotals <FlowTtls>	[0..*]			575
	Type <Tp>	[1..1]	CodeSet		576
	AddedNumber <AddedNb>	[0..1]	Quantity		576
	RemovedNumber <RmvdNb>	[0..1]	Quantity		577
	RemovedAmount <RmvdAmt>	[0..1]	Amount		577
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		577
	DepositedNumber <DpstdNb>	[0..1]	Quantity		577
	DepositedAmount <DpstdAmt>	[0..1]	Amount		577
	RecycledNumber <RcyldNb>	[0..1]	Quantity		577
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		577
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		577
	RejectedNumber <RjctdNb>	[0..1]	Quantity		578
	PresentedNumber <PresntdNb>	[0..1]	Quantity		578
	InitialNumber <InitlNb>	[0..1]	Quantity		578
	InitialAmount <InitlAmt>	[0..1]	Amount		578

20.4.3.3.24.7.1 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount of one media unit, if the media type is valued.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.24.7.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media, if the media type is valued and different from the currency of the requested amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

20.4.3.3.24.7.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

20.4.3.3.24.7.4 InitialCount <InitlCnt>

Presence: [0..1]

Definition: Number of media items in cassette after last replenishment.

Datatype: "Number" on page 1480

20.4.3.3.24.7.5 CurrentNumber <CurNb>

Presence: [1..1]

Definition: Current number of media present in the cassette.

Datatype: "Number" on page 1480

20.4.3.3.24.7.6 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Current amount in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.24.7.7 FlowTotals <FlowTtls>

Presence: [0..*]

Definition: Counters of media inside the cassette.

FlowTotals <FlowTtls> contains the following **ATMCassetteCounters5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		576
	AddedNumber <AddedNb>	[0..1]	Quantity		576
	RemovedNumber <RmvdNb>	[0..1]	Quantity		577
	RemovedAmount <RmvdAmt>	[0..1]	Amount		577
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		577
	DepositedNumber <DpstdNb>	[0..1]	Quantity		577
	DepositedAmount <DpstdAmt>	[0..1]	Amount		577
	RecycledNumber <RcycldNb>	[0..1]	Quantity		577
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		577
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		577
	RejectedNumber <RjctdNb>	[0..1]	Quantity		578
	PresentedNumber <PresntdNb>	[0..1]	Quantity		578
	InitialNumber <InitlNb>	[0..1]	Quantity		578
	InitialAmount <InitlAmt>	[0..1]	Amount		578

20.4.3.3.24.7.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of counters.

Datatype: "ATMCounterType3Code" on page 1443

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

20.4.3.3.24.7.7.2 AddedNumber <AddedNb>

Presence: [0..1]

Definition: Number of added media during servicing operations.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.3 RemovedNumber <RmvdNb>

Presence: [0..1]

Definition: Number of removed media during servicing operations.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.4 RemovedAmount <RmvdAmt>

Presence: [0..1]

Definition: Amount of removed media during servicing operations.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.24.7.7.5 DispensedNumber <DspnsdNb>

Presence: [0..1]

Definition: Total number of media out of the cassette.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.6 DepositedNumber <DpstdNb>

Presence: [0..1]

Definition: Total number of media deposited in the cassette.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.7 DepositedAmount <DpstdAmt>

Presence: [0..1]

Definition: Amount of media deposited in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.24.7.7.8 RecycledNumber <RcycldNb>

Presence: [0..1]

Definition: Total number of recycled media from the cassette.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.9 RetractedNumber <RtrctdNb>

Presence: [0..1]

Definition: Total number of retracted media originating from the cassette.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.10 RetractedAmount <RtrctdAmt>

Presence: [0..1]

Definition: Total amount retracted during operation. Only intended to be used where each of the items in the cassette do not have the same value (for example for retracting checks).

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.24.7.7.11 RejectedNumber <RjctdNb>

Presence: [0..1]

Definition: Total number of media from this cassette which are on the reject bin.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.12 PresentedNumber <PresntdNb>

Presence: [0..1]

Definition: Total number of media presented to the customer.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.13 InitialNumber <InitlNb>

Presence: [0..1]

Definition: Initial number added during a servicing operation.

Datatype: "Number" on page 1480

20.4.3.3.24.7.7.14 InitialAmount <InitlAmt>

Presence: [0..1]

Definition: Initial amount added during a servicing operation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

20.4.3.3.24.8 CassetteStatus <CssttSts>

Presence: [0..1]

Definition: Status of the cassette. This element may not be provided if the status has not changed from the previous time the cassette information has been provided.

Datatype: "ATMCassetteStatus1Code" on page 1440

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

20.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		579
	AuthenticatedData <AuthntcdData>	[1..1]	±		579

20.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

20.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

21 catp.004.001.03 ATMWithdrawalCompletionAcknowledgementV03

21.1 MessageDefinition Functionality

The ATMWithdrawalCompletionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMWithdrawalCompletionAdvice message.

Outline

The ATMWithdrawalCompletionAcknowledgementV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMWithdrawalCompletionAcknowledgement
Encrypted body of the message.
- C. ATMWithdrawalCompletionAcknowledgement
Information related to the acknowledgement of an ATM withdrawal transaction from the ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

21.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMWdrwlCmpltnAck>	[1..1]			
	Header <Hdr>	[1..1]			582
	MessageFunction <MsgFctn>	[1..1]			583
	Function <Fctn>	[1..1]	CodeSet		583
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		585
	HostServiceCode <HstSvcCd>	[0..1]	Text		585
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		585
	ExchangeIdentification <XchgId>	[1..1]	Text		585
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		585
	CreationDateTime <CreDtTm>	[1..1]	DateTime		586
	InitiatingParty <InitgPty>	[1..1]	Text		586
	RecipientParty <RcptPty>	[0..1]	Text		586
	ProcessState <PrclStat>	[0..1]	Text		586
	Traceability <Tracblt>	[0..*]			586
	RelayIdentification <RlayId>	[1..1]	±		586
	SequenceNumber <SeqNb>	[0..1]	Text		587
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		587
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		587
	ProtectedATMWithdrawalCompletionAcknowledgement <PrctdATMWdrwlCmpltnAck>	[0..1]	±		587
	ATMWithdrawalCompletionAcknowledgement <ATMWdrwlCmpltnAck>	[0..1]			587
	ATM <ATM>	[1..1]	±		588
	Context <Cntxt>	[1..1]			589
	SessionReference <SsnRef>	[0..1]	Text		590
	Service <Svc>	[0..1]			590
	ServiceReference <SvcRef>	[0..1]	Text		590
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		590
	HostServiceCode <HstSvcCd>	[0..1]	Text		591
	ServiceType <SvcTp>	[1..1]	CodeSet		591
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		591

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transaction <Tx>	[1..1]			591
	TransactionIdentification <TxId>	[1..1]	±		592
	Response <Rspn>	[1..1]	CodeSet		592
	ResponseReason <RspnRsn>	[0..1]	CodeSet		593
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		596
	Command <Cmd>	[0..*]			597
	Type <Tp>	[1..1]	CodeSet		597
	Urgency <Urgcy>	[1..1]	CodeSet		597
	DateTime <DtTm>	[0..1]	DateTime		598
	CommandIdentification <CmdId>	[0..1]	±		598
	CommandParameters <CmdParams>	[0..1]	±		598
	SecurityTrailer <SctyTrlr>	[0..1]			598
	ContentType <CnttTp>	[1..1]	CodeSet		599
	AuthenticatedData <AuthntcdData>	[1..1]	±		599

21.3 Constraints

C1 Country

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

21.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

21.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			583
	Function <Fctn>	[1..1]	CodeSet		583
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		585
	HostServiceCode <HstSvcCd>	[0..1]	Text		585
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		585
	ExchangeIdentification <XchgId>	[1..1]	Text		585
	ReTransmissionCounter <ReTrnsmssnCnt>	[0..1]	Quantity		585
	CreationDateTime <CreDtTm>	[1..1]	DateTime		586
	InitiatingParty <InitgPty>	[1..1]	Text		586
	RecipientParty <RcptPty>	[0..1]	Text		586
	ProcessState <PrcStat>	[0..1]	Text		586
	Traceability <Tracblt>	[0..*]			586
	RelayIdentification <RlayId>	[1..1]	±		586
	SequenceNumber <SeqNb>	[0..1]	Text		587
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		587
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		587

21.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		583
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		585
	HostServiceCode <HstSvcCd>	[0..1]	Text		585

21.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

21.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

21.4.1.1.3 HostSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

21.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

21.4.1.3 ExchangeId <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

21.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

21.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

21.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

21.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

21.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

21.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		586
	SequenceNumber <SeqNb>	[0..1]	Text		587
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		587
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		587

21.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

21.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

21.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

21.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

21.4.2 ProtectedATMWithdrawalCompletionAcknowledgement <PrtctdATMWdrwlCmpltnAck>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMWithdrawalCompletionAcknowledgement <PrtctdATMWdrwlCmpltnAck> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

21.4.3 ATMWithdrawalCompletionAcknowledgement <ATMWdrwlCmpltnAck>

Presence: [0..1]

Definition: Information related to the acknowledgement of an ATM withdrawal transaction from the ATM manager.

ATMWithdrawalCompletionAcknowledgement <ATMWdrwlCmpltnAck> contains the following **ATMWithdrawalCompletionAcknowledgement3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ATM <ATM>	[1..1]	±		588
	Context <Cntxt>	[1..1]			589
	SessionReference <SsnRef>	[0..1]	Text		590
	Service <Svc>	[0..1]			590
	ServiceReference <SvcRef>	[0..1]	Text		590
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		590
	HostServiceCode <HstSvcCd>	[0..1]	Text		591
	ServiceType <SvcTp>	[1..1]	CodeSet		591
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		591
	Transaction <Tx>	[1..1]			591
	TransactionIdentification <TxId>	[1..1]	±		592
	Response <Rspn>	[1..1]	CodeSet		592
	ResponseReason <RspnRsn>	[0..1]	CodeSet		593
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		596
	Command <Cmd>	[0..*]			597
	Type <Tp>	[1..1]	CodeSet		597
	Urgency <Urgcy>	[1..1]	CodeSet		597
	DateTime <DtTm>	[0..1]	DateTime		598
	CommandIdentification <CmdId>	[0..1]	±		598
	CommandParameters <CmdParams>	[0..1]	±		598

21.4.3.1 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

21.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		590
	Service <Svc>	[0..1]			590
	ServiceReference <SvcRef>	[0..1]	Text		590
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		590
	HostServiceCode <HstSvcCd>	[0..1]	Text		591
	ServiceType <SvcTp>	[1..1]	CodeSet		591
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		591

21.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

21.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		590
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		590
	HostServiceCode <HstSvcCd>	[0..1]	Text		591
	ServiceType <SvcTp>	[1..1]	CodeSet		591
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		591

21.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

21.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

21.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

21.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of withdrawal selected by the customer.

Datatype: "ATMServiceType1Code" on page 1451

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.

21.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

21.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Acknowledgement of the withdrawal completion advice.

Transaction <Tx> contains the following **ATMTransaction45** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		592
	Response <Rspn>	[1..1]	CodeSet		592
	ResponseReason <RspnRsn>	[0..1]	CodeSet		593
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		596
	Command <Cmd>	[0..*]			597
	Type <Tp>	[1..1]	CodeSet		597
	Urgency <Urgcy>	[1..1]	CodeSet		597
	DateTime <DtTm>	[0..1]	DateTime		598
	CommandIdentification <CmdId>	[0..1]	±		598
	CommandParameters <CmdParams>	[0..1]	±		598

21.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

21.4.3.3.2 Response <Rspn>

Presence: [1..1]

Definition: Response to the advice.

Datatype: ["Response12Code"](#) on page 1472

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

21.4.3.3.3 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "ResultDetail5Code" on page 1472

CodeName	Name	Definition
ACTF	AccountNotFound	Account of the cardholder or the customer is not found.
ACQS	AcquirerNotSupported	Acquirer is not supported.
AMLV	AMLValidation	Error on AML (Anti Money Laundering) validation.
AMTA	AmountNotFound	Amount not found.
AUTH	AuthenticationFailed	Cardholder or customer could not be authenticated, for instance due to an incorrect login identification or an incorrect password.
BANK	BankNotFound	Bank not found.
CRDR	CardError	Card error, for instance invalid ARQC (Authorisation ReQuest Cryptogram).
CRDF	CardVerificationFailed	Identification of the card is invalid.
ACTC	ClosedAccount	Account is no more usable for the transaction.
CTVG	CutoverInProgress	Cutover is in progress, transaction could not be processed.
DBER	DatabaseError	Database access error.
FEES	DisputedFees	Transaction fees are disputed by the issuer.
TXNL	ExceededTransactionLifeCycle	Validity period of the transaction is exceeded.
AMTD	DepositAmountLimit	Amount of deposit transactions exceeds the limit.
NMBD	DepositNumberLimit	Number of deposit transactions or items exceeds the limit.
CRDX	ExpiredCard	Card has expired.
FDCL	FallbackDeclined	Issuer declined the fall-back transaction.
FMTR	FormatError	Invalid format of the message or its content.
TXNG	InProgress	Original request is in progress.
FNDI	InsufficientFunds	Account balance is not sufficient.
ACPI	InvalidAcceptor	Issuer denies the acceptor.
AMTI	InvalidAmount	Requested amount is outside the card limits, or the currency is invalid.
ADDI	InvalidAddress	Part of the specified address is incorrect.
BRHI	InvalidBranch	Invalid branch or bank information.

CodeName	Name	Definition
CHDI	InvalidCardholderIdentification	Identification of the cardholder or the customer does not match.
CRDI	InvalidCardNumber	Identification of the card is invalid.
CTFV	InvalidCertificate	Digital certificate cannot be authenticated, is expired or revoked.
AMTO	InvalidOriginalAmount	Original amount is invalid.
PINV	InvalidPIN	PIN is invalid.
TKKO	InvalidToken	Token cannot be used to surrogate a PAN (Primary Account Number).
SGNI	InvalidSignature	Signed message has an invalid signature.
TKID	InvalidTokenIdentification	Identification of the token provider or the token requestor is invalid.
TXNV	InvalidTransaction	Transaction is invalid.
DATI	InvalidTransactionDateTime	Date time of the transaction is invalid.
ISSP	IssuerInoperative	Issuer is inoperative.
ISSF	IssuerNotFound	Issuer is not found.
ISSO	IssuerSignedOff	Transaction could not be processed as Issuer is signed off.
ISST	IssuerTimeOut	Transaction could not be processed as Issuer times out.
ISSU	IssuerUnavailable	Transaction could not be processed as Issuer is unavailable.
KEYS	KeyStorageSaturation	Storage space not available for the key.
LBLA	LiabilityAccepted	Transaction is processed and liability is accepted.
CRDL	LostCard	Card has been declared lost.
MACR	MACError	MAC error.
MACK	MACKeyError	MAC key error.
ICCM	MissingICCDData	ICC data elements required for processing the ICC transaction were not present in the message.
PINN	NewPINInvalid	New PIN is invalid (PIN change).
CRDA	NoCardRecord	No card file record.
LBLU	NoLiabilityAccepted	Transaction is processed, but liability is not accepted.
PINA	NotAbleToValidatePIN	PIN could not be validated.
NPRA	NotPermittedToAcceptor	Process not permitted to the acceptor (for example fall back).
OFFL	OffLineProcess	Transaction has been processed offline by the terminal.

CodeName	Name	Definition
ONLP	OffLineProcessAfterReferral	Transaction has been processed offline after referral.
NPRC	NotPermittedToCardholder	Transaction not permitted to the cardholder or the customer.
TXNM	OriginalDoesNotMatch	Original is found, but transaction does not match.
OTHR	OtherError	Other error.
BALO	OutOfBalance	Out of balance.
SECO	OutOfSequence	Message is out of sequence.
PINC	PINChangeRequired	Cardholder must change the PIN to be able to perform the transaction.
PIND	PINDataRequired	Additional information are required to verify the PIN.
PINS	PINSecurityError	PIN length or PIN key is invalid.
PINX	PINTriesExceeded	Last attempt of the PIN verification fails.
PINE	PINEncryptionError	Decrypted PIN block is invalid.
QMAX	QueueMaximumExceeded	Store and forward queue maximum exceeded.
RECD	RecurringDataError	Recurring Error on Data.
CRDT	RestrictedCard	Requested service not allowed by the card.
SECV	SecurityViolation	Security violation, for instance invalid ARPC (Authorisation ResPonse Cryptogram).
SRVU	ServiceNotEnabled	Cardholder or customer has not enabled the service with the service provider.
SFWE	SoftwareOrHardwareError	Security software or hardware error.
SPCC	SpecialConditions	Special card conditions not respected.
CRDS	StolenCard	Card has been declared stolen.
SRCH	SurchargeNotPermitted	Surcharging is not permitted.
CNTC	SuspectedCounterfeitCard	Counterfeit card suspected by the issuer or the processor.
FRDS	SuspectedFraud	Fraudulent transaction is suspected by the issuer or the processor.
SYSP	SystemInoperative	Processing temporary not available.
SYSM	SystemMalfunction	System Malfunction.
TRMI	TerminalNotConfigured	Server received a terminal identification that it does not have any knowledge of.
ACTT	ToAccountError	To account status error.
TTLV	TotalsNotAvailable	Totals are not available.
TXNU	TransactionDidNotComplete	Transaction did not complete at the terminal.

CodeName	Name	Definition
TXND	TransactionDuplicate	Transaction identification already used for another transaction.
ORGF	UnableToFindOriginal	Transaction could not be processed as original is not found.
UNBO	UnableToGoOnLine	Transaction cannot be processed online by the terminal.
UNBP	UnableToProcessOffLine	Transaction cannot be processed offline.
UNBC	UnacceptableCurrency	Currency is unacceptable for the Issuer or the processor.
CMKY	UnavailablecommunicationKey	Communication keys are not available.
CRDU	UneffectiveCard	Card is not active yet.
SVSU	UnsupportedService	Requested service not supported.
VNDR	VendorFormatError	Vendor format has an error.
VNDF	VendorNotFound	Vendor not found.
AMTW	WithdrawalAmountLimit	Amount of withdrawal transactions exceeds card limit.
NMBW	WithdrawalNumberLimit	Number of withdrawal transactions exceeds card limit.
CRDW	WrongCard	Other card used for the original transaction.
MEDI	InvalidMediaType	The requested media are not allowed for the service.
SRVI	InvalidService	The requested service is not allowed.
AMMA	AccountMatchesMultipleAccounts	The account details provided in the request message matches multiple accounts.
AGFE	AgreeFee	Consumer must agree fee from those provided to authorise the transaction. See <Tx><AuthstnRsIt><FeeToAdd>.
SACT	SelectAccount	Consumer must select an account from those provided to authorise the transaction. See <Tx><AcctInf>.
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvsElgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

21.4.3.3.4 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

21.4.3.3.5 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		597
	Urgency <Urgcy>	[1..1]	CodeSet		597
	DateTime <DtTm>	[0..1]	DateTime		598
	CommandIdentification <CmdId>	[0..1]	±		598
	CommandParameters <CmdParams>	[0..1]	±		598

21.4.3.3.5.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

21.4.3.3.5.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

CodeName	Name	Definition
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.
ENCS	EndCustomerSession	After the end of the customer session.

21.4.3.3.5.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

21.4.3.3.5.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

21.4.3.3.5.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

21.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		599
	AuthenticatedData <AuthntcdData>	[1..1]	±		599

21.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

21.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

22 catp.005.001.02 ATMRejectV02

22.1 MessageDefinition Functionality

The ATMReject message is sent by any entity to reject a received message.

Outline

The ATMRejectV02 MessageDefinition is composed of 2 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ATMReject

Information related to the reject of a message from an ATM or an ATM manager.

22.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMRjct>	[1..1]			
	Header <Hdr>	[1..1]			602
	MessageFunction <MsgFctn>	[1..1]			602
	Function <Fctn>	[1..1]	CodeSet		603
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		604
	HostServiceCode <HstSvcCd>	[0..1]	Text		604
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		604
	Exchangeldentification <Xchgld>	[0..1]	Text		604
	CreationDateTime <CreDtTm>	[1..1]	DateTime		604
	InitiatingParty <InitgPty>	[0..1]	Text		605
	RecipientParty <RcptPty>	[0..1]	Text		605
	ProcessState <PrcStat>	[0..1]	Text		605
	Traceability <Tracblt>	[0..*]			605
	Relayldentification <Rlayld>	[1..1]	±		605
	SequenceNumber <SeqNb>	[0..1]	Text		606
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		606
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		606
	ATMReject <ATMRjct>	[1..1]			606
	RejectInitiatorldentification <Rjctlnitrlld>	[0..1]	Text		607
	RejectReason <RjctRsn>	[1..1]	CodeSet		607
	AdditionalInformation <AddtlInf>	[0..1]	Text		608
	Command <Cmd>	[0..*]			608
	Type <Tp>	[1..1]	CodeSet		608
	Urgency <Urgcy>	[1..1]	CodeSet		609
	DateTime <DtTm>	[0..1]	DateTime		609
	Commandldentification <Cmdld>	[0..1]	±		609
	CommandParameters <CmdParams>	[0..1]	±		609
	MessageInError <MsgInErr>	[0..1]	Binary		610

22.3 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

22.3.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header33** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			602
	Function <Fctn>	[1..1]	CodeSet		603
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		604
	HostServiceCode <HstSvcCd>	[0..1]	Text		604
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		604
	ExchangeIdentification <XchgId>	[0..1]	Text		604
	CreationDateTime <CreDtTm>	[1..1]	DateTime		604
	InitiatingParty <InitgPty>	[0..1]	Text		605
	RecipientParty <RcptPty>	[0..1]	Text		605
	ProcessState <PrcStat>	[0..1]	Text		605
	Traceability <Tracblt>	[0..*]			605
	RelayIdentification <RlayId>	[1..1]	±		605
	SequenceNumber <SeqNb>	[0..1]	Text		606
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		606
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		606

22.3.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		603
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		604
	HostServiceCode <HstSvcCd>	[0..1]	Text		604

22.3.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.

CodeName	Name	Definition
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

22.3.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

22.3.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

22.3.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

22.3.1.3 ExchangeIdentification <XchgId>

Presence: [0..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

22.3.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

22.3.1.5 InitiatingParty <InitgPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

22.3.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

22.3.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

22.3.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		605
	SequenceNumber <SeqNb>	[0..1]	Text		606
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		606
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		606

22.3.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

22.3.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

22.3.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODatetime" on page 1478

22.3.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODatetime" on page 1478

22.3.2 ATMReject <ATMRjct>

Presence: [1..1]

Definition: Information related to the reject of a message from an ATM or an ATM manager.

ATMReject <ATMRjct> contains the following **ATMReject2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RejectInitiatorIdentification <RjctIntrld>	[0..1]	Text		607
	RejectReason <RjctRsn>	[1..1]	CodeSet		607
	AdditionalInformation <AddtlInf>	[0..1]	Text		608
	Command <Cmd>	[0..*]			608
	Type <Tp>	[1..1]	CodeSet		608
	Urgency <Urgcy>	[1..1]	CodeSet		609
	DateTime <DtTm>	[0..1]	DateTime		609
	CommandIdentification <CmdId>	[0..1]	±		609
	CommandParameters <CmdParams>	[0..1]	±		609
	MessageInError <MsgInErr>	[0..1]	Binary		610

22.3.2.1 RejectInitiatorIdentification <RjctIntrld>

Presence: [0..1]

Definition: Identification of the entity sending the reject message.

Datatype: "Max35Text" on page 1483

22.3.2.2 RejectReason <RjctRsn>

Presence: [1..1]

Definition: High level information allowing the sender of a request or an advice to know the types of error, and handle them accordingly.

Datatype: "RejectReason1Code" on page 1471

CodeName	Name	Definition
UNPR	UnableToProcess	Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource.
IMSG	InvalidMessage	Invalid envelope of the message.
PARS	ParsingError	Invalid message: At least one of the data element or data structure is not present, the format, or the content of one data element or one data structure is not correct.
SECU	Security	Security error (for example an invalid key or an incorrect MAC value).
INTP	InitiatingParty	Invalid identification data for the sender.
RCPD	RecipientParty	Invalid identification data for the the receiver.

CodeName	Name	Definition
DPMG	DuplicateMessage	Duplicate message, the identification of the exchange is the same than a previous message.
VERS	ProtocolVersion	Version of the protocol couldn't be supported by the recipient.
MSGT	MessageType	Type of message the recipient receives is unknow or unsupported.

22.3.2.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information related to the sending of a reject message in response to a request or an advice.

For logging purpose, in order to allow further analysis, statistics and deferred processing on the success or the failure of the request processing.

Datatype: "Max500Text" on page 1484

22.3.2.4 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		608
	Urgency <Urgcy>	[1..1]	CodeSet		609
	DateTime <DtTm>	[0..1]	DateTime		609
	CommandIdentification <CmdId>	[0..1]	±		609
	CommandParameters <CmdParams>	[0..1]	±		609

22.3.2.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.

CodeName	Name	Definition
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

22.3.2.4.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

22.3.2.4.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

22.3.2.4.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

22.3.2.4.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see
"ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

22.3.2.5 MessageInError <MsgInErr>

Presence: [0..1]

Definition: Received message that has been rejected.

Datatype: "Max100KBinary" on page 1432

23 catp.006.001.03 ATMInquiryRequestV03

23.1 MessageDefinition Functionality

The ATMInquiryRequest message is sent by an ATM to an ATM manager to request information about a customer (for example card, account).

Outline

The ATMInquiryRequestV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMInquiryRequest
Encrypted body of the message.
- C. ATMInquiryRequest
Information related to the request of an inquiry from an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

23.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMNqryReq>	[1..1]			
	Header <Hdr>	[1..1]			616
	MessageFunction <MsgFctn>	[1..1]			617
	Function <Fctn>	[1..1]	CodeSet		617
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		619
	HostServiceCode <HstSvcCd>	[0..1]	Text		619
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		619
	ExchangeIdentification <XchgId>	[1..1]	Text		619
	CreationDateTime <CreDtTm>	[1..1]	DateTime		619
	InitiatingParty <InitgPty>	[1..1]	Text		619
	RecipientParty <RcptPty>	[0..1]	Text		620
	ProcessState <PrcStat>	[0..1]	Text		620
	Traceability <Tracblt>	[0..*]			620
	RelayIdentification <RlayId>	[1..1]	±		620
	SequenceNumber <SeqNb>	[0..1]	Text		620
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		621
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		621
	ProtectedATMInquiryRequest <PrtctdATMNqryReq>	[0..1]	±		621
	ATMInquiryRequest <ATMNqryReq>	[0..1]			621
	Environment <Envt>	[1..1]			625
	Acquirer <Acqrr>	[0..1]	±		628
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		628
	HostingEntity <HstgNtty>	[0..1]	±		628
	ATM <ATM>	[1..1]			629
	Identification <Id>	[1..1]	Text		631
	AdditionalIdentification <AddtlId>	[0..1]	Text		631
	SequenceNumber <SeqNb>	[0..1]	Text		631
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	631
	Location <Lctn>	[0..1]			631
	AddressLine <AdrLine>	[0..2]	Text		632

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		632
	BuildingNumber <BldgNb>	[0..1]	Text		632
	PostCode <PstCd>	[0..1]	Text		632
	TownName <TwnNm>	[1..1]	Text		633
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		633
	Country <Ctry>	[1..1]	CodeSet	C3	633
	GeoLocation <GLctn>	[0..1]			633
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			633
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634
Or}	UTMCoordinates <UTMCordints>	[1..1]			634
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		635
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		635
	Capabilities <Cpblties>	[0..1]	±		635
	Equipment <Eqpmnt>	[0..1]			636
	Manufacturer <Manfctr>	[0..1]	Text		637
	Model <Mdl>	[0..1]	Text		637
	SerialNumber <SrINb>	[0..1]	Text		637
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		637
	ApplicationName <ApplNm>	[0..1]	Text		637
	ApplicationVersion <ApplVrsn>	[0..1]	Text		638
	ApprovalNumber <ApprvINb>	[0..1]	Text		638
	ConfigurationParameter <CfgrtnParam>	[0..*]			638
	Type <Tp>	[1..1]	CodeSet		638
	Version <Vrsn>	[1..1]	Text		639
	AvailableDevice <AvlblDvc>	[0..*]	CodeSet		639
	Customer <Cstmr>	[0..1]			640
	Profile <Prfl>	[0..1]			640
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		641

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		641
	CustomerIdentification <Cstmrlid>	[0..1]	Text		641
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	641
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	642
	Authentication <Authntcn>	[1..*]			642
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		642
	TokenRequested <TknReqd>	[0..1]	Indicator		643
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		643
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		643
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		643
	AuthenticationResult <AuthntcnRslt>	[0..*]			644
	Method <Mtd>	[1..1]	CodeSet		644
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		645
	Result <Rslt>	[0..1]	CodeSet		645
	AdditionalResult <AddtlRslt>	[0..1]	Text		645
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		645
	Card <Card>	[0..1]			645
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		646
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		647
	ProtectedCardData <PrctcdCardData>	[0..1]	±		647
	PlainCardData <PlainCardData>	[0..1]			647
	PAN <PAN>	[0..1]	Text		648
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		648
	EffectiveDate <FctvDt>	[0..1]	Text		648
	ExpiryDate <XpryDt>	[0..1]	Text		648
	ServiceCode <SvcCd>	[0..1]	Text		648
	Track1 <Trck1>	[0..1]	Text		649
	Track2 <Trck2>	[0..1]	Text		649
	Track3 <Trck3>	[0..1]	Text		649
	CardholderName <CrhdldrNm>	[0..1]	Text		649
	CardCountryCode <CardCtryCd>	[0..1]	Text		649

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		649
	Context <Cntxt>	[1..1]			649
	SessionReference <SsnRef>	[0..1]	Text		650
	Service <Svc>	[1..1]			650
	ServiceReference <SvcRef>	[0..1]	Text		650
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		650
	ServiceType <SvcTp>	[1..1]	CodeSet		650
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		651
	Transaction <Tx>	[1..1]			651
	TransactionIdentification <TxId>	[1..1]	±		652
	AccountData <AcctData>	[0..1]			653
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		653
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		654
	AccountName <AcctNm>	[0..1]	Text		655
	AccountOwner <AcctOwnr>	[0..1]			655
	Name <Nm>	[1..1]	Text		655
	Address <Adr>	[1..1]	±		655
	Currency <Ccy>	[0..1]	CodeSet	C1	656
	AccountIdentifier <AcctIdr>	[0..1]			656
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	657
Or	BBAN <BBAN>	[1..1]	IdentifierSet		657
Or	UPIC <UPIC>	[1..1]	IdentifierSet		657
Or	DomesticAccount <DmstAcct>	[1..1]			657
	Identification <Id>	[1..1]	Text		657
Or	MSISDN <MSISDN>	[1..1]	Text		658
Or}	Email <Email>	[1..1]	Text		658
	Servicer <Svcr>	[0..1]			658
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	658
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		658
	ProtectedAccountData <PrctdAcctData>	[0..1]	±		659
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	±		659

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		659
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660
	SecurityTrailer <SctyTrlr>	[0..1]			660
	ContentType <CnttTp>	[1..1]	CodeSet		660
	AuthenticatedData <AuthntcdData>	[1..1]	±		660

23.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

23.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

23.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			617
	Function <Fctn>	[1..1]	CodeSet		617
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		619
	HostServiceCode <HstSvcCd>	[0..1]	Text		619
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		619
	ExchangeIdentification <XchgId>	[1..1]	Text		619
	CreationDateTime <CreDtTm>	[1..1]	DateTime		619
	InitiatingParty <InitgPty>	[1..1]	Text		619
	RecipientParty <RcptPty>	[0..1]	Text		620
	ProcessState <PrcStat>	[0..1]	Text		620
	Traceability <Tracblt>	[0..*]			620
	RelayIdentification <RlayId>	[1..1]	±		620
	SequenceNumber <SeqNb>	[0..1]	Text		620
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		621
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		621

23.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		617
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		619
	HostServiceCode <HstSvcCd>	[0..1]	Text		619

23.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

23.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

23.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

23.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

23.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

23.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

23.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

23.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

23.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

23.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		620
	SequenceNumber <SeqNb>	[0..1]	Text		620
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		621
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		621

23.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

23.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

23.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

23.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

23.4.2 ProtectedATMInquiryRequest <PrtctdATMNqryReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMInquiryRequest <PrtctdATMNqryReq> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

23.4.3 ATMInquiryRequest <ATMNqryReq>

Presence: [0..1]

Definition: Information related to the request of an inquiry from an ATM.

ATMInquiryRequest <ATMNqryReq> contains the following **ATMInquiryRequest3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			625
	Acquirer <Acqrr>	[0..1]	±		628
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		628
	HostingEntity <HstgNtty>	[0..1]	±		628
	ATM <ATM>	[1..1]			629
	Identification <Id>	[1..1]	Text		631
	AdditionalIdentification <AddtlId>	[0..1]	Text		631
	SequenceNumber <SeqNb>	[0..1]	Text		631
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	631
	Location <Lctn>	[0..1]			631
	AddressLine <AdrLine>	[0..2]	Text		632
	StreetName <StrtNm>	[0..1]	Text		632
	BuildingNumber <BldgNb>	[0..1]	Text		632
	PostCode <PstCd>	[0..1]	Text		632
	TownName <TwnNm>	[1..1]	Text		633
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		633
	Country <Ctry>	[1..1]	CodeSet	C3	633
	GeoLocation <GLctn>	[0..1]			633
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			633
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634
Or}	UTMCoordinates <UTMCordints>	[1..1]			634
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		635
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		635
	Capabilities <Cpblties>	[0..1]	±		635
	Equipment <Eqpmnt>	[0..1]			636
	Manufacturer <Manfctr>	[0..1]	Text		637
	Model <Mdl>	[0..1]	Text		637
	SerialNumber <SrlNb>	[0..1]	Text		637

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationProvider <AppIPrvdr>	[0..1]	Text		637
	ApplicationName <AppINm>	[0..1]	Text		637
	ApplicationVersion <AppIVrsn>	[0..1]	Text		638
	ApprovalNumber <ApprvINb>	[0..1]	Text		638
	ConfigurationParameter <CfgrtnParam>	[0..*]			638
	Type <Tp>	[1..1]	CodeSet		638
	Version <Vrsn>	[1..1]	Text		639
	AvailableDevice <AvlblDvc>	[0..*]	CodeSet		639
	Customer <Cstmr>	[0..1]			640
	Profile <Prfl>	[0..1]			640
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		641
	ProfileReference <PrflRef>	[0..1]	Text		641
	CustomerIdentification <Cstmrlid>	[0..1]	Text		641
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	641
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	642
	Authentication <Authntcn>	[1..*]			642
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		642
	TokenRequested <TknReqd>	[0..1]	Indicator		643
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		643
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		643
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		643
	AuthenticationResult <AuthntcnRslt>	[0..*]			644
	Method <Mtd>	[1..1]	CodeSet		644
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		645
	Result <Rslt>	[0..1]	CodeSet		645
	AdditionalResult <AddtlRslt>	[0..1]	Text		645
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		645
	Card <Card>	[0..1]			645
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		646
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		647
	ProtectedCardData <PrctcdCardData>	[0..1]	±		647

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlainCardData <PlainCardData>	[0..1]			647
	PAN <PAN>	[0..1]	Text		648
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		648
	EffectiveDate <FctvDt>	[0..1]	Text		648
	ExpiryDate <XpryDt>	[0..1]	Text		648
	ServiceCode <SvcCd>	[0..1]	Text		648
	Track1 <Trck1>	[0..1]	Text		649
	Track2 <Trck2>	[0..1]	Text		649
	Track3 <Trck3>	[0..1]	Text		649
	CardholderName <CrdhldrNm>	[0..1]	Text		649
	CardCountryCode <CardCtryCd>	[0..1]	Text		649
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		649
	Context <Cntxt>	[1..1]			649
	SessionReference <SsnRef>	[0..1]	Text		650
	Service <Svc>	[1..1]			650
	ServiceReference <SvcRef>	[0..1]	Text		650
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		650
	ServiceType <SvcTp>	[1..1]	CodeSet		650
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		651
	Transaction <Tx>	[1..1]			651
	TransactionIdentification <TxId>	[1..1]	±		652
	AccountData <AcctData>	[0..1]			653
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		653
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		654
	AccountName <AcctNm>	[0..1]	Text		655
	AccountOwner <AcctOwnr>	[0..1]			655
	Name <Nm>	[1..1]	Text		655
	Address <Adr>	[1..1]	±		655
	Currency <Ccy>	[0..1]	CodeSet	C1	656
	AccountIdentifier <AcctIdr>	[0..1]			656
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	657

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	BBAN <BBAN>	[1..1]	IdentifierSet		657
Or	UPIC <UPIC>	[1..1]	IdentifierSet		657
Or	DomesticAccount <DmstAcct>	[1..1]			657
	Identification <Id>	[1..1]	Text		657
Or	MSISDN <MSISDN>	[1..1]	Text		658
Or}	Email <Email>	[1..1]	Text		658
	Servicer <Svcr>	[0..1]			658
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	658
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		658
	ProtectedAccountData <PrctdAcctData>	[0..1]	±		659
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	±		659
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		659
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		660

23.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment in which the inquiry is performed.

Environment <Envt> contains the following **ATMEnvironment17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		628
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		628
	HostingEntity <HstgNtty>	[0..1]	±		628
	ATM <ATM>	[1..1]			629
	Identification <Id>	[1..1]	Text		631
	AdditionalIdentification <AddtlId>	[0..1]	Text		631
	SequenceNumber <SeqNb>	[0..1]	Text		631
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	631
	Location <Lctn>	[0..1]			631
	AddressLine <AdrLine>	[0..2]	Text		632
	StreetName <StrtNm>	[0..1]	Text		632
	BuildingNumber <BldgNb>	[0..1]	Text		632
	PostCode <PstCd>	[0..1]	Text		632
	TownName <TwnNm>	[1..1]	Text		633
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		633
	Country <Ctry>	[1..1]	CodeSet	C3	633
	GeoLocation <GLctn>	[0..1]			633
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			633
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634
Or}	UTMCoordinates <UTMCordints>	[1..1]			634
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		635
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		635
	Capabilities <Cpblties>	[0..1]	±		635
	Equipment <Eqpmnt>	[0..1]			636
	Manufacturer <Manfctr>	[0..1]	Text		637
	Model <Mdl>	[0..1]	Text		637
	SerialNumber <SrlNb>	[0..1]	Text		637
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		637

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		637
	ApplicationVersion <AppIVrsn>	[0..1]	Text		638
	ApprovalNumber <ApprvINb>	[0..1]	Text		638
	ConfigurationParameter <CfgtnParam>	[0..*]			638
	Type <Tp>	[1..1]	CodeSet		638
	Version <Vrsn>	[1..1]	Text		639
	AvailableDevice <AvlblDvc>	[0..*]	CodeSet		639
	Customer <Cstmr>	[0..1]			640
	Profile <Prfl>	[0..1]			640
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		641
	ProfileReference <PrflRef>	[0..1]	Text		641
	CustomerIdentification <CstmrlId>	[0..1]	Text		641
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	641
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	642
	Authentication <Authntcn>	[1..*]			642
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		642
	TokenRequested <TknReqd>	[0..1]	Indicator		643
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		643
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		643
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		643
	AuthenticationResult <AuthntcnRsIt>	[0..*]			644
	Method <Mtd>	[1..1]	CodeSet		644
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		645
	Result <RsIt>	[0..1]	CodeSet		645
	AdditionalResult <AddtlRsIt>	[0..1]	Text		645
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		645
	Card <Card>	[0..1]			645
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		646
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		647
	ProtectedCardData <PrtctdCardData>	[0..1]	±		647
	PlainCardData <PlainCardData>	[0..1]			647

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		648
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		648
	EffectiveDate <FctvDt>	[0..1]	Text		648
	ExpiryDate <XpryDt>	[0..1]	Text		648
	ServiceCode <SvcCd>	[0..1]	Text		648
	Track1 <Trck1>	[0..1]	Text		649
	Track2 <Trck2>	[0..1]	Text		649
	Track3 <Trck3>	[0..1]	Text		649
	CardholderName <CrdhldrNm>	[0..1]	Text		649
	CardCountryCode <CardCtryCd>	[0..1]	Text		649
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		649

23.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

23.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "Max35Text" on page 1483

23.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

23.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		631
	AdditionalIdentification <AddtlId>	[0..1]	Text		631
	SequenceNumber <SeqNb>	[0..1]	Text		631
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	631
	Location <Lctn>	[0..1]			631
	AddressLine <AdrLine>	[0..2]	Text		632
	StreetName <StrtNm>	[0..1]	Text		632
	BuildingNumber <BldgNb>	[0..1]	Text		632
	PostCode <PstCd>	[0..1]	Text		632
	TownName <TwnNm>	[1..1]	Text		633
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		633
	Country <Ctry>	[1..1]	CodeSet	C3	633
	GeoLocation <GLctn>	[0..1]			633
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			633
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634
Or}	UTMCoordinates <UTMCordints>	[1..1]			634
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		635
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		635
	Capabilities <Cpblties>	[0..1]	±		635
	Equipment <Eqpmnt>	[0..1]			636
	Manufacturer <Manfctr>	[0..1]	Text		637
	Model <Mdl>	[0..1]	Text		637
	SerialNumber <SrlNb>	[0..1]	Text		637
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		637
	ApplicationName <ApplNm>	[0..1]	Text		637
	ApplicationVersion <ApplVrsn>	[0..1]	Text		638
	ApprovalNumber <ApprvlNb>	[0..1]	Text		638
	ConfigurationParameter <CfgrtnParam>	[0..*]			638

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		638
	Version <Vrsn>	[1..1]	Text		639
	AvailableDevice <AvlblDvc>	[0..*]	CodeSet		639

23.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

23.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		632
	StreetName <StrtNm>	[0..1]	Text		632
	BuildingNumber <BldgNb>	[0..1]	Text		632
	PostCode <PstCd>	[0..1]	Text		632
	TownName <TwnNm>	[1..1]	Text		633
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		633
	Country <Ctry>	[1..1]	CodeSet	C3	633
	GeoLocation <GLctn>	[0..1]			633
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			633
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634
Or}	UTMCoordinates <UTMCordints>	[1..1]			634
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		635

23.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

23.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

23.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

23.4.3.1.4.5.4 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 1482

23.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

23.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			633
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634
Or}	UTMCoordinates <UTMCordints>	[1..1]			634
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		635

23.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		634
	Longitude <Long>	[1..1]	Text		634

23.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

23.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

23.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		634
	UTMEastward <UTMEstwr>	[1..1]	Quantity		634
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		635

23.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

23.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

23.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

23.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

23.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntrctvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

23.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		637
	Model <Mdl>	[0..1]	Text		637
	SerialNumber <SrINb>	[0..1]	Text		637
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		637
	ApplicationName <ApplNm>	[0..1]	Text		637
	ApplicationVersion <ApplVrsn>	[0..1]	Text		638
	ApprovalNumber <ApprvINb>	[0..1]	Text		638
	ConfigurationParameter <CfgtnParam>	[0..*]			638
	Type <Tp>	[1..1]	CodeSet		638
	Version <Vrsn>	[1..1]	Text		639

23.4.3.1.4.8.1 **Manufacturer <Manfctr>**

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.2 **Model <Mdl>**

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.3 **SerialNumber <SrINb>**

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.4 **ApplicationProvider <ApplPrvdr>**

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.5 **ApplicationName <ApplNm>**

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		638
	Version <Vrsn>	[1..1]	Text		639

23.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

23.4.3.1.4.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

23.4.3.1.4.9 AvailableDevice <AvlblDvc>

Presence: [0..*]

Definition: List of ATM devices out of service.

Datatype: "ATMDevice2Code" on page 1444

CodeName	Name	Definition
ALRM	AlarmSensors	Alarm sensors, such as tamper, seismic or heat sensors.
BRCD	BarCodeReader	Device scanning barcodes using any scanning technology.
CAMR	Camera	Camera, recorder, video mixer.
CRDD	CardDispenser	Device dispensing card to a consumer.
CRDR	CardUnit	Device to read and optionally write card with various entry modes.
CSHD	CashDispenser	Device dispensing cash in an automated environment, or with an operator present.
CSHI	CashInModule	Device accepting in-out of items as coupons, documents, bills and coins.
CSHR	CashRecycler	Compound device with cash in module, cash dispenser, and cash exchange.
CHCK	CheckReader	Check reader and check image scanner.
CDIS	CustomerConsole	Customer display and keyboard.
DPST	Deposit	Device for the deposit of media in envelopes or deposit of bags containing bulk media.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
DOOR	DoorSensors	Door sensors, such as cabinet, safe or vandal shield doors.
INPM	InputProcessingModule	Self service device processing items.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
SNSR	OtherSensor	Other sensors and indicators unit.
PSBK	PassbookPrinter	Passbook device supporting automatic positioning of the book.
PINR	PINKeypad	Hardware security module allowing the PIN (Personal Identification Number)

CodeName	Name	Definition
		entry, secure storing of cryptographic keys, and other cryptographic functions.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
SCAN	ScannerPrinter	Device incorporating both the capabilities to scan inserted documents and optionally to print on them.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

23.4.3.1.5 Customer <Cstmr>

Presence: [0..1]

Definition: Customer involved in the withdrawal transaction.

Customer <Cstmr> contains the following **ATMCustomer8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			640
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		641
	ProfileReference <PrflRef>	[0..1]	Text		641
	CustomerIdentification <CstmrlId>	[0..1]	Text		641
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	641
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	642
	Authentication <Authntcn>	[1..*]			642
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		642
	TokenRequested <TknReqd>	[0..1]	Indicator		643
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		643
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		643
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		643
	AuthenticationResult <AuthntcnRslt>	[0..*]			644
	Method <Mtd>	[1..1]	CodeSet		644
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		645
	Result <Rslt>	[0..1]	CodeSet		645
	AdditionalResult <AddtlRslt>	[0..1]	Text		645
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		645

23.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		641
	ProfileReference <PrflRef>	[0..1]	Text		641
	CustomerIdentification <CstmrlId>	[0..1]	Text		641
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	641

23.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

23.4.3.1.5.1.2 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

23.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

23.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

23.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

23.4.3.1.5.3 Authentication <Authntcn>

Presence: [1..*]

Definition: Method and data intended to be used for this transaction to authenticate the customer and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		642
	TokenRequested <TknReqd>	[0..1]	Indicator		643
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		643
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		643
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		643

23.4.3.1.5.3.1 AuthenticationMethod <AuthntcnMtd>

Presence: [1..1]

Definition: Method and data intended to be used for this transaction to authenticate the customer or its card.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

23.4.3.1.5.3.2 TokenRequested <TknReqd>

Presence: [0..1]

Definition: True if an authentication token is requested to the host. This token will be provided to the ATM for further authentication.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

23.4.3.1.5.3.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value or token to be used for customer or card authentication.

Datatype: "Max5000Binary" on page 1433

23.4.3.1.5.3.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

23.4.3.1.5.3.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following elements (see "OnLinePIN5" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

23.4.3.1.5.4 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		644
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		645
	Result <Rslt>	[0..1]	CodeSet		645
	AdditionalResult <AddtlRslt>	[0..1]	Text		645
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		645

23.4.3.1.5.4.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

23.4.3.1.5.4.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

23.4.3.1.5.4.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

23.4.3.1.5.4.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

23.4.3.1.5.4.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

23.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the withdrawal transaction.

Card <Card> contains the following **PaymentCard36** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		646
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		647
	ProtectedCardData <PrtctdCardData>	[0..1]	±		647
	PlainCardData <PlainCardData>	[0..1]			647
	PAN <PAN>	[0..1]	Text		648
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		648
	EffectiveDate <FctvDt>	[0..1]	Text		648
	ExpiryDate <XpryDt>	[0..1]	Text		648
	ServiceCode <SvcCd>	[0..1]	Text		648
	Track1 <Trck1>	[0..1]	Text		649
	Track2 <Trck2>	[0..1]	Text		649
	Track3 <Trck3>	[0..1]	Text		649
	CardholderName <CrdhldrNm>	[0..1]	Text		649
	CardCountryCode <CardCtryCd>	[0..1]	Text		649
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		649

23.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

23.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicates the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

23.4.3.1.6.3 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 "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

23.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		648
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		648
	EffectiveDate <FctvDt>	[0..1]	Text		648
	ExpiryDate <XpryDt>	[0..1]	Text		648
	ServiceCode <SvcCd>	[0..1]	Text		648
	Track1 <Trck1>	[0..1]	Text		649
	Track2 <Trck2>	[0..1]	Text		649
	Track3 <Trck3>	[0..1]	Text		649
	CardholderName <CrdhldrNm>	[0..1]	Text		649

23.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

23.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

23.4.3.1.6.4.3 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 1482

23.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

23.4.3.1.6.4.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1481

23.4.3.1.6.4.6 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 1485

23.4.3.1.6.4.7 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 1483

23.4.3.1.6.4.8 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 1481

23.4.3.1.6.4.9 CardholderName <CrhdlrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1484

23.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

23.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

23.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the inquiry is performed.

Context <Cntxt> contains the following **ATMContext26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		650
	Service <Svc>	[1..1]			650
	ServiceReference <SvcRef>	[0..1]	Text		650
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		650
	ServiceType <SvcTp>	[1..1]	CodeSet		650
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		651

23.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

23.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		650
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		650
	ServiceType <SvcTp>	[1..1]	CodeSet		650
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		651

23.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

23.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

23.4.3.2.2.3 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType12Code" on page 1449

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
CDVF	CardVerification	Verification of the card.
DCCS	DynamicCurrencyConversion	Ask to a DCC service provider to qualify the currency conversion for the card.
XRTD	ExchangeRateDeposit	Ask for exchange rate for the ongoing deposit transaction.
XRTW	ExchangeRateWithdrawal	Ask for exchange rate for the ongoing withdrawal transaction.
EMVS	SelectEMVApplication	Select the EMV applications allowed by the acquirer.
CMPF	CustomerProfile	Ask for customer profile with eventually related account information.
BLCQ	BalanceInquiry	Balance inquiry.
ACCD	AccountDownload	Download accounts associated to the customer card.
MINI	MiniStatement	Request a mini-statement (i.e. partial statement) related to a customer account.

23.4.3.2.2.4 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

23.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Inquiry information for the transaction.

Transaction <Tx> contains the following **ATMTransaction42** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		652
	AccountData <AcctData>	[0..1]			653
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		653
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		654
	AccountName <AcctNm>	[0..1]	Text		655
	AccountOwner <AcctOwnr>	[0..1]			655
	Name <Nm>	[1..1]	Text		655
	Address <Adr>	[1..1]	±		655
	Currency <Ccy>	[0..1]	CodeSet	C1	656
	AccountIdentifier <AcctIdr>	[0..1]			656
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	657
Or	BBAN <BBAN>	[1..1]	IdentifierSet		657
Or	UPIC <UPIC>	[1..1]	IdentifierSet		657
Or	DomesticAccount <DmstAcct>	[1..1]			657
	Identification <Id>	[1..1]	Text		657
Or	MSISDN <MSISDN>	[1..1]	Text		658
Or}	Email <Email>	[1..1]	Text		658
	Servicer <Svcr>	[0..1]			658
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	658
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		658
	ProtectedAccountData <PrtctdAcctData>	[0..1]	±		659
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	±		659
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]	±		659
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		660

23.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

23.4.3.3.2 AccountData <AcctData>

Presence: [0..1]

Definition: Unprotected account information.

AccountData <AcctData> contains the following **CardAccount20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		653
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		654
	AccountName <AcctNm>	[0..1]	Text		655
	AccountOwner <AcctOwnr>	[0..1]			655
	Name <Nm>	[1..1]	Text		655
	Address <Adr>	[1..1]	±		655
	Currency <Ccy>	[0..1]	CodeSet	C1	656
	AccountIdentifier <AcctIdr>	[0..1]			656
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	657
Or	BBAN <BBAN>	[1..1]	IdentifierSet		657
Or	UPIC <UPIC>	[1..1]	IdentifierSet		657
Or	DomesticAccount <DmstAcct>	[1..1]			657
	Identification <Id>	[1..1]	Text		657
Or	MSISDN <MSISDN>	[1..1]	Text		658
Or}	Email <Email>	[1..1]	Text		658
	Servicer <Svcr>	[0..1]			658
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	658
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		658

23.4.3.3.2.1 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

23.4.3.3.2.2 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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.

CodeName	Name	Definition
PRPD	PrePaid	Pre-paid account.
FLTC	FleetCard	Fleet card account.

23.4.3.3.2.3 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

23.4.3.3.2.4 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		655
	Address <Adr>	[1..1]	±		655

23.4.3.3.2.4.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

23.4.3.3.2.4.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

23.4.3.3.2.5 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

23.4.3.3.2.6 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	657
Or	BBAN <BBAN>	[1..1]	IdentifierSet		657
Or	UPIC <UPIC>	[1..1]	IdentifierSet		657
Or	DomesticAccount <DmstAcct>	[1..1]			657
	Identification <Id>	[1..1]	Text		657
Or	MSISDN <MSISDN>	[1..1]	Text		658
Or}	Email <Email>	[1..1]	Text		658

23.4.3.3.2.6.1 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 1479

Constraints

- **IBAN**

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

23.4.3.3.2.6.2 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 1479

23.4.3.3.2.6.3 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 1480

23.4.3.3.2.6.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		657

23.4.3.3.2.6.4.1 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 1483

23.4.3.3.2.6.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

23.4.3.3.2.6.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

23.4.3.3.2.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	658
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		658

23.4.3.3.2.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

Constraints

- **AnyBIC**

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

23.4.3.3.2.7.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

23.4.3.3.3 ProtectedAccountData <PrctdAcctData>

Presence: [0..1]

Definition: Encryption of account information.

ProtectedAccountData <PrctdAcctData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

23.4.3.3.4 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Amount to be authorised by the issuer.

TotalRequestedAmount <TtlReqdAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

23.4.3.3.5 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Amounts of the withdrawal transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following elements (see "[DetailedAmount12](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1320
	Currency <Ccy>	[0..1]	CodeSet	C1	1320
	Fees <Fees>	[0..*]	±		1320
	Donation <Dontr>	[0..*]	±		1320

23.4.3.3.6 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

23.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		660
	AuthenticatedData <AuthntcdData>	[1..1]	±		660

23.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

23.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

24 **catp.007.001.03** **ATMInquiryResponseV03**

24.1 **MessageDefinition Functionality**

The ATMInquiryResponse message is sent by an ATM manager or its agent to the ATM to provide the information and the outcome of the verifications requested in the ATMInquiryRequest.

Outline

The ATMInquiryResponseV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMInquiryResponse
Encrypted body of the message.
- C. ATMInquiryResponse
Information related to the response of an ATM inquiry from an ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

24.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMNqryRspn>	[1..1]			
	Header <Hdr>	[1..1]			670
	MessageFunction <MsgFctn>	[1..1]			670
	Function <Fctn>	[1..1]	CodeSet		671
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		672
	HostServiceCode <HstSvcCd>	[0..1]	Text		672
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		672
	ExchangeIdentification <XchgId>	[1..1]	Text		672
	CreationDateTime <CreDtTm>	[1..1]	DateTime		672
	InitiatingParty <InitgPty>	[1..1]	Text		673
	RecipientParty <RcptPty>	[0..1]	Text		673
	ProcessState <PrcStat>	[0..1]	Text		673
	Traceability <Tracblt>	[0..*]			673
	RelayIdentification <RlayId>	[1..1]	±		673
	SequenceNumber <SeqNb>	[0..1]	Text		674
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		674
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		674
	ProtectedATMInquiryResponse <PrtctdATMNqryRspn>	[0..1]	±		674
	ATMInquiryResponse <ATMNqryRspn>	[0..1]			674
	Environment <Envt>	[1..1]			680
	Acquirer <Acqrr>	[0..1]	±		681
	ATMManager <ATMMgr>	[0..1]	±		682
	HostingEntity <HstgNtty>	[0..1]	±		682
	ATM <ATM>	[1..1]	±		682
	Customer <Cstmr>	[1..1]			683
	Profile <Prfl>	[0..1]			684
	ProfileReference <PrflRef>	[0..1]	Text		684
	CustomerIdentification <Cstmrlid>	[0..1]	Text		684
	AuthenticationResult <AuthntcnRslt>	[0..*]			684
	Method <Mtd>	[1..1]	CodeSet		685

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		685
	Result <RsIt>	[0..1]	CodeSet		686
	AdditionalResult <AddtlRsIt>	[0..1]	Text		686
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		686
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	686
	ProtectedCardData <PrtctdCardData>	[0..1]	±		687
	PlainCardData <PlainCardData>	[0..1]			687
	PAN <PAN>	[0..1]	Text		687
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		687
	EffectiveDate <FctvDt>	[0..1]	Text		687
	ExpiryDate <XpryDt>	[0..1]	Text		688
	Track1 <Trck1>	[0..1]	Text		688
	Track2 <Trck2>	[0..1]	Text		688
	Track3 <Trck3>	[0..1]	Text		688
	Context <Cntxt>	[1..1]			688
	SessionReference <SsnRef>	[0..1]	Text		689
	Service <Svc>	[1..1]			689
	ServiceReference <SvcRef>	[0..1]	Text		689
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		689
	HostServiceCode <HstSvcCd>	[0..1]	Text		690
	ServiceType <SvcTp>	[1..1]	CodeSet		690
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		690
	Transaction <Tx>	[1..1]			690
	TransactionIdentification <TxId>	[1..1]	±		695
	TransactionResponse <TxRspn>	[1..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]			697
	Format <Frmt>	[0..1]	CodeSet		697
	Message <Msg>	[0..1]	Text		697
	Reference <Ref>	[0..1]	Text		697

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	CodeSet		698
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		698
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		698
	CustomerServiceProfile <CstmrSvcPrfl>	[0..1]			700
	ProfileReference <PrflRef>	[0..1]	Text		700
	CustomerIdentification <CstmrlId>	[0..1]	Text		701
	ProfileDescription <PrflDesc>	[0..1]	Text		701
	AllowedServices <AllwdSvcs>	[0..*]			701
	ServiceType <SvcTp>	[1..1]	CodeSet		702
	ServiceVariant <SvcVarnt>	[0..*]			703
	Identification <Id>	[1..1]	Text		703
	Label <Lbl>	[0..1]	Text		703
	Limits <Lmts>	[0..*]			704
	Currency <Ccy>	[0..1]	CodeSet	C1	704
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		704
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		704
	AdditionalAmount <AddtlAmt>	[0..*]			704
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705
	Label <Lbl>	[0..1]	Text		705
	PreferredWithdrawal <PrefrdWdrwl>	[0..1]			705
	Amount <Amt>	[0..1]	Amount		706
	Currency <Ccy>	[0..1]	CodeSet	C1	706
	ReceiptFlag <RctFlg>	[0..1]	Indicator		706
	BalancePrintFlag <BalPrtFlg>	[0..1]	Indicator		706
	MixType <MixTp>	[0..1]	Text		707
	Mix <Mix>	[0..*]			707
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707
	CurrencyConversion <CcyConvs>	[0..1]			707

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[1..1]	CodeSet		709
	ResultReason <RsltRsn>	[0..1]	Text		709
	Conversion <Convs>	[0..1]			709
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		711
	TargetCurrency <TrgtCcy>	[1..1]			711
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	711
	NumericCode <NmrcCd>	[0..1]	Text		711
	Decimal <Dcml>	[0..1]	Quantity		711
	Name <Nm>	[0..1]	Text		711
	ResultingAmount <RsltAmt>	[1..1]	Amount		712
	ExchangeRate <XchgRate>	[1..1]	Rate		712
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		712
	QuotationDate <QtnDt>	[0..1]	DateTime		712
	ValidUntil <VldUntil>	[0..1]	DateTime		712
	SourceCurrency <SrcCcy>	[1..1]			712
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	712
	NumericCode <NmrcCd>	[0..1]	Text		713
	Decimal <Dcml>	[0..1]	Quantity		713
	Name <Nm>	[0..1]	Text		713
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		713
	CommissionDetails <ComssnDtls>	[0..*]			713
	Amount <Amt>	[1..1]	Amount		713
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	MarkUpDetails <MrkUpDtls>	[0..*]			714
	Rate <Rate>	[1..1]	Rate		714
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	DeclarationDetails <DclrtnDtls>	[0..1]			714
	Format <Frmt>	[0..1]	CodeSet		714
	MessageContent <MsgCntt>	[1..1]	Text		715
	ReferenceRate <RefRate>	[0..1]			715
	ExchangeRate <XchgRate>	[1..1]	Rate		715

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	PublishDate <PblshDt>	[1..1]	DateTime		715
	AdditionalInformation <AddtlInf>	[0..1]	Text		715
	AccountInformation <AcctInf>	[0..*]			715
	AccountType <AcctTp>	[0..1]	CodeSet		718
	AccountName <AcctNm>	[0..1]	Text		719
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		719
	Currency <Ccy>	[0..1]	CodeSet	C1	719
	AccountIdentifier <AcctIdr>	[0..1]			719
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	720
Or	BBAN <BBAN>	[1..1]	IdentifierSet		720
Or	UPIC <UPIC>	[1..1]	IdentifierSet		720
Or	DomesticAccount <DmstAcct>	[1..1]			720
	Identification <Id>	[1..1]	Text		721
Or	MSISDN <MSISDN>	[1..1]	Text		721
Or}	Email <Email>	[1..1]	Text		721
	CreditReference <CdtRef>	[0..1]	Text		721
	Servicer <Svcr>	[0..1]			721
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	721
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		722
	Balance <Bal>	[0..*]			722
	Amount <Amt>	[1..1]	Amount	C6	722
	Sign <Sgn>	[0..1]	Indicator		723
	Date <Dt>	[0..1]	Date		723
	Label <Lbl>	[0..1]	Text		723
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		723
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		723
	AllowedService <AllwdSvc>	[0..*]			724
	ServiceType <SvcTp>	[1..1]	CodeSet		724
	ServiceVariant <SvcVarnt>	[0..*]			725
	Identification <Id>	[1..1]	Text		725
	Label <Lbl>	[0..1]	Text		725

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Limits <Lmts>	[0..*]			725
	Currency <Ccy>	[0..1]	CodeSet	C1	726
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		726
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		726
	AdditionalAmount <AddtlAmt>	[0..*]			726
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Lbl>	[0..1]	Text		727
	AccountStatementData <AcctStmntData>	[0..*]	±		727
	CurrencyExchange <CcyXchg>	[0..1]	±		728
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		729
	Command <Cmd>	[0..*]			729
	Type <Tp>	[1..1]	CodeSet		729
	Urgency <Urgcy>	[1..1]	CodeSet		729
	DateTime <DtTm>	[0..1]	DateTime		730
	CommandIdentification <Cmdld>	[0..1]	±		730
	CommandParameters <CmdParams>	[0..1]	±		730
	AuthorisationResult <AuthstnRslt>	[0..1]			731
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		731
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		732
	ResponseTrace <RspnTrac>	[0..*]			732
	ResponderIdentification <Rspndrld>	[1..1]	Text		732
	Codification <Cdfctn>	[0..1]	Text		733
	Response <Rspn>	[1..1]	Text		733
	ResponseReason <RspnRsn>	[0..1]	Text		733
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		733
	AuthorisationCode <AuthstnCd>	[0..1]	Text		733
	Action <Actn>	[0..*]			733
	ActionType <ActnTp>	[1..1]	CodeSet		734
	MessageToPresent <MsgToPres>	[0..1]			734

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		734
	Message <Msg>	[0..1]	Text		735
	Reference <Ref>	[0..1]	Text		735
	Device <Dvc>	[0..1]	CodeSet		735
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		735
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		735
	FeeToAdd <FeeToAdd>	[0..*]			737
	Amount <Amt>	[1..1]	Amount		737
	Currency <Ccy>	[0..1]	CodeSet	C1	737
	FeeLabel <FeeLabl>	[0..1]	Text		738
	SecurityTrailer <SctyTrlr>	[0..1]			738
	ContentType <CnttTp>	[1..1]	CodeSet		738
	AuthenticatedData <AuthntcdData>	[1..1]	±		738

24.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

C6 ValidationByTable

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

24.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

24.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			670
	Function <Fctn>	[1..1]	CodeSet		671
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		672
	HostServiceCode <HstSvcCd>	[0..1]	Text		672
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		672
	ExchangeIdentification <XchgId>	[1..1]	Text		672
	CreationDateTime <CreDtTm>	[1..1]	DateTime		672
	InitiatingParty <InitgPty>	[1..1]	Text		673
	RecipientParty <RcptPty>	[0..1]	Text		673
	ProcessState <PrcStat>	[0..1]	Text		673
	Traceability <Tracblt>	[0..*]			673
	RelayIdentification <RlayId>	[1..1]	±		673
	SequenceNumber <SeqNb>	[0..1]	Text		674
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		674
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		674

24.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		671
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		672
	HostServiceCode <HstSvcCd>	[0..1]	Text		672

24.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.

CodeName	Name	Definition
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

24.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

24.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

24.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

24.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

24.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

24.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

24.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

24.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

24.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		673
	SequenceNumber <SeqNb>	[0..1]	Text		674
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		674
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		674

24.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

24.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

24.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

24.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

24.4.2 ProtectedATMInquiryResponse <PrtctdATMNqryRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMInquiryResponse <PrtctdATMNqryRspn> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

24.4.3 ATMInquiryResponse <ATMNqryRspn>

Presence: [0..1]

Definition: Information related to the response of an ATM inquiry from an ATM manager.

ATMInquiryResponse <ATMNqryRspn> contains the following **ATMInquiryResponse3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			680
	Acquirer <Acqrr>	[0..1]	±		681
	ATMManager <ATMMgr>	[0..1]	±		682
	HostingEntity <HstgNtty>	[0..1]	±		682
	ATM <ATM>	[1..1]	±		682
	Customer <Cstmr>	[1..1]			683
	Profile <Prfl>	[0..1]			684
	ProfileReference <PrflRef>	[0..1]	Text		684
	CustomerIdentification <Cstmrlid>	[0..1]	Text		684
	AuthenticationResult <AuthntcnRslt>	[0..*]			684
	Method <Mtd>	[1..1]	CodeSet		685
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		685
	Result <Rslt>	[0..1]	CodeSet		686
	AdditionalResult <AddtlRslt>	[0..1]	Text		686
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		686
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	686
	ProtectedCardData <PrtctdCardData>	[0..1]	±		687
	PlainCardData <PlainCardData>	[0..1]			687
	PAN <PAN>	[0..1]	Text		687
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		687
	EffectiveDate <FctvDt>	[0..1]	Text		687
	ExpiryDate <XpryDt>	[0..1]	Text		688
	Track1 <Trck1>	[0..1]	Text		688
	Track2 <Trck2>	[0..1]	Text		688
	Track3 <Trck3>	[0..1]	Text		688
	Context <Cntxt>	[1..1]			688
	SessionReference <SsnRef>	[0..1]	Text		689
	Service <Svc>	[1..1]			689
	ServiceReference <SvcRef>	[0..1]	Text		689
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		689
	HostServiceCode <HstSvcCd>	[0..1]	Text		690

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		690
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		690
	Transaction <Tx>	[1..1]			690
	TransactionIdentification <TxId>	[1..1]	±		695
	TransactionResponse <TxRspn>	[1..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]			697
	Format <Frmt>	[0..1]	CodeSet		697
	Message <Msg>	[0..1]	Text		697
	Reference <Ref>	[0..1]	Text		697
	Device <Dvc>	[0..1]	CodeSet		698
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		698
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		698
	CustomerServiceProfile <CstmrSvcPrfl>	[0..1]			700
	ProfileReference <PrflRef>	[0..1]	Text		700
	CustomerIdentification <CstmrlId>	[0..1]	Text		701
	ProfileDescription <PrflDesc>	[0..1]	Text		701
	AllowedServices <AllwdSvcs>	[0..*]			701
	ServiceType <SvcTp>	[1..1]	CodeSet		702
	ServiceVariant <SvcVarnt>	[0..*]			703
	Identification <Id>	[1..1]	Text		703
	Label <Lbl>	[0..1]	Text		703
	Limits <Lmts>	[0..*]			704
	Currency <Ccy>	[0..1]	CodeSet	C1	704
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		704
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		704
	AdditionalAmount <AddtlAmt>	[0..*]			704
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Label <Lbl>	[0..1]	Text		705
	PreferredWithdrawal <PrefrdWdrwl>	[0..1]			705
	Amount <Amt>	[0..1]	Amount		706
	Currency <Ccy>	[0..1]	CodeSet	C1	706
	ReceiptFlag <RctFlg>	[0..1]	Indicator		706
	BalancePrintFlag <BalPrtFlg>	[0..1]	Indicator		706
	MixType <MixTp>	[0..1]	Text		707
	Mix <Mix>	[0..*]			707
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707
	CurrencyConversion <CcyConvs>	[0..1]			707
	Result <Rslt>	[1..1]	CodeSet		709
	ResultReason <RsltRsn>	[0..1]	Text		709
	Conversion <Convs>	[0..1]			709
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		711
	TargetCurrency <TrgtCcy>	[1..1]			711
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	711
	NumericCode <NmrcCd>	[0..1]	Text		711
	Decimal <Dcml>	[0..1]	Quantity		711
	Name <Nm>	[0..1]	Text		711
	ResultingAmount <RsltAmt>	[1..1]	Amount		712
	ExchangeRate <XchgRate>	[1..1]	Rate		712
	InvertedExchangeRate <NvrtdXchgRate>	[0..1]	Rate		712
	QuotationDate <QtnDt>	[0..1]	DateTime		712
	ValidUntil <VldUntil>	[0..1]	DateTime		712
	SourceCurrency <SrcCcy>	[1..1]			712
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	712
	NumericCode <NmrcCd>	[0..1]	Text		713
	Decimal <Dcml>	[0..1]	Quantity		713
	Name <Nm>	[0..1]	Text		713
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		713

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CommissionDetails <ComssnDtls>	[0..*]			713
	Amount <Amt>	[1..1]	Amount		713
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	MarkUpDetails <MrkUpDtls>	[0..*]			714
	Rate <Rate>	[1..1]	Rate		714
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	DeclarationDetails <DclrtnDtls>	[0..1]			714
	Format <Frmt>	[0..1]	CodeSet		714
	MessageContent <MsgCntt>	[1..1]	Text		715
	ReferenceRate <RefRate>	[0..1]			715
	ExchangeRate <XchgRate>	[1..1]	Rate		715
	PublishDate <PblshDt>	[1..1]	DateTime		715
	AdditionalInformation <AddtlInf>	[0..1]	Text		715
	AccountInformation <AcctInf>	[0..*]			715
	AccountType <AcctTp>	[0..1]	CodeSet		718
	AccountName <AcctNm>	[0..1]	Text		719
	AccountUsageCode <AcctUsCd>	[0..1]	CodeSet		719
	Currency <Ccy>	[0..1]	CodeSet	C1	719
	AccountIdentifier <AcctIdr>	[0..1]			719
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	720
Or	BBAN <BBAN>	[1..1]	IdentifierSet		720
Or	UPIC <UPIC>	[1..1]	IdentifierSet		720
Or	DomesticAccount <DmstAcct>	[1..1]			720
	Identification <Id>	[1..1]	Text		721
Or	MSISDN <MSISDN>	[1..1]	Text		721
Or}	Email <Email>	[1..1]	Text		721
	CreditReference <CdtRef>	[0..1]	Text		721
	Servicer <Svcr>	[0..1]			721
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	721
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		722
	Balance <Bal>	[0..*]			722

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	722
	Sign <Sgn>	[0..1]	Indicator		723
	Date <Dt>	[0..1]	Date		723
	Label <Lbl>	[0..1]	Text		723
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		723
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		723
	AllowedService <AllwdSvc>	[0..*]			724
	ServiceType <SvcTp>	[1..1]	CodeSet		724
	ServiceVariant <SvcVarnt>	[0..*]			725
	Identification <Id>	[1..1]	Text		725
	Label <Lbl>	[0..1]	Text		725
	Limits <Lmts>	[0..*]			725
	Currency <Ccy>	[0..1]	CodeSet	C1	726
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		726
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		726
	AdditionalAmount <AddtlAmt>	[0..*]			726
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Lbl>	[0..1]	Text		727
	AccountStatementData <AcctStmntData>	[0..*]	±		727
	CurrencyExchange <CcyXchg>	[0..1]	±		728
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		729
	Command <Cmd>	[0..*]			729
	Type <Tp>	[1..1]	CodeSet		729
	Urgency <Urgcy>	[1..1]	CodeSet		729
	DateTime <DtTm>	[0..1]	DateTime		730
	CommandIdentification <CmdId>	[0..1]	±		730
	CommandParameters <CmdParams>	[0..1]	±		730
	AuthorisationResult <AuthstnRslt>	[0..1]			731
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		731

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		732
	ResponseTrace <RspnTrac>	[0..*]			732
	ResponderIdentification <RspndrId>	[1..1]	Text		732
	Codification <Cdfctn>	[0..1]	Text		733
	Response <Rspn>	[1..1]	Text		733
	ResponseReason <RspnRsn>	[0..1]	Text		733
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		733
	AuthorisationCode <AuthstnCd>	[0..1]	Text		733
	Action <Actn>	[0..*]			733
	ActionType <ActnTp>	[1..1]	CodeSet		734
	MessageToPresent <MsgToPres>	[0..1]			734
	Format <Frmt>	[0..1]	CodeSet		734
	Message <Msg>	[0..1]	Text		735
	Reference <Ref>	[0..1]	Text		735
	Device <Dvc>	[0..1]	CodeSet		735
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		735
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		735
	FeeToAdd <FeeToAdd>	[0..*]			737
	Amount <Amt>	[1..1]	Amount		737
	Currency <Ccy>	[0..1]	CodeSet	C1	737
	FeeLabel <FeeLbl>	[0..1]	Text		738

24.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Env> contains the following **ATMEnvironment21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		681
	ATMManager <ATMMgr>	[0..1]	±		682
	HostingEntity <HstgNtty>	[0..1]	±		682
	ATM <ATM>	[1..1]	±		682
	Customer <Cstmr>	[1..1]			683
	Profile <Prfl>	[0..1]			684
	ProfileReference <PrflRef>	[0..1]	Text		684
	CustomerIdentification <CstmrlId>	[0..1]	Text		684
	AuthenticationResult <AuthntcnRslt>	[0..*]			684
	Method <Mtd>	[1..1]	CodeSet		685
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		685
	Result <Rslt>	[0..1]	CodeSet		686
	AdditionalResult <AddtlRslt>	[0..1]	Text		686
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		686
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	686
	ProtectedCardData <PrctcdCardData>	[0..1]	±		687
	PlainCardData <PlainCardData>	[0..1]			687
	PAN <PAN>	[0..1]	Text		687
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		687
	EffectiveDate <FctvDt>	[0..1]	Text		687
	ExpiryDate <XpryDt>	[0..1]	Text		688
	Track1 <Trck1>	[0..1]	Text		688
	Track2 <Trck2>	[0..1]	Text		688
	Track3 <Trck3>	[0..1]	Text		688

24.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

24.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "Acquirer8" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

24.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

24.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine2" on page 1354 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1355
	AdditionalIdentification <AddtlId>	[0..1]	Text		1355
	SequenceNumber <SeqNb>	[0..1]	Text		1355
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1356
	Location <Lctn>	[0..1]			1356
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

24.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			684
	ProfileReference <PrflRef>	[0..1]	Text		684
	CustomerIdentification <CstmrlId>	[0..1]	Text		684
	AuthenticationResult <AuthntcnRslt>	[0..*]			684
	Method <Mtd>	[1..1]	CodeSet		685
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		685
	Result <Rslt>	[0..1]	CodeSet		686
	AdditionalResult <AddtlRslt>	[0..1]	Text		686
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		686
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	686

24.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		684
	CustomerIdentification <CstmrlId>	[0..1]	Text		684

24.4.3.1.5.1.1 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

24.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

24.4.3.1.5.2 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		685
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		685
	Result <Rslt>	[0..1]	CodeSet		686
	AdditionalResult <AddtlRslt>	[0..1]	Text		686
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		686

24.4.3.1.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

24.4.3.1.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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).

CodeName	Name	Definition
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

24.4.3.1.5.2.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

24.4.3.1.5.2.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

24.4.3.1.5.2.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

24.4.3.1.5.3 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

24.4.3.1.6 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Encryption of the sensitive card data.

ProtectedCardData <PrtctdCardData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

24.4.3.1.7 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		687
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		687
	EffectiveDate <FctvDt>	[0..1]	Text		687
	ExpiryDate <XpryDt>	[0..1]	Text		688
	Track1 <Trck1>	[0..1]	Text		688
	Track2 <Trck2>	[0..1]	Text		688
	Track3 <Trck3>	[0..1]	Text		688

24.4.3.1.7.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "[Min8Max28NumericText](#)" on page 1486

24.4.3.1.7.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "[Min2Max3NumericText](#)" on page 1485

24.4.3.1.7.3 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 1482

24.4.3.1.7.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

24.4.3.1.7.5 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 1485

24.4.3.1.7.6 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 1483

24.4.3.1.7.7 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 1481

24.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the inquiry is performed.

Context <Cntxt> contains the following **ATMContext27** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		689
	Service <Svc>	[1..1]			689
	ServiceReference <SvcRef>	[0..1]	Text		689
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		689
	HostServiceCode <HstSvcCd>	[0..1]	Text		690
	ServiceType <SvcTp>	[1..1]	CodeSet		690
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		690

24.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

24.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService26** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		689
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		689
	HostServiceCode <HstSvcCd>	[0..1]	Text		690
	ServiceType <SvcTp>	[1..1]	CodeSet		690
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		690

24.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

24.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

24.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

24.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of withdrawal selected by the customer.

Datatype: "ATMServiceType12Code" on page 1449

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
CDVF	CardVerification	Verification of the card.
DCCS	DynamicCurrencyConversion	Ask to a DCC service provider to qualify the currency conversion for the card.
XRTD	ExchangeRateDeposit	Ask for exchange rate for the ongoing deposit transaction.
XRTW	ExchangeRateWithdrawal	Ask for exchange rate for the ongoing withdrawal transaction.
EMVS	SelectEMVApplication	Select the EMV applications allowed by the acquirer.
CMPF	CustomerProfile	Ask for customer profile with eventually related account information.
BLCQ	BalanceInquiry	Balance inquiry.
ACCD	AccountDownload	Download accounts associated to the customer card.
MINI	MiniStatement	Request a mini-statement (i.e. partial statement) related to a customer account.

24.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

24.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Inquiry information for the transaction.

Transaction <Tx> contains the following **ATMTransaction48** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		695
	TransactionResponse <TxRspn>	[1..1]	±		695
	Action <Actn>	[0..*]			696
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]			697
	Format <Frmt>	[0..1]	CodeSet		697
	Message <Msg>	[0..1]	Text		697
	Reference <Ref>	[0..1]	Text		697
	Device <Dvc>	[0..1]	CodeSet		698
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		698
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		698
	CustomerServiceProfile <CstmrSvcPrfl>	[0..1]			700
	ProfileReference <PrflRef>	[0..1]	Text		700
	CustomerIdentification <CstmrlId>	[0..1]	Text		701
	ProfileDescription <PrflDesc>	[0..1]	Text		701
	AllowedServices <AllwdSvcs>	[0..*]			701
	ServiceType <SvcTp>	[1..1]	CodeSet		702
	ServiceVariant <SvcVarnt>	[0..*]			703
	Identification <Id>	[1..1]	Text		703
	Label <Lbl>	[0..1]	Text		703
	Limits <Lmts>	[0..*]			704
	Currency <Ccy>	[0..1]	CodeSet	C1	704
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		704
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		704
	AdditionalAmount <AddtlAmt>	[0..*]			704
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705
	Label <Lbl>	[0..1]	Text		705
	PreferredWithdrawal <PrefrdWdrwl>	[0..1]			705
	Amount <Amt>	[0..1]	Amount		706

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	706
	ReceiptFlag <RctFlg>	[0..1]	Indicator		706
	BalancePrintFlag <BalPrtFlg>	[0..1]	Indicator		706
	MixType <MixTp>	[0..1]	Text		707
	Mix <Mix>	[0..*]			707
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707
	CurrencyConversion <CcyConvs>	[0..1]			707
	Result <Rslt>	[1..1]	CodeSet		709
	ResultReason <RsltRsn>	[0..1]	Text		709
	Conversion <Convs>	[0..1]			709
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		711
	TargetCurrency <TrgtCcy>	[1..1]			711
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	711
	NumericCode <NmrcCd>	[0..1]	Text		711
	Decimal <Dcml>	[0..1]	Quantity		711
	Name <Nm>	[0..1]	Text		711
	ResultingAmount <RsltAmt>	[1..1]	Amount		712
	ExchangeRate <XchgRate>	[1..1]	Rate		712
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		712
	QuotationDate <QtnDt>	[0..1]	DateTime		712
	ValidUntil <VldUntil>	[0..1]	DateTime		712
	SourceCurrency <SrcCcy>	[1..1]			712
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	712
	NumericCode <NmrcCd>	[0..1]	Text		713
	Decimal <Dcml>	[0..1]	Quantity		713
	Name <Nm>	[0..1]	Text		713
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		713
	CommissionDetails <ComssnDtls>	[0..*]			713
	Amount <Amt>	[1..1]	Amount		713
	AdditionalInformation <AddtlInf>	[0..1]	Text		714

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MarkUpDetails <MrkUpDtls>	[0..*]			714
	Rate <Rate>	[1..1]	Rate		714
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	DeclarationDetails <DclrtnDtls>	[0..1]			714
	Format <Frmt>	[0..1]	CodeSet		714
	MessageContent <MsgCntt>	[1..1]	Text		715
	ReferenceRate <RefRate>	[0..1]			715
	ExchangeRate <XchgRate>	[1..1]	Rate		715
	PublishDate <PblshDt>	[1..1]	DateTime		715
	AdditionalInformation <AddtlInf>	[0..1]	Text		715
	AccountInformation <AcctInf>	[0..*]			715
	AccountType <AcctTp>	[0..1]	CodeSet		718
	AccountName <AcctNm>	[0..1]	Text		719
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		719
	Currency <Ccy>	[0..1]	CodeSet	C1	719
	AccountIdentifier <AcctIdr>	[0..1]			719
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	720
Or	BBAN <BBAN>	[1..1]	IdentifierSet		720
Or	UPIC <UPIC>	[1..1]	IdentifierSet		720
Or	DomesticAccount <DmstAcct>	[1..1]			720
	Identification <Id>	[1..1]	Text		721
Or	MSISDN <MSISDN>	[1..1]	Text		721
Or}	Email <Email>	[1..1]	Text		721
	CreditReference <CdtRef>	[0..1]	Text		721
	Servicer <Svcr>	[0..1]			721
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	721
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		722
	Balance <Bal>	[0..*]			722
	Amount <Amt>	[1..1]	Amount	C6	722
	Sign <Sgn>	[0..1]	Indicator		723
	Date <Dt>	[0..1]	Date		723

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Label <Lbl>	[0..1]	Text		723
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		723
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		723
	AllowedService <AllwdSvc>	[0..*]			724
	ServiceType <SvcTp>	[1..1]	CodeSet		724
	ServiceVariant <SvcVarnt>	[0..*]			725
	Identification <Id>	[1..1]	Text		725
	Label <Lbl>	[0..1]	Text		725
	Limits <Lmts>	[0..*]			725
	Currency <Ccy>	[0..1]	CodeSet	C1	726
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		726
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		726
	AdditionalAmount <AddtlAmt>	[0..*]			726
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Lbl>	[0..1]	Text		727
	AccountStatementData <AcctStmntData>	[0..*]	±		727
	CurrencyExchange <CcyXchg>	[0..1]	±		728
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		729
	Command <Cmd>	[0..*]			729
	Type <Tp>	[1..1]	CodeSet		729
	Urgency <Urgcy>	[1..1]	CodeSet		729
	DateTime <DtTm>	[0..1]	DateTime		730
	CommandIdentification <CmdId>	[0..1]	±		730
	CommandParameters <CmdParams>	[0..1]	±		730
	AuthorisationResult <AuthstnRslt>	[0..1]			731
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		731
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		732
	ResponseTrace <RspnTrac>	[0..*]			732
	ResponderIdentification <RspndrId>	[1..1]	Text		732

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Codification <Cdfctn>	[0..1]	Text		733
	Response <Rspn>	[1..1]	Text		733
	ResponseReason <RspnRsn>	[0..1]	Text		733
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		733
	AuthorisationCode <AuthstnCd>	[0..1]	Text		733
	Action <Actn>	[0..*]			733
	ActionType <ActnTp>	[1..1]	CodeSet		734
	MessageToPresent <MsgToPres>	[0..1]			734
	Format <Frmt>	[0..1]	CodeSet		734
	Message <Msg>	[0..1]	Text		735
	Reference <Ref>	[0..1]	Text		735
	Device <Dvc>	[0..1]	CodeSet		735
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		735
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		735
	FeeToAdd <FeeToAdd>	[0..*]			737
	Amount <Amt>	[1..1]	Amount		737
	Currency <Ccy>	[0..1]	CodeSet	C1	737
	FeeLabel <FeeLbl>	[0..1]	Text		738

24.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "[TransactionIdentifier3](#)" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

24.4.3.3.2 TransactionResponse <TxRspn>

Presence: [1..1]

Definition: Result of the inquiry service.

TransactionResponse <TxRspn> contains the following elements (see "ResponseType12" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

24.4.3.3.3 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		696
	MessageToPresent <MsgToPres>	[0..1]			697
	Format <Frmt>	[0..1]	CodeSet		697
	Message <Msg>	[0..1]	Text		697
	Reference <Ref>	[0..1]	Text		697
	Device <Dvc>	[0..1]	CodeSet		698
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		698
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		698

24.4.3.3.3.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.

CodeName	Name	Definition
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

24.4.3.3.3.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		697
	Message <Msg>	[0..1]	Text		697
	Reference <Ref>	[0..1]	Text		697
	Device <Dvc>	[0..1]	CodeSet		698
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		698

24.4.3.3.3.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
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.

24.4.3.3.3.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

24.4.3.3.3.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

24.4.3.3.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

24.4.3.3.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

24.4.3.3.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.

CodeName	Name	Definition
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

24.4.3.3.4 CustomerServiceProfile <CstmrSvcPrfl>

Presence: [0..1]

Definition: Profile of the customer with the allowed services and restrictions.

CustomerServiceProfile <CstmrSvcPrfl> contains the following **ATMCustomerProfile7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		700
	CustomerIdentification <Cstmrlid>	[0..1]	Text		701
	ProfileDescription <PrflDesc>	[0..1]	Text		701
	AllowedServices <AllwdSvcs>	[0..*]			701
	ServiceType <SvcTp>	[1..1]	CodeSet		702
	ServiceVariant <SvcVarnt>	[0..*]			703
	Identification <Id>	[1..1]	Text		703
	Label <Lbl>	[0..1]	Text		703
	Limits <Lmts>	[0..*]			704
	Currency <Ccy>	[0..1]	CodeSet	C1	704
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		704
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		704
	AdditionalAmount <AddtlAmt>	[0..*]			704
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705
	Label <Lbl>	[0..1]	Text		705
	PreferredWithdrawal <PrefrdWdrwl>	[0..1]			705
	Amount <Amt>	[0..1]	Amount		706
	Currency <Ccy>	[0..1]	CodeSet	C1	706
	ReceiptFlag <RctFlg>	[0..1]	Indicator		706
	BalancePrintFlag <BalPrtFlg>	[0..1]	Indicator		706
	MixType <MixTp>	[0..1]	Text		707
	Mix <Mix>	[0..*]			707
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707

24.4.3.3.4.1 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

24.4.3.3.4.2 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

24.4.3.3.4.3 ProfileDescription <PrflDesc>

Presence: [0..1]

Definition: Description of the customer's profile in plaintext.

Datatype: "Max70Text" on page 1485

24.4.3.3.4.4 AllowedServices <AllwdSvcs>

Presence: [0..*]

Definition: Services allowed for the customer's profile.

AllowedServices <AllwdSvcs> contains the following **ATMService28** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		702
	ServiceVariant <SvcVarnt>	[0..*]			703
	Identification <Id>	[1..1]	Text		703
	Label <Labl>	[0..1]	Text		703
	Limits <Lmts>	[0..*]			704
	Currency <Ccy>	[0..1]	CodeSet	C1	704
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		704
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		704
	AdditionalAmount <AddtlAmt>	[0..*]			704
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705
	Label <Labl>	[0..1]	Text		705
	PreferredWithdrawal <PrefrdWdrwl>	[0..1]			705
	Amount <Amt>	[0..1]	Amount		706
	Currency <Ccy>	[0..1]	CodeSet	C1	706
	ReceiptFlag <RctFlg>	[0..1]	Indicator		706
	BalancePrintFlag <BalPrtFlg>	[0..1]	Indicator		706
	MixType <MixTp>	[0..1]	Text		707
	Mix <Mix>	[0..*]			707
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707

24.4.3.3.4.4.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType13Code" on page 1450

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
PINC	PINChange	Modification of the card PIN value.

CodeName	Name	Definition
STDR	StandardWithdrawal	Standard withdrawal of items.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
TRFP	Payment	Funds transfer to pay a third party.

24.4.3.3.4.4.2 ServiceVariant <SvcVarnt>

Presence: [0..*]

Definition: Variant of the service.

ServiceVariant <SvcVarnt> contains the following **ATMService18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		703
	Label <Labl>	[0..1]	Text		703

24.4.3.3.4.4.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the service variant.

Datatype: "Max35Text" on page 1483

24.4.3.3.4.4.2.2 Label <Labl>

Presence: [0..1]

Definition: Label of the service variant.

Datatype: "Max35Text" on page 1483

24.4.3.3.4.4.3 Limits <Lmts>

Presence: [0..*]

Definition: Limits of amounts.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	704
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		704
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		704
	AdditionalAmount <AddtlAmt>	[0..*]			704
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705
	Label <Lbl>	[0..1]	Text		705

24.4.3.3.4.4.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.4.4.3.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.4.4.3.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.4.4.3.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		705
	Amount <Amt>	[1..1]	Amount		705
	Currency <Ccy>	[0..1]	CodeSet	C1	705
	Label <Lbl>	[0..1]	Text		705

24.4.3.3.4.4.3.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

24.4.3.3.4.4.3.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.4.4.3.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.4.4.3.4.4 Label <Lbl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

24.4.3.3.4.4.4 PreferredWithdrawal <PrefrdWdrwl>

Presence: [0..1]

Definition: Preferred withdrawal transaction chosen by the customer.

PreferredWithdrawal <PrefrdWdrwl> contains the following **ATMTransaction8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[0..1]	Amount		706
	Currency <Ccy>	[0..1]	CodeSet	C1	706
	ReceiptFlag <RctFlg>	[0..1]	Indicator		706
	BalancePrintFlag <BalPrtFlg>	[0..1]	Indicator		706
	MixType <MixTp>	[0..1]	Text		707
	Mix <Mix>	[0..*]			707
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707

24.4.3.3.4.4.4.1 Amount <Amt>

Presence: [0..1]

Definition: Amount to dispense.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.4.4.4.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.4.4.4.3 ReceiptFlag <RctFlg>

Presence: [0..1]

Definition: True if a receipt has to be printed by the ATM for the customer.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

24.4.3.3.4.4.4.4 BalancePrintFlag <BalPrtFlg>

Presence: [0..1]

Definition: True if a balance has to be printed by the ATM on the customer receipt.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

24.4.3.3.4.4.4.5 MixType <MixTp>

Presence: [0..1]

Definition: Media mix algorithm, the identification of the algorithm is an agreement between the ATM and the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

24.4.3.3.4.4.4.6 Mix <Mix>

Presence: [0..*]

Definition: Media mix to select.

Mix <Mix> contains the following **ATMMediaMix2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Number <Nb>	[1..1]	Quantity		707
	UnitValue <UnitVal>	[1..1]	Amount		707

24.4.3.3.4.4.4.6.1 Number <Nb>

Presence: [1..1]

Definition: Number of notes or coins.

Datatype: ["Number"](#) on page 1480

24.4.3.3.4.4.4.6.2 UnitValue <UnitVal>

Presence: [1..1]

Definition: Unit value.

Datatype: ["ImpliedCurrencyAndAmount"](#) on page 1431

24.4.3.3.5 CurrencyConversion <CcyConvs>

Presence: [0..1]

Definition: Dynamic currency conversion result.

CurrencyConversion <CcyConvs> contains the following **CurrencyConversion33** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Result <Rslt>	[1..1]	CodeSet		709
	ResultReason <RsltRsn>	[0..1]	Text		709
	Conversion <Convs>	[0..1]			709
	CurrencyConversionIdentification <CcyConvsId>	[0..1]	Text		711
	TargetCurrency <TrgtCcy>	[1..1]			711
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	711
	NumericCode <NmrcCd>	[0..1]	Text		711
	Decimal <Dcml>	[0..1]	Quantity		711
	Name <Nm>	[0..1]	Text		711
	ResultingAmount <RsltAmt>	[1..1]	Amount		712
	ExchangeRate <XchgRate>	[1..1]	Rate		712
	InvertedExchangeRate <NvrtXchgRate>	[0..1]	Rate		712
	QuotationDate <QtnDt>	[0..1]	DateTime		712
	ValidUntil <VldUntil>	[0..1]	DateTime		712
	SourceCurrency <SrcCcy>	[1..1]			712
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	712
	NumericCode <NmrcCd>	[0..1]	Text		713
	Decimal <Dcml>	[0..1]	Quantity		713
	Name <Nm>	[0..1]	Text		713
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		713
	CommissionDetails <ComssnDtls>	[0..*]			713
	Amount <Amt>	[1..1]	Amount		713
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	MarkUpDetails <MrkUpDtls>	[0..*]			714
	Rate <Rate>	[1..1]	Rate		714
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	DeclarationDetails <DclrtDtls>	[0..1]			714
	Format <Frmt>	[0..1]	CodeSet		714
	MessageContent <MsgCntt>	[1..1]	Text		715
	ReferenceRate <RefRate>	[0..1]			715
	ExchangeRate <XchgRate>	[1..1]	Rate		715

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PublishDate <PblshDt>	[1..1]	DateTime		715
	AdditionalInformation <AddtlInf>	[0..1]	Text		715

24.4.3.3.5.1 Result <Rslt>

Presence: [1..1]

Definition: Result of a requested currency conversion.

Datatype: "CurrencyConversionResponse2Code" on page 1460

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
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.
IAMG	InvalidATMManager	The ATM manager is not valid for dynamic currency conversion.
IATM	InvalidATM	The ATM is not valid for dynamic currency conversion.

24.4.3.3.5.2 ResultReason <RsltRsn>

Presence: [0..1]

Definition: Plain text explaining the result of the currency conversion request.

Datatype: "Max35Text" on page 1483

24.4.3.3.5.3 Conversion <Conv>

Presence: [0..1]

Definition: Information about the conversion of currency.

Conversion <Convs> contains the following **CurrencyConversion32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CurrencyConversionIdentification <CcyConvslId>	[0..1]	Text		711
	TargetCurrency <TrgtCcy>	[1..1]			711
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	711
	NumericCode <NmrcCd>	[0..1]	Text		711
	Decimal <Dcml>	[0..1]	Quantity		711
	Name <Nm>	[0..1]	Text		711
	ResultingAmount <RsltgAmt>	[1..1]	Amount		712
	ExchangeRate <XchgRate>	[1..1]	Rate		712
	InvertedExchangeRate <NvrtedXchgRate>	[0..1]	Rate		712
	QuotationDate <QtnDt>	[0..1]	DateTime		712
	ValidUntil <VldUntil>	[0..1]	DateTime		712
	SourceCurrency <SrcCcy>	[1..1]			712
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	712
	NumericCode <NmrcCd>	[0..1]	Text		713
	Decimal <Dcml>	[0..1]	Quantity		713
	Name <Nm>	[0..1]	Text		713
	OriginalAmount <OrgnlAmt>	[1..1]	Amount		713
	CommissionDetails <ComssnDtls>	[0..*]			713
	Amount <Amt>	[1..1]	Amount		713
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	MarkUpDetails <MrkUpDtls>	[0..*]			714
	Rate <Rate>	[1..1]	Rate		714
	AdditionalInformation <AddtlInf>	[0..1]	Text		714
	DeclarationDetails <DclrtnDtls>	[0..1]			714
	Format <Frmt>	[0..1]	CodeSet		714
	MessageContent <MsgCntt>	[1..1]	Text		715
	ReferenceRate <RefRate>	[0..1]			715
	ExchangeRate <XchgRate>	[1..1]	Rate		715
	PublishDate <PblshDt>	[1..1]	DateTime		715
	AdditionalInformation <AddtlInf>	[0..1]	Text		715

24.4.3.3.5.3.1 CurrencyConversionIdentification <CcyConvslId>

Presence: [0..1]

Definition: Identification of the currency conversion operation.

Datatype: "Max35Text" on page 1483

24.4.3.3.5.3.2 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

TargetCurrency <TrgtCcy> contains the following **CurrencyDetails2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	711
	NumericCode <NmrcCd>	[0..1]	Text		711
	Decimal <Dcml>	[0..1]	Quantity		711
	Name <Nm>	[0..1]	Text		711

24.4.3.3.5.3.2.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.5.3.2.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

24.4.3.3.5.3.2.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

24.4.3.3.5.3.2.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

24.4.3.3.5.3.3 ResultingAmount <RsltgAmt>

Presence: [1..1]

Definition: Amount converted in the target currency, including commission and mark-up.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.5.3.4 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 1481

24.4.3.3.5.3.5 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 1481

24.4.3.3.5.3.6 QuotationDate <QtnDt>

Presence: [0..1]

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

Datatype: "ISODateTime" on page 1478

24.4.3.3.5.3.7 ValidUntil <VldUntil>

Presence: [0..1]

Definition: Validity limit of the exchange rate.

Datatype: "ISODateTime" on page 1478

24.4.3.3.5.3.8 SourceCurrency <SrcCcy>

Presence: [1..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AlphaCode <AlphaCd>	[0..1]	CodeSet	C1	712
	NumericCode <NmrcCd>	[0..1]	Text		713
	Decimal <Dcml>	[0..1]	Quantity		713
	Name <Nm>	[0..1]	Text		713

24.4.3.3.5.3.8.1 AlphaCode <AlphaCd>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.5.3.8.2 NumericCode <NmrcCd>

Presence: [0..1]

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

Datatype: "Exact3NumericText" on page 1481

24.4.3.3.5.3.8.3 Decimal <Dcml>

Presence: [0..1]

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

Datatype: "Number" on page 1480

24.4.3.3.5.3.8.4 Name <Nm>

Presence: [0..1]

Definition: Full name of the currency.

Datatype: "Max35Text" on page 1483

24.4.3.3.5.3.9 OriginalAmount <OrgnlAmt>

Presence: [1..1]

Definition: Original amount in the source currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.5.3.10 CommissionDetails <ComssnDtls>

Presence: [0..*]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		713
	AdditionalInformation <AddtlInf>	[0..1]	Text		714

24.4.3.3.5.3.10.1 Amount <Amt>

Presence: [1..1]

Definition: Commission expressed as an amount of money.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.5.3.10.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of commission.

Datatype: "Max350Text" on page 1483

24.4.3.3.5.3.11 MarkupDetails <MrkUpDtls>

Presence: [0..*]

Definition: Mark-up 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		714
	AdditionalInformation <AddtlInf>	[0..1]	Text		714

24.4.3.3.5.3.11.1 Rate <Rate>

Presence: [1..1]

Definition: Commission expressed as a percentage.

Datatype: "PercentageRate" on page 1481

24.4.3.3.5.3.11.2 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information about the type of markup.

Datatype: "Max350Text" on page 1483

24.4.3.3.5.3.12 DeclarationDetails <DclrtnDtls>

Presence: [0..1]

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

DeclarationDetails <DclrtnDtls> contains the following **ActionMessage5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		714
	MessageContent <MsgCntt>	[1..1]	Text		715

24.4.3.3.5.3.12.1 Format <Frmt>

Presence: [0..1]

Definition: Format of the content.

Datatype: "OutputFormat1Code" on page 1469

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.

24.4.3.3.5.3.12.2 MessageContent <MsgCntt>

Presence: [1..1]

Definition: Text or graphic data to be display or printed to the cardholder or the cashier.

Datatype: "Max20000Text" on page 1482

24.4.3.3.5.3.13 ReferenceRate <RefRate>

Presence: [0..1]

Definition: Reference exchange rate to be shown to the consumer. Requirement within the EC, see 'REGULATION (EC) No 924/2009 OF THE EUROPEAN PARLIAMENT', 'P8_TA(2019)0124' and '2018/0076 (Article 3a)'.

ReferenceRate <RefRate> contains the following **ATMExchangeRateComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ExchangeRate <XchgRate>	[1..1]	Rate		715
	PublishDate <PblshDt>	[1..1]	DateTime		715
	AdditionalInformation <AddtlInf>	[0..1]	Text		715

24.4.3.3.5.3.13.1 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 1481

24.4.3.3.5.3.13.2 PublishDate <PblshDt>

Presence: [1..1]

Definition: Date when exchange rate published.

Datatype: "ISODateTime" on page 1478

24.4.3.3.5.3.13.3 AdditionalInformation <AddtlInf>

Presence: [0..1]

Definition: Additional information to be provided to the consumer related to the reference rate.

Datatype: "Max256Text" on page 1483

24.4.3.3.6 AccountInformation <AcctInf>

Presence: [0..*]

Definition: Account information associated to the customer.

AccountInformation <AcctInf> contains the following **CardAccount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		718
	AccountName <AcctNm>	[0..1]	Text		719
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		719
	Currency <Ccy>	[0..1]	CodeSet	C1	719
	AccountIdentifier <AcctIdr>	[0..1]			719
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	720
Or	BBAN <BBAN>	[1..1]	IdentifierSet		720
Or	UPIC <UPIC>	[1..1]	IdentifierSet		720
Or	DomesticAccount <DmstAcct>	[1..1]			720
	Identification <Id>	[1..1]	Text		721
Or	MSISDN <MSISDN>	[1..1]	Text		721
Or}	Email <Email>	[1..1]	Text		721
	CreditReference <CdtRef>	[0..1]	Text		721
	Servicer <Svcr>	[0..1]			721
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	721
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		722
	Balance <Bal>	[0..*]			722
	Amount <Amt>	[1..1]	Amount	C6	722
	Sign <Sgn>	[0..1]	Indicator		723
	Date <Dt>	[0..1]	Date		723
	Label <Lbl>	[0..1]	Text		723
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		723
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		723
	AllowedService <AllwdSvc>	[0..*]			724
	ServiceType <SvcTp>	[1..1]	CodeSet		724
	ServiceVariant <SvcVarnt>	[0..*]			725
	Identification <Id>	[1..1]	Text		725
	Label <Lbl>	[0..1]	Text		725
	Limits <Lmts>	[0..*]			725
	Currency <Ccy>	[0..1]	CodeSet	C1	726
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		726

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		726
	AdditionalAmount <AddtlAmt>	[0..*]			726
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Labl>	[0..1]	Text		727

24.4.3.3.6.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

24.4.3.3.6.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

24.4.3.3.6.3 AccountUsageCode <AcctUsgCd>

Presence: [0..1]

Definition: Determines whether the account is a destination or a source (or both) account.

Datatype: "ATMAccountUsage1Code" on page 1439

CodeName	Name	Definition
BOTH	Both	Can be both the source and the destination account.
DSTN	Destination	Destination account.
SRCE	Source	Source account.

24.4.3.3.6.4 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.6.5 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	720
Or	BBAN <BBAN>	[1..1]	IdentifierSet		720
Or	UPIC <UPIC>	[1..1]	IdentifierSet		720
Or	DomesticAccount <DmstAcct>	[1..1]			720
	Identification <Id>	[1..1]	Text		721
Or	MSISDN <MSISDN>	[1..1]	Text		721
Or}	Email <Email>	[1..1]	Text		721

24.4.3.3.6.5.1 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 1479

Constraints

- **IBAN**

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

24.4.3.3.6.5.2 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 1479

24.4.3.3.6.5.3 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 1480

24.4.3.3.6.5.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		721

24.4.3.3.6.5.4.1 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 1483

24.4.3.3.6.5.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

24.4.3.3.6.5.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

24.4.3.3.6.6 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

24.4.3.3.6.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	721
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		722

24.4.3.3.6.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

24.4.3.3.6.7.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

24.4.3.3.6.8 Balance <Bal>

Presence: [0..*]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	722
	Sign <Sgn>	[0..1]	Indicator		723
	Date <Dt>	[0..1]	Date		723
	Label <Lbl>	[0..1]	Text		723

24.4.3.3.6.8.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

24.4.3.3.6.8.2 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 1480](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

24.4.3.3.6.8.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: ["ISODate" on page 1478](#)

24.4.3.3.6.8.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: ["Max70Text" on page 1485](#)

24.4.3.3.6.9 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

24.4.3.3.6.10 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

24.4.3.3.6.11 AllowedService <AllwdSvc>

Presence: [0..*]

Definition: Service allowed on the account.

AllowedService <AllwdSvc> contains the following **ATMService29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		724
	ServiceVariant <SvcVarnt>	[0..*]			725
	Identification <Id>	[1..1]	Text		725
	Label <Labl>	[0..1]	Text		725
	Limits <Lmts>	[0..*]			725
	Currency <Ccy>	[0..1]	CodeSet	C1	726
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		726
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		726
	AdditionalAmount <AddtlAmt>	[0..*]			726
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Labl>	[0..1]	Text		727

24.4.3.3.6.11.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType13Code" on page 1450

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
PINC	PINChange	Modification of the card PIN value.
STDR	StandardWithdrawal	Standard withdrawal of items.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be

CodeName	Name	Definition
		absent from the withdrawal request message.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
TRFP	Payment	Funds transfer to pay a third party.

24.4.3.3.6.11.2 ServiceVariant <SvcVarnt>

Presence: [0..*]

Definition: Variant of the service.

ServiceVariant <SvcVarnt> contains the following **ATMService18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		725
	Label <Labl>	[0..1]	Text		725

24.4.3.3.6.11.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the service variant.

Datatype: "Max35Text" on page 1483

24.4.3.3.6.11.2.2 Label <Labl>

Presence: [0..1]

Definition: Label of the service variant.

Datatype: "Max35Text" on page 1483

24.4.3.3.6.11.3 Limits <Lmts>

Presence: [0..*]

Definition: Limits of amounts.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	726
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		726
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		726
	AdditionalAmount <AddtlAmt>	[0..*]			726
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Labl>	[0..1]	Text		727

24.4.3.3.6.11.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.6.11.3.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.6.11.3.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.6.11.3.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		727
	Amount <Amt>	[1..1]	Amount		727
	Currency <Ccy>	[0..1]	CodeSet	C1	727
	Label <Labl>	[0..1]	Text		727

24.4.3.3.6.11.3.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

24.4.3.3.6.11.3.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.6.11.3.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

24.4.3.3.6.11.3.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

24.4.3.3.7 AccountStatementData <AcctStmtData>

Presence: [0..*]

Definition: Statement information of an account.

AccountStatementData <AcctStmtData> contains the following elements (see "ATMAccountStatement3" on page 1376 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentifier <AcctIdr>	[1..1]			1376
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1377
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1377
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1377
Or	DomesticAccount <DmstAcct>	[1..1]			1377
	Identification <Id>	[1..1]	Text		1378
Or	MSISDN <MSISDN>	[1..1]	Text		1378
Or}	Email <Email>	[1..1]	Text		1378
	AccountName <AcctNm>	[0..1]	Text		1378
	AccountStatement <AcctStmt>	[0..*]			1378
	TransactionDate <TxDt>	[0..1]	Date		1379
	ValueDate <ValDt>	[0..1]	Date		1379
	ShortText <ShrtTxt>	[0..1]	Text		1379
	CreditTransaction <CdtTx>	[0..1]	Indicator		1379
	Amount <Amt>	[1..1]	Amount		1379
	Currency <Ccy>	[0..1]	CodeSet	C1	1379
	LongText <LngTxt>	[0..1]	Text		1380

24.4.3.3.8 CurrencyExchange <CcyXchg>

Presence: [0..1]

Definition: Exchange rate and calculated amount to be presented to the customer when the dispense currency or the deposit currency (target currency) is different to account currency (source currency).

CurrencyExchange <CcyXchg> contains the following elements (see "CurrencyConversion5" on page 1380 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SourceCurrency <SrcCcy>	[1..1]	CodeSet	C1	1380
	SourceCurrencyNumeric <SrcCcyNmrc>	[1..1]	CodeSet	C1	1381
	TargetCurrency <TrgtCcy>	[1..1]	CodeSet	C1	1381
	TargetCurrencyNumeric <TrgtCcyNmrc>	[1..1]	Text		1381
	Rate <Rate>	[1..1]	Rate		1381
	CalculatedAmount <ClctdAmt>	[1..1]	Amount		1381

24.4.3.3.9 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

24.4.3.3.10 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		729
	Urgency <Urgcy>	[1..1]	CodeSet		729
	DateTime <DtTm>	[0..1]	DateTime		730
	CommandIdentification <CmdId>	[0..1]	±		730
	CommandParameters <CmdParams>	[0..1]	±		730

24.4.3.3.10.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

24.4.3.3.10.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

24.4.3.3.10.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

24.4.3.3.10.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

24.4.3.3.10.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

24.4.3.3.11 AuthorisationResult <AuthstnRsIt>

Presence: [0..1]

Definition: Outcome of the authorisation

AuthorisationResult <AuthstnRsIt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		731
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		732
	ResponseTrace <RspnTrac>	[0..*]			732
	ResponderIdentification <RspndrId>	[1..1]	Text		732
	Codification <Cdfctn>	[0..1]	Text		733
	Response <Rspn>	[1..1]	Text		733
	ResponseReason <RspnRsn>	[0..1]	Text		733
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		733
	AuthorisationCode <AuthstnCd>	[0..1]	Text		733
	Action <Actn>	[0..*]			733
	ActionType <ActnTp>	[1..1]	CodeSet		734
	MessageToPresent <MsgToPres>	[0..1]			734
	Format <Frmt>	[0..1]	CodeSet		734
	Message <Msg>	[0..1]	Text		735
	Reference <Ref>	[0..1]	Text		735
	Device <Dvc>	[0..1]	CodeSet		735
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		735
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		735
	FeeToAdd <FeeToAdd>	[0..*]			737
	Amount <Amt>	[1..1]	Amount		737
	Currency <Ccy>	[0..1]	CodeSet	C1	737
	FeeLabel <FeeLabl>	[0..1]	Text		738

24.4.3.3.11.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

24.4.3.3.11.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see "[ResponseType12](#)" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

24.4.3.3.11.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		732
	Codification <Cdfctn>	[0..1]	Text		733
	Response <Rspn>	[1..1]	Text		733
	ResponseReason <RspnRsn>	[0..1]	Text		733
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		733

24.4.3.3.11.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: "[Max35Text](#)" on page 1483

24.4.3.3.11.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

24.4.3.3.11.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

24.4.3.3.11.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

24.4.3.3.11.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

24.4.3.3.11.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

24.4.3.3.11.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		734
	MessageToPresent <MsgToPres>	[0..1]			734
	Format <Frmt>	[0..1]	CodeSet		734
	Message <Msg>	[0..1]	Text		735
	Reference <Ref>	[0..1]	Text		735
	Device <Dvc>	[0..1]	CodeSet		735
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		735
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		735

24.4.3.3.11.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

24.4.3.3.11.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		734
	Message <Msg>	[0..1]	Text		735
	Reference <Ref>	[0..1]	Text		735
	Device <Dvc>	[0..1]	CodeSet		735
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		735

24.4.3.3.11.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
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.

24.4.3.3.11.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

24.4.3.3.11.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

24.4.3.3.11.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

24.4.3.3.11.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

24.4.3.3.11.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.

CodeName	Name	Definition
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

24.4.3.3.11.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		737
	Currency <Ccy>	[0..1]	CodeSet	C1	737
	FeeLabel <FeeLabl>	[0..1]	Text		738

24.4.3.3.11.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

24.4.3.3.11.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- ActiveCurrency**

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

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

24.4.3.3.11.6.3 FeeLabel <FeeLbl>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

24.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		738
	AuthenticatedData <AuthntcdData>	[1..1]	±		738

24.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

24.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

25 catp.008.001.03 ATMCompletionAdviceV03

25.1 MessageDefinition Functionality

The ATMCompletionAdvice message is sent by an ATM to an acquirer or its agent to inform of the result of a transaction performed on the ATM.

Outline

The ATMCompletionAdviceV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMCompletionAdvice
Encrypted body of the message.
- C. ATMCompletionAdvice
Information related to the completion of an operation on the ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

25.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMCmpltnAdv>	[1..1]			
	Header <Hdr>	[1..1]			745
	MessageFunction <MsgFctn>	[1..1]			746
	Function <Fctn>	[1..1]	CodeSet		746
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		748
	HostServiceCode <HstSvcCd>	[0..1]	Text		748
	ProtocolVersion <PrctolVrsn>	[1..1]	Text		748
	ExchangeIdentification <XchgId>	[1..1]	Text		748
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		748
	CreationDateTime <CreDtTm>	[1..1]	DateTime		749
	InitiatingParty <InitgPty>	[1..1]	Text		749
	RecipientParty <RcptPty>	[0..1]	Text		749
	ProcessState <PrctStat>	[0..1]	Text		749
	Traceability <Tracblt>	[0..*]			749
	RelayIdentification <RlayId>	[1..1]	±		749
	SequenceNumber <SeqNb>	[0..1]	Text		750
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		750
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		750
	ProtectedATMCompletionAdvice <PrctcdATMCmpltnAdv>	[0..1]	±		750
	ATMCompletionAdvice <ATMCmpltnAdv>	[0..1]			750
	Environment <Envnt>	[1..1]			754
	Acquirer <Acqrr>	[0..1]	±		757
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		757
	HostingEntity <HstgNtty>	[0..1]	±		757
	ATM <ATM>	[1..1]			757
	Identification <Id>	[1..1]	Text		759
	AdditionalIdentification <AddtlId>	[0..1]	Text		759
	SequenceNumber <SeqNb>	[0..1]	Text		759
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	759
	Location <Lctn>	[0..1]			759

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		760
	StreetName <StrtNm>	[0..1]	Text		760
	BuildingNumber <BldgNb>	[0..1]	Text		760
	PostCode <PstCd>	[0..1]	Text		760
	TownName <TwnNm>	[1..1]	Text		761
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		761
	Country <Ctry>	[1..1]	CodeSet	C2	761
	GeoLocation <GLctn>	[0..1]			761
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			761
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762
Or}	UTMCoordinates <UTMCordints>	[1..1]			762
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		763
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		763
	Capabilities <Cpblties>	[0..1]	±		763
	Equipment <Eqpmnt>	[0..1]			764
	Manufacturer <Manfctr>	[0..1]	Text		765
	Model <Mdl>	[0..1]	Text		765
	SerialNumber <SrlNb>	[0..1]	Text		765
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		765
	ApplicationName <ApplNm>	[0..1]	Text		765
	ApplicationVersion <ApplVrsn>	[0..1]	Text		766
	ApprovalNumber <ApprvlNb>	[0..1]	Text		766
	ConfigurationParameter <CfgtnParam>	[0..*]			766
	Type <Tp>	[1..1]	CodeSet		766
	Version <Vrsn>	[1..1]	Text		767
	Customer <Cstmr>	[1..1]			767
	Profile <Prfl>	[0..1]			767
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		767

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		768
	CustomerIdentification <CstmrlId>	[0..1]	Text		768
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	768
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	768
	AuthenticationResult <AuthntcnRslt>	[1..*]			769
	Method <Mtd>	[1..1]	CodeSet		769
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		769
	Result <Rslt>	[0..1]	CodeSet		770
	AdditionalResult <AddtlRslt>	[0..1]	Text		770
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		770
	Card <Card>	[0..1]			770
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		771
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		772
	ProtectedCardData <PrctcdCardData>	[0..1]	±		772
	PlainCardData <PlainCardData>	[0..1]			772
	PAN <PAN>	[0..1]	Text		772
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		773
	EffectiveDate <FctvDt>	[0..1]	Text		773
	ExpiryDate <XpryDt>	[0..1]	Text		773
	Track1 <Trck1>	[0..1]	Text		773
	Track2 <Trck2>	[0..1]	Text		773
	Track3 <Trck3>	[0..1]	Text		773
	CardCountryCode <CardCtryCd>	[0..1]	Text		773
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		773
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	774
	Context <Cntxt>	[1..1]			774
	SessionReference <SsnRef>	[0..1]	Text		774
	Service <Svc>	[1..1]			774
	ServiceReference <SvcRef>	[0..1]	Text		775
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		775
	HostServiceCode <HstSvcCd>	[0..1]	Text		775

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		775
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		776
	Transaction <Tx>	[1..1]			776
	TransactionIdentification <TxId>	[1..1]	±		778
	TransactionStatus <TxSts>	[1..1]	CodeSet		778
	Incident <IncDnt>	[0..*]	CodeSet		778
	IncidentDetail <IncDntDtl>	[0..*]	Text		780
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		780
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		780
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		781
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		781
	AuthorisationResult <AuthstnRslt>	[0..1]			781
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		782
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		783
	ResponseTrace <RspnTrac>	[0..*]			783
	ResponderIdentification <RspndrId>	[1..1]	Text		783
	Codification <Cdfctn>	[0..1]	Text		783
	Response <Rspn>	[1..1]	Text		784
	ResponseReason <RspnRsn>	[0..1]	Text		784
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		784
	AuthorisationCode <AuthstnCd>	[0..1]	Text		784
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]			785
	Format <Frmt>	[0..1]	CodeSet		785
	Message <Msg>	[0..1]	Text		786
	Reference <Ref>	[0..1]	Text		786
	Device <Dvc>	[0..1]	CodeSet		786
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		786
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		786
	FeeToAdd <FeeToAdd>	[0..*]			788

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		788
	Currency <Ccy>	[0..1]	CodeSet	C1	788
	FeeLabel <FeeLabl>	[0..1]	Text		789
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		789
	SecurityTrailer <SctyTrlr>	[0..1]			789
	ContentType <CnttTp>	[1..1]	CodeSet		789
	AuthenticatedData <AuthntcdData>	[1..1]	±		790

25.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

C3 ValidationByTable

Must be a valid terrestrial language.

C4 ValidationByTable

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

25.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

25.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			746
	Function <Fctn>	[1..1]	CodeSet		746
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		748
	HostServiceCode <HstSvcCd>	[0..1]	Text		748
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		748
	ExchangeIdentification <XchgId>	[1..1]	Text		748
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		748
	CreationDateTime <CreDtTm>	[1..1]	DateTime		749
	InitiatingParty <InitgPty>	[1..1]	Text		749
	RecipientParty <RcptPty>	[0..1]	Text		749
	ProcessState <PrcStat>	[0..1]	Text		749
	Traceability <Tracblt>	[0..*]			749
	RelayIdentification <RlayId>	[1..1]	±		749
	SequenceNumber <SeqNb>	[0..1]	Text		750
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		750
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		750

25.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		746
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		748
	HostServiceCode <HstSvcCd>	[0..1]	Text		748

25.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

25.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

25.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

25.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

25.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

25.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

25.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

25.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

25.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

25.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

25.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		749
	SequenceNumber <SeqNb>	[0..1]	Text		750
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		750
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		750

25.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

25.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

25.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

25.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

25.4.2 ProtectedATMCompletionAdvice <PrtctdATMCmpltnAdvc>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMCompletionAdvice <PrtctdATMCmpltnAdvc> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

25.4.3 ATMCompletionAdvice <ATMCmpltnAdvc>

Presence: [0..1]

Definition: Information related to the completion of an operation on the ATM.

ATMCompletionAdvice <ATMCmpltnAdvcs> contains the following **ATMCompletionAdvice3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			754
	Acquirer <Acqrr>	[0..1]	±		757
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		757
	HostingEntity <HstgNtty>	[0..1]	±		757
	ATM <ATM>	[1..1]			757
	Identification <Id>	[1..1]	Text		759
	AdditionalIdentification <AddtlId>	[0..1]	Text		759
	SequenceNumber <SeqNb>	[0..1]	Text		759
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	759
	Location <Lctn>	[0..1]			759
	AddressLine <AdrLine>	[0..2]	Text		760
	StreetName <StrtNm>	[0..1]	Text		760
	BuildingNumber <BldgNb>	[0..1]	Text		760
	PostCode <PstCd>	[0..1]	Text		760
	TownName <TwnNm>	[1..1]	Text		761
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		761
	Country <Ctry>	[1..1]	CodeSet	C2	761
	GeoLocation <GLctn>	[0..1]			761
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			761
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762
Or}	UTMCoordinates <UTMCordints>	[1..1]			762
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		763
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		763
	Capabilities <Cpblties>	[0..1]	±		763
	Equipment <Eqpmnt>	[0..1]			764
	Manufacturer <Manfctr>	[0..1]	Text		765
	Model <Mdl>	[0..1]	Text		765

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SerialNumber <SrlNb>	[0..1]	Text		765
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		765
	ApplicationName <ApplNm>	[0..1]	Text		765
	ApplicationVersion <ApplVrsn>	[0..1]	Text		766
	ApprovalNumber <ApprvlNb>	[0..1]	Text		766
	ConfigurationParameter <CfgrtnParam>	[0..*]			766
	Type <Tp>	[1..1]	CodeSet		766
	Version <Vrsn>	[1..1]	Text		767
	Customer <Cstmr>	[1..1]			767
	Profile <Prfl>	[0..1]			767
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		767
	ProfileReference <PrflRef>	[0..1]	Text		768
	CustomerIdentification <CstmrlId>	[0..1]	Text		768
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	768
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	768
	AuthenticationResult <AuthntcnRslt>	[1..*]			769
	Method <Mtd>	[1..1]	CodeSet		769
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		769
	Result <Rslt>	[0..1]	CodeSet		770
	AdditionalResult <AddtlRslt>	[0..1]	Text		770
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		770
	Card <Card>	[0..1]			770
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		771
	FallbackIndicator <FllbckInd>	[0..1]	Indicator		772
	ProtectedCardData <PrctcdCardData>	[0..1]	±		772
	PlainCardData <PlainCardData>	[0..1]			772
	PAN <PAN>	[0..1]	Text		772
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		773
	EffectiveDate <FctvDt>	[0..1]	Text		773
	ExpiryDate <XpryDt>	[0..1]	Text		773
	Track1 <Trck1>	[0..1]	Text		773

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Track2 <Trck2>	[0..1]	Text		773
	Track3 <Trck3>	[0..1]	Text		773
	CardCountryCode <CardCtryCd>	[0..1]	Text		773
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		773
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	774
	Context <Cntxt>	[1..1]			774
	SessionReference <SsnRef>	[0..1]	Text		774
	Service <Svc>	[1..1]			774
	ServiceReference <SvcRef>	[0..1]	Text		775
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		775
	HostServiceCode <HstSvcCd>	[0..1]	Text		775
	ServiceType <SvcTp>	[1..1]	CodeSet		775
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		776
	Transaction <Tx>	[1..1]			776
	TransactionIdentification <Txld>	[1..1]	±		778
	TransactionStatus <TxSts>	[1..1]	CodeSet		778
	Incident <Incdnt>	[0..*]	CodeSet		778
	IncidentDetail <IncdntDtl>	[0..*]	Text		780
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		780
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		780
	ReceiptPrinted <RctPrtD>	[0..1]	Indicator		781
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		781
	AuthorisationResult <AuthstnRslt>	[0..1]			781
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		782
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		783
	ResponseTrace <RspnTrac>	[0..*]			783
	ResponderIdentification <Rspndrld>	[1..1]	Text		783
	Codification <Cdfctn>	[0..1]	Text		783
	Response <Rspn>	[1..1]	Text		784
	ResponseReason <RspnRsn>	[0..1]	Text		784
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		784

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationCode <AuthstnCd>	[0..1]	Text		784
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]			785
	Format <Frmt>	[0..1]	CodeSet		785
	Message <Msg>	[0..1]	Text		786
	Reference <Ref>	[0..1]	Text		786
	Device <Dvc>	[0..1]	CodeSet		786
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		786
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		786
	FeeToAdd <FeeToAdd>	[0..*]			788
	Amount <Amt>	[1..1]	Amount		788
	Currency <Ccy>	[0..1]	CodeSet	C1	788
	FeeLabel <FeeLbl>	[0..1]	Text		789
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		789

25.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		757
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		757
	HostingEntity <HstgNtty>	[0..1]	±		757
	ATM <ATM>	[1..1]			757
	Identification <Id>	[1..1]	Text		759
	AdditionalIdentification <AddtlId>	[0..1]	Text		759
	SequenceNumber <SeqNb>	[0..1]	Text		759
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	759
	Location <Lctn>	[0..1]			759
	AddressLine <AdrLine>	[0..2]	Text		760
	StreetName <StrtNm>	[0..1]	Text		760
	BuildingNumber <BldgNb>	[0..1]	Text		760
	PostCode <PstCd>	[0..1]	Text		760
	TownName <TwnNm>	[1..1]	Text		761
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		761
	Country <Ctry>	[1..1]	CodeSet	C2	761
	GeoLocation <GLctn>	[0..1]			761
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			761
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762
Or}	UTMCoordinates <UTMCordints>	[1..1]			762
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		763
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		763
	Capabilities <Cpblties>	[0..1]	±		763
	Equipment <Eqpmnt>	[0..1]			764
	Manufacturer <Manfctr>	[0..1]	Text		765
	Model <Mdl>	[0..1]	Text		765
	SerialNumber <SrlNb>	[0..1]	Text		765
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		765

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		765
	ApplicationVersion <AppIVrsn>	[0..1]	Text		766
	ApprovalNumber <ApprvINb>	[0..1]	Text		766
	ConfigurationParameter <CfgrnParam>	[0..*]			766
	Type <Tp>	[1..1]	CodeSet		766
	Version <Vrsn>	[1..1]	Text		767
	Customer <Cstmr>	[1..1]			767
	Profile <Prfl>	[0..1]			767
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		767
	ProfileReference <PrflRef>	[0..1]	Text		768
	CustomerIdentification <CstmrlId>	[0..1]	Text		768
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	768
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	768
	AuthenticationResult <AuthntcnRslt>	[1..*]			769
	Method <Mtd>	[1..1]	CodeSet		769
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		769
	Result <Rslt>	[0..1]	CodeSet		770
	AdditionalResult <AddtlRslt>	[0..1]	Text		770
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		770
	Card <Card>	[0..1]			770
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		771
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		772
	ProtectedCardData <PrtctdCardData>	[0..1]	±		772
	PlainCardData <PlainCardData>	[0..1]			772
	PAN <PAN>	[0..1]	Text		772
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		773
	EffectiveDate <FctvDt>	[0..1]	Text		773
	ExpiryDate <XpryDt>	[0..1]	Text		773
	Track1 <Trck1>	[0..1]	Text		773
	Track2 <Trck2>	[0..1]	Text		773
	Track3 <Trck3>	[0..1]	Text		773

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardCountryCode <CardCtryCd>	[0..1]	Text		773
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		773
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	774

25.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrglInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

25.4.3.1.2 ATMMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

25.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see ["TerminalHosting1"](#) on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

25.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		759
	AdditionalIdentification <AddtlId>	[0..1]	Text		759
	SequenceNumber <SeqNb>	[0..1]	Text		759
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	759
	Location <Lctn>	[0..1]			759
	AddressLine <AdrLine>	[0..2]	Text		760
	StreetName <StrtNm>	[0..1]	Text		760
	BuildingNumber <BldgNb>	[0..1]	Text		760
	PostCode <PstCd>	[0..1]	Text		760
	TownName <TwnNm>	[1..1]	Text		761
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		761
	Country <Ctry>	[1..1]	CodeSet	C2	761
	GeoLocation <GLctn>	[0..1]			761
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			761
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762
Or}	UTMCoordinates <UTMCordints>	[1..1]			762
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		763
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		763
	Capabilities <Cpblties>	[0..1]	±		763
	Equipment <Eqpmnt>	[0..1]			764
	Manufacturer <Manfctr>	[0..1]	Text		765
	Model <Mdl>	[0..1]	Text		765
	SerialNumber <SrlNb>	[0..1]	Text		765
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		765
	ApplicationName <ApplNm>	[0..1]	Text		765
	ApplicationVersion <ApplVrsn>	[0..1]	Text		766
	ApprovalNumber <ApprvlNb>	[0..1]	Text		766
	ConfigurationParameter <CfgrtnParam>	[0..*]			766

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		766
	Version <Vrsn>	[1..1]	Text		767

25.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

25.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		760
	StreetName <StrtNm>	[0..1]	Text		760
	BuildingNumber <BldgNb>	[0..1]	Text		760
	PostCode <PstCd>	[0..1]	Text		760
	TownName <TwnNm>	[1..1]	Text		761
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		761
	Country <Ctry>	[1..1]	CodeSet	C2	761
	GeoLocation <GLctn>	[0..1]			761
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			761
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762
Or}	UTMCoordinates <UTMCordints>	[1..1]			762
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		763

25.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

25.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

25.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

25.4.3.1.4.5.4 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 1482

25.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C2 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

25.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			761
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762
Or}	UTMCoordinates <UTMCordints>	[1..1]			762
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		763

25.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		762
	Longitude <Long>	[1..1]	Text		762

25.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

25.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

25.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		762
	UTMEastward <UTMEstwr>	[1..1]	Quantity		762
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		763

25.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

25.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

25.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

25.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

25.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstdMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntractvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

25.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		765
	Model <Mdl>	[0..1]	Text		765
	SerialNumber <SrINb>	[0..1]	Text		765
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		765
	ApplicationName <ApplNm>	[0..1]	Text		765
	ApplicationVersion <ApplVrsn>	[0..1]	Text		766
	ApprovalNumber <ApprvINb>	[0..1]	Text		766
	ConfigurationParameter <CfgtnParam>	[0..*]			766
	Type <Tp>	[1..1]	CodeSet		766
	Version <Vrsn>	[1..1]	Text		767

25.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

25.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		766
	Version <Vrsn>	[1..1]	Text		767

25.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

25.4.3.1.4.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

25.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			767
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		767
	ProfileReference <PrflRef>	[0..1]	Text		768
	CustomerIdentification <CstmrlId>	[0..1]	Text		768
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	768
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	768
	AuthenticationResult <AuthntcnRslt>	[1..*]			769
	Method <Mtd>	[1..1]	CodeSet		769
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		769
	Result <Rslt>	[0..1]	CodeSet		770
	AdditionalResult <AddtlRslt>	[0..1]	Text		770
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		770

25.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the service.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		767
	ProfileReference <PrflRef>	[0..1]	Text		768
	CustomerIdentification <CstmrlId>	[0..1]	Text		768
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	768

25.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

25.4.3.1.5.1.2 ProfileReference <PrfIRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

25.4.3.1.5.1.3 CustomerIdentification <CstmrId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

25.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

25.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

25.4.3.1.5.3 AuthenticationResult <AuthntcnRslt>

Presence: [1..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		769
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		769
	Result <Rslt>	[0..1]	CodeSet		770
	AdditionalResult <AddtlRslt>	[0..1]	Text		770
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		770

25.4.3.1.5.3.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

25.4.3.1.5.3.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

25.4.3.1.5.3.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

25.4.3.1.5.3.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

25.4.3.1.5.3.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

25.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard37** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		771
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		772
	ProtectedCardData <PrctcdCardData>	[0..1]	±		772
	PlainCardData <PlainCardData>	[0..1]			772
	PAN <PAN>	[0..1]	Text		772
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		773
	EffectiveDate <FctvDt>	[0..1]	Text		773
	ExpiryDate <XpryDt>	[0..1]	Text		773
	Track1 <Trck1>	[0..1]	Text		773
	Track2 <Trck2>	[0..1]	Text		773
	Track3 <Trck3>	[0..1]	Text		773
	CardCountryCode <CardCtryCd>	[0..1]	Text		773
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		773
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C4	774

25.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode that used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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).

25.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicate the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

25.4.3.1.6.3 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 "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

25.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		772
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		773
	EffectiveDate <FctvDt>	[0..1]	Text		773
	ExpiryDate <XpryDt>	[0..1]	Text		773
	Track1 <Trck1>	[0..1]	Text		773
	Track2 <Trck2>	[0..1]	Text		773
	Track3 <Trck3>	[0..1]	Text		773

25.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

25.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

25.4.3.1.6.4.3 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 1482

25.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

25.4.3.1.6.4.5 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 1485

25.4.3.1.6.4.6 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 1483

25.4.3.1.6.4.7 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 1481

25.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

25.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

25.4.3.1.6.7 ElectronicPurseBalance <ElctrncPrsBal>

Presence: [0..1]

Definition: Balance of the captured card or epurse if available.

Impacted by: C4 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

25.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		774
	Service <Svc>	[1..1]			774
	ServiceReference <SvcRef>	[0..1]	Text		775
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		775
	HostServiceCode <HstSvcCd>	[0..1]	Text		775
	ServiceType <SvcTp>	[1..1]	CodeSet		775
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		776

25.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

25.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		775
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		775
	HostServiceCode <HstSvcCd>	[0..1]	Text		775
	ServiceType <SvcTp>	[1..1]	CodeSet		775
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		776

25.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

25.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

25.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

25.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of transaction selected by the customer.

Datatype: "ATMServiceType7Code" on page 1452

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.

CodeName	Name	Definition
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
MCHG	MakingChange	Making change between media types.
TRFP	Payment	Funds transfer to pay a third party.

25.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

25.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Transaction for which the completion is sent.

Transaction <Tx> contains the following **ATMTransaction47** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		778
	TransactionStatus <TxSts>	[1..1]	CodeSet		778
	Incident <IncDnt>	[0..*]	CodeSet		778
	IncidentDetail <IncDntDtl>	[0..*]	Text		780
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		780
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		780
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		781
	CustomerConsent <CstmrCnsnt>	[0..1]	Indicator		781
	AuthorisationResult <AuthstnRslt>	[0..1]			781
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		782
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		783
	ResponseTrace <RspnTrac>	[0..*]			783
	ResponderIdentification <RspndrId>	[1..1]	Text		783
	Codification <Cdfctn>	[0..1]	Text		783
	Response <Rspn>	[1..1]	Text		784
	ResponseReason <RspnRsn>	[0..1]	Text		784
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		784
	AuthorisationCode <AuthstnCd>	[0..1]	Text		784
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]			785
	Format <Frmt>	[0..1]	CodeSet		785
	Message <Msg>	[0..1]	Text		786
	Reference <Ref>	[0..1]	Text		786
	Device <Dvc>	[0..1]	CodeSet		786
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		786
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		786
	FeeToAdd <FeeToAdd>	[0..*]			788
	Amount <Amt>	[1..1]	Amount		788
	Currency <Ccy>	[0..1]	CodeSet	C1	788
	FeeLabel <FeeLabl>	[0..1]	Text		789

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		789

25.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

25.4.3.3.2 TransactionStatus <TxSts>

Presence: [1..1]

Definition: Outcome of the financial transaction for the customer.

Datatype: ["ATMTransactionStatus1Code"](#) on page 1453

CodeName	Name	Definition
DOBT	Doubt	Undetermined status, for instance possibly forgotten notes.
FAIL	Failure	Transaction failed.
SCSS	Success	Transaction was successfully completed.

25.4.3.3.3 Incident <IncDnt>

Presence: [0..*]

Definition: Incident occurring during the processing of the transaction.

Datatype: ["FailureReason9Code"](#) on page 1462

CodeName	Name	Definition
CDCP	CardCaptured	ATM manager has requested to capture the card.
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CDER	CardError	Unable to complete transaction with the card.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CUDC	CustomerDecline	Customer has declined additional fees or a lower amount, transaction fails.

CodeName	Name	Definition
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
FILL	FullfilmentError	Unable to fulfil, for instance dispensing the cash.
MALF	Malfunction	Suspected malfunction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCPT	UnableToCapture	Unable to capture the card as requested.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
CSRV	OutOfCustomerService	ATM manager has requested to the ATM to stop customer services.
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CUTO	CustomerTimeOut	Customer has not been performed in time an action.
RJCT	Reject	The ATM Manager has sent an ATMReject message in response to an authorisation request.
FMTE	FormatError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were badly formatted (for example an integer value where a dateTime value was expected).
VLTE	ValidationError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were invalid (for example an incorrect ExchangeIdentifier).
CHFG	CashDispenserRetract	Following a cash dispense operation the consumer forgot to take the notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is unknown.
DCFG	CashDepositRetract	Following a cash return, on a deposit operation, the consumer forgot to take

CodeName	Name	Definition
		the returned notes, causing them to be retracted. The number of notes retracted is unknown.
CQFG	ChequeDepositRetract	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is unknown.
DFGC	CashDepositRetractCounted	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is known as the device was able to count the notes retracted.
CFGC	CashDispenserRetractCounted	Following a cash dispense operation the consumer forgot to take the returned notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is known as the device was able to count the notes retracted.
QFGC	ChequeDepositRetractCounted	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is known as the device was able to count the cheques retracted.
CQRT	ChequesRetained	Cheques have been retained by the terminal since it has been unable to return them.
DCRT	DepositsRetained	Cash has been retained by the terminal since it has been unable to return it.
RSTR	Restart	The ATM has restarted.

25.4.3.3.4 IncidentDetail <IncDntDtl>

Presence: [0..*]

Definition: Explanation of the incident.

Datatype: "Max70Text" on page 1485

25.4.3.3.5 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

25.4.3.3.6 RequestedReceipt <ReqdRct>

Presence: [0..1]

Definition: True if the customer has requested a receipt.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

25.4.3.3.7 ReceiptPrinted <RctPrtd>

Presence: [0..1]

Definition: True if a receipt has been printed and presented to the customer.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

25.4.3.3.8 CustomerConsent <CstmrCnsnt>

Presence: [0..1]

Definition: Explicit consent expressed by a customer on a card-related service proposed by an acquirer or an issuer or any agent acting on behalf of one of them.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

25.4.3.3.9 AuthorisationResult <AuthstnRslt>

Presence: [0..1]

Definition: Outcome of the withdrawal authorisation.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		782
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		783
	ResponseTrace <RspnTrac>	[0..*]			783
	ResponderIdentification <RspndrId>	[1..1]	Text		783
	Codification <Cdfctn>	[0..1]	Text		783
	Response <Rspn>	[1..1]	Text		784
	ResponseReason <RspnRsn>	[0..1]	Text		784
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		784
	AuthorisationCode <AuthstnCd>	[0..1]	Text		784
	Action <Actn>	[0..*]			784
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]			785
	Format <Frmt>	[0..1]	CodeSet		785
	Message <Msg>	[0..1]	Text		786
	Reference <Ref>	[0..1]	Text		786
	Device <Dvc>	[0..1]	CodeSet		786
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		786
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		786
	FeeToAdd <FeeToAdd>	[0..*]			788
	Amount <Amt>	[1..1]	Amount		788
	Currency <Ccy>	[0..1]	CodeSet	C1	788
	FeeLabel <FeeLbl>	[0..1]	Text		789

25.4.3.3.9.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

25.4.3.3.9.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see ["ResponseType12"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

25.4.3.3.9.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		783
	Codification <Cdfctn>	[0..1]	Text		783
	Response <Rspn>	[1..1]	Text		784
	ResponseReason <RspnRsn>	[0..1]	Text		784
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		784

25.4.3.3.9.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: ["Max35Text"](#) on page 1483

25.4.3.3.9.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

25.4.3.3.9.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

25.4.3.3.9.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

25.4.3.3.9.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

25.4.3.3.9.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

25.4.3.3.9.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		784
	MessageToPresent <MsgToPres>	[0..1]			785
	Format <Frmt>	[0..1]	CodeSet		785
	Message <Msg>	[0..1]	Text		786
	Reference <Ref>	[0..1]	Text		786
	Device <Dvc>	[0..1]	CodeSet		786
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		786
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		786

25.4.3.3.9.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

25.4.3.3.9.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		785
	Message <Msg>	[0..1]	Text		786
	Reference <Ref>	[0..1]	Text		786
	Device <Dvc>	[0..1]	CodeSet		786
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		786

25.4.3.3.9.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

25.4.3.3.9.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

25.4.3.3.9.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

25.4.3.3.9.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

25.4.3.3.9.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

25.4.3.3.9.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

25.4.3.3.9.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		788
	Currency <Ccy>	[0..1]	CodeSet	C1	788
	FeeLabel <FeeLab/>	[0..1]	Text		789

25.4.3.3.9.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

25.4.3.3.9.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

25.4.3.3.9.6.3 FeeLabel <FeeLabl>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

25.4.3.3.10 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

25.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		789
	AuthenticatedData <AuthntcdData>	[1..1]	±		790

25.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

25.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

26 catp.009.001.03 ATMCompletionAcknowledgementV03

26.1 MessageDefinition Functionality

The ATMCompletionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMCompletionAdvice message.

Outline

The ATMCompletionAcknowledgementV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMCompletionAcknowledgement
Encrypted body of the message.
- C. ATMCompletionAcknowledgement
Information related to the acknowledgement of an ATM completion on the ATM. manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

26.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMCmpltnAck>	[1..1]			
	Header <Hdr>	[1..1]			793
	MessageFunction <MsgFctn>	[1..1]			794
	Function <Fctn>	[1..1]	CodeSet		794
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		796
	HostServiceCode <HstSvcCd>	[0..1]	Text		796
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		796
	ExchangeIdentification <XchgId>	[1..1]	Text		796
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		796
	CreationDateTime <CreDtTm>	[1..1]	DateTime		797
	InitiatingParty <InitgPty>	[1..1]	Text		797
	RecipientParty <RcptPty>	[0..1]	Text		797
	ProcessState <PrclStat>	[0..1]	Text		797
	Traceability <Tracblt>	[0..*]			797
	RelayIdentification <RlayId>	[1..1]	±		797
	SequenceNumber <SeqNb>	[0..1]	Text		798
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		798
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		798
	ProtectedATMCompletionAcknowledgement <PrctcdATMCmpltnAck>	[0..1]	±		798
	ATMCompletionAcknowledgement <ATMCmpltnAck>	[0..1]			798
	ATM <ATM>	[1..1]	±		799
	Context <Cntxt>	[1..1]			800
	SessionReference <SsnRef>	[0..1]	Text		801
	Service <Svc>	[1..1]			801
	ServiceReference <SvcRef>	[0..1]	Text		801
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		801
	HostServiceCode <HstSvcCd>	[0..1]	Text		802
	ServiceType <SvcTp>	[1..1]	CodeSet		802
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		802

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Transaction <Tx>	[1..1]			802
	TransactionIdentification <TxId>	[1..1]	±		803
	Response <Rspn>	[1..1]	CodeSet		803
	ResponseReason <RspnRsn>	[0..1]	CodeSet		804
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		807
	Command <Cmd>	[0..*]			808
	Type <Tp>	[1..1]	CodeSet		808
	Urgency <Urgcy>	[1..1]	CodeSet		808
	DateTime <DtTm>	[0..1]	DateTime		809
	CommandIdentification <CmdId>	[0..1]	±		809
	CommandParameters <CmdParams>	[0..1]	±		809
	SecurityTrailer <SctyTrlr>	[0..1]			809
	ContentType <CnttTp>	[1..1]	CodeSet		810
	AuthenticatedData <AuthntcdData>	[1..1]	±		810

26.3 Constraints

C1 Country

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

26.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

26.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			794
	Function <Fctn>	[1..1]	CodeSet		794
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		796
	HostServiceCode <HstSvcCd>	[0..1]	Text		796
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		796
	ExchangeIdentification <XchgId>	[1..1]	Text		796
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		796
	CreationDateTime <CreDtTm>	[1..1]	DateTime		797
	InitiatingParty <InitgPty>	[1..1]	Text		797
	RecipientParty <RcptPty>	[0..1]	Text		797
	ProcessState <PrcStat>	[0..1]	Text		797
	Traceability <Tracblt>	[0..*]			797
	RelayIdentification <RlayId>	[1..1]	±		797
	SequenceNumber <SeqNb>	[0..1]	Text		798
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		798
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		798

26.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		794
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		796
	HostServiceCode <HstSvcCd>	[0..1]	Text		796

26.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

26.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

26.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

26.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

26.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

26.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

26.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

26.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

26.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

26.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

26.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		797
	SequenceNumber <SeqNb>	[0..1]	Text		798
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		798
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		798

26.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

26.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

26.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

26.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

26.4.2 ProtectedATMCompletionAcknowledgement <PrtctdATMCmpltnAck>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMCompletionAcknowledgement <PrtctdATMCmpltnAck> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

26.4.3 ATMCompletionAcknowledgement <ATMCmpltnAck>

Presence: [0..1]

Definition: Information related to the acknowledgement of an ATM completion on the ATM. manager.

ATMCompletionAcknowledgement <ATMCmpltnAck> contains the following
ATMCompletionAcknowledgement3 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ATM <ATM>	[1..1]	±		799
	Context <Cntxt>	[1..1]			800
	SessionReference <SsnRef>	[0..1]	Text		801
	Service <Svc>	[1..1]			801
	ServiceReference <SvcRef>	[0..1]	Text		801
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		801
	HostServiceCode <HstSvcCd>	[0..1]	Text		802
	ServiceType <SvcTp>	[1..1]	CodeSet		802
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		802
	Transaction <Tx>	[1..1]			802
	TransactionIdentification <TxId>	[1..1]	±		803
	Response <Rspn>	[1..1]	CodeSet		803
	ResponseReason <RspnRsn>	[0..1]	CodeSet		804
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		807
	Command <Cmd>	[0..*]			808
	Type <Tp>	[1..1]	CodeSet		808
	Urgency <Urgcy>	[1..1]	CodeSet		808
	DateTime <DtTm>	[0..1]	DateTime		809
	CommandIdentification <CmdId>	[0..1]	±		809
	CommandParameters <CmdParams>	[0..1]	±		809

26.4.3.1 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

26.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		801
	Service <Svc>	[1..1]			801
	ServiceReference <SvcRef>	[0..1]	Text		801
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		801
	HostServiceCode <HstSvcCd>	[0..1]	Text		802
	ServiceType <SvcTp>	[1..1]	CodeSet		802
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		802

26.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

26.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		801
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		801
	HostServiceCode <HstSvcCd>	[0..1]	Text		802
	ServiceType <SvcTp>	[1..1]	CodeSet		802
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		802

26.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

26.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

26.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

26.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of transaction selected by the customer.

Datatype: "ATMServiceType7Code" on page 1452

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre- authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre- defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
MCHG	MakingChange	Making change between media types.
TRFP	Payment	Funds transfer to pay a third party.

26.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

26.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Acknowledgement of the completion advice.

Transaction <Tx> contains the following **ATMTransaction45** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		803
	Response <Rspn>	[1..1]	CodeSet		803
	ResponseReason <RspnRsn>	[0..1]	CodeSet		804
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		807
	Command <Cmd>	[0..*]			808
	Type <Tp>	[1..1]	CodeSet		808
	Urgency <Urgcy>	[1..1]	CodeSet		808
	DateTime <DtTm>	[0..1]	DateTime		809
	CommandIdentification <CmdId>	[0..1]	±		809
	CommandParameters <CmdParams>	[0..1]	±		809

26.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

26.4.3.3.2 Response <Rspn>

Presence: [1..1]

Definition: Response to the advice.

Datatype: ["Response12Code"](#) on page 1472

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

26.4.3.3.3 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "ResultDetail5Code" on page 1472

CodeName	Name	Definition
ACTF	AccountNotFound	Account of the cardholder or the customer is not found.
ACQS	AcquirerNotSupported	Acquirer is not supported.
AMLV	AMLValidation	Error on AML (Anti Money Laundering) validation.
AMTA	AmountNotFound	Amount not found.
AUTH	AuthenticationFailed	Cardholder or customer could not be authenticated, for instance due to an incorrect login identification or an incorrect password.
BANK	BankNotFound	Bank not found.
CRDR	CardError	Card error, for instance invalid ARQC (Authorisation ReQuest Cryptogram).
CRDF	CardVerificationFailed	Identification of the card is invalid.
ACTC	ClosedAccount	Account is no more usable for the transaction.
CTVG	CutoverInProgress	Cutover is in progress, transaction could not be processed.
DBER	DatabaseError	Database access error.
FEES	DisputedFees	Transaction fees are disputed by the issuer.
TXNL	ExceededTransactionLifeCycle	Validity period of the transaction is exceeded.
AMTD	DepositAmountLimit	Amount of deposit transactions exceeds the limit.
NMBD	DepositNumberLimit	Number of deposit transactions or items exceeds the limit.
CRDX	ExpiredCard	Card has expired.
FDCL	FallbackDeclined	Issuer declined the fall-back transaction.
FMTR	FormatError	Invalid format of the message or its content.
TXNG	InProgress	Original request is in progress.
FNDI	InsufficientFunds	Account balance is not sufficient.
ACPI	InvalidAcceptor	Issuer denies the acceptor.
AMTI	InvalidAmount	Requested amount is outside the card limits, or the currency is invalid.
ADDI	InvalidAddress	Part of the specified address is incorrect.
BRHI	InvalidBranch	Invalid branch or bank information.

CodeName	Name	Definition
CHDI	InvalidCardholderIdentification	Identification of the cardholder or the customer does not match.
CRDI	InvalidCardNumber	Identification of the card is invalid.
CTFV	InvalidCertificate	Digital certificate cannot be authenticated, is expired or revoked.
AMTO	InvalidOriginalAmount	Original amount is invalid.
PINV	InvalidPIN	PIN is invalid.
TKKO	InvalidToken	Token cannot be used to surrogate a PAN (Primary Account Number).
SGNI	InvalidSignature	Signed message has an invalid signature.
TKID	InvalidTokenIdentification	Identification of the token provider or the token requestor is invalid.
TXNV	InvalidTransaction	Transaction is invalid.
DATI	InvalidTransactionDateTime	Date time of the transaction is invalid.
ISSP	IssuerInoperative	Issuer is inoperative.
ISSF	IssuerNotFound	Issuer is not found.
ISSO	IssuerSignedOff	Transaction could not be processed as Issuer is signed off.
ISST	IssuerTimeOut	Transaction could not be processed as Issuer times out.
ISSU	IssuerUnavailable	Transaction could not be processed as Issuer is unavailable.
KEYS	KeyStorageSaturation	Storage space not available for the key.
LBLA	LiabilityAccepted	Transaction is processed and liability is accepted.
CRDL	LostCard	Card has been declared lost.
MACR	MACError	MAC error.
MACK	MACKeyError	MAC key error.
ICCM	MissingICCDData	ICC data elements required for processing the ICC transaction were not present in the message.
PINN	NewPINInvalid	New PIN is invalid (PIN change).
CRDA	NoCardRecord	No card file record.
LBLU	NoLiabilityAccepted	Transaction is processed, but liability is not accepted.
PINA	NotAbleToValidatePIN	PIN could not be validated.
NPRA	NotPermittedToAcceptor	Process not permitted to the acceptor (for example fall back).
OFFL	OffLineProcess	Transaction has been processed offline by the terminal.

CodeName	Name	Definition
ONLP	OffLineProcessAfterReferral	Transaction has been processed offline after referral.
NPRC	NotPermittedToCardholder	Transaction not permitted to the cardholder or the customer.
TXNM	OriginalDoesNotMatch	Original is found, but transaction does not match.
OTHR	OtherError	Other error.
BALO	OutOfBalance	Out of balance.
SEQO	OutOfSequence	Message is out of sequence.
PINC	PINChangeRequired	Cardholder must change the PIN to be able to perform the transaction.
PIND	PINDataRequired	Additional information are required to verify the PIN.
PINS	PINSecurityError	PIN length or PIN key is invalid.
PINX	PINTriesExceeded	Last attempt of the PIN verification fails.
PINE	PINEncryptionError	Decrypted PIN block is invalid.
QMAX	QueueMaximumExceeded	Store and forward queue maximum exceeded.
RECD	RecurringDataError	Recurring Error on Data.
CRDT	RestrictedCard	Requested service not allowed by the card.
SECV	SecurityViolation	Security violation, for instance invalid ARPC (Authorisation ResPonse Cryptogram).
SRVU	ServiceNotEnabled	Cardholder or customer has not enabled the service with the service provider.
SFWE	SoftwareOrHardwareError	Security software or hardware error.
SPCC	SpecialConditions	Special card conditions not respected.
CRDS	StolenCard	Card has been declared stolen.
SRCH	SurchargeNotPermitted	Surcharging is not permitted.
CNTC	SuspectedCounterfeitCard	Counterfeit card suspected by the issuer or the processor.
FRDS	SuspectedFraud	Fraudulent transaction is suspected by the issuer or the processor.
SYSP	SystemInoperative	Processing temporary not available.
SYSM	SystemMalfunction	System Malfunction.
TRMI	TerminalNotConfigured	Server received a terminal identification that it does not have any knowledge of.
ACTT	ToAccountError	To account status error.
TTLV	TotalsNotAvailable	Totals are not available.
TXNU	TransactionDidNotComplete	Transaction did not complete at the terminal.

CodeName	Name	Definition
TXND	TransactionDuplicate	Transaction identification already used for another transaction.
ORGF	UnableToFindOriginal	Transaction could not be processed as original is not found.
UNBO	UnableToGoOnLine	Transaction cannot be processed online by the terminal.
UNBP	UnableToProcessOffLine	Transaction cannot be processed offline.
UNBC	UnacceptableCurrency	Currency is unacceptable for the Issuer or the processor.
CMKY	UnavailablecommunicationKey	Communication keys are not available.
CRDU	UneffectiveCard	Card is not active yet.
SVSU	UnsupportedService	Requested service not supported.
VNDR	VendorFormatError	Vendor format has an error.
VNDF	VendorNotFound	Vendor not found.
AMTW	WithdrawalAmountLimit	Amount of withdrawal transactions exceeds card limit.
NMBW	WithdrawalNumberLimit	Number of withdrawal transactions exceeds card limit.
CRDW	WrongCard	Other card used for the original transaction.
MEDI	InvalidMediaType	The requested media are not allowed for the service.
SRVI	InvalidService	The requested service is not allowed.
AMMA	AccountMatchesMultipleAccounts	The account details provided in the request message matches multiple accounts.
AGFE	AgreeFee	Consumer must agree fee from those provided to authorise the transaction. See <Tx><AuthstnRsIt><FeeToAdd>.
SACT	SelectAccount	Consumer must select an account from those provided to authorise the transaction. See <Tx><AcctInf>.
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvsElgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

26.4.3.3.4 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

26.4.3.3.5 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		808
	Urgency <Urgcy>	[1..1]	CodeSet		808
	DateTime <DtTm>	[0..1]	DateTime		809
	CommandIdentification <CmdId>	[0..1]	±		809
	CommandParameters <CmdParams>	[0..1]	±		809

26.4.3.3.5.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

26.4.3.3.5.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

CodeName	Name	Definition
DTIM	DateTime	Terminal management system has to be contacted at the date and time provided.
ENCS	EndCustomerSession	After the end of the customer session.

26.4.3.3.5.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

26.4.3.3.5.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

26.4.3.3.5.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

26.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		810
	AuthenticatedData <AuthntcdData>	[1..1]	±		810

26.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

26.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

27 catp.010.001.03 ATMPINManagementRequestV03

27.1 MessageDefinition Functionality

The ATMPINManagementRequest message is sent by an ATM to an ATM manager to request an operation on the cardholder PIN.

Outline

The ATMPINManagementRequestV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMPINManagementRequest
Encrypted body of the message.
- C. ATMPINManagementRequest
Information related to the request of a PIN management from an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

27.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMPINMgmtReq>	[1..1]			
	Header <Hdr>	[1..1]			815
	MessageFunction <MsgFctn>	[1..1]			816
	Function <Fctn>	[1..1]	CodeSet		816
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		818
	HostServiceCode <HstSvcCd>	[0..1]	Text		818
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		818
	ExchangeIdentification <XchgId>	[1..1]	Text		818
	CreationDateTime <CreDtTm>	[1..1]	DateTime		818
	InitiatingParty <InitgPty>	[1..1]	Text		819
	RecipientParty <RcptPty>	[0..1]	Text		819
	ProcessState <PrcStat>	[0..1]	Text		819
	Traceability <Tracblt>	[0..*]			819
	RelayIdentification <RlayId>	[1..1]	±		819
	SequenceNumber <SeqNb>	[0..1]	Text		820
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		820
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		820
	ProtectedATMPINManagementRequest <PrtctdATMPINMgmtReq>	[0..1]	±		820
	ATMPINManagementRequest <ATMPINMgmtReq>	[0..1]			820
	Environment <Envt>	[1..1]			823
	Acquirer <Acqrr>	[0..1]	±		826
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		826
	HostingEntity <HstgNtty>	[0..1]	±		826
	ATM <ATM>	[1..1]			827
	Identification <Id>	[1..1]	Text		829
	AdditionalIdentification <AddtlId>	[0..1]	Text		829
	SequenceNumber <SeqNb>	[0..1]	Text		829
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	829
	Location <Lctn>	[0..1]			829

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		830
	StreetName <StrtNm>	[0..1]	Text		830
	BuildingNumber <BldgNb>	[0..1]	Text		830
	PostCode <PstCd>	[0..1]	Text		830
	TownName <TwnNm>	[1..1]	Text		831
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		831
	Country <Ctry>	[1..1]	CodeSet	C2	831
	GeoLocation <GLctn>	[0..1]			831
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			831
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832
Or}	UTMCoordinates <UTMCordints>	[1..1]			832
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		833
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		833
	Capabilities <Cpblties>	[0..1]	±		833
	Equipment <Eqpmnt>	[0..1]			834
	Manufacturer <Manfctr>	[0..1]	Text		835
	Model <Mdl>	[0..1]	Text		835
	SerialNumber <SrlNb>	[0..1]	Text		835
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		835
	ApplicationName <ApplNm>	[0..1]	Text		835
	ApplicationVersion <ApplVrsn>	[0..1]	Text		836
	ApprovalNumber <ApprvlNb>	[0..1]	Text		836
	ConfigurationParameter <CfgrtnParam>	[0..*]			836
	Type <Tp>	[1..1]	CodeSet		836
	Version <Vrsn>	[1..1]	Text		837
	Customer <Cstmr>	[1..1]			837
	Profile <Prfl>	[0..1]			837
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		838

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		838
	CustomerIdentification <Cstmrlid>	[0..1]	Text		838
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	838
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	839
	Authentication <Authntcn>	[1..*]			839
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		839
	TokenRequested <TknReqd>	[0..1]	Indicator		840
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		840
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		840
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		840
	AuthenticationResult <AuthntcnRslt>	[0..*]			841
	Method <Mtd>	[1..1]	CodeSet		841
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		842
	Result <Rslt>	[0..1]	CodeSet		842
	AdditionalResult <AddtlRslt>	[0..1]	Text		842
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		842
	Card <Card>	[0..1]			842
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		843
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		844
	ProtectedCardData <PrctcdCardData>	[0..1]	±		844
	PlainCardData <PlainCardData>	[0..1]			844
	PAN <PAN>	[0..1]	Text		845
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		845
	EffectiveDate <FctvDt>	[0..1]	Text		845
	ExpiryDate <XpryDt>	[0..1]	Text		845
	ServiceCode <SvcCd>	[0..1]	Text		845
	Track1 <Trck1>	[0..1]	Text		846
	Track2 <Trck2>	[0..1]	Text		846
	Track3 <Trck3>	[0..1]	Text		846
	CardholderName <CrhdldrNm>	[0..1]	Text		846
	CardCountryCode <CardCtryCd>	[0..1]	Text		846

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		846
	Context <Cntxt>	[1..1]			846
	SessionReference <SsnRef>	[0..1]	Text		847
	Service <Svc>	[1..1]			847
	ServiceReference <SvcRef>	[0..1]	Text		847
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		847
	ServiceType <SvcTp>	[1..1]	CodeSet		847
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		848
	Transaction <Tx>	[1..1]			848
	TransactionIdentification <Txld>	[1..1]	±		848
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		848
	CardholderNewPIN <CrhdldrNewPIN>	[0..1]	±		849
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		849
	SecurityTrailer <SctyTrlr>	[0..1]			849
	ContentType <CnttTp>	[1..1]	CodeSet		849
	AuthenticatedData <AuthntcdData>	[1..1]	±		850

27.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

C3 ValidationByTable

Must be a valid terrestrial language.

27.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

27.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			816
	Function <Fctn>	[1..1]	CodeSet		816
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		818
	HostServiceCode <HstSvcCd>	[0..1]	Text		818
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		818
	ExchangeIdentification <XchgId>	[1..1]	Text		818
	CreationDateTime <CreDtTm>	[1..1]	DateTime		818
	InitiatingParty <InitgPty>	[1..1]	Text		819
	RecipientParty <RcptPty>	[0..1]	Text		819
	ProcessState <PrcStat>	[0..1]	Text		819
	Traceability <Tracblt>	[0..*]			819
	RelayIdentification <RlayId>	[1..1]	±		819
	SequenceNumber <SeqNb>	[0..1]	Text		820
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		820
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		820

27.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		816
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		818
	HostServiceCode <HstSvcCd>	[0..1]	Text		818

27.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAP	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

27.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

27.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

27.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

27.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

27.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

27.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

27.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

27.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

27.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		819
	SequenceNumber <SeqNb>	[0..1]	Text		820
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		820
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		820

27.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

27.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

27.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

27.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

27.4.2 ProtectedATMPINManagementRequest <PrtctdATMPINMgmtReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMPINManagementRequest <PrtctdATMPINMgmtReq> contains the following elements
(see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

27.4.3 ATMPINManagementRequest <ATMPINMgmtReq>

Presence: [0..1]

Definition: Information related to the request of a PIN management from an ATM.

ATMPINManagementRequest <ATMPINMgmtReq> contains the following
ATMPINManagementRequest3 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			823
	Acquirer <Acqrr>	[0..1]	±		826
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		826
	HostingEntity <HstgNtty>	[0..1]	±		826
	ATM <ATM>	[1..1]			827
	Identification <Id>	[1..1]	Text		829
	AdditionalIdentification <AddtlId>	[0..1]	Text		829
	SequenceNumber <SeqNb>	[0..1]	Text		829
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	829
	Location <Lctn>	[0..1]			829
	AddressLine <AdrLine>	[0..2]	Text		830
	StreetName <StrtNm>	[0..1]	Text		830
	BuildingNumber <BldgNb>	[0..1]	Text		830
	PostCode <PstCd>	[0..1]	Text		830
	TownName <TwnNm>	[1..1]	Text		831
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		831
	Country <Ctry>	[1..1]	CodeSet	C2	831
	GeoLocation <GLctn>	[0..1]			831
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			831
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832
Or}	UTMCoordinates <UTMCordints>	[1..1]			832
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		833
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		833
	Capabilities <Cpblties>	[0..1]	±		833
	Equipment <Eqpmnt>	[0..1]			834
	Manufacturer <Manfctr>	[0..1]	Text		835
	Model <Mdl>	[0..1]	Text		835

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SerialNumber <SrlNb>	[0..1]	Text		835
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		835
	ApplicationName <ApplNm>	[0..1]	Text		835
	ApplicationVersion <ApplVrsn>	[0..1]	Text		836
	ApprovalNumber <ApprvlNb>	[0..1]	Text		836
	ConfigurationParameter <CfgtnParam>	[0..*]			836
	Type <Tp>	[1..1]	CodeSet		836
	Version <Vrsn>	[1..1]	Text		837
	Customer <Cstmr>	[1..1]			837
	Profile <Prfl>	[0..1]			837
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		838
	ProfileReference <PrflRef>	[0..1]	Text		838
	CustomerIdentification <CstmrlId>	[0..1]	Text		838
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	838
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	839
	Authentication <Authntcn>	[1..*]			839
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		839
	TokenRequested <TknReqd>	[0..1]	Indicator		840
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		840
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		840
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		840
	AuthenticationResult <AuthntcnRslt>	[0..*]			841
	Method <Mtd>	[1..1]	CodeSet		841
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		842
	Result <Rslt>	[0..1]	CodeSet		842
	AdditionalResult <AddtlRslt>	[0..1]	Text		842
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		842
	Card <Card>	[0..1]			842
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		843
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		844
	ProtectedCardData <PrctcdCardData>	[0..1]	±		844

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PlainCardData <PlainCardData>	[0..1]			844
	PAN <PAN>	[0..1]	Text		845
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		845
	EffectiveDate <FctvDt>	[0..1]	Text		845
	ExpiryDate <XpryDt>	[0..1]	Text		845
	ServiceCode <SvcCd>	[0..1]	Text		845
	Track1 <Trck1>	[0..1]	Text		846
	Track2 <Trck2>	[0..1]	Text		846
	Track3 <Trck3>	[0..1]	Text		846
	CardholderName <CrdhldrNm>	[0..1]	Text		846
	CardCountryCode <CardCtryCd>	[0..1]	Text		846
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		846
	Context <Cntxt>	[1..1]			846
	SessionReference <SsnRef>	[0..1]	Text		847
	Service <Svc>	[1..1]			847
	ServiceReference <SvcRef>	[0..1]	Text		847
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		847
	ServiceType <SvcTp>	[1..1]	CodeSet		847
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		848
	Transaction <Tx>	[1..1]			848
	TransactionIdentification <Txld>	[1..1]	±		848
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		848
	CardholderNewPIN <CrdhldrNewPIN>	[0..1]	±		849
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		849

27.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment in which the transaction is performed.

Environment <Envt> contains the following **ATMEnvironment18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		826
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		826
	HostingEntity <HstgNtty>	[0..1]	±		826
	ATM <ATM>	[1..1]			827
	Identification <Id>	[1..1]	Text		829
	AdditionalIdentification <AddtlId>	[0..1]	Text		829
	SequenceNumber <SeqNb>	[0..1]	Text		829
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	829
	Location <Lctn>	[0..1]			829
	AddressLine <AdrLine>	[0..2]	Text		830
	StreetName <StrtNm>	[0..1]	Text		830
	BuildingNumber <BldgNb>	[0..1]	Text		830
	PostCode <PstCd>	[0..1]	Text		830
	TownName <TwnNm>	[1..1]	Text		831
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		831
	Country <Ctry>	[1..1]	CodeSet	C2	831
	GeoLocation <GLctn>	[0..1]			831
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			831
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832
Or}	UTMCoordinates <UTMCordints>	[1..1]			832
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		833
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		833
	Capabilities <Cpblties>	[0..1]	±		833
	Equipment <Eqpmnt>	[0..1]			834
	Manufacturer <Manfctr>	[0..1]	Text		835
	Model <Mdl>	[0..1]	Text		835
	SerialNumber <SrlNb>	[0..1]	Text		835
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		835

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		835
	ApplicationVersion <AppIVrsn>	[0..1]	Text		836
	ApprovalNumber <ApprvINb>	[0..1]	Text		836
	ConfigurationParameter <CfgtnParam>	[0..*]			836
	Type <Tp>	[1..1]	CodeSet		836
	Version <Vrsn>	[1..1]	Text		837
	Customer <Cstmr>	[1..1]			837
	Profile <Prfl>	[0..1]			837
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		838
	ProfileReference <PrflRef>	[0..1]	Text		838
	CustomerIdentification <CstmrlId>	[0..1]	Text		838
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	838
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	839
	Authentication <Authntcn>	[1..*]			839
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		839
	TokenRequested <TknReqd>	[0..1]	Indicator		840
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		840
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		840
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		840
	AuthenticationResult <AuthntcnRslt>	[0..*]			841
	Method <Mtd>	[1..1]	CodeSet		841
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		842
	Result <Rslt>	[0..1]	CodeSet		842
	AdditionalResult <AddtlRslt>	[0..1]	Text		842
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		842
	Card <Card>	[0..1]			842
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		843
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		844
	ProtectedCardData <PrctcdCardData>	[0..1]	±		844
	PlainCardData <PlainCardData>	[0..1]			844
	PAN <PAN>	[0..1]	Text		845

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		845
	EffectiveDate <FctvDt>	[0..1]	Text		845
	ExpiryDate <XpryDt>	[0..1]	Text		845
	ServiceCode <SvcCd>	[0..1]	Text		845
	Track1 <Trck1>	[0..1]	Text		846
	Track2 <Trck2>	[0..1]	Text		846
	Track3 <Trck3>	[0..1]	Text		846
	CardholderName <CrdhldrNm>	[0..1]	Text		846
	CardCountryCode <CardCtryCd>	[0..1]	Text		846
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		846

27.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

27.4.3.1.2 ATMMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "[Max35Text](#)" on page 1483

27.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

27.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		829
	AdditionalIdentification <AddtlId>	[0..1]	Text		829
	SequenceNumber <SeqNb>	[0..1]	Text		829
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	829
	Location <Lctn>	[0..1]			829
	AddressLine <AdrLine>	[0..2]	Text		830
	StreetName <StrtNm>	[0..1]	Text		830
	BuildingNumber <BldgNb>	[0..1]	Text		830
	PostCode <PstCd>	[0..1]	Text		830
	TownName <TwnNm>	[1..1]	Text		831
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		831
	Country <Ctry>	[1..1]	CodeSet	C2	831
	GeoLocation <GLctn>	[0..1]			831
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			831
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832
Or}	UTMCoordinates <UTMCordints>	[1..1]			832
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		833
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		833
	Capabilities <Cpblties>	[0..1]	±		833
	Equipment <Eqpmnt>	[0..1]			834
	Manufacturer <Manfctr>	[0..1]	Text		835
	Model <Mdl>	[0..1]	Text		835
	SerialNumber <SrlNb>	[0..1]	Text		835
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		835
	ApplicationName <ApplNm>	[0..1]	Text		835
	ApplicationVersion <ApplVrsn>	[0..1]	Text		836
	ApprovalNumber <ApprvlNb>	[0..1]	Text		836
	ConfigurationParameter <CfgrtnParam>	[0..*]			836

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		836
	Version <Vrsn>	[1..1]	Text		837

27.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

27.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		830
	StreetName <StrtNm>	[0..1]	Text		830
	BuildingNumber <BldgNb>	[0..1]	Text		830
	PostCode <PstCd>	[0..1]	Text		830
	TownName <TwnNm>	[1..1]	Text		831
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		831
	Country <Ctry>	[1..1]	CodeSet	C2	831
	GeoLocation <GLctn>	[0..1]			831
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			831
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832
Or}	UTMCoordinates <UTMCordints>	[1..1]			832
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		833

27.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

27.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

27.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

27.4.3.1.4.5.4 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 1482

27.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C2 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

27.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			831
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832
Or}	UTMCoordinates <UTMCordints>	[1..1]			832
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		833

27.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		832
	Longitude <Long>	[1..1]	Text		832

27.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

27.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

27.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		832
	UTMEastward <UTMEstwr>	[1..1]	Quantity		832
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		833

27.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

27.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

27.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

27.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

27.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntrctvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

27.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		835
	Model <Mdl>	[0..1]	Text		835
	SerialNumber <SrINb>	[0..1]	Text		835
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		835
	ApplicationName <ApplNm>	[0..1]	Text		835
	ApplicationVersion <ApplVrsn>	[0..1]	Text		836
	ApprovalNumber <ApprvINb>	[0..1]	Text		836
	ConfigurationParameter <CfgtnParam>	[0..*]			836
	Type <Tp>	[1..1]	CodeSet		836
	Version <Vrsn>	[1..1]	Text		837

27.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

27.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		836
	Version <Vrsn>	[1..1]	Text		837

27.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

27.4.3.1.4.8.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

27.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			837
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		838
	ProfileReference <PrflRef>	[0..1]	Text		838
	CustomerIdentification <CstmrlId>	[0..1]	Text		838
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	838
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C3	839
	Authentication <Authntcn>	[1..*]			839
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		839
	TokenRequested <TknReqd>	[0..1]	Indicator		840
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		840
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		840
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		840
	AuthenticationResult <AuthntcnRslt>	[0..*]			841
	Method <Mtd>	[1..1]	CodeSet		841
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		842
	Result <Rslt>	[0..1]	CodeSet		842
	AdditionalResult <AddtlRslt>	[0..1]	Text		842
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		842

27.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		838
	ProfileReference <PrflRef>	[0..1]	Text		838
	CustomerIdentification <CstmrlId>	[0..1]	Text		838
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	838

27.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

27.4.3.1.5.1.2 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

27.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

27.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

27.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

27.4.3.1.5.3 Authentication <Authntcn>

Presence: [1..*]

Definition: Method and data intended to be used for this transaction to authenticate the customer and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		839
	TokenRequested <TknReqd>	[0..1]	Indicator		840
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		840
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		840
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		840

27.4.3.1.5.3.1 AuthenticationMethod <AuthntcnMtd>

Presence: [1..1]

Definition: Method and data intended to be used for this transaction to authenticate the customer or its card.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

27.4.3.1.5.3.2 TokenRequested <TknReqd>

Presence: [0..1]

Definition: True if an authentication token is requested to the host. This token will be provided to the ATM for further authentication.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

27.4.3.1.5.3.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value or token to be used for customer or card authentication.

Datatype: "Max5000Binary" on page 1433

27.4.3.1.5.3.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

27.4.3.1.5.3.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following elements (see "OnLinePIN5" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

27.4.3.1.5.4 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		841
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		842
	Result <Rslt>	[0..1]	CodeSet		842
	AdditionalResult <AddtlRslt>	[0..1]	Text		842
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		842

27.4.3.1.5.4.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

27.4.3.1.5.4.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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

27.4.3.1.5.4.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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

27.4.3.1.5.4.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

27.4.3.1.5.4.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

27.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard36** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		843
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		844
	ProtectedCardData <PrtctdCardData>	[0..1]	±		844
	PlainCardData <PlainCardData>	[0..1]			844
	PAN <PAN>	[0..1]	Text		845
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		845
	EffectiveDate <FctvDt>	[0..1]	Text		845
	ExpiryDate <XpryDt>	[0..1]	Text		845
	ServiceCode <SvcCd>	[0..1]	Text		845
	Track1 <Trck1>	[0..1]	Text		846
	Track2 <Trck2>	[0..1]	Text		846
	Track3 <Trck3>	[0..1]	Text		846
	CardholderName <CrdhldrNm>	[0..1]	Text		846
	CardCountryCode <CardCtryCd>	[0..1]	Text		846
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		846

27.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

27.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicates the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

27.4.3.1.6.3 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 ["ContentInformationType10"](#) on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

27.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		845
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		845
	EffectiveDate <FctvDt>	[0..1]	Text		845
	ExpiryDate <XpryDt>	[0..1]	Text		845
	ServiceCode <SvcCd>	[0..1]	Text		845
	Track1 <Trck1>	[0..1]	Text		846
	Track2 <Trck2>	[0..1]	Text		846
	Track3 <Trck3>	[0..1]	Text		846
	CardholderName <CrdhldrNm>	[0..1]	Text		846

27.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

27.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

27.4.3.1.6.4.3 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 1482

27.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

27.4.3.1.6.4.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1481

27.4.3.1.6.4.6 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 1485

27.4.3.1.6.4.7 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 1483

27.4.3.1.6.4.8 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 1481

27.4.3.1.6.4.9 CardholderName <CrhdldrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1484

27.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

27.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

27.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		847
	Service <Svc>	[1..1]			847
	ServiceReference <SvcRef>	[0..1]	Text		847
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		847
	ServiceType <SvcTp>	[1..1]	CodeSet		847
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		848

27.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

27.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Service <Svc> contains the following **ATMService20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		847
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		847
	ServiceType <SvcTp>	[1..1]	CodeSet		847
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		848

27.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the withdrawal service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

27.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

27.4.3.2.2.3 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType5Code" on page 1451

CodeName	Name	Definition
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.

27.4.3.2.2.4 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

27.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Transaction for which the service is requested.

Transaction <Tx> contains the following **ATMTransaction43** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		848
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		848
	CardholderNewPIN <CrhdldrNewPIN>	[0..1]	±		849
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		849

27.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

27.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM manager.

Datatype: "Max35Text" on page 1483

27.4.3.3.3 CardholderNewPIN <CrdhldrNewPIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderNewPIN <CrdhldrNewPIN> contains the following elements (see "OnLinePIN5" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

27.4.3.3.4 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

27.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		849
	AuthenticatedData <AuthntcdData>	[1..1]	±		850

27.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).

CodeName	Name	Definition
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

27.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

28 **catp.011.001.03** **ATMPINManagementResponseV03**

28.1 **MessageDefinition Functionality**

The ATMPINManagementResponse message is sent by an ATM manager or its agent to the ATM to provide the information and the outcome of the cardholder PIN operation requested in the ATMPINManagementRequest.

Outline

The ATMPINManagementResponseV03 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMPINManagementResponse
Encrypted body of the message.
- C. ATMPINManagementResponse
Information related to the response of an ATM PIN Management from an ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

28.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMPINMgmtRspn>	[1..1]			
	Header <Hdr>	[1..1]			854
	MessageFunction <MsgFctn>	[1..1]			855
	Function <Fctn>	[1..1]	CodeSet		855
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		857
	HostServiceCode <HstSvcCd>	[0..1]	Text		857
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		857
	ExchangeIdentification <XchgId>	[1..1]	Text		857
	CreationDateTime <CreDtTm>	[1..1]	DateTime		857
	InitiatingParty <InitgPty>	[1..1]	Text		858
	RecipientParty <RcptPty>	[0..1]	Text		858
	ProcessState <PrcStat>	[0..1]	Text		858
	Traceability <Tracblt>	[0..*]			858
	RelayIdentification <RlayId>	[1..1]	±		858
	SequenceNumber <SeqNb>	[0..1]	Text		859
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		859
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		859
	ProtectedATMPINManagementResponse <PrtctdATMPINMgmtRspn>	[0..1]	±		859
	ATMPINManagementResponse <ATMPINMgmtRspn>	[0..1]			859
	Environment <Envt>	[1..1]			861
	Acquirer <Acqrr>	[0..1]	±		862
	ATMManager <ATMMgr>	[0..1]	±		863
	HostingEntity <HstgNtty>	[0..1]	±		863
	ATM <ATM>	[1..1]	±		863
	Customer <Cstmr>	[1..1]			864
	Profile <Prfl>	[0..1]			865
	ProfileReference <PrflRef>	[0..1]	Text		865
	CustomerIdentification <CstmrlId>	[0..1]	Text		865
	AuthenticationResult <AuthntcnRslt>	[0..*]			865

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		866
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		866
	Result <Rslt>	[0..1]	CodeSet		867
	AdditionalResult <AddtlRslt>	[0..1]	Text		867
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		867
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	867
	ProtectedCardData <PrctcdCardData>	[0..1]	±		868
	PlainCardData <PlainCardData>	[0..1]			868
	PAN <PAN>	[0..1]	Text		868
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		868
	EffectiveDate <FctvDt>	[0..1]	Text		868
	ExpiryDate <XpryDt>	[0..1]	Text		869
	Track1 <Trck1>	[0..1]	Text		869
	Track2 <Trck2>	[0..1]	Text		869
	Track3 <Trck3>	[0..1]	Text		869
	Context <Cntxt>	[1..1]			869
	SessionReference <SsnRef>	[0..1]	Text		870
	Service <Svc>	[1..1]			870
	ServiceReference <SvcRef>	[0..1]	Text		870
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		870
	HostServiceCode <HstSvcCd>	[0..1]	Text		871
	ServiceType <SvcTp>	[1..1]	CodeSet		871
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		871
	Transaction <Tx>	[1..1]			871
	TransactionIdentification <Txld>	[1..1]	±		872
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		873
	CompletionRequired <CmpltnReqr>	[0..1]	Indicator		873
	TransactionResponse <TxRspn>	[1..1]	±		873
	Action <Actn>	[0..*]			873
	ActionType <ActnTp>	[1..1]	CodeSet		874
	MessageToPresent <MsgToPres>	[0..1]			874

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		875
	Message <Msg>	[0..1]	Text		875
	Reference <Ref>	[0..1]	Text		875
	Device <Dvc>	[0..1]	CodeSet		875
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		876
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		876
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		877
	Command <Cmd>	[0..*]			877
	Type <Tp>	[1..1]	CodeSet		878
	Urgency <Urgcy>	[1..1]	CodeSet		878
	DateTime <DtTm>	[0..1]	DateTime		879
	CommandIdentification <Cmdld>	[0..1]	±		879
	CommandParameters <CmdParams>	[0..1]	±		879
	SecurityTrailer <SctyTrlr>	[0..1]			879
	ContentType <CnttTp>	[1..1]	CodeSet		880
	AuthenticatedData <AuthntcdData>	[1..1]	±		880

28.3 Constraints

C1 ActiveCurrency

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

C2 Country

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

C3 ValidationByTable

Must be a valid terrestrial language.

28.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

28.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			855
	Function <Fctn>	[1..1]	CodeSet		855
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		857
	HostServiceCode <HstSvcCd>	[0..1]	Text		857
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		857
	ExchangeIdentification <XchgId>	[1..1]	Text		857
	CreationDateTime <CreDtTm>	[1..1]	DateTime		857
	InitiatingParty <InitgPty>	[1..1]	Text		858
	RecipientParty <RcptPty>	[0..1]	Text		858
	ProcessState <PrcStat>	[0..1]	Text		858
	Traceability <Tracblt>	[0..*]			858
	RelayIdentification <RlayId>	[1..1]	±		858
	SequenceNumber <SeqNb>	[0..1]	Text		859
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		859
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		859

28.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		855
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		857
	HostServiceCode <HstSvcCd>	[0..1]	Text		857

28.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

28.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

28.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

28.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

28.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

28.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

28.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

28.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

28.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

28.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		858
	SequenceNumber <SeqNb>	[0..1]	Text		859
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		859
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		859

28.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

28.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

28.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

28.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

28.4.2 ProtectedATMPINManagementResponse <PrtctdATMPINMgmtRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMPINManagementResponse <PrtctdATMPINMgmtRspn> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

28.4.3 ATMPINManagementResponse <ATMPINMgmtRspn>

Presence: [0..1]

Definition: Information related to the response of an ATM PIN Management from an ATM manager.

ATMPINManagementResponse <ATMPINMgmtRspn> contains the following
ATMPINManagementResponse3 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			861
	Acquirer <Acqrr>	[0..1]	±		862
	ATMManager <ATMMgr>	[0..1]	±		863
	HostingEntity <HstgNtty>	[0..1]	±		863
	ATM <ATM>	[1..1]	±		863
	Customer <Cstmr>	[1..1]			864
	Profile <Prfl>	[0..1]			865
	ProfileReference <PrflRef>	[0..1]	Text		865
	CustomerIdentification <CstmrlId>	[0..1]	Text		865
	AuthenticationResult <AuthntcnRslt>	[0..*]			865
	Method <Mtd>	[1..1]	CodeSet		866
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		866
	Result <Rslt>	[0..1]	CodeSet		867
	AdditionalResult <AddtlRslt>	[0..1]	Text		867
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		867
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	867
	ProtectedCardData <PrtctdCardData>	[0..1]	±		868
	PlainCardData <PlainCardData>	[0..1]			868
	PAN <PAN>	[0..1]	Text		868
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		868
	EffectiveDate <FctvDt>	[0..1]	Text		868
	ExpiryDate <XpryDt>	[0..1]	Text		869
	Track1 <Trck1>	[0..1]	Text		869
	Track2 <Trck2>	[0..1]	Text		869
	Track3 <Trck3>	[0..1]	Text		869
	Context <Cntxt>	[1..1]			869
	SessionReference <SsnRef>	[0..1]	Text		870
	Service <Svc>	[1..1]			870
	ServiceReference <SvcRef>	[0..1]	Text		870
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		870

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	HostServiceCode <HstSvcCd>	[0..1]	Text		871
	ServiceType <SvcTp>	[1..1]	CodeSet		871
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		871
	Transaction <Tx>	[1..1]			871
	TransactionIdentification <TxId>	[1..1]	±		872
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		873
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		873
	TransactionResponse <TxRspn>	[1..1]	±		873
	Action <Actn>	[0..*]			873
	ActionType <ActnTp>	[1..1]	CodeSet		874
	MessageToPresent <MsgToPres>	[0..1]			874
	Format <Frmt>	[0..1]	CodeSet		875
	Message <Msg>	[0..1]	Text		875
	Reference <Ref>	[0..1]	Text		875
	Device <Dvc>	[0..1]	CodeSet		875
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		876
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		876
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		877
	Command <Cmd>	[0..*]			877
	Type <Tp>	[1..1]	CodeSet		878
	Urgency <Urgcy>	[1..1]	CodeSet		878
	DateTime <DtTm>	[0..1]	DateTime		879
	CommandIdentification <CmdId>	[0..1]	±		879
	CommandParameters <CmdParams>	[0..1]	±		879

28.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the PIN management transaction.

Environment <Envt> contains the following **ATMEnvironment21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		862
	ATMManager <ATMMgr>	[0..1]	±		863
	HostingEntity <HstgNtty>	[0..1]	±		863
	ATM <ATM>	[1..1]	±		863
	Customer <Cstmr>	[1..1]			864
	Profile <Prfl>	[0..1]			865
	ProfileReference <PrflRef>	[0..1]	Text		865
	CustomerIdentification <Cstmrlid>	[0..1]	Text		865
	AuthenticationResult <AuthntcnRslt>	[0..*]			865
	Method <Mtd>	[1..1]	CodeSet		866
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		866
	Result <Rslt>	[0..1]	CodeSet		867
	AdditionalResult <AddtlRslt>	[0..1]	Text		867
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		867
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	867
	ProtectedCardData <PrctcdCardData>	[0..1]	±		868
	PlainCardData <PlainCardData>	[0..1]			868
	PAN <PAN>	[0..1]	Text		868
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		868
	EffectiveDate <FctvDt>	[0..1]	Text		868
	ExpiryDate <XpryDt>	[0..1]	Text		869
	Track1 <Trck1>	[0..1]	Text		869
	Track2 <Trck2>	[0..1]	Text		869
	Track3 <Trck3>	[0..1]	Text		869

28.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

28.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "[Acquirer8](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

28.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

28.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine2" on page 1354 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1355
	AdditionalIdentification <AddtlId>	[0..1]	Text		1355
	SequenceNumber <SeqNb>	[0..1]	Text		1355
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1356
	Location <Lctn>	[0..1]			1356
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

28.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			865
	ProfileReference <PrflRef>	[0..1]	Text		865
	CustomerIdentification <CstmrlId>	[0..1]	Text		865
	AuthenticationResult <AuthntcnRslt>	[0..*]			865
	Method <Mtd>	[1..1]	CodeSet		866
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		866
	Result <Rslt>	[0..1]	CodeSet		867
	AdditionalResult <AddtlRslt>	[0..1]	Text		867
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		867
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C3	867

28.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		865
	CustomerIdentification <CstmrlId>	[0..1]	Text		865

28.4.3.1.5.1.1 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

28.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

28.4.3.1.5.2 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		866
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		866
	Result <Rslt>	[0..1]	CodeSet		867
	AdditionalResult <AddtlRslt>	[0..1]	Text		867
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		867

28.4.3.1.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

28.4.3.1.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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).

CodeName	Name	Definition
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

28.4.3.1.5.2.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

28.4.3.1.5.2.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

28.4.3.1.5.2.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

28.4.3.1.5.3 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

28.4.3.1.6 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Encryption of the sensitive card data.

ProtectedCardData <PrtctdCardData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

28.4.3.1.7 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		868
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		868
	EffectiveDate <FctvDt>	[0..1]	Text		868
	ExpiryDate <XpryDt>	[0..1]	Text		869
	Track1 <Trck1>	[0..1]	Text		869
	Track2 <Trck2>	[0..1]	Text		869
	Track3 <Trck3>	[0..1]	Text		869

28.4.3.1.7.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "[Min8Max28NumericText](#)" on page 1486

28.4.3.1.7.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "[Min2Max3NumericText](#)" on page 1485

28.4.3.1.7.3 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 1482

28.4.3.1.7.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

28.4.3.1.7.5 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 1485

28.4.3.1.7.6 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 1483

28.4.3.1.7.7 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 1481

28.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		870
	Service <Svc>	[1..1]			870
	ServiceReference <SvcRef>	[0..1]	Text		870
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		870
	HostServiceCode <HstSvcCd>	[0..1]	Text		871
	ServiceType <SvcTp>	[1..1]	CodeSet		871
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		871

28.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

28.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Withdrawal service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		870
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		870
	HostServiceCode <HstSvcCd>	[0..1]	Text		871
	ServiceType <SvcTp>	[1..1]	CodeSet		871
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		871

28.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

28.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

28.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

28.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of withdrawal selected by the customer.

Datatype: "ATMServiceType5Code" on page 1451

CodeName	Name	Definition
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.

28.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

28.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Response to the PIN management transaction.

Transaction <Tx> contains the following **ATMTransaction37** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		872
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		873
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		873
	TransactionResponse <TxRspn>	[1..1]	±		873
	Action <Actn>	[0..*]			873
	ActionType <ActnTp>	[1..1]	CodeSet		874
	MessageToPresent <MsgToPres>	[0..1]			874
	Format <Frmt>	[0..1]	CodeSet		875
	Message <Msg>	[0..1]	Text		875
	Reference <Ref>	[0..1]	Text		875
	Device <Dvc>	[0..1]	CodeSet		875
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		876
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		876
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		877
	Command <Cmd>	[0..*]			877
	Type <Tp>	[1..1]	CodeSet		878
	Urgency <Urgcy>	[1..1]	CodeSet		878
	DateTime <DtTm>	[0..1]	DateTime		879
	CommandIdentification <CmdId>	[0..1]	±		879
	CommandParameters <CmdParams>	[0..1]	±		879

28.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on [page 1384](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

28.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

28.4.3.3.3 CompletionRequired <CmpltnReqrd>

Presence: [0..1]

Definition: True if a completion advice has to be sent after the end of the transaction.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

28.4.3.3.4 TransactionResponse <TxRspn>

Presence: [1..1]

Definition: Result of the PIN service.

TransactionResponse <TxRspn> contains the following elements (see "ResponseType12" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

28.4.3.3.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		874
	MessageToPresent <MsgToPres>	[0..1]			874
	Format <Frmt>	[0..1]	CodeSet		875
	Message <Msg>	[0..1]	Text		875
	Reference <Ref>	[0..1]	Text		875
	Device <Dvc>	[0..1]	CodeSet		875
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		876
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		876

28.4.3.3.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

28.4.3.3.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		875
	Message <Msg>	[0..1]	Text		875
	Reference <Ref>	[0..1]	Text		875
	Device <Dvc>	[0..1]	CodeSet		875
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		876

28.4.3.3.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
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.

28.4.3.3.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

28.4.3.3.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

28.4.3.3.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.

CodeName	Name	Definition
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

28.4.3.3.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

28.4.3.3.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMIquiryRequest	Request for an inquiry.
INQP	ATMIquiryResponse	Response to an inquiry request.
KYAP	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.

CodeName	Name	Definition
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

28.4.3.3.6 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

28.4.3.3.7 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		878
	Urgency <Urgcy>	[1..1]	CodeSet		878
	DateTime <DtTm>	[0..1]	DateTime		879
	CommandIdentification <CmdId>	[0..1]	±		879
	CommandParameters <CmdParams>	[0..1]	±		879

28.4.3.3.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

28.4.3.3.7.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

28.4.3.3.7.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODateTime" on page 1478

28.4.3.3.7.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prctr>	[0..1]	Text		1376

28.4.3.3.7.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

28.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

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

28.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

28.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

29 catp.012.001.02 ATMDepositRequestV02

29.1 MessageDefinition Functionality

The ATMDepositRequest message is sent by an ATM to an acquirer or its agent to request the approval of a deposit transaction at an ATM, before or after deposit media inside the ATM.

Outline

The ATMDepositRequestV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMDepositRequest
Encrypted body of the message.
- C. ATMDepositRequest
Information related to the request of a deposit transaction from an ATM.
- D. SecurityTrailer
Trailer of the message containing a MAC.

29.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMDpstReq>	[1..1]			
	Header <Hdr>	[1..1]			888
	MessageFunction <MsgFctn>	[1..1]			889
	Function <Fctn>	[1..1]	CodeSet		889
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		891
	HostServiceCode <HstSvcCd>	[0..1]	Text		891
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		891
	ExchangeIdentification <XchgId>	[1..1]	Text		891
	CreationDateTime <CreDtTm>	[1..1]	DateTime		891
	InitiatingParty <InitgPty>	[1..1]	Text		891
	RecipientParty <RcptPty>	[0..1]	Text		892
	ProcessState <PrcStat>	[0..1]	Text		892
	Traceability <Tracblt>	[0..*]			892
	RelayIdentification <RlayId>	[1..1]	±		892
	SequenceNumber <SeqNb>	[0..1]	Text		892
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		893
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		893
	ProtectedATMDepositRequest <PrtctdATMDpstReq>	[0..1]	±		893
	ATMDepositRequest <ATMDpstReq>	[0..1]			893
	Environment <Envt>	[1..1]			899
	Acquirer <Acqrr>	[0..1]	±		902
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		902
	HostingEntity <HstgNtty>	[0..1]	±		902
	ATM <ATM>	[1..1]			903
	Identification <Id>	[1..1]	Text		905
	AdditionalIdentification <AddtlId>	[0..1]	Text		905
	SequenceNumber <SeqNb>	[0..1]	Text		905
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	905
	Location <Lctn>	[0..1]			905
	AddressLine <AdrLine>	[0..2]	Text		906

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		906
	BuildingNumber <BldgNb>	[0..1]	Text		906
	PostCode <PstCd>	[0..1]	Text		906
	TownName <TwnNm>	[1..1]	Text		907
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		907
	Country <Ctry>	[1..1]	CodeSet	C3	907
	GeoLocation <GLctn>	[0..1]			907
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			907
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908
Or}	UTMCoordinates <UTMCordints>	[1..1]			908
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		909
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		909
	Capabilities <Cpblties>	[0..1]	±		909
	Equipment <Eqpmnt>	[0..1]			910
	Manufacturer <Manfctr>	[0..1]	Text		911
	Model <Mdl>	[0..1]	Text		911
	SerialNumber <SrINb>	[0..1]	Text		911
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		911
	ApplicationName <ApplNm>	[0..1]	Text		911
	ApplicationVersion <ApplVrsn>	[0..1]	Text		912
	ApprovalNumber <ApprvINb>	[0..1]	Text		912
	ConfigurationParameter <CfgrtnParam>	[0..*]			912
	Type <Tp>	[1..1]	CodeSet		912
	Version <Vrsn>	[1..1]	Text		913
	Customer <Cstmr>	[1..1]			913
	Profile <Prfl>	[0..1]			913
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		914
	ProfileReference <PrflRef>	[0..1]	Text		914

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <CstmrlId>	[0..1]	Text		914
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	914
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	915
	Authentication <Authntcn>	[1..*]			915
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		915
	TokenRequested <TknReqd>	[0..1]	Indicator		916
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		916
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		916
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		916
	AuthenticationResult <AuthntcnRsIt>	[0..*]			917
	Method <Mtd>	[1..1]	CodeSet		917
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		918
	Result <RsIt>	[0..1]	CodeSet		918
	AdditionalResult <AddtlRsIt>	[0..1]	Text		918
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		918
	Card <Card>	[0..1]			918
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		919
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		920
	ProtectedCardData <PrtctdCardData>	[0..1]	±		920
	PlainCardData <PlainCardData>	[0..1]			920
	PAN <PAN>	[0..1]	Text		921
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		921
	EffectiveDate <FctvDt>	[0..1]	Text		921
	ExpiryDate <XpryDt>	[0..1]	Text		921
	ServiceCode <SvcCd>	[0..1]	Text		921
	Track1 <Trck1>	[0..1]	Text		922
	Track2 <Trck2>	[0..1]	Text		922
	Track3 <Trck3>	[0..1]	Text		922
	CardholderName <CrhdldrNm>	[0..1]	Text		922
	CardCountryCode <CardCtryCd>	[0..1]	Text		922
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		922

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[1..1]			922
	SessionReference <SsnRef>	[0..1]	Text		923
	Service <Svc>	[0..1]			923
	ServiceReference <SvcRef>	[0..1]	Text		923
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		923
	ServiceType <SvcTp>	[1..1]	CodeSet		924
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		924
	CashBack <CshBck>	[0..1]	Indicator		924
	MultiAccount <MultiAcct>	[0..1]	Indicator		924
	Transaction <Tx>	[1..1]			924
	TransactionIdentification <TxId>	[1..1]	±		927
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		927
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		927
	SubDeposit <SubDpst>	[0..*]			928
	SubDepositIdentification <SubDpstId>	[0..1]	Text		931
	AccountData <AcctData>	[0..*]			931
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		933
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		933
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		933
	AccountName <AcctNm>	[0..1]	Text		934
	AccountOwner <AcctOwnr>	[0..1]			934
	Name <Nm>	[1..1]	Text		935
	Address <Adr>	[1..1]	±		935
	Currency <Ccy>	[0..1]	CodeSet	C1	935
	AccountIdentifier <AcctIdr>	[0..1]			936
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	936
Or	BBAN <BBAN>	[1..1]	IdentifierSet		936
Or	UPIC <UPIC>	[1..1]	IdentifierSet		936
Or	DomesticAccount <DmstAcct>	[1..1]			937
	Identification <Id>	[1..1]	Text		937
Or	MSISDN <MSISDN>	[1..1]	Text		937

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	Email <Email>	[1..1]	Text		937
	CreditReference <CdtRef>	[0..1]	Text		937
	Servicer <Svcr>	[0..1]			937
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	938
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		938
	Balance <Bal>	[0..1]			938
	Amount <Amt>	[1..1]	Amount	C6	939
	Sign <Sgn>	[0..1]	Indicator		939
	Date <Dt>	[0..1]	Date		939
	Label <Lbl>	[0..1]	Text		939
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		939
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		940
	Limits <Lmts>	[0..1]			940
	Currency <Ccy>	[0..1]	CodeSet	C1	941
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		941
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		941
	AdditionalAmount <AddtlAmt>	[0..*]			941
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942
	Label <Lbl>	[0..1]	Text		942
	DepositLimits <DpstLmts>	[0..*]			942
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943
	ProtectedAccountData <PrtctdAcctData>	[0..*]	±		944
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			944
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		944
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		944

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	944
	CashBackAmount <CshBckAmt>	[0..1]	Amount		945
	Fees <Fees>	[0..*]	±		945
	Donation <Dontn>	[0..*]	±		945
	DepositedMedia <DpstdMdia>	[0..*]			945
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		946
	MediaType <MdiaTp>	[1..1]	CodeSet		946
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		947
	MediaItem <Mdialtm>	[1..*]			947
	MediaIdentification <Mdiald>	[0..1]	Text		948
	Count <Cnt>	[0..1]	Quantity		948
	UnitValue <UnitVal>	[0..1]	Amount		948
	Currency <Ccy>	[0..1]	CodeSet	C1	948
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		949
	CodeLine <CdLine>	[0..1]	Text		949
	ScannedValue <ScnndVal>	[0..1]	Amount		949
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		949
	MediaStatus <MdiaSts>	[0..1]	CodeSet		949
	RejectedReason <RjctdRsn>	[0..1]	Text		950
	Reference <Ref>	[0..1]	Text		950
	AdditionalData <AddtlData>	[0..*]			950
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950
	TotalAmount <TtlAmt>	[0..1]	±		950
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		951
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		951
	SecurityTrailer <SctyTrlr>	[0..1]			951
	ContentType <CnttTp>	[1..1]	CodeSet		951
	AuthenticatedData <AuthntcdData>	[1..1]	±		952

29.3 Constraints

C1 **ActiveCurrency**

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

C2 **AnyBIC**

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

C3 **Country**

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

C4 **IBAN**

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

C5 **ValidationByTable**

Must be a valid terrestrial language.

C6 **ValidationByTable**

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

29.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

29.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			889
	Function <Fctn>	[1..1]	CodeSet		889
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		891
	HostServiceCode <HstSvcCd>	[0..1]	Text		891
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		891
	ExchangeIdentification <XchgId>	[1..1]	Text		891
	CreationDateTime <CreDtTm>	[1..1]	DateTime		891
	InitiatingParty <InitgPty>	[1..1]	Text		891
	RecipientParty <RcptPty>	[0..1]	Text		892
	ProcessState <PrcStat>	[0..1]	Text		892
	Traceability <Tracblt>	[0..*]			892
	RelayIdentification <RlayId>	[1..1]	±		892
	SequenceNumber <SeqNb>	[0..1]	Text		892
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		893
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		893

29.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		889
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		891
	HostServiceCode <HstSvcCd>	[0..1]	Text		891

29.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.

CodeName	Name	Definition
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.

CodeName	Name	Definition
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

29.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

29.4.1.1.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

29.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

29.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

29.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

29.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

29.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

29.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

29.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		892
	SequenceNumber <SeqNb>	[0..1]	Text		892
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		893
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		893

29.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

29.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

29.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

29.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

29.4.2 ProtectedATMDepositRequest <PrtctdATMDpstReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDepositRequest <PrtctdATMDpstReq> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

29.4.3 ATMDepositRequest <ATMDpstReq>

Presence: [0..1]

Definition: Information related to the request of a deposit transaction from an ATM.

ATMDepositRequest <ATMDpstReq> contains the following **ATMDepositRequest2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			899
	Acquirer <Acqrr>	[0..1]	±		902
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		902
	HostingEntity <HstgNtty>	[0..1]	±		902
	ATM <ATM>	[1..1]			903
	Identification <Id>	[1..1]	Text		905
	AdditionalIdentification <AddtlId>	[0..1]	Text		905
	SequenceNumber <SeqNb>	[0..1]	Text		905
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	905
	Location <Lctn>	[0..1]			905
	AddressLine <AdrLine>	[0..2]	Text		906
	StreetName <StrtNm>	[0..1]	Text		906
	BuildingNumber <BldgNb>	[0..1]	Text		906
	PostCode <PstCd>	[0..1]	Text		906
	TownName <TwnNm>	[1..1]	Text		907
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		907
	Country <Ctry>	[1..1]	CodeSet	C3	907
	GeoLocation <GLctn>	[0..1]			907
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			907
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908
Or}	UTMCoordinates <UTMCordints>	[1..1]			908
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		909
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		909
	Capabilities <Cpblties>	[0..1]	±		909
	Equipment <Eqpmnt>	[0..1]			910
	Manufacturer <Manfctr>	[0..1]	Text		911
	Model <Mdl>	[0..1]	Text		911
	SerialNumber <SrlNb>	[0..1]	Text		911

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationProvider <AppIPrvdr>	[0..1]	Text		911
	ApplicationName <AppINm>	[0..1]	Text		911
	ApplicationVersion <AppIVrsn>	[0..1]	Text		912
	ApprovalNumber <ApprvINb>	[0..1]	Text		912
	ConfigurationParameter <CfgrtnParam>	[0..*]			912
	Type <Tp>	[1..1]	CodeSet		912
	Version <Vrsn>	[1..1]	Text		913
	Customer <Cstmr>	[1..1]			913
	Profile <Prfl>	[0..1]			913
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		914
	ProfileReference <PrflRef>	[0..1]	Text		914
	CustomerIdentification <Cstmrlid>	[0..1]	Text		914
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	914
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	915
	Authentication <Authntcn>	[1..*]			915
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		915
	TokenRequested <TknReqd>	[0..1]	Indicator		916
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		916
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		916
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		916
	AuthenticationResult <AuthntcnRslt>	[0..*]			917
	Method <Mtd>	[1..1]	CodeSet		917
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		918
	Result <Rslt>	[0..1]	CodeSet		918
	AdditionalResult <AddtlRslt>	[0..1]	Text		918
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		918
	Card <Card>	[0..1]			918
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		919
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		920
	ProtectedCardData <PrctcdCardData>	[0..1]	±		920
	PlainCardData <PlainCardData>	[0..1]			920

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		921
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		921
	EffectiveDate <FctvDt>	[0..1]	Text		921
	ExpiryDate <XpryDt>	[0..1]	Text		921
	ServiceCode <SvcCd>	[0..1]	Text		921
	Track1 <Trck1>	[0..1]	Text		922
	Track2 <Trck2>	[0..1]	Text		922
	Track3 <Trck3>	[0..1]	Text		922
	CardholderName <CrdhldrNm>	[0..1]	Text		922
	CardCountryCode <CardCtryCd>	[0..1]	Text		922
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		922
	Context <Cntxt>	[1..1]			922
	SessionReference <SsnRef>	[0..1]	Text		923
	Service <Svc>	[0..1]			923
	ServiceReference <SvcRef>	[0..1]	Text		923
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		923
	ServiceType <SvcTp>	[1..1]	CodeSet		924
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		924
	CashBack <CshBck>	[0..1]	Indicator		924
	MultiAccount <MultiAcct>	[0..1]	Indicator		924
	Transaction <Tx>	[1..1]			924
	TransactionIdentification <Txld>	[1..1]	±		927
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		927
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		927
	SubDeposit <SubDpst>	[0..*]			928
	SubDepositIdentification <SubDpstld>	[0..1]	Text		931
	AccountData <AcctData>	[0..*]			931
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		933
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		933
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		933
	AccountName <AcctNm>	[0..1]	Text		934

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountOwner <AcctOwnr>	[0..1]			934
	Name <Nm>	[1..1]	Text		935
	Address <Adr>	[1..1]	±		935
	Currency <Ccy>	[0..1]	CodeSet	C1	935
	AccountIdentifier <AcctIdr>	[0..1]			936
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	936
Or	BBAN <BBAN>	[1..1]	IdentifierSet		936
Or	UPIC <UPIC>	[1..1]	IdentifierSet		936
Or	DomesticAccount <DmstAcct>	[1..1]			937
	Identification <Id>	[1..1]	Text		937
Or	MSISDN <MSISDN>	[1..1]	Text		937
Or}	Email <Email>	[1..1]	Text		937
	CreditReference <CdtRef>	[0..1]	Text		937
	Servicer <Svcr>	[0..1]			937
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	938
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		938
	Balance <Bal>	[0..1]			938
	Amount <Amt>	[1..1]	Amount	C6	939
	Sign <Sgn>	[0..1]	Indicator		939
	Date <Dt>	[0..1]	Date		939
	Label <Lbl>	[0..1]	Text		939
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		939
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		940
	Limits <Lmts>	[0..1]			940
	Currency <Ccy>	[0..1]	CodeSet	C1	941
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		941
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		941
	AdditionalAmount <AddtlAmt>	[0..*]			941
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Label <Lbl>	[0..1]	Text		942
	DepositLimits <DpstLmts>	[0..*]			942
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943
	ProtectedAccountData <PrtctdAcctData>	[0..*]	±		944
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			944
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		944
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		944
	Currency <Ccy>	[0..1]	CodeSet	C1	944
	CashBackAmount <CshBckAmt>	[0..1]	Amount		945
	Fees <Fees>	[0..*]	±		945
	Donation <Dontr>	[0..*]	±		945
	DepositedMedia <DpstdMdia>	[0..*]			945
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		946
	MediaType <MdiaTp>	[1..1]	CodeSet		946
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		947
	MediaItem <MdiaItm>	[1..*]			947
	MediaIdentification <MdiaId>	[0..1]	Text		948
	Count <Cnt>	[0..1]	Quantity		948
	UnitValue <UnitVal>	[0..1]	Amount		948
	Currency <Ccy>	[0..1]	CodeSet	C1	948
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		949
	CodeLine <CdLine>	[0..1]	Text		949
	ScannedValue <ScnndVal>	[0..1]	Amount		949
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		949
	MediaStatus <MdiaSts>	[0..1]	CodeSet		949
	RejectedReason <RjctdRsn>	[0..1]	Text		950
	Reference <Ref>	[0..1]	Text		950

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalData <AddtlData>	[0..*]			950
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950
	TotalAmount <TtlAmt>	[0..1]	±		950
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		951
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		951

29.4.3.1 Environment <Env>

Presence: [1..1]

Definition: Environment in which the transaction is performed.

Environment <Envt> contains the following **ATMEnvironment18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		902
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		902
	HostingEntity <HstgNtty>	[0..1]	±		902
	ATM <ATM>	[1..1]			903
	Identification <Id>	[1..1]	Text		905
	AdditionalIdentification <AddtlId>	[0..1]	Text		905
	SequenceNumber <SeqNb>	[0..1]	Text		905
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	905
	Location <Lctn>	[0..1]			905
	AddressLine <AdrLine>	[0..2]	Text		906
	StreetName <StrtNm>	[0..1]	Text		906
	BuildingNumber <BldgNb>	[0..1]	Text		906
	PostCode <PstCd>	[0..1]	Text		906
	TownName <TwnNm>	[1..1]	Text		907
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		907
	Country <Ctry>	[1..1]	CodeSet	C3	907
	GeoLocation <GLctn>	[0..1]			907
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			907
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908
Or}	UTMCoordinates <UTMCordints>	[1..1]			908
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		909
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		909
	Capabilities <Cpblties>	[0..1]	±		909
	Equipment <Eqpmnt>	[0..1]			910
	Manufacturer <Manfctr>	[0..1]	Text		911
	Model <Mdl>	[0..1]	Text		911
	SerialNumber <SrlNb>	[0..1]	Text		911
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		911

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		911
	ApplicationVersion <AppVrsn>	[0..1]	Text		912
	ApprovalNumber <ApprvINb>	[0..1]	Text		912
	ConfigurationParameter <CfgtnParam>	[0..*]			912
	Type <Tp>	[1..1]	CodeSet		912
	Version <Vrsn>	[1..1]	Text		913
	Customer <Cstmr>	[1..1]			913
	Profile <Prfl>	[0..1]			913
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		914
	ProfileReference <PrflRef>	[0..1]	Text		914
	CustomerIdentification <CstmrlId>	[0..1]	Text		914
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	914
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	915
	Authentication <Authntcn>	[1..*]			915
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		915
	TokenRequested <TknReqd>	[0..1]	Indicator		916
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		916
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		916
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		916
	AuthenticationResult <AuthntcnRslt>	[0..*]			917
	Method <Mtd>	[1..1]	CodeSet		917
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		918
	Result <Rslt>	[0..1]	CodeSet		918
	AdditionalResult <AddtlRslt>	[0..1]	Text		918
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		918
	Card <Card>	[0..1]			918
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		919
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		920
	ProtectedCardData <PrtctdCardData>	[0..1]	±		920
	PlainCardData <PlainCardData>	[0..1]			920
	PAN <PAN>	[0..1]	Text		921

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		921
	EffectiveDate <FctvDt>	[0..1]	Text		921
	ExpiryDate <XpryDt>	[0..1]	Text		921
	ServiceCode <SvcCd>	[0..1]	Text		921
	Track1 <Trck1>	[0..1]	Text		922
	Track2 <Trck2>	[0..1]	Text		922
	Track3 <Trck3>	[0..1]	Text		922
	CardholderName <CrhdldrNm>	[0..1]	Text		922
	CardCountryCode <CardCtryCd>	[0..1]	Text		922
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		922

29.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

29.4.3.1.2 ATMMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "[Max35Text](#)" on page 1483

29.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

29.4.3.1.4 ATM <ATM>

Presence: [1..1]
Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		905
	AdditionalIdentification <AddtlId>	[0..1]	Text		905
	SequenceNumber <SeqNb>	[0..1]	Text		905
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	905
	Location <Lctn>	[0..1]			905
	AddressLine <AdrLine>	[0..2]	Text		906
	StreetName <StrtNm>	[0..1]	Text		906
	BuildingNumber <BldgNb>	[0..1]	Text		906
	PostCode <PstCd>	[0..1]	Text		906
	TownName <TwnNm>	[1..1]	Text		907
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		907
	Country <Ctry>	[1..1]	CodeSet	C3	907
	GeoLocation <GLctn>	[0..1]			907
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			907
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908
Or}	UTMCoordinates <UTMCordints>	[1..1]			908
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		909
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		909
	Capabilities <Cpblties>	[0..1]	±		909
	Equipment <Eqpmnt>	[0..1]			910
	Manufacturer <Manfctr>	[0..1]	Text		911
	Model <Mdl>	[0..1]	Text		911
	SerialNumber <SrlNb>	[0..1]	Text		911
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		911
	ApplicationName <ApplNm>	[0..1]	Text		911
	ApplicationVersion <ApplVrsn>	[0..1]	Text		912
	ApprovalNumber <ApprvlNb>	[0..1]	Text		912
	ConfigurationParameter <CfgrtnParam>	[0..*]			912

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		912
	Version <Vrsn>	[1..1]	Text		913

29.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

29.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		906
	StreetName <StrtNm>	[0..1]	Text		906
	BuildingNumber <BldgNb>	[0..1]	Text		906
	PostCode <PstCd>	[0..1]	Text		906
	TownName <TwnNm>	[1..1]	Text		907
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		907
	Country <Ctry>	[1..1]	CodeSet	C3	907
	GeoLocation <GLctn>	[0..1]			907
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			907
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908
Or}	UTMCoordinates <UTMCordints>	[1..1]			908
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		909

29.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

29.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

29.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

29.4.3.1.4.5.4 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 1482

29.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

29.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			907
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908
Or}	UTMCoordinates <UTMCordints>	[1..1]			908
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		909

29.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		908
	Longitude <Long>	[1..1]	Text		908

29.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

29.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

29.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		908
	UTMEastward <UTMEstwr>	[1..1]	Quantity		908
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		909

29.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

29.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

29.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

29.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

29.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntrctvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

29.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		911
	Model <Mdl>	[0..1]	Text		911
	SerialNumber <SrINb>	[0..1]	Text		911
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		911
	ApplicationName <ApplNm>	[0..1]	Text		911
	ApplicationVersion <ApplVrsn>	[0..1]	Text		912
	ApprovalNumber <ApprvINb>	[0..1]	Text		912
	ConfigurationParameter <CfgtnParam>	[0..*]			912
	Type <Tp>	[1..1]	CodeSet		912
	Version <Vrsn>	[1..1]	Text		913

29.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

29.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		912
	Version <Vrsn>	[1..1]	Text		913

29.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

29.4.3.1.4.8.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

29.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			913
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		914
	ProfileReference <PrflRef>	[0..1]	Text		914
	CustomerIdentification <CstmrlId>	[0..1]	Text		914
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	914
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	915
	Authentication <Authntcn>	[1..*]			915
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		915
	TokenRequested <TknReqd>	[0..1]	Indicator		916
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		916
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		916
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		916
	AuthenticationResult <AuthntcnRslt>	[0..*]			917
	Method <Mtd>	[1..1]	CodeSet		917
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		918
	Result <Rslt>	[0..1]	CodeSet		918
	AdditionalResult <AddtlRslt>	[0..1]	Text		918
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		918

29.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		914
	ProfileReference <PrflRef>	[0..1]	Text		914
	CustomerIdentification <CstmrlId>	[0..1]	Text		914
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	914

29.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

29.4.3.1.5.1.2 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

29.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

29.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

29.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

29.4.3.1.5.3 Authentication <Authntcn>

Presence: [1..*]

Definition: Method and data intended to be used for this transaction to authenticate the customer and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		915
	TokenRequested <TknReqd>	[0..1]	Indicator		916
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		916
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		916
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		916

29.4.3.1.5.3.1 AuthenticationMethod <AuthntcnMtd>

Presence: [1..1]

Definition: Method and data intended to be used for this transaction to authenticate the customer or its card.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

29.4.3.1.5.3.2 TokenRequested <TknReqd>

Presence: [0..1]

Definition: True if an authentication token is requested to the host. This token will be provided to the ATM for further authentication.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

29.4.3.1.5.3.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value or token to be used for customer or card authentication.

Datatype: ["Max5000Binary"](#) on page 1433

29.4.3.1.5.3.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see ["ContentInformationType10"](#) on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

29.4.3.1.5.3.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following elements (see "OnLinePIN5" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

29.4.3.1.5.4 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		917
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		918
	Result <Rslt>	[0..1]	CodeSet		918
	AdditionalResult <AddtlRslt>	[0..1]	Text		918
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		918

29.4.3.1.5.4.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

29.4.3.1.5.4.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

29.4.3.1.5.4.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

29.4.3.1.5.4.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

29.4.3.1.5.4.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

29.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard36** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		919
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		920
	ProtectedCardData <PrctcdCardData>	[0..1]	±		920
	PlainCardData <PlainCardData>	[0..1]			920
	PAN <PAN>	[0..1]	Text		921
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		921
	EffectiveDate <FctvDt>	[0..1]	Text		921
	ExpiryDate <XpryDt>	[0..1]	Text		921
	ServiceCode <SvcCd>	[0..1]	Text		921
	Track1 <Trck1>	[0..1]	Text		922
	Track2 <Trck2>	[0..1]	Text		922
	Track3 <Trck3>	[0..1]	Text		922
	CardholderName <CrhdldrNm>	[0..1]	Text		922
	CardCountryCode <CardCtryCd>	[0..1]	Text		922
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		922

29.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

29.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicates the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

29.4.3.1.6.3 ProtectedCardData <PrctcdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrctcdCardData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

29.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		921
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		921
	EffectiveDate <FctvDt>	[0..1]	Text		921
	ExpiryDate <XpryDt>	[0..1]	Text		921
	ServiceCode <SvcCd>	[0..1]	Text		921
	Track1 <Trck1>	[0..1]	Text		922
	Track2 <Trck2>	[0..1]	Text		922
	Track3 <Trck3>	[0..1]	Text		922
	CardholderName <CrdhldrNm>	[0..1]	Text		922

29.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

29.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

29.4.3.1.6.4.3 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 1482

29.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

29.4.3.1.6.4.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1481

29.4.3.1.6.4.6 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 1485

29.4.3.1.6.4.7 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 1483

29.4.3.1.6.4.8 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 1481

29.4.3.1.6.4.9 CardholderName <CrhdlrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1484

29.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

29.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

29.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the deposit transaction is performed.

Context <Cntxt> contains the following **ATMContext10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		923
	Service <Svc>	[0..1]			923
	ServiceReference <SvcRef>	[0..1]	Text		923
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		923
	ServiceType <SvcTp>	[1..1]	CodeSet		924
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		924
	CashBack <CshBck>	[0..1]	Indicator		924
	MultiAccount <MultiAcct>	[0..1]	Indicator		924

29.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

29.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Deposit service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		923
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		923
	ServiceType <SvcTp>	[1..1]	CodeSet		924
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		924
	CashBack <CshBck>	[0..1]	Indicator		924
	MultiAccount <MultiAcct>	[0..1]	Indicator		924

29.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the deposit service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

29.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

29.4.3.2.2.3 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of deposit service selected by the customer.

Datatype: "ATMServiceType6Code" on page 1451

CodeName	Name	Definition
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.

29.4.3.2.2.4 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

29.4.3.2.2.5 CashBack <CshBck>

Presence: [0..1]

Definition: True if deposit with cash back transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

29.4.3.2.2.6 MultiAccount <MultiAcct>

Presence: [0..1]

Definition: True if the deposit transaction is split in multiple accounts.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

29.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Deposit transaction for which the service is requested.

Transaction <Tx> contains the following **ATMTransaction50** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		927
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		927
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		927
	SubDeposit <SubDpst>	[0..*]			928
	SubDepositIdentification <SubDpstId>	[0..1]	Text		931
	AccountData <AcctData>	[0..*]			931
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		933
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		933
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		933
	AccountName <AcctNm>	[0..1]	Text		934
	AccountOwner <AcctOwnr>	[0..1]			934
	Name <Nm>	[1..1]	Text		935
	Address <Adr>	[1..1]	±		935
	Currency <Ccy>	[0..1]	CodeSet	C1	935
	AccountIdentifier <AcctIdr>	[0..1]			936
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	936
Or	BBAN <BBAN>	[1..1]	IdentifierSet		936
Or	UPIC <UPIC>	[1..1]	IdentifierSet		936
Or	DomesticAccount <DmstAcct>	[1..1]			937
	Identification <Id>	[1..1]	Text		937
Or	MSISDN <MSISDN>	[1..1]	Text		937
Or}	Email <Email>	[1..1]	Text		937
	CreditReference <CdtRef>	[0..1]	Text		937
	Servicer <Svcr>	[0..1]			937
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	938
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		938
	Balance <Bal>	[0..1]			938
	Amount <Amt>	[1..1]	Amount	C6	939
	Sign <Sgn>	[0..1]	Indicator		939
	Date <Dt>	[0..1]	Date		939
	Label <Labl>	[0..1]	Text		939

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		939
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		940
	Limits <Lmts>	[0..1]			940
	Currency <Ccy>	[0..1]	CodeSet	C1	941
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		941
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		941
	AdditionalAmount <AddtlAmt>	[0..*]			941
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942
	Label <Lbl>	[0..1]	Text		942
	DepositLimits <DpstLmts>	[0..*]			942
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943
	ProtectedAccountData <PrctdAcctData>	[0..*]	±		944
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			944
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		944
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		944
	Currency <Ccy>	[0..1]	CodeSet	C1	944
	CashBackAmount <CshBckAmt>	[0..1]	Amount		945
	Fees <Fees>	[0..*]	±		945
	Donation <Dontn>	[0..*]	±		945
	DepositedMedia <DpstdMdia>	[0..*]			945
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		946
	MediaType <MdiaTp>	[1..1]	CodeSet		946
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		947
	MediaItem <Mdialtm>	[1..*]			947
	MediaIdentification <Mdiald>	[0..1]	Text		948

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Count <Cnt>	[0..1]	Quantity		948
	UnitValue <UnitVal>	[0..1]	Amount		948
	Currency <Ccy>	[0..1]	CodeSet	C1	948
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		949
	CodeLine <CdLine>	[0..1]	Text		949
	ScannedValue <ScnndVal>	[0..1]	Amount		949
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		949
	MediaStatus <MdiaSts>	[0..1]	CodeSet		949
	RejectedReason <RjctdRsn>	[0..1]	Text		950
	Reference <Ref>	[0..1]	Text		950
	AdditionalData <AddtlData>	[0..*]			950
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950
	TotalAmount <TtlAmt>	[0..1]	±		950
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		951
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		951

29.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

29.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

29.4.3.3.3 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Total requested amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4 SubDeposit <SubDpst>

Presence: [0..*]

Definition: Set of deposit transactions.

SubDeposit <SubDpst> contains the following **ATMDepositComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubDepositIdentification <SubDpstId>	[0..1]	Text		931
	AccountData <AcctData>	[0..*]			931
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		933
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		933
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		933
	AccountName <AcctNm>	[0..1]	Text		934
	AccountOwner <AcctOwnr>	[0..1]			934
	Name <Nm>	[1..1]	Text		935
	Address <Adr>	[1..1]	±		935
	Currency <Ccy>	[0..1]	CodeSet	C1	935
	AccountIdentifier <AcctIdr>	[0..1]			936
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	936
Or	BBAN <BBAN>	[1..1]	IdentifierSet		936
Or	UPIC <UPIC>	[1..1]	IdentifierSet		936
Or	DomesticAccount <DmstAcct>	[1..1]			937
	Identification <Id>	[1..1]	Text		937
Or	MSISDN <MSISDN>	[1..1]	Text		937
Or}	Email <Email>	[1..1]	Text		937
	CreditReference <CdtRef>	[0..1]	Text		937
	Servicer <Svcr>	[0..1]			937
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	938
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		938
	Balance <Bal>	[0..1]			938
	Amount <Amt>	[1..1]	Amount	C6	939
	Sign <Sgn>	[0..1]	Indicator		939
	Date <Dt>	[0..1]	Date		939
	Label <Labl>	[0..1]	Text		939
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		939
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		940
	Limits <Lmts>	[0..1]			940
	Currency <Ccy>	[0..1]	CodeSet	C1	941

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		941
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		941
	AdditionalAmount <AddtlAmt>	[0..*]			941
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942
	Label <Lbl>	[0..1]	Text		942
	DepositLimits <DpstLmts>	[0..*]			942
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943
	ProtectedAccountData <PrctcdAcctData>	[0..*]	±		944
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			944
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		944
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		944
	Currency <Ccy>	[0..1]	CodeSet	C1	944
	CashBackAmount <CshBckAmt>	[0..1]	Amount		945
	Fees <Fees>	[0..*]	±		945
	Donation <Dontn>	[0..*]	±		945
	DepositedMedia <DpstdMdia>	[0..*]			945
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		946
	MediaType <MdiaTp>	[1..1]	CodeSet		946
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		947
	MediaItem <Mdialtm>	[1..*]			947
	MediaIdentification <Mdiald>	[0..1]	Text		948
	Count <Cnt>	[0..1]	Quantity		948
	UnitValue <UnitVal>	[0..1]	Amount		948
	Currency <Ccy>	[0..1]	CodeSet	C1	948
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		949

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CodeLine <CdLine>	[0..1]	Text		949
	ScannedValue <ScnndVal>	[0..1]	Amount		949
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		949
	MediaStatus <MdiaSts>	[0..1]	CodeSet		949
	RejectedReason <RjctdRsn>	[0..1]	Text		950
	Reference <Ref>	[0..1]	Text		950
	AdditionalData <AddtlData>	[0..*]			950
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950

29.4.3.3.4.1 SubDepositIdentification <SubDpstId>

Presence: [0..1]

Definition: Identification of the deposit transaction in a sequence of deposit transactions.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.2 AccountData <AcctData>

Presence: [0..*]

Definition: Information related to the creditor's account.

AccountData <AcctData> contains the following **CardAccount21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		933
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		933
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		933
	AccountName <AcctNm>	[0..1]	Text		934
	AccountOwner <AcctOwnr>	[0..1]			934
	Name <Nm>	[1..1]	Text		935
	Address <Adr>	[1..1]	±		935
	Currency <Ccy>	[0..1]	CodeSet	C1	935
	AccountIdentifier <AcctIdr>	[0..1]			936
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	936
Or	BBAN <BBAN>	[1..1]	IdentifierSet		936
Or	UPIC <UPIC>	[1..1]	IdentifierSet		936
Or	DomesticAccount <DmstAcct>	[1..1]			937
	Identification <Id>	[1..1]	Text		937
Or	MSISDN <MSISDN>	[1..1]	Text		937
Or}	Email <Email>	[1..1]	Text		937
	CreditReference <CdtRef>	[0..1]	Text		937
	Servicer <Svcr>	[0..1]			937
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	938
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		938
	Balance <Bal>	[0..1]			938
	Amount <Amt>	[1..1]	Amount	C6	939
	Sign <Sgn>	[0..1]	Indicator		939
	Date <Dt>	[0..1]	Date		939
	Label <Lbl>	[0..1]	Text		939
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		939
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		940
	Limits <Lmts>	[0..1]			940
	Currency <Ccy>	[0..1]	CodeSet	C1	941
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		941
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		941

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]			941
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942
	Label <Lbl>	[0..1]	Text		942
	DepositLimits <DpstLmts>	[0..*]			942
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943

29.4.3.3.4.2.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Sequence number of the account data for multi-account deposit.

Datatype: "Number" on page 1480

29.4.3.3.4.2.2 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

29.4.3.3.4.2.3 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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.

29.4.3.3.4.2.4 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

29.4.3.3.4.2.5 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		935
	Address <Adr>	[1..1]	±		935

29.4.3.3.4.2.5.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

29.4.3.3.4.2.5.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

29.4.3.3.4.2.6 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- ActiveCurrency**

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

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

29.4.3.3.4.2.7 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	936
Or	BBAN <BBAN>	[1..1]	IdentifierSet		936
Or	UPIC <UPIC>	[1..1]	IdentifierSet		936
Or	DomesticAccount <DmstAcct>	[1..1]			937
	Identification <Id>	[1..1]	Text		937
Or	MSISDN <MSISDN>	[1..1]	Text		937
Or}	Email <Email>	[1..1]	Text		937

29.4.3.3.4.2.7.1 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 1479

Constraints

- **IBAN**

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

29.4.3.3.4.2.7.2 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 1479

29.4.3.3.4.2.7.3 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: "UPIIdentifier" on page 1480

29.4.3.3.4.2.7.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		937

29.4.3.3.4.2.7.4.1 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 1483

29.4.3.3.4.2.7.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

29.4.3.3.4.2.7.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

29.4.3.3.4.2.8 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

29.4.3.3.4.2.9 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	938
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		938

29.4.3.3.4.2.9.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

29.4.3.3.4.2.9.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

29.4.3.3.4.2.10 Balance <Bal>

Presence: [0..1]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	939
	Sign <Sgn>	[0..1]	Indicator		939
	Date <Dt>	[0..1]	Date		939
	Label <Labl>	[0..1]	Text		939

29.4.3.3.4.2.10.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

29.4.3.3.4.2.10.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

29.4.3.3.4.2.10.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

29.4.3.3.4.2.10.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.2.11 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

29.4.3.3.4.2.12 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

29.4.3.3.4.2.13 Limits <Lmts>

Presence: [0..1]

Definition: Limit of amounts for the customer.

Limits <Lmts> contains the following **ATMTransactionAmounts11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	941
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		941
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		941
	AdditionalAmount <AddtlAmt>	[0..*]			941
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942
	Label <Lbl>	[0..1]	Text		942
	DepositLimits <DpstLmts>	[0..*]			942
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943

29.4.3.3.4.2.13.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

29.4.3.3.4.2.13.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.2.13.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.2.13.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		941
	Amount <Amt>	[1..1]	Amount		941
	Currency <Ccy>	[0..1]	CodeSet	C1	942
	Label <Labl>	[0..1]	Text		942

29.4.3.3.4.2.13.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

29.4.3.3.4.2.13.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.2.13.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

29.4.3.3.4.2.13.4.4 Label <Lbl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.2.13.5 DepositLimits <DpstLmts>

Presence: [0..*]

Definition: Limit of deposited media for the customer.

DepositLimits <DpstLmts> contains the following **ATMTransactionAmounts10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[1..1]	CodeSet		942
	Currency <Ccy>	[0..1]	CodeSet	C1	943
	MinimumNumber <MinNb>	[0..1]	Quantity		943
	MaximumNumber <MaxNb>	[0..1]	Quantity		943
	DisplayFlag <DispFlg>	[0..1]	Indicator		943

29.4.3.3.4.2.13.5.1 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.

CodeName	Name	Definition
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

29.4.3.3.4.2.13.5.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

29.4.3.3.4.2.13.5.3 MinimumNumber <MinNb>

Presence: [0..1]

Definition: Minimum number of media.

Datatype: "Number" on page 1480

29.4.3.3.4.2.13.5.4 MaximumNumber <MaxNb>

Presence: [0..1]

Definition: Maximum number of media.

Datatype: "Number" on page 1480

29.4.3.3.4.2.13.5.5 DisplayFlag <DispFlg>

Presence: [0..1]

Definition: True if limits may be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

29.4.3.3.4.3 ProtectedAccountData <PrtctdAcctData>

Presence: [0..*]

Definition: Secured account information.

ProtectedAccountData <PrtctdAcctData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

29.4.3.3.4.4 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..*]

Definition: Amounts of the deposit transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following **DetailedAmount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		944
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		944
	Currency <Ccy>	[0..1]	CodeSet	C1	944
	CashBackAmount <CshBckAmt>	[0..1]	Amount		945
	Fees <Fees>	[0..*]	±		945
	Donation <Dontn>	[0..*]	±		945

29.4.3.3.4.4.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

29.4.3.3.4.4.2 AmountToDeposit <AmtToDpst>

Presence: [0..1]

Definition: Amount of the deposit to be made on the ATM after the approval of the deposit transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to deposit when different from the base currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

29.4.3.3.4.4.4 CashBackAmount <CshBckAmt>

Presence: [0..1]

Definition: Cashback amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.4.5 Fees <Fees>

Presence: [0..*]

Definition: Deposit fees, accepted by the customer.

Fees <Fees> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

29.4.3.3.4.4.6 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

29.4.3.3.4.5 DepositedMedia <DpstdMdia>

Presence: [0..*]

Definition: Set of deposited media put in the safe.

DepositedMedia <DpstdMdia> contains the following **ATMDepositedMedia4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		946
	MediaType <MdiaTp>	[1..1]	CodeSet		946
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		947
	Medialtem <Mdiatlm>	[1..*]			947
	Medialdidentification <Mdiald>	[0..1]	Text		948
	Count <Cnt>	[0..1]	Quantity		948
	UnitValue <UnitVal>	[0..1]	Amount		948
	Currency <Ccy>	[0..1]	CodeSet	C1	948
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		949
	CodeLine <CdLine>	[0..1]	Text		949
	ScannedValue <ScnndVal>	[0..1]	Amount		949
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		949
	MediaStatus <MdiaSts>	[0..1]	CodeSet		949
	RejectedReason <RjctdRsn>	[0..1]	Text		950
	Reference <Ref>	[0..1]	Text		950
	AdditionalData <AddtlData>	[0..*]			950
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950

29.4.3.3.4.5.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

29.4.3.3.4.5.2 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of deposited media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.

CodeName	Name	Definition
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

29.4.3.3.4.5.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of deposited media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

29.4.3.3.4.5.4 Medialtem <Mdialtm>

Presence: [1..*]

Definition: Media item that are deposited.

Medialtem <Mdialtm> contains the following **ATMDepositedMedialtem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Medialdentification <Mdiald>	[0..1]	Text		948
	Count <Cnt>	[0..1]	Quantity		948
	UnitValue <UnitVal>	[0..1]	Amount		948
	Currency <Ccy>	[0..1]	CodeSet	C1	948
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		949
	CodeLine <CdLine>	[0..1]	Text		949
	ScannedValue <ScnndVal>	[0..1]	Amount		949
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		949
	MediaStatus <MdiaSts>	[0..1]	CodeSet		949
	RejectedReason <RjctdRsn>	[0..1]	Text		950
	Reference <Ref>	[0..1]	Text		950
	AdditionalData <AddtlData>	[0..*]			950
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950

29.4.3.3.4.5.4.1 Medialdentification <Mdiald>

Presence: [0..1]

Definition: Within a list of Medialtems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of Medialtems.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.5.4.2 Count <Cnt>

Presence: [0..1]

Definition: Number of deposit media.

Datatype: "Number" on page 1480

29.4.3.3.4.5.4.3 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount or denomination of one media item, if the media type is valued or entered by the customer.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.5.4.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of media items, if valued and different from base currency.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

29.4.3.3.4.5.4.5 CodeLineFormat <CdLineFrmt>

Presence: [0..1]

Definition: Format of the check code line.

Datatype: "CheckCodeLine1Code" on page 1457

CodeName	Name	Definition
CMC7	CMC7	Magnetic ink character digitally encoded with 7 sticks.
E13B	E13B	Magnetic ink character recognition., conform to ISO 1004.
OCRA	OCRA	Optical character recognition font A, conform to ANSI X3.17: 1981.
OCRB	OCRB	Optical character recognition font B, conform to ANSI X3.49: 1975.
OCRF	OCRDefault	Default optical character recognition used.

29.4.3.3.4.5.4.6 CodeLine <CdLine>

Presence: [0..1]

Definition: Check code line.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.5.4.7 ScannedValue <ScndVal>

Presence: [0..1]

Definition: Check amount scanned by the check reader.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

29.4.3.3.4.5.4.8 ConfidenceLevel <CnfdncLvl>

Presence: [0..1]

Definition: Percentage of the confidence in the check amount.

Datatype: "PercentageRate" on page 1481

29.4.3.3.4.5.4.9 MediaStatus <MdiaSts>

Presence: [0..1]

Definition: Status of the deposit transaction.

Datatype: "ATMMediaStatus1Code" on page 1445

CodeName	Name	Definition
ACPT	Accepted	Item (such as a check) has been accepted.
REJT	Rejected	Item (such as a check) has been rejected.

29.4.3.3.4.5.4.10 RejectedReason <RjctdRsn>

Presence: [0..1]

Definition: The reason a media item (such as a check) has been rejected. This may be used to inform the cardholder.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.5.4.11 Reference <Ref>

Presence: [0..1]

Definition: String that uniquely identifies the media item in the FI's bank system. This may be used for traceability reasons.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.5.4.12 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Key value pair which is associated with the media item. This provides flexibility to model some ad hoc data a FI wishes to pass through to the ATM.

AdditionalData <AddtlData> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		950
	Value <Val>	[0..1]	Text		950

29.4.3.3.4.5.4.12.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1485

29.4.3.3.4.5.4.12.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1482

29.4.3.3.5 TotalAmount <TtlAmt>

Presence: [0..1]

Definition: Total amount of the deposit transaction.

TotalAmount <TtlAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

29.4.3.3.6 RequestedReceipt <ReqdRct>

Presence: [0..1]

Definition: True if a receipt has be requested by the customer.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "[TrueFalseIndicator](#)" on page 1480):

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

29.4.3.3.7 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "[Max10000Binary](#)" on page 1432

29.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		951
	AuthenticatedData <AuthntcdData>	[1..1]	±		952

29.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "[ContentType2Code](#)" on page 1458

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).

CodeName	Name	Definition
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).

29.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on [page 1407](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

30 catp.013.001.02 ATMDepositResponseV02

30.1 MessageDefinition Functionality

The ATMDepositResponse message is sent by an ATM manager or its agent to inform the ATM of the approval or decline of the deposit transaction.

Outline

The ATMDepositResponseV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMDepositResponse
Encrypted body of the message.
- C. ATMDepositResponse
Response to a deposit request.
- D. SecurityTrailer
Trailer of the message containing a MAC.

30.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMDpstRspn>	[1..1]			
	Header <Hdr>	[1..1]			961
	MessageFunction <MsgFctn>	[1..1]			962
	Function <Fctn>	[1..1]	CodeSet		962
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		964
	HostServiceCode <HstSvcCd>	[0..1]	Text		964
	ProtocolVersion <PrctlVrsn>	[1..1]	Text		964
	ExchangeIdentification <XchgId>	[1..1]	Text		964
	CreationDateTime <CreDtTm>	[1..1]	DateTime		964
	InitiatingParty <InitgPty>	[1..1]	Text		965
	RecipientParty <RcptPty>	[0..1]	Text		965
	ProcessState <PrcStat>	[0..1]	Text		965
	Traceability <Tracblt>	[0..*]			965
	RelayIdentification <RlayId>	[1..1]	±		965
	SequenceNumber <SeqNb>	[0..1]	Text		966
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		966
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		966
	ProtectedATMDepositResponse <PrctcdATMDpstRspn>	[0..1]	±		966
	ATMDepositResponse <ATMDpstRspn>	[0..1]			966
	Environment <Envt>	[1..1]			973
	Acquirer <Acqrr>	[0..1]	±		974
	ATMManager <ATMMgr>	[0..1]	±		975
	HostingEntity <HstgNtty>	[0..1]	±		975
	ATM <ATM>	[1..1]	±		975
	Customer <Cstmr>	[1..1]			976
	Profile <Prfl>	[0..1]			977
	ProfileReference <PrflRef>	[0..1]	Text		977
	CustomerIdentification <Cstmrlid>	[0..1]	Text		977
	AuthenticationResult <AuthntcnRslt>	[0..*]			977
	Method <Mtd>	[1..1]	CodeSet		978

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		978
	Result <RsIt>	[0..1]	CodeSet		979
	AdditionalResult <AddtlRsIt>	[0..1]	Text		979
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		979
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	979
	ProtectedCardData <PrctcdCardData>	[0..1]	±		980
	PlainCardData <PlainCardData>	[0..1]			980
	PAN <PAN>	[0..1]	Text		980
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		980
	EffectiveDate <FctvDt>	[0..1]	Text		980
	ExpiryDate <XpryDt>	[0..1]	Text		981
	Track1 <Trck1>	[0..1]	Text		981
	Track2 <Trck2>	[0..1]	Text		981
	Track3 <Trck3>	[0..1]	Text		981
	Context <Cntxt>	[1..1]			981
	SessionReference <SsnRef>	[0..1]	Text		982
	Service <Svc>	[0..1]			982
	ServiceReference <SvcRef>	[0..1]	Text		982
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		983
	HostServiceCode <HstSvcCd>	[0..1]	Text		983
	ServiceType <SvcTp>	[1..1]	CodeSet		983
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		983
	CashBack <CshBck>	[0..1]	Indicator		983
	MultiAccount <MultiAcct>	[0..1]	Indicator		983
	Transaction <Tx>	[1..1]			984
	TransactionIdentification <TxId>	[1..1]	±		990
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		990
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		990
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..*]	±		991
	TotalRequestedAmount <TtlReqdAmt>	[0..*]	Amount		991
	SubDeposit <SubDpst>	[0..*]			991

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	SubDepositIdentification <SubDpstId>	[0..1]	Text		994
	AccountData <AcctData>	[0..*]			994
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		996
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		996
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		996
	AccountName <AcctNm>	[0..1]	Text		997
	AccountOwner <AcctOwnr>	[0..1]			997
	Name <Nm>	[1..1]	Text		998
	Address <Adr>	[1..1]	±		998
	Currency <Ccy>	[0..1]	CodeSet	C1	998
	AccountIdentifier <AcctIdr>	[0..1]			999
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	999
Or	BBAN <BBAN>	[1..1]	IdentifierSet		999
Or	UPIC <UPIC>	[1..1]	IdentifierSet		999
Or	DomesticAccount <DmstAcct>	[1..1]			1000
	Identification <Id>	[1..1]	Text		1000
Or	MSISDN <MSISDN>	[1..1]	Text		1000
Or}	Email <Email>	[1..1]	Text		1000
	CreditReference <CdtRef>	[0..1]	Text		1000
	Servicer <Svcr>	[0..1]			1000
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1001
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1001
	Balance <Bal>	[0..1]			1001
	Amount <Amt>	[1..1]	Amount	C6	1002
	Sign <Sgn>	[0..1]	Indicator		1002
	Date <Dt>	[0..1]	Date		1002
	Label <Lbl>	[0..1]	Text		1002
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1002
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1003
	Limits <Lmts>	[0..1]			1003
	Currency <Ccy>	[0..1]	CodeSet	C1	1004

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1004
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1004
	AdditionalAmount <AddtlAmt>	[0..*]			1004
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Lbl>	[0..1]	Text		1005
	DepositLimits <DpstLmts>	[0..*]			1005
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006
	ProtectedAccountData <PrtctdAcctData>	[0..*]	±		1007
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1007
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1007
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1007
	Currency <Ccy>	[0..1]	CodeSet	C1	1007
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1008
	Fees <Fees>	[0..*]	±		1008
	Donation <Dontn>	[0..*]	±		1008
	DepositedMedia <DpstdMdia>	[0..*]			1008
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1009
	MediaType <MdiaTp>	[1..1]	CodeSet		1009
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1010
	MediaItem <MdiaItm>	[1..*]			1010
	MediaIdentification <Mdiald>	[0..1]	Text		1011
	Count <Cnt>	[0..1]	Quantity		1011
	UnitValue <UnitVal>	[0..1]	Amount		1011
	Currency <Ccy>	[0..1]	CodeSet	C1	1011
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1012

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CodeLine <CdLine>	[0..1]	Text		1012
	ScannedValue <ScndVal>	[0..1]	Amount		1012
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1012
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1012
	RejectedReason <RjctdRsn>	[0..1]	Text		1013
	Reference <Ref>	[0..1]	Text		1013
	AdditionalData <AddtlData>	[0..*]			1013
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013
	AdditionalCharge <AddtlChrg>	[0..*]	±		1013
	AuthorisationResult <AuthstnRslt>	[0..1]			1014
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1015
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1016
	ResponseTrace <RspnTrac>	[0..*]			1016
	ResponderIdentification <RspndrId>	[1..1]	Text		1016
	Codification <Cdfctn>	[0..1]	Text		1016
	Response <Rspn>	[1..1]	Text		1017
	ResponseReason <RspnRsn>	[0..1]	Text		1017
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1017
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1017
	Action <Actn>	[0..*]			1017
	ActionType <ActnTp>	[1..1]	CodeSet		1017
	MessageToPresent <MsgToPres>	[0..1]			1018
	Format <Frmt>	[0..1]	CodeSet		1018
	Message <Msg>	[0..1]	Text		1019
	Reference <Ref>	[0..1]	Text		1019
	Device <Dvc>	[0..1]	CodeSet		1019
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1019
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1019
	FeeToAdd <FeeToAdd>	[0..*]			1021
	Amount <Amt>	[1..1]	Amount		1021

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1021
	FeeLabel <FeeLbl>	[0..1]	Text		1022
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1022
	Command <Cmd>	[0..*]			1022
	Type <Tp>	[1..1]	CodeSet		1022
	Urgency <Urgcy>	[1..1]	CodeSet		1023
	DateTime <DtTm>	[0..1]	DateTime		1023
	CommandIdentification <CmdId>	[0..1]	±		1023
	CommandParameters <CmdParams>	[0..1]	±		1023
	AccountInformation <AcctInf>	[0..*]			1024
	AccountType <AcctTp>	[0..1]	CodeSet		1026
	AccountName <AcctNm>	[0..1]	Text		1027
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1027
	Currency <Ccy>	[0..1]	CodeSet	C1	1027
	AccountIdentifier <AcctIdr>	[0..1]			1027
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1028
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1028
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1028
Or	DomesticAccount <DmstAcct>	[1..1]			1028
	Identification <Id>	[1..1]	Text		1029
Or	MSISDN <MSISDN>	[1..1]	Text		1029
Or}	Email <Email>	[1..1]	Text		1029
	CreditReference <CdtRef>	[0..1]	Text		1029
	Servicer <Svcr>	[0..1]			1029
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1029
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1030
	Balance <Bal>	[0..*]			1030
	Amount <Amt>	[1..1]	Amount	C6	1030
	Sign <Sgn>	[0..1]	Indicator		1031
	Date <Dt>	[0..1]	Date		1031
	Label <Lbl>	[0..1]	Text		1031

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1031
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1031
	AllowedService <AllwdSvc>	[0..*]			1032
	ServiceType <SvcTp>	[1..1]	CodeSet		1032
	ServiceVariant <SvcVarnt>	[0..*]			1033
	Identification <Id>	[1..1]	Text		1033
	Label <Labl>	[0..1]	Text		1033
	Limits <Lmts>	[0..*]			1033
	Currency <Ccy>	[0..1]	CodeSet	C1	1034
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1034
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1034
	AdditionalAmount <AddtlAmt>	[0..*]			1034
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Labl>	[0..1]	Text		1035
	DepositedMedia <DpstdMdia>	[0..*]			1035
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1036
	MediaType <MdiaTp>	[1..1]	CodeSet		1036
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1037
	MediaItem <Mdialtm>	[1..*]			1037
	MediaIdentification <Mdiald>	[0..1]	Text		1038
	Count <Cnt>	[0..1]	Quantity		1038
	UnitValue <UnitVal>	[0..1]	Amount		1038
	Currency <Ccy>	[0..1]	CodeSet	C1	1038
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1039
	CodeLine <CdLine>	[0..1]	Text		1039
	ScannedValue <ScnndVal>	[0..1]	Amount		1039
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1039
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1039
	RejectedReason <RjctdRsn>	[0..1]	Text		1040

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Reference <Ref>	[0..1]	Text		1040
	AdditionalData <AddtlData>	[0..*]			1040
	Name <Nm>	[1..1]	Text		1040
	Value <Val>	[0..1]	Text		1040
	SecurityTrailer <SctyTrlr>	[0..1]			1040
	ContentType <CnttTp>	[1..1]	CodeSet		1041
	AuthenticatedData <AuthntcdData>	[1..1]	±		1041

30.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

C6 ValidationByTable

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

30.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

30.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			962
	Function <Fctn>	[1..1]	CodeSet		962
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		964
	HostServiceCode <HstSvcCd>	[0..1]	Text		964
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		964
	ExchangeIdentification <XchgId>	[1..1]	Text		964
	CreationDateTime <CreDtTm>	[1..1]	DateTime		964
	InitiatingParty <InitgPty>	[1..1]	Text		965
	RecipientParty <RcptPty>	[0..1]	Text		965
	ProcessState <PrcStat>	[0..1]	Text		965
	Traceability <Tracblt>	[0..*]			965
	RelayIdentification <RlayId>	[1..1]	±		965
	SequenceNumber <SeqNb>	[0..1]	Text		966
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		966
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		966

30.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		962
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		964
	HostServiceCode <HstSvcCd>	[0..1]	Text		964

30.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

30.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

30.4.1.1.3 HostSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

30.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

30.4.1.3 ExchangeId <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

30.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

30.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

30.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

30.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

30.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		965
	SequenceNumber <SeqNb>	[0..1]	Text		966
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		966
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		966

30.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "GenericIdentification77" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

30.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "Max35Text" on page 1483

30.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

30.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "ISODateTime" on page 1478

30.4.2 ProtectedATMDepositResponse <PrtctdATMDpstRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDepositResponse <PrtctdATMDpstRspn> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

30.4.3 ATMDepositResponse <ATMDpstRspn>

Presence: [0..1]

Definition: Response to a deposit request.

ATMDepositResponse <ATMDpstRspn> contains the following **ATMDepositResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			973
	Acquirer <Acqrr>	[0..1]	±		974
	ATMManager <ATMMgr>	[0..1]	±		975
	HostingEntity <HstgNtty>	[0..1]	±		975
	ATM <ATM>	[1..1]	±		975
	Customer <Cstmr>	[1..1]			976
	Profile <Prfl>	[0..1]			977
	ProfileReference <PrflRef>	[0..1]	Text		977
	CustomerIdentification <Cstmrlid>	[0..1]	Text		977
	AuthenticationResult <AuthntcnRslt>	[0..*]			977
	Method <Mtd>	[1..1]	CodeSet		978
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		978
	Result <Rslt>	[0..1]	CodeSet		979
	AdditionalResult <AddtlRslt>	[0..1]	Text		979
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		979
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	979
	ProtectedCardData <PrtctdCardData>	[0..1]	±		980
	PlainCardData <PlainCardData>	[0..1]			980
	PAN <PAN>	[0..1]	Text		980
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		980
	EffectiveDate <FctvDt>	[0..1]	Text		980
	ExpiryDate <XpryDt>	[0..1]	Text		981
	Track1 <Trck1>	[0..1]	Text		981
	Track2 <Trck2>	[0..1]	Text		981
	Track3 <Trck3>	[0..1]	Text		981
	Context <Cntxt>	[1..1]			981
	SessionReference <SsnRef>	[0..1]	Text		982
	Service <Svc>	[0..1]			982
	ServiceReference <SvcRef>	[0..1]	Text		982
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		983
	HostServiceCode <HstSvcCd>	[0..1]	Text		983

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		983
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		983
	CashBack <CshBck>	[0..1]	Indicator		983
	MultiAccount <MultiAcct>	[0..1]	Indicator		983
	Transaction <Tx>	[1..1]			984
	TransactionIdentification <Txld>	[1..1]	±		990
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		990
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		990
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..*]	±		991
	TotalRequestedAmount <TtlReqdAmt>	[0..*]	Amount		991
	SubDeposit <SubDpst>	[0..*]			991
	SubDepositIdentification <SubDpstld>	[0..1]	Text		994
	AccountData <AcctData>	[0..*]			994
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		996
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		996
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		996
	AccountName <AcctNm>	[0..1]	Text		997
	AccountOwner <AcctOwnr>	[0..1]			997
	Name <Nm>	[1..1]	Text		998
	Address <Adr>	[1..1]	±		998
	Currency <Ccy>	[0..1]	CodeSet	C1	998
	AccountIdentifier <Acctldr>	[0..1]			999
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	999
Or	BBAN <BBAN>	[1..1]	IdentifierSet		999
Or	UPIC <UPIC>	[1..1]	IdentifierSet		999
Or	DomesticAccount <DmstAcct>	[1..1]			1000
	Identification <Id>	[1..1]	Text		1000
Or	MSISDN <MSISDN>	[1..1]	Text		1000
Or}	Email <Email>	[1..1]	Text		1000
	CreditReference <CdtRef>	[0..1]	Text		1000
	Servicer <Svcr>	[0..1]			1000

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1001
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1001
	Balance <Bal>	[0..1]			1001
	Amount <Amt>	[1..1]	Amount	C6	1002
	Sign <Sgn>	[0..1]	Indicator		1002
	Date <Dt>	[0..1]	Date		1002
	Label <Lbl>	[0..1]	Text		1002
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1002
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1003
	Limits <Lmts>	[0..1]			1003
	Currency <Ccy>	[0..1]	CodeSet	C1	1004
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1004
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1004
	AdditionalAmount <AddtlAmt>	[0..*]			1004
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Lbl>	[0..1]	Text		1005
	DepositLimits <DpstLmts>	[0..*]			1005
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006
	ProtectedAccountData <PrtctdAcctData>	[0..*]	±		1007
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1007
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1007
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1007
	Currency <Ccy>	[0..1]	CodeSet	C1	1007
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1008
	Fees <Fees>	[0..*]	±		1008

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Donation <Dontn>	[0..*]	±		1008
	DepositedMedia <DpstdMdia>	[0..*]			1008
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1009
	MediaType <MdiaTp>	[1..1]	CodeSet		1009
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1010
	MediaItem <MdiaItm>	[1..*]			1010
	MediaIdentification <MdiaId>	[0..1]	Text		1011
	Count <Cnt>	[0..1]	Quantity		1011
	UnitValue <UnitVal>	[0..1]	Amount		1011
	Currency <Ccy>	[0..1]	CodeSet	C1	1011
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1012
	CodeLine <CdLine>	[0..1]	Text		1012
	ScannedValue <ScnndVal>	[0..1]	Amount		1012
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1012
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1012
	RejectedReason <RjctdRsn>	[0..1]	Text		1013
	Reference <Ref>	[0..1]	Text		1013
	AdditionalData <AddtlData>	[0..*]			1013
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013
	AdditionalCharge <AddtlChrg>	[0..*]	±		1013
	AuthorisationResult <AuthstnRslt>	[0..1]			1014
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1015
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1016
	ResponseTrace <RspnTrac>	[0..*]			1016
	ResponderIdentification <RspndrId>	[1..1]	Text		1016
	Codification <Cdfctn>	[0..1]	Text		1016
	Response <Rspn>	[1..1]	Text		1017
	ResponseReason <RspnRsn>	[0..1]	Text		1017
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1017
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1017

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Action <Actn>	[0..*]			1017
	ActionType <ActnTp>	[1..1]	CodeSet		1017
	MessageToPresent <MsgToPres>	[0..1]			1018
	Format <Fmt>	[0..1]	CodeSet		1018
	Message <Msg>	[0..1]	Text		1019
	Reference <Ref>	[0..1]	Text		1019
	Device <Dvc>	[0..1]	CodeSet		1019
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1019
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1019
	FeeToAdd <FeeToAdd>	[0..*]			1021
	Amount <Amt>	[1..1]	Amount		1021
	Currency <Ccy>	[0..1]	CodeSet	C1	1021
	FeeLabel <FeeLbl>	[0..1]	Text		1022
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1022
	Command <Cmd>	[0..*]			1022
	Type <Tp>	[1..1]	CodeSet		1022
	Urgency <Urgcy>	[1..1]	CodeSet		1023
	DateTime <DtTm>	[0..1]	DateTime		1023
	CommandIdentification <CmdId>	[0..1]	±		1023
	CommandParameters <CmdParams>	[0..1]	±		1023
	AccountInformation <AcctInf>	[0..*]			1024
	AccountType <AcctTp>	[0..1]	CodeSet		1026
	AccountName <AcctNm>	[0..1]	Text		1027
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1027
	Currency <Ccy>	[0..1]	CodeSet	C1	1027
	AccountIdentifier <AcctIdr>	[0..1]			1027
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1028
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1028
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1028
Or	DomesticAccount <DmstAcct>	[1..1]			1028
	Identification <Id>	[1..1]	Text		1029

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	MSISDN <MSISDN>	[1..1]	Text		1029
Or}	Email <Email>	[1..1]	Text		1029
	CreditReference <CdtRef>	[0..1]	Text		1029
	Servicer <Svcr>	[0..1]			1029
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1029
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1030
	Balance <Bal>	[0..*]			1030
	Amount <Amt>	[1..1]	Amount	C6	1030
	Sign <Sgn>	[0..1]	Indicator		1031
	Date <Dt>	[0..1]	Date		1031
	Label <Lbl>	[0..1]	Text		1031
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1031
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1031
	AllowedService <AllwdSvc>	[0..*]			1032
	ServiceType <SvcTp>	[1..1]	CodeSet		1032
	ServiceVariant <SvcVarnt>	[0..*]			1033
	Identification <Id>	[1..1]	Text		1033
	Label <Lbl>	[0..1]	Text		1033
	Limits <Lmts>	[0..*]			1033
	Currency <Ccy>	[0..1]	CodeSet	C1	1034
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1034
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1034
	AdditionalAmount <AddtlAmt>	[0..*]			1034
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Lbl>	[0..1]	Text		1035
	DepositedMedia <DpstdMdia>	[0..*]			1035
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1036
	MediaType <MdiaTp>	[1..1]	CodeSet		1036
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1037

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaItem <Mdialtm>	[1..*]			1037
	MediaIdentification <Mdiald>	[0..1]	Text		1038
	Count <Cnt>	[0..1]	Quantity		1038
	UnitValue <UnitVal>	[0..1]	Amount		1038
	Currency <Ccy>	[0..1]	CodeSet	C1	1038
	CodeLineFormat <CdLineFmt>	[0..1]	CodeSet		1039
	CodeLine <CdLine>	[0..1]	Text		1039
	ScannedValue <ScnndVal>	[0..1]	Amount		1039
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1039
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1039
	RejectedReason <RjctdRsn>	[0..1]	Text		1040
	Reference <Ref>	[0..1]	Text		1040
	AdditionalData <AddtlData>	[0..*]			1040
	Name <Nm>	[1..1]	Text		1040
	Value <Val>	[0..1]	Text		1040

30.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the deposit transaction.

Environment <Envt> contains the following **ATMEnvironment21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		974
	ATMManager <ATMMgr>	[0..1]	±		975
	HostingEntity <HstgNtty>	[0..1]	±		975
	ATM <ATM>	[1..1]	±		975
	Customer <Cstmr>	[1..1]			976
	Profile <Prfl>	[0..1]			977
	ProfileReference <PrflRef>	[0..1]	Text		977
	CustomerIdentification <CstmrlId>	[0..1]	Text		977
	AuthenticationResult <AuthntcnRslt>	[0..*]			977
	Method <Mtd>	[1..1]	CodeSet		978
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		978
	Result <Rslt>	[0..1]	CodeSet		979
	AdditionalResult <AddtlRslt>	[0..1]	Text		979
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		979
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	979
	ProtectedCardData <PrctcdCardData>	[0..1]	±		980
	PlainCardData <PlainCardData>	[0..1]			980
	PAN <PAN>	[0..1]	Text		980
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		980
	EffectiveDate <FctvDt>	[0..1]	Text		980
	ExpiryDate <XpryDt>	[0..1]	Text		981
	Track1 <Trck1>	[0..1]	Text		981
	Track2 <Trck2>	[0..1]	Text		981
	Track3 <Trck3>	[0..1]	Text		981

30.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

30.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see ["Acquirer8"](#) on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

30.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see ["TerminalHosting1"](#) on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

30.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine2" on page 1354 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1355
	AdditionalIdentification <AddtlId>	[0..1]	Text		1355
	SequenceNumber <SeqNb>	[0..1]	Text		1355
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1356
	Location <Lctn>	[0..1]			1356
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

30.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			977
	ProfileReference <PrflRef>	[0..1]	Text		977
	CustomerIdentification <CstmrlId>	[0..1]	Text		977
	AuthenticationResult <AuthntcnRslt>	[0..*]			977
	Method <Mtd>	[1..1]	CodeSet		978
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		978
	Result <Rslt>	[0..1]	CodeSet		979
	AdditionalResult <AddtlRslt>	[0..1]	Text		979
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		979
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	979

30.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		977
	CustomerIdentification <CstmrlId>	[0..1]	Text		977

30.4.3.1.5.1.1 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

30.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

30.4.3.1.5.2 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		978
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		978
	Result <Rslt>	[0..1]	CodeSet		979
	AdditionalResult <AddtlRslt>	[0..1]	Text		979
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		979

30.4.3.1.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

30.4.3.1.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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).

CodeName	Name	Definition
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

30.4.3.1.5.2.3 Result <RsIt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

30.4.3.1.5.2.4 AdditionalResult <AddtlRsIt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

30.4.3.1.5.2.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

30.4.3.1.5.3 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

30.4.3.1.6 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Encryption of the sensitive card data.

ProtectedCardData <PrtctdCardData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

30.4.3.1.7 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		980
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		980
	EffectiveDate <FctvDt>	[0..1]	Text		980
	ExpiryDate <XpryDt>	[0..1]	Text		981
	Track1 <Trck1>	[0..1]	Text		981
	Track2 <Trck2>	[0..1]	Text		981
	Track3 <Trck3>	[0..1]	Text		981

30.4.3.1.7.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "[Min8Max28NumericText](#)" on page 1486

30.4.3.1.7.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "[Min2Max3NumericText](#)" on page 1485

30.4.3.1.7.3 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 1482

30.4.3.1.7.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

30.4.3.1.7.5 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 1485

30.4.3.1.7.6 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 1483

30.4.3.1.7.7 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 1481

30.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		982
	Service <Svc>	[0..1]			982
	ServiceReference <SvcRef>	[0..1]	Text		982
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		983
	HostServiceCode <HstSvcCd>	[0..1]	Text		983
	ServiceType <SvcTp>	[1..1]	CodeSet		983
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		983
	CashBack <CshBck>	[0..1]	Indicator		983
	MultiAccount <MultiAcct>	[0..1]	Indicator		983

30.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

30.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Deposit service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		982
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		983
	HostServiceCode <HstSvcCd>	[0..1]	Text		983
	ServiceType <SvcTp>	[1..1]	CodeSet		983
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		983
	CashBack <CshBck>	[0..1]	Indicator		983
	MultiAccount <MultiAcct>	[0..1]	Indicator		983

30.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the deposit service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

30.4.3.2.2.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

30.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

30.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of deposit service selected by the customer.

Datatype: "ATMSERVICEType6Code" on page 1451

CodeName	Name	Definition
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.

30.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

30.4.3.2.2.6 CashBack <CshBck>

Presence: [0..1]

Definition: True if deposit with cash back transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

30.4.3.2.2.7 MultiAccount <MultiAcct>

Presence: [0..1]

Definition: True if the deposit transaction is split in multiple accounts.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

30.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Response to the deposit request.

Transaction <Tx> contains the following **ATMTransaction44** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		990
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		990
	CompletionRequired <CmpltnReqrd>	[0..1]	Indicator		990
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..*]	±		991
	TotalRequestedAmount <TtlReqdAmt>	[0..*]	Amount		991
	SubDeposit <SubDpst>	[0..*]			991
	SubDepositIdentification <SubDpstId>	[0..1]	Text		994
	AccountData <AcctData>	[0..*]			994
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		996
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		996
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		996
	AccountName <AcctNm>	[0..1]	Text		997
	AccountOwner <AcctOwnr>	[0..1]			997
	Name <Nm>	[1..1]	Text		998
	Address <Adr>	[1..1]	±		998
	Currency <Ccy>	[0..1]	CodeSet	C1	998
	AccountIdentifier <AcctIdr>	[0..1]			999
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	999
Or	BBAN <BBAN>	[1..1]	IdentifierSet		999
Or	UPIC <UPIC>	[1..1]	IdentifierSet		999
Or	DomesticAccount <DmstAcct>	[1..1]			1000
	Identification <Id>	[1..1]	Text		1000
Or	MSISDN <MSISDN>	[1..1]	Text		1000
Or}	Email <Email>	[1..1]	Text		1000
	CreditReference <CdtRef>	[0..1]	Text		1000
	Servicer <Svcr>	[0..1]			1000
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1001
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1001
	Balance <Bal>	[0..1]			1001
	Amount <Amt>	[1..1]	Amount	C6	1002
	Sign <Sgn>	[0..1]	Indicator		1002

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1002
	Label <Lbl>	[0..1]	Text		1002
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1002
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1003
	Limits <Lmts>	[0..1]			1003
	Currency <Ccy>	[0..1]	CodeSet	C1	1004
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1004
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1004
	AdditionalAmount <AddtlAmt>	[0..*]			1004
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Lbl>	[0..1]	Text		1005
	DepositLimits <DpstLmts>	[0..*]			1005
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006
	ProtectedAccountData <PrctcdAcctData>	[0..*]	±		1007
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1007
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1007
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1007
	Currency <Ccy>	[0..1]	CodeSet	C1	1007
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1008
	Fees <Fees>	[0..*]	±		1008
	Donation <Dontn>	[0..*]	±		1008
	DepositedMedia <DpstdMdia>	[0..*]			1008
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1009
	MediaType <MdiaTp>	[1..1]	CodeSet		1009
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1010

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaItem <Mdialtm>	[1..*]			1010
	MediaIdentification <Mdiald>	[0..1]	Text		1011
	Count <Cnt>	[0..1]	Quantity		1011
	UnitValue <UnitVal>	[0..1]	Amount		1011
	Currency <Ccy>	[0..1]	CodeSet	C1	1011
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1012
	CodeLine <CdLine>	[0..1]	Text		1012
	ScannedValue <ScnndVal>	[0..1]	Amount		1012
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1012
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1012
	RejectedReason <RjctdRsn>	[0..1]	Text		1013
	Reference <Ref>	[0..1]	Text		1013
	AdditionalData <AddtlData>	[0..*]			1013
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013
	AdditionalCharge <AddtlChrg>	[0..*]	±		1013
	AuthorisationResult <AuthstnRslt>	[0..1]			1014
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1015
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1016
	ResponseTrace <RspnTrac>	[0..*]			1016
	ResponderIdentification <RspndrId>	[1..1]	Text		1016
	Codification <Cdfrctn>	[0..1]	Text		1016
	Response <Rspn>	[1..1]	Text		1017
	ResponseReason <RspnRsn>	[0..1]	Text		1017
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1017
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1017
	Action <Actn>	[0..*]			1017
	ActionType <ActnTp>	[1..1]	CodeSet		1017
	MessageToPresent <MsgToPres>	[0..1]			1018
	Format <Frmt>	[0..1]	CodeSet		1018
	Message <Msg>	[0..1]	Text		1019

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Reference <Ref>	[0..1]	Text		1019
	Device <Dvc>	[0..1]	CodeSet		1019
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1019
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1019
	FeeToAdd <FeeToAdd>	[0..*]			1021
	Amount <Amt>	[1..1]	Amount		1021
	Currency <Ccy>	[0..1]	CodeSet	C1	1021
	FeeLabel <FeeLbl>	[0..1]	Text		1022
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1022
	Command <Cmd>	[0..*]			1022
	Type <Tp>	[1..1]	CodeSet		1022
	Urgency <Urgcy>	[1..1]	CodeSet		1023
	DateTime <DtTm>	[0..1]	DateTime		1023
	CommandIdentification <Cmdld>	[0..1]	±		1023
	CommandParameters <CmdParams>	[0..1]	±		1023
	AccountInformation <AcctInf>	[0..*]			1024
	AccountType <AcctTp>	[0..1]	CodeSet		1026
	AccountName <AcctNm>	[0..1]	Text		1027
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1027
	Currency <Ccy>	[0..1]	CodeSet	C1	1027
	AccountIdentifier <Acctldr>	[0..1]			1027
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1028
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1028
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1028
Or	DomesticAccount <DmstAcct>	[1..1]			1028
	Identification <ld>	[1..1]	Text		1029
Or	MSISDN <MSISDN>	[1..1]	Text		1029
Or}	Email <Email>	[1..1]	Text		1029
	CreditReference <CdtRef>	[0..1]	Text		1029
	Servicer <Svcr>	[0..1]			1029
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1029

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1030
	Balance <Bal>	[0..*]			1030
	Amount <Amt>	[1..1]	Amount	C6	1030
	Sign <Sgn>	[0..1]	Indicator		1031
	Date <Dt>	[0..1]	Date		1031
	Label <Lbl>	[0..1]	Text		1031
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1031
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1031
	AllowedService <AllwdSvc>	[0..*]			1032
	ServiceType <SvcTp>	[1..1]	CodeSet		1032
	ServiceVariant <SvcVarnt>	[0..*]			1033
	Identification <Id>	[1..1]	Text		1033
	Label <Lbl>	[0..1]	Text		1033
	Limits <Lmts>	[0..*]			1033
	Currency <Ccy>	[0..1]	CodeSet	C1	1034
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1034
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1034
	AdditionalAmount <AddtlAmt>	[0..*]			1034
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Lbl>	[0..1]	Text		1035
	DepositedMedia <DpstdMdia>	[0..*]			1035
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1036
	MediaType <MdiaTp>	[1..1]	CodeSet		1036
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1037
	MediaItem <Mdialtm>	[1..*]			1037
	MediaIdentification <Mdiald>	[0..1]	Text		1038
	Count <Cnt>	[0..1]	Quantity		1038
	UnitValue <UnitVal>	[0..1]	Amount		1038
	Currency <Ccy>	[0..1]	CodeSet	C1	1038

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1039
	CodeLine <CdLine>	[0..1]	Text		1039
	ScannedValue <ScnndVal>	[0..1]	Amount		1039
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1039
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1039
	RejectedReason <RjctdRsn>	[0..1]	Text		1040
	Reference <Ref>	[0..1]	Text		1040
	AdditionalData <AddtlData>	[0..*]			1040
	Name <Nm>	[1..1]	Text		1040
	Value <Val>	[0..1]	Text		1040

30.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

30.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: ["Max35Text"](#) on page 1483

30.4.3.3.3 CompletionRequired <CmpltnReqrd>

Presence: [0..1]

Definition: True if a completion advice has to be sent after the end of the transaction.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

30.4.3.3.4 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [1..*]

Definition: Total authorised amount of the deposit transaction.

TotalAuthorisedAmount <TtlAuthrsdAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

30.4.3.3.5 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..*]

Definition: Total requested amount.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1431

30.4.3.3.6 SubDeposit <SubDpst>

Presence: [0..*]

Definition: Set of deposit transactions.

SubDeposit <SubDpst> contains the following **ATMDepositComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubDepositIdentification <SubDpstId>	[0..1]	Text		994
	AccountData <AcctData>	[0..*]			994
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		996
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		996
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		996
	AccountName <AcctNm>	[0..1]	Text		997
	AccountOwner <AcctOwnr>	[0..1]			997
	Name <Nm>	[1..1]	Text		998
	Address <Adr>	[1..1]	±		998
	Currency <Ccy>	[0..1]	CodeSet	C1	998
	AccountIdentifier <AcctIdr>	[0..1]			999
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	999
Or	BBAN <BBAN>	[1..1]	IdentifierSet		999
Or	UPIC <UPIC>	[1..1]	IdentifierSet		999
Or	DomesticAccount <DmstAcct>	[1..1]			1000
	Identification <Id>	[1..1]	Text		1000
Or	MSISDN <MSISDN>	[1..1]	Text		1000
Or}	Email <Email>	[1..1]	Text		1000
	CreditReference <CdtRef>	[0..1]	Text		1000
	Servicer <Svcr>	[0..1]			1000
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1001
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1001
	Balance <Bal>	[0..1]			1001
	Amount <Amt>	[1..1]	Amount	C6	1002
	Sign <Sgn>	[0..1]	Indicator		1002
	Date <Dt>	[0..1]	Date		1002
	Label <Labl>	[0..1]	Text		1002
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1002
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1003
	Limits <Lmts>	[0..1]			1003
	Currency <Ccy>	[0..1]	CodeSet	C1	1004

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1004
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1004
	AdditionalAmount <AddtlAmt>	[0..*]			1004
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Lbl>	[0..1]	Text		1005
	DepositLimits <DpstLmts>	[0..*]			1005
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006
	ProtectedAccountData <PrctcdAcctData>	[0..*]	±		1007
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1007
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1007
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1007
	Currency <Ccy>	[0..1]	CodeSet	C1	1007
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1008
	Fees <Fees>	[0..*]	±		1008
	Donation <Dontn>	[0..*]	±		1008
	DepositedMedia <DpstdMdia>	[0..*]			1008
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1009
	MediaType <MdiaTp>	[1..1]	CodeSet		1009
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1010
	MediaItem <Mdialtm>	[1..*]			1010
	MediaIdentification <Mdiald>	[0..1]	Text		1011
	Count <Cnt>	[0..1]	Quantity		1011
	UnitValue <UnitVal>	[0..1]	Amount		1011
	Currency <Ccy>	[0..1]	CodeSet	C1	1011
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1012

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CodeLine <CdLine>	[0..1]	Text		1012
	ScannedValue <ScnndVal>	[0..1]	Amount		1012
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1012
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1012
	RejectedReason <RjctdRsn>	[0..1]	Text		1013
	Reference <Ref>	[0..1]	Text		1013
	AdditionalData <AddtlData>	[0..*]			1013
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013

30.4.3.3.6.1 SubDepositIdentification <SubDpstId>

Presence: [0..1]

Definition: Identification of the deposit transaction in a sequence of deposit transactions.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.2 AccountData <AcctData>

Presence: [0..*]

Definition: Information related to the creditor's account.

AccountData <AcctData> contains the following **CardAccount21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		996
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		996
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		996
	AccountName <AcctNm>	[0..1]	Text		997
	AccountOwner <AcctOwnr>	[0..1]			997
	Name <Nm>	[1..1]	Text		998
	Address <Adr>	[1..1]	±		998
	Currency <Ccy>	[0..1]	CodeSet	C1	998
	AccountIdentifier <AcctIdr>	[0..1]			999
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	999
Or	BBAN <BBAN>	[1..1]	IdentifierSet		999
Or	UPIC <UPIC>	[1..1]	IdentifierSet		999
Or	DomesticAccount <DmstAcct>	[1..1]			1000
	Identification <Id>	[1..1]	Text		1000
Or	MSISDN <MSISDN>	[1..1]	Text		1000
Or}	Email <Email>	[1..1]	Text		1000
	CreditReference <CdtRef>	[0..1]	Text		1000
	Servicer <Svcr>	[0..1]			1000
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1001
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1001
	Balance <Bal>	[0..1]			1001
	Amount <Amt>	[1..1]	Amount	C6	1002
	Sign <Sgn>	[0..1]	Indicator		1002
	Date <Dt>	[0..1]	Date		1002
	Label <Labl>	[0..1]	Text		1002
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1002
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1003
	Limits <Lmts>	[0..1]			1003
	Currency <Ccy>	[0..1]	CodeSet	C1	1004
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1004
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1004

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]			1004
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Lbl>	[0..1]	Text		1005
	DepositLimits <DpstLmts>	[0..*]			1005
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006

30.4.3.3.6.2.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Sequence number of the account data for multi-account deposit.

Datatype: "Number" on page 1480

30.4.3.3.6.2.2 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

30.4.3.3.6.2.3 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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.

30.4.3.3.6.2.4 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

30.4.3.3.6.2.5 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		998
	Address <Adr>	[1..1]	±		998

30.4.3.3.6.2.5.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

30.4.3.3.6.2.5.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

30.4.3.3.6.2.6 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

30.4.3.3.6.2.7 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	999
Or	BBAN <BBAN>	[1..1]	IdentifierSet		999
Or	UPIC <UPIC>	[1..1]	IdentifierSet		999
Or	DomesticAccount <DmstAcct>	[1..1]			1000
	Identification <Id>	[1..1]	Text		1000
Or	MSISDN <MSISDN>	[1..1]	Text		1000
Or}	Email <Email>	[1..1]	Text		1000

30.4.3.3.6.2.7.1 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 1479

Constraints

- **IBAN**

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

30.4.3.3.6.2.7.2 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 1479

30.4.3.3.6.2.7.3 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: "UPIIdentifier" on page 1480

30.4.3.3.6.2.7.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1000

30.4.3.3.6.2.7.4.1 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 1483

30.4.3.3.6.2.7.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

30.4.3.3.6.2.7.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

30.4.3.3.6.2.8 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

30.4.3.3.6.2.9 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1001
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1001

30.4.3.3.6.2.9.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

30.4.3.3.6.2.9.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

30.4.3.3.6.2.10 Balance <Bal>

Presence: [0..1]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1002
	Sign <Sgn>	[0..1]	Indicator		1002
	Date <Dt>	[0..1]	Date		1002
	Label <Labl>	[0..1]	Text		1002

30.4.3.3.6.2.10.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

30.4.3.3.6.2.10.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

30.4.3.3.6.2.10.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

30.4.3.3.6.2.10.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.2.11 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

30.4.3.3.6.2.12 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

30.4.3.3.6.2.13 Limits <Lmts>

Presence: [0..1]

Definition: Limit of amounts for the customer.

Limits <Lmts> contains the following **ATMTransactionAmounts11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1004
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1004
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1004
	AdditionalAmount <AddtlAmt>	[0..*]			1004
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Labl>	[0..1]	Text		1005
	DepositLimits <DpstLmts>	[0..*]			1005
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006

30.4.3.3.6.2.13.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.6.2.13.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.2.13.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.2.13.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1004
	Amount <Amt>	[1..1]	Amount		1004
	Currency <Ccy>	[0..1]	CodeSet	C1	1005
	Label <Labl>	[0..1]	Text		1005

30.4.3.3.6.2.13.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

30.4.3.3.6.2.13.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.2.13.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.6.2.13.4.4 Label <Lbl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.2.13.5 DepositLimits <DpstLmts>

Presence: [0..*]

Definition: Limit of deposited media for the customer.

DepositLimits <DpstLmts> contains the following **ATMTransactionAmounts10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[1..1]	CodeSet		1005
	Currency <Ccy>	[0..1]	CodeSet	C1	1006
	MinimumNumber <MinNb>	[0..1]	Quantity		1006
	MaximumNumber <MaxNb>	[0..1]	Quantity		1006
	DisplayFlag <DispFlg>	[0..1]	Indicator		1006

30.4.3.3.6.2.13.5.1 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.

CodeName	Name	Definition
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

30.4.3.3.6.2.13.5.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.6.2.13.5.3 MinimumNumber <MinNb>

Presence: [0..1]

Definition: Minimum number of media.

Datatype: "Number" on page 1480

30.4.3.3.6.2.13.5.4 MaximumNumber <MaxNb>

Presence: [0..1]

Definition: Maximum number of media.

Datatype: "Number" on page 1480

30.4.3.3.6.2.13.5.5 DisplayFlag <DispFlg>

Presence: [0..1]

Definition: True if limits may be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

30.4.3.3.6.3 ProtectedAccountData <PrtctdAcctData>

Presence: [0..*]

Definition: Secured account information.

ProtectedAccountData <PrtctdAcctData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

30.4.3.3.6.4 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..*]

Definition: Amounts of the deposit transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following **DetailedAmount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1007
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1007
	Currency <Ccy>	[0..1]	CodeSet	C1	1007
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1008
	Fees <Fees>	[0..*]	±		1008
	Donation <Dontn>	[0..*]	±		1008

30.4.3.3.6.4.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

30.4.3.3.6.4.2 AmountToDeposit <AmtToDpst>

Presence: [0..1]

Definition: Amount of the deposit to be made on the ATM after the approval of the deposit transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to deposit when different from the base currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.6.4.4 CashBackAmount <CshBckAmt>

Presence: [0..1]

Definition: Cashback amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.4.5 Fees <Fees>

Presence: [0..*]

Definition: Deposit fees, accepted by the customer.

Fees <Fees> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Lbl>	[0..1]	Text		1322

30.4.3.3.6.4.6 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Lbl>	[0..1]	Text		1322

30.4.3.3.6.5 DepositedMedia <DpstdMdia>

Presence: [0..*]

Definition: Set of deposited media put in the safe.

DepositedMedia <DpstdMdia> contains the following **ATMDepositedMedia4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1009
	MediaType <MdiaTp>	[1..1]	CodeSet		1009
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1010
	Medialtem <MdiaItm>	[1..*]			1010
	Medialdidentification <MdiaId>	[0..1]	Text		1011
	Count <Cnt>	[0..1]	Quantity		1011
	UnitValue <UnitVal>	[0..1]	Amount		1011
	Currency <Ccy>	[0..1]	CodeSet	C1	1011
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1012
	CodeLine <CdLine>	[0..1]	Text		1012
	ScannedValue <ScnndVal>	[0..1]	Amount		1012
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1012
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1012
	RejectedReason <RjctdRsn>	[0..1]	Text		1013
	Reference <Ref>	[0..1]	Text		1013
	AdditionalData <AddtlData>	[0..*]			1013
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013

30.4.3.3.6.5.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

30.4.3.3.6.5.2 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of deposited media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.

CodeName	Name	Definition
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

30.4.3.3.6.5.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of deposited media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

30.4.3.3.6.5.4 Medialtem <Mdialtm>

Presence: [1..*]

Definition: Media item that are deposited.

Medialtem <Mdialtm> contains the following **ATMDepositedMedialtem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Medialdentification <Mdiald>	[0..1]	Text		1011
	Count <Cnt>	[0..1]	Quantity		1011
	UnitValue <UnitVal>	[0..1]	Amount		1011
	Currency <Ccy>	[0..1]	CodeSet	C1	1011
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1012
	CodeLine <CdLine>	[0..1]	Text		1012
	ScannedValue <ScnndVal>	[0..1]	Amount		1012
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1012
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1012
	RejectedReason <RjctdRsn>	[0..1]	Text		1013
	Reference <Ref>	[0..1]	Text		1013
	AdditionalData <AddtlData>	[0..*]			1013
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013

30.4.3.3.6.5.4.1 Medialdentification <Mdiald>

Presence: [0..1]

Definition: Within a list of Medialtems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of Medialtems.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.5.4.2 Count <Cnt>

Presence: [0..1]

Definition: Number of deposit media.

Datatype: "Number" on page 1480

30.4.3.3.6.5.4.3 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount or denomination of one media item, if the media type is valued or entered by the customer.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.5.4.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of media items, if valued and different from base currency.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.6.5.4.5 CodeLineFormat <CdLineFrmt>

Presence: [0..1]

Definition: Format of the check code line.

Datatype: "CheckCodeLine1Code" on page 1457

CodeName	Name	Definition
CMC7	CMC7	Magnetic ink character digitally encoded with 7 sticks.
E13B	E13B	Magnetic ink character recognition., conform to ISO 1004.
OCRA	OCRA	Optical character recognition font A, conform to ANSI X3.17: 1981.
OCRB	OCRB	Optical character recognition font B, conform to ANSI X3.49: 1975.
OCRF	OCRDefault	Default optical character recognition used.

30.4.3.3.6.5.4.6 CodeLine <CdLine>

Presence: [0..1]

Definition: Check code line.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.5.4.7 ScannedValue <ScndVal>

Presence: [0..1]

Definition: Check amount scanned by the check reader.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.6.5.4.8 ConfidenceLevel <CnfdncLvl>

Presence: [0..1]

Definition: Percentage of the confidence in the check amount.

Datatype: "PercentageRate" on page 1481

30.4.3.3.6.5.4.9 MediaStatus <MdiaSts>

Presence: [0..1]

Definition: Status of the deposit transaction.

Datatype: "ATMMediaStatus1Code" on page 1445

CodeName	Name	Definition
ACPT	Accepted	Item (such as a check) has been accepted.
REJT	Rejected	Item (such as a check) has been rejected.

30.4.3.3.6.5.4.10 RejectedReason <RjctdRsn>

Presence: [0..1]

Definition: The reason a media item (such as a check) has been rejected. This may be used to inform the cardholder.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.5.4.11 Reference <Ref>

Presence: [0..1]

Definition: String that uniquely identifies the media item in the FI's bank system. This may be used for traceability reasons.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.5.4.12 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Key value pair which is associated with the media item. This provides flexibility to model some ad hoc data a FI wishes to pass through to the ATM.

AdditionalData <AddtlData> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1013
	Value <Val>	[0..1]	Text		1013

30.4.3.3.6.5.4.12.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1485

30.4.3.3.6.5.4.12.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1482

30.4.3.3.7 AdditionalCharge <AddtlChrg>

Presence: [0..*]

Definition: Additional charge (for instance tax or fee).

AdditionalCharge <AddtlChrg> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

30.4.3.3.8 AuthorisationResult <AuthstnRslt>

Presence: [0..1]

Definition: Outcome of the deposit authorisation.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1015
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1016
	ResponseTrace <RspnTrac>	[0..*]			1016
	ResponderIdentification <RspndrId>	[1..1]	Text		1016
	Codification <Cdfctn>	[0..1]	Text		1016
	Response <Rspn>	[1..1]	Text		1017
	ResponseReason <RspnRsn>	[0..1]	Text		1017
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1017
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1017
	Action <Actn>	[0..*]			1017
	ActionType <ActnTp>	[1..1]	CodeSet		1017
	MessageToPresent <MsgToPres>	[0..1]			1018
	Format <Frmt>	[0..1]	CodeSet		1018
	Message <Msg>	[0..1]	Text		1019
	Reference <Ref>	[0..1]	Text		1019
	Device <Dvc>	[0..1]	CodeSet		1019
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1019
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1019
	FeeToAdd <FeeToAdd>	[0..*]			1021
	Amount <Amt>	[1..1]	Amount		1021
	Currency <Ccy>	[0..1]	CodeSet	C1	1021
	FeeLabel <FeeLbl>	[0..1]	Text		1022

30.4.3.3.8.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

30.4.3.3.8.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see ["ResponseType12"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

30.4.3.3.8.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		1016
	Codification <Cdfctn>	[0..1]	Text		1016
	Response <Rspn>	[1..1]	Text		1017
	ResponseReason <RspnRsn>	[0..1]	Text		1017
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1017

30.4.3.3.8.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: ["Max35Text"](#) on page 1483

30.4.3.3.8.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

30.4.3.3.8.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

30.4.3.3.8.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

30.4.3.3.8.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

30.4.3.3.8.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

30.4.3.3.8.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		1017
	MessageToPresent <MsgToPres>	[0..1]			1018
	Format <Frmt>	[0..1]	CodeSet		1018
	Message <Msg>	[0..1]	Text		1019
	Reference <Ref>	[0..1]	Text		1019
	Device <Dvc>	[0..1]	CodeSet		1019
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1019
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1019

30.4.3.3.8.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

30.4.3.3.8.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1018
	Message <Msg>	[0..1]	Text		1019
	Reference <Ref>	[0..1]	Text		1019
	Device <Dvc>	[0..1]	CodeSet		1019
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1019

30.4.3.3.8.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

30.4.3.3.8.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

30.4.3.3.8.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

30.4.3.3.8.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

30.4.3.3.8.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

30.4.3.3.8.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

30.4.3.3.8.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1021
	Currency <Ccy>	[0..1]	CodeSet	C1	1021
	FeeLabel <FeeLabl>	[0..1]	Text		1022

30.4.3.3.8.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.8.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

30.4.3.3.8.6.3 FeeLabel <FeeLabl>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

30.4.3.3.9 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

30.4.3.3.10 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1022
	Urgency <Urgcy>	[1..1]	CodeSet		1023
	DateTime <DtTm>	[0..1]	DateTime		1023
	CommandIdentification <CmdId>	[0..1]	±		1023
	CommandParameters <CmdParams>	[0..1]	±		1023

30.4.3.3.10.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.

CodeName	Name	Definition
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

30.4.3.3.10.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

30.4.3.3.10.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODatetime" on page 1478

30.4.3.3.10.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <PrCr>	[0..1]	Text		1376

30.4.3.3.10.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see
"ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

30.4.3.3.11 AccountInformation <AcctInf>

Presence: [0..*]

Definition: Account information associated to the customer.

AccountInformation <AcctInf> contains the following **CardAccount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1026
	AccountName <AcctNm>	[0..1]	Text		1027
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1027
	Currency <Ccy>	[0..1]	CodeSet	C1	1027
	AccountIdentifier <AcctIdr>	[0..1]			1027
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1028
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1028
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1028
Or	DomesticAccount <DmstAcct>	[1..1]			1028
	Identification <Id>	[1..1]	Text		1029
Or	MSISDN <MSISDN>	[1..1]	Text		1029
Or}	Email <Email>	[1..1]	Text		1029
	CreditReference <CdtRef>	[0..1]	Text		1029
	Servicer <Svcr>	[0..1]			1029
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1029
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1030
	Balance <Bal>	[0..*]			1030
	Amount <Amt>	[1..1]	Amount	C6	1030
	Sign <Sgn>	[0..1]	Indicator		1031
	Date <Dt>	[0..1]	Date		1031
	Label <Labl>	[0..1]	Text		1031
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1031
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1031
	AllowedService <AllwdSvc>	[0..*]			1032
	ServiceType <SvcTp>	[1..1]	CodeSet		1032
	ServiceVariant <SvcVarnt>	[0..*]			1033
	Identification <Id>	[1..1]	Text		1033
	Label <Labl>	[0..1]	Text		1033
	Limits <Lmts>	[0..*]			1033
	Currency <Ccy>	[0..1]	CodeSet	C1	1034
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1034

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1034
	AdditionalAmount <AddtlAmt>	[0..*]			1034
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Labl>	[0..1]	Text		1035

30.4.3.3.11.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

30.4.3.3.11.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

30.4.3.3.11.3 AccountUsageCode <AcctUsgCd>

Presence: [0..1]

Definition: Determines whether the account is a destination or a source (or both) account.

Datatype: "ATMAccountUsage1Code" on page 1439

CodeName	Name	Definition
BOTH	Both	Can be both the source and the destination account.
DSTN	Destination	Destination account.
SRCE	Source	Source account.

30.4.3.3.11.4 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.11.5 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1028
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1028
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1028
Or	DomesticAccount <DmstAcct>	[1..1]			1028
	Identification <Id>	[1..1]	Text		1029
Or	MSISDN <MSISDN>	[1..1]	Text		1029
Or}	Email <Email>	[1..1]	Text		1029

30.4.3.3.11.5.1 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 1479

Constraints

- **IBAN**

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

30.4.3.3.11.5.2 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 1479

30.4.3.3.11.5.3 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 1480

30.4.3.3.11.5.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1029

30.4.3.3.11.5.4.1 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 1483

30.4.3.3.11.5.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

30.4.3.3.11.5.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

30.4.3.3.11.6 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

30.4.3.3.11.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1029
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1030

30.4.3.3.11.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

30.4.3.3.11.7.2 ProprietaryIdentification <Prtryld>

Presence: [1..1]

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

ProprietaryIdentification <Prtryld> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

30.4.3.3.11.8 Balance <Bal>

Presence: [0..*]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1030
	Sign <Sgn>	[0..1]	Indicator		1031
	Date <Dt>	[0..1]	Date		1031
	Label <Labl>	[0..1]	Text		1031

30.4.3.3.11.8.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

30.4.3.3.11.8.2 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 1480](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

30.4.3.3.11.8.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: ["ISODate" on page 1478](#)

30.4.3.3.11.8.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: ["Max70Text" on page 1485](#)

30.4.3.3.11.9 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

30.4.3.3.11.10 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

30.4.3.3.11.11 AllowedService <AllwdSvc>

Presence: [0..*]

Definition: Service allowed on the account.

AllowedService <AllwdSvc> contains the following **ATMService29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		1032
	ServiceVariant <SvcVarnt>	[0..*]			1033
	Identification <Id>	[1..1]	Text		1033
	Label <Labl>	[0..1]	Text		1033
	Limits <Lmts>	[0..*]			1033
	Currency <Ccy>	[0..1]	CodeSet	C1	1034
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1034
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1034
	AdditionalAmount <AddtlAmt>	[0..*]			1034
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Labl>	[0..1]	Text		1035

30.4.3.3.11.11.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType13Code" on page 1450

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
PINC	PINChange	Modification of the card PIN value.
STDR	StandardWithdrawal	Standard withdrawal of items.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be

CodeName	Name	Definition
		absent from the withdrawal request message.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
TRFP	Payment	Funds transfer to pay a third party.

30.4.3.3.11.11.2 ServiceVariant <SvcVarnt>

Presence: [0..*]

Definition: Variant of the service.

ServiceVariant <SvcVarnt> contains the following **ATMService18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1033
	Label <Labl>	[0..1]	Text		1033

30.4.3.3.11.11.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the service variant.

Datatype: "Max35Text" on page 1483

30.4.3.3.11.11.2.2 Label <Labl>

Presence: [0..1]

Definition: Label of the service variant.

Datatype: "Max35Text" on page 1483

30.4.3.3.11.11.3 Limits <Lmts>

Presence: [0..*]

Definition: Limits of amounts.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1034
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1034
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1034
	AdditionalAmount <AddtlAmt>	[0..*]			1034
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Labl>	[0..1]	Text		1035

30.4.3.3.11.11.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.11.11.3.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.11.11.3.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.11.11.3.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1035
	Amount <Amt>	[1..1]	Amount		1035
	Currency <Ccy>	[0..1]	CodeSet	C1	1035
	Label <Labl>	[0..1]	Text		1035

30.4.3.3.11.11.3.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

30.4.3.3.11.11.3.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.11.11.3.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.11.11.3.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

30.4.3.3.12 DepositedMedia <DpstdMdia>

Presence: [0..*]

Definition: Set of deposited media.

DepositedMedia <DpstdMdia> contains the following **ATMDepositedMedia4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1036
	MediaType <MdiaTp>	[1..1]	CodeSet		1036
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1037
	Medialtem <MdiaItm>	[1..*]			1037
	Medialdentication <MdiaId>	[0..1]	Text		1038
	Count <Cnt>	[0..1]	Quantity		1038
	UnitValue <UnitVal>	[0..1]	Amount		1038
	Currency <Ccy>	[0..1]	CodeSet	C1	1038
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1039
	CodeLine <CdLine>	[0..1]	Text		1039
	ScannedValue <ScnndVal>	[0..1]	Amount		1039
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1039
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1039
	RejectedReason <RjctdRsn>	[0..1]	Text		1040
	Reference <Ref>	[0..1]	Text		1040
	AdditionalData <AddtlData>	[0..*]			1040
	Name <Nm>	[1..1]	Text		1040
	Value <Val>	[0..1]	Text		1040

30.4.3.3.12.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

30.4.3.3.12.2 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of deposited media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.

CodeName	Name	Definition
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

30.4.3.3.12.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of deposited media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

30.4.3.3.12.4 MediaItem <Mdialtm>

Presence: [1..*]

Definition: Media item that are deposited.

Medialtem <Mdialtm> contains the following **ATMDepositedMedialtem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Medialdentification <Mdiald>	[0..1]	Text		1038
	Count <Cnt>	[0..1]	Quantity		1038
	UnitValue <UnitVal>	[0..1]	Amount		1038
	Currency <Ccy>	[0..1]	CodeSet	C1	1038
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1039
	CodeLine <CdLine>	[0..1]	Text		1039
	ScannedValue <ScnndVal>	[0..1]	Amount		1039
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1039
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1039
	RejectedReason <RjctdRsn>	[0..1]	Text		1040
	Reference <Ref>	[0..1]	Text		1040
	AdditionalData <AddtlData>	[0..*]			1040
	Name <Nm>	[1..1]	Text		1040
	Value <Val>	[0..1]	Text		1040

30.4.3.3.12.4.1 Medialdentification <Mdiald>

Presence: [0..1]

Definition: Within a list of Medialtems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of Medialtems.

Datatype: "Max70Text" on page 1485

30.4.3.3.12.4.2 Count <Cnt>

Presence: [0..1]

Definition: Number of deposit media.

Datatype: "Number" on page 1480

30.4.3.3.12.4.3 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount or denomination of one media item, if the media type is valued or entered by the customer.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.12.4.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of media items, if valued and different from base currency.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

30.4.3.3.12.4.5 CodeLineFormat <CdLineFrmt>

Presence: [0..1]

Definition: Format of the check code line.

Datatype: "CheckCodeLine1Code" on page 1457

CodeName	Name	Definition
CMC7	CMC7	Magnetic ink character digitally encoded with 7 sticks.
E13B	E13B	Magnetic ink character recognition., conform to ISO 1004.
OCRA	OCRA	Optical character recognition font A, conform to ANSI X3.17: 1981.
OCRB	OCRB	Optical character recognition font B, conform to ANSI X3.49: 1975.
OCRF	OCRDefault	Default optical character recognition used.

30.4.3.3.12.4.6 CodeLine <CdLine>

Presence: [0..1]

Definition: Check code line.

Datatype: "Max70Text" on page 1485

30.4.3.3.12.4.7 ScannedValue <ScndVal>

Presence: [0..1]

Definition: Check amount scanned by the check reader.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

30.4.3.3.12.4.8 ConfidenceLevel <CnfdncLvl>

Presence: [0..1]

Definition: Percentage of the confidence in the check amount.

Datatype: "PercentageRate" on page 1481

30.4.3.3.12.4.9 MediaStatus <MdiaSts>

Presence: [0..1]

Definition: Status of the deposit transaction.

Datatype: "ATMMediaStatus1Code" on page 1445

CodeName	Name	Definition
ACPT	Accepted	Item (such as a check) has been accepted.
REJT	Rejected	Item (such as a check) has been rejected.

30.4.3.3.12.4.10 RejectedReason <RjctdRsn>

Presence: [0..1]

Definition: The reason a media item (such as a check) has been rejected. This may be used to inform the cardholder.

Datatype: "Max70Text" on page 1485

30.4.3.3.12.4.11 Reference <Ref>

Presence: [0..1]

Definition: String that uniquely identifies the media item in the FI's bank system. This may be used for traceability reasons.

Datatype: "Max70Text" on page 1485

30.4.3.3.12.4.12 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Key value pair which is associated with the media item. This provides flexibility to model some ad hoc data a FI wishes to pass through to the ATM.

AdditionalData <AddtlData> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1040
	Value <Val>	[0..1]	Text		1040

30.4.3.3.12.4.12.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1485

30.4.3.3.12.4.12.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1482

30.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1041
	AuthenticatedData <AuthntcdData>	[1..1]	±		1041

30.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

30.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

31 catp.014.001.02

ATMDepositCompletionAdviceV02

31.1 MessageDefinition Functionality

The ATMDepositCompletionAdvice message is sent by an ATM to an acquirer or its agent to inform of the result of a deposit transaction at an ATM.

If the ATM is configured to only send negative completion, a generic completion message should be used instead of ATMCompletionAdvice.

This message can be used each time a bundle is put in the ATM safe and/or at the end of a multi bundle deposit.

Outline

The ATMDepositCompletionAdviceV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMDepositCompletionAdvice

Encrypted body of the message.

C. ATMDepositCompletionAdvice

Information related to the completion of a deposit transaction on the ATM.

D. SecurityTrailer

Trailer of the message containing a MAC.

31.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMDpstCmpltnAdvc>	[1..1]			
	Header <Hdr>	[1..1]			1052
	MessageFunction <MsgFctn>	[1..1]			1053
	Function <Fctn>	[1..1]	CodeSet		1053
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1054
	HostServiceCode <HstSvcCd>	[0..1]	Text		1054
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1054
	ExchangeIdentification <XchgId>	[1..1]	Text		1055
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		1055
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1055
	InitiatingParty <InitgPty>	[1..1]	Text		1055
	RecipientParty <RcptPty>	[0..1]	Text		1055
	ProcessState <PrctStat>	[0..1]	Text		1055
	Traceability <Tracblt>	[0..*]			1055
	RelayIdentification <RlayId>	[1..1]	±		1056
	SequenceNumber <SeqNb>	[0..1]	Text		1056
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		1056
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1056
	ProtectedATMDepositCompletionAdvice <PrtctdATMDpstCmpltnAdvc>	[0..1]	±		1056
	ATMDepositCompletionAdvice <ATMDpstCmpltnAdvc>	[0..1]			1057
	Environment <Envt>	[1..1]			1065
	Acquirer <Acqrr>	[0..1]	±		1068
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		1068
	HostingEntity <HstgNtty>	[0..1]	±		1068
	ATM <ATM>	[1..1]			1068
	Identification <Id>	[1..1]	Text		1070
	AdditionalIdentification <AddtlId>	[0..1]	Text		1070
	SequenceNumber <SeqNb>	[0..1]	Text		1070
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1070

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Location <Lctn>	[0..1]			1070
	AddressLine <AdrLine>	[0..2]	Text		1071
	StreetName <StrtNm>	[0..1]	Text		1071
	BuildingNumber <BldgNb>	[0..1]	Text		1071
	PostCode <PstCd>	[0..1]	Text		1071
	TownName <TwnNm>	[1..1]	Text		1072
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1072
	Country <Ctry>	[1..1]	CodeSet	C3	1072
	GeoLocation <GLctn>	[0..1]			1072
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1072
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073
Or}	UTMCoordinates <UTMCordints>	[1..1]			1073
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1074
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1074
	Capabilities <Cpblties>	[0..1]	±		1074
	Equipment <Eqpmnt>	[0..1]			1075
	Manufacturer <Manfctr>	[0..1]	Text		1076
	Model <Mdl>	[0..1]	Text		1076
	SerialNumber <SrlNb>	[0..1]	Text		1076
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1076
	ApplicationName <ApplNm>	[0..1]	Text		1076
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1077
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1077
	ConfigurationParameter <CfgtnParam>	[0..*]			1077
	Type <Tp>	[1..1]	CodeSet		1077
	Version <Vrsn>	[1..1]	Text		1078
	Customer <Cstmr>	[1..1]			1078
	Profile <Prfl>	[0..1]			1078

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		1078
	ProfileReference <PrflRef>	[0..1]	Text		1079
	CustomerIdentification <CstmrlId>	[0..1]	Text		1079
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1079
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1079
	AuthenticationResult <AuthntcnRslt>	[1..*]			1080
	Method <Mtd>	[1..1]	CodeSet		1080
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1080
	Result <Rslt>	[0..1]	CodeSet		1081
	AdditionalResult <AddtlRslt>	[0..1]	Text		1081
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1081
	Card <Card>	[0..1]			1081
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1082
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		1083
	ProtectedCardData <PrctcdCardData>	[0..1]	±		1083
	PlainCardData <PlainCardData>	[0..1]			1083
	PAN <PAN>	[0..1]	Text		1083
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1084
	EffectiveDate <FctvDt>	[0..1]	Text		1084
	ExpiryDate <XpryDt>	[0..1]	Text		1084
	Track1 <Trck1>	[0..1]	Text		1084
	Track2 <Trck2>	[0..1]	Text		1084
	Track3 <Trck3>	[0..1]	Text		1084
	CardCountryCode <CardCtryCd>	[0..1]	Text		1084
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1084
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	1085
	Context <Cntxt>	[1..1]			1085
	SessionReference <SsnRef>	[0..1]	Text		1085
	Service <Svc>	[0..1]			1085
	ServiceReference <SvcRef>	[0..1]	Text		1086
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1086

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	HostServiceCode <HstSvcCd>	[0..1]	Text		1086
	ServiceType <SvcTp>	[1..1]	CodeSet		1086
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1086
	CashBack <CshBck>	[0..1]	Indicator		1087
	MultiAccount <MultiAcct>	[0..1]	Indicator		1087
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1087
	Transaction <Tx>	[1..1]			1087
	TransactionIdentification <Txld>	[1..1]	±		1093
	TransactionStatus <TxSts>	[1..1]	CodeSet		1093
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		1093
	Incident <IncDnt>	[0..*]	CodeSet		1094
	IncidentDetail <IncDntDtl>	[0..*]	Text		1096
	TotalDepositedAmount <TtlDpstdAmt>	[1..*]	±		1096
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..*]	Amount		1096
	TotalRequestedAmount <TtlReqdAmt>	[0..*]	Amount		1096
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1096
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1097
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1097
	Currency <Ccy>	[0..1]	CodeSet	C1	1097
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1097
	Fees <Fees>	[0..*]	±		1097
	Donation <Dontn>	[0..*]	±		1098
	SubDeposit <SubDpst>	[0..*]			1098
	SubDepositIdentification <SubDpstld>	[0..1]	Text		1101
	AccountData <AcctData>	[0..*]			1101
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1103
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1103
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1103
	AccountName <AcctNm>	[0..1]	Text		1104
	AccountOwner <AcctOwnr>	[0..1]			1104
	Name <Nm>	[1..1]	Text		1105

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..1]	±		1105
	Currency <Ccy>	[0..1]	CodeSet	C1	1105
	AccountIdentifier <AcctIdr>	[0..1]			1106
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1106
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1106
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1106
Or	DomesticAccount <DmstAcct>	[1..1]			1107
	Identification <Id>	[1..1]	Text		1107
Or	MSISDN <MSISDN>	[1..1]	Text		1107
Or}	Email <Email>	[1..1]	Text		1107
	CreditReference <CdtRef>	[0..1]	Text		1107
	Servicer <Svcr>	[0..1]			1107
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1108
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1108
	Balance <Bal>	[0..1]			1108
	Amount <Amt>	[1..1]	Amount	C6	1109
	Sign <Sgn>	[0..1]	Indicator		1109
	Date <Dt>	[0..1]	Date		1109
	Label <Lbl>	[0..1]	Text		1109
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1109
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1110
	Limits <Lmts>	[0..1]			1110
	Currency <Ccy>	[0..1]	CodeSet	C1	1111
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1111
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1111
	AdditionalAmount <AddtlAmt>	[0..*]			1111
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Lbl>	[0..1]	Text		1112
	DepositLimits <DpstLmts>	[0..*]			1112

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113
	ProtectedAccountData <PrtctdAcctData>	[0..*]	±		1114
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1114
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1114
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1114
	Currency <Ccy>	[0..1]	CodeSet	C1	1114
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1115
	Fees <Fees>	[0..*]	±		1115
	Donation <Dontn>	[0..*]	±		1115
	DepositedMedia <DpstddMdia>	[0..*]			1115
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1116
	MediaType <MdiaTp>	[1..1]	CodeSet		1116
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1117
	MediaItem <Mdiaitm>	[1..*]			1117
	MediaIdentification <MdiaId>	[0..1]	Text		1118
	Count <Cnt>	[0..1]	Quantity		1118
	UnitValue <UnitVal>	[0..1]	Amount		1118
	Currency <Ccy>	[0..1]	CodeSet	C1	1118
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1119
	CodeLine <CdLine>	[0..1]	Text		1119
	ScannedValue <ScnndVal>	[0..1]	Amount		1119
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1119
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1119
	RejectedReason <RjctdRsn>	[0..1]	Text		1120
	Reference <Ref>	[0..1]	Text		1120
	AdditionalData <AddtlData>	[0..*]			1120
	Name <Nm>	[1..1]	Text		1120

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Value <Val>	[0..1]	Text		1120
	AdditionalCharge <AddtlChrg>	[0..*]	±		1120
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		1121
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		1121
	AuthorisationResult <AuthstnRslt>	[0..1]			1121
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1122
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1123
	ResponseTrace <RspnTrac>	[0..*]			1123
	ResponderIdentification <RspndrId>	[1..1]	Text		1123
	Codification <Cdfctn>	[0..1]	Text		1123
	Response <Rspn>	[1..1]	Text		1124
	ResponseReason <RspnRsn>	[0..1]	Text		1124
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1124
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1124
	Action <Actn>	[0..*]			1124
	ActionType <ActnTp>	[1..1]	CodeSet		1124
	MessageToPresent <MsgToPres>	[0..1]			1125
	Format <Frmt>	[0..1]	CodeSet		1125
	Message <Msg>	[0..1]	Text		1126
	Reference <Ref>	[0..1]	Text		1126
	Device <Dvc>	[0..1]	CodeSet		1126
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1126
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1126
	FeeToAdd <FeeToAdd>	[0..*]			1128
	Amount <Amt>	[1..1]	Amount		1128
	Currency <Ccy>	[0..1]	CodeSet	C1	1128
	FeeLabel <FeeLbl>	[0..1]	Text		1129
	ToBeReconciledMediaCounters <ToBeRcnclMdiaCntrs>	[0..*]			1129
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1129
	MediaType <MdiaTp>	[1..1]	CodeSet		1130
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1130

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaItem <Mdialtm>	[1..*]			1130
	MediaIdentification <Mdiald>	[0..1]	Text		1131
	Count <Cnt>	[0..1]	Quantity		1131
	UnitValue <UnitVal>	[0..1]	Amount		1131
	Currency <Ccy>	[0..1]	CodeSet	C1	1131
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1132
	CodeLine <CdLine>	[0..1]	Text		1132
	ScannedValue <ScnndVal>	[0..1]	Amount		1132
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1132
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1132
	RejectedReason <RjctdRsn>	[0..1]	Text		1133
	Reference <Ref>	[0..1]	Text		1133
	AdditionalData <AddtlData>	[0..*]			1133
	Name <Nm>	[1..1]	Text		1133
	Value <Val>	[0..1]	Text		1133
	ATMTotals <ATMTtls>	[0..*]	±		1133
	Cassette <Csstt>	[0..*]			1134
	PhysicalIdentification <PhysId>	[0..1]	Text		1136
	LogicalIdentification <Logclld>	[1..1]	Text		1136
	SerialNumber <SrlNb>	[0..1]	Text		1136
	Type <Tp>	[1..1]	CodeSet		1136
	SubType <SubTp>	[0..*]	CodeSet		1136
	MediaType <MdiaTp>	[0..1]	CodeSet		1137
	MediaCounters <MdiaCnts>	[0..*]			1137
	UnitValue <UnitVal>	[0..1]	Amount		1138
	Currency <Ccy>	[0..1]	CodeSet	C1	1138
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1139
	InitialCount <InitlCnt>	[0..1]	Quantity		1139
	CurrentNumber <CurNb>	[1..1]	Quantity		1139
	CurrentAmount <CurAmt>	[0..1]	Amount		1139
	FlowTotals <FlowTtls>	[0..*]			1139

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1140
	AddedNumber <AddedNb>	[0..1]	Quantity		1140
	RemovedNumber <RmvdNb>	[0..1]	Quantity		1141
	RemovedAmount <RmvdAmt>	[0..1]	Amount		1141
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		1141
	DepositedNumber <DpstdNb>	[0..1]	Quantity		1141
	DepositedAmount <DpstdAmt>	[0..1]	Amount		1141
	RecycledNumber <RcycldNb>	[0..1]	Quantity		1141
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		1141
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		1141
	RejectedNumber <RjctdNb>	[0..1]	Quantity		1142
	PresentedNumber <PresntdNb>	[0..1]	Quantity		1142
	InitialNumber <InitlNb>	[0..1]	Quantity		1142
	InitialAmount <InitlAmt>	[0..1]	Amount		1142
	CassetteStatus <CssttSts>	[0..1]	CodeSet		1142
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1143
	SecurityTrailer <SctyTrlr>	[0..1]			1143
	ContentType <CnttTp>	[1..1]	CodeSet		1143
	AuthenticatedData <AuthntcdData>	[1..1]	±		1143

31.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

C6 ValidationByTable

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

31.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

31.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			1053
	Function <Fctn>	[1..1]	CodeSet		1053
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1054
	HostServiceCode <HstSvcCd>	[0..1]	Text		1054
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1054
	ExchangeIdentification <XchgId>	[1..1]	Text		1055
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		1055
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1055
	InitiatingParty <InitgPty>	[1..1]	Text		1055
	RecipientParty <RcptPty>	[0..1]	Text		1055
	ProcessState <PrcStat>	[0..1]	Text		1055
	Traceability <Tracblt>	[0..*]			1055
	RelayIdentification <RlayId>	[1..1]	±		1056
	SequenceNumber <SeqNb>	[0..1]	Text		1056
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1056
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1056

31.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		1053
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1054
	HostServiceCode <HstSvcCd>	[0..1]	Text		1054

31.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.

CodeName	Name	Definition
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

31.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

31.4.1.1.3 HstSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

31.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

31.4.1.3 ExchngIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

31.4.1.4 ReTransmissionCounter <ReTrnsmssnCntr>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

31.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

31.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

31.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

31.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

31.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <Rlayld>	[1..1]	±		1056
	SequenceNumber <SeqNb>	[0..1]	Text		1056
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1056
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1056

31.4.1.9.1 RelayIdentification <Rlayld>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <Rlayld> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

31.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

31.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

31.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

31.4.2 ProtectedATMDepositCompletionAdvice <PrtctdATMDpstCmpltnAdv>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDepositCompletionAdvice <PrctcdATMDpstCmpltnAdv< contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

31.4.3 ATMDepositCompletionAdvice <ATMDpstCmpltnAdv<

Presence: [0..1]

Definition: Information related to the completion of a deposit transaction on the ATM.

ATMDepositCompletionAdvice <ATMDpstCmpltnAdv> contains the following
ATMDepositCompletionAdvice2 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			1065
	Acquirer <Acqrr>	[0..1]	±		1068
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		1068
	HostingEntity <HstgNtty>	[0..1]	±		1068
	ATM <ATM>	[1..1]			1068
	Identification <Id>	[1..1]	Text		1070
	AdditionalIdentification <AddtlId>	[0..1]	Text		1070
	SequenceNumber <SeqNb>	[0..1]	Text		1070
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1070
	Location <Lctn>	[0..1]			1070
	AddressLine <AdrLine>	[0..2]	Text		1071
	StreetName <StrtNm>	[0..1]	Text		1071
	BuildingNumber <BldgNb>	[0..1]	Text		1071
	PostCode <PstCd>	[0..1]	Text		1071
	TownName <TwnNm>	[1..1]	Text		1072
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1072
	Country <Ctry>	[1..1]	CodeSet	C3	1072
	GeoLocation <GLctn>	[0..1]			1072
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1072
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073
Or}	UTMCoordinates <UTMCordints>	[1..1]			1073
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1074
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1074
	Capabilities <Cpblties>	[0..1]	±		1074
	Equipment <Eqpmnt>	[0..1]			1075
	Manufacturer <Manfctr>	[0..1]	Text		1076
	Model <Mdl>	[0..1]	Text		1076

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SerialNumber <SrINb>	[0..1]	Text		1076
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1076
	ApplicationName <ApplNm>	[0..1]	Text		1076
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1077
	ApprovalNumber <ApprvINb>	[0..1]	Text		1077
	ConfigurationParameter <CfgrtnParam>	[0..*]			1077
	Type <Tp>	[1..1]	CodeSet		1077
	Version <Vrsn>	[1..1]	Text		1078
	Customer <Cstmr>	[1..1]			1078
	Profile <Prfl>	[0..1]			1078
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		1078
	ProfileReference <PrflRef>	[0..1]	Text		1079
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1079
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1079
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1079
	AuthenticationResult <AuthntcnRslt>	[1..*]			1080
	Method <Mtd>	[1..1]	CodeSet		1080
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1080
	Result <Rslt>	[0..1]	CodeSet		1081
	AdditionalResult <AddtlRslt>	[0..1]	Text		1081
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1081
	Card <Card>	[0..1]			1081
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1082
	FallbackIndicator <FllbckInd>	[0..1]	Indicator		1083
	ProtectedCardData <PrctcdCardData>	[0..1]	±		1083
	PlainCardData <PlainCardData>	[0..1]			1083
	PAN <PAN>	[0..1]	Text		1083
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1084
	EffectiveDate <FctvDt>	[0..1]	Text		1084
	ExpiryDate <XpryDt>	[0..1]	Text		1084
	Track1 <Trck1>	[0..1]	Text		1084

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Track2 <Trck2>	[0..1]	Text		1084
	Track3 <Trck3>	[0..1]	Text		1084
	CardCountryCode <CardCtryCd>	[0..1]	Text		1084
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1084
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	1085
	Context <Cntxt>	[1..1]			1085
	SessionReference <SsnRef>	[0..1]	Text		1085
	Service <Svc>	[0..1]			1085
	ServiceReference <SvcRef>	[0..1]	Text		1086
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1086
	HostServiceCode <HstSvcCd>	[0..1]	Text		1086
	ServiceType <SvcTp>	[1..1]	CodeSet		1086
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1086
	CashBack <CshBck>	[0..1]	Indicator		1087
	MultiAccount <MultiAcct>	[0..1]	Indicator		1087
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1087
	Transaction <Tx>	[1..1]			1087
	TransactionIdentification <Txld>	[1..1]	±		1093
	TransactionStatus <TxSts>	[1..1]	CodeSet		1093
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		1093
	Incident <Incndnt>	[0..*]	CodeSet		1094
	IncidentDetail <IncndntDtl>	[0..*]	Text		1096
	TotalDepositedAmount <TtlDpstdAmt>	[1..*]	±		1096
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..*]	Amount		1096
	TotalRequestedAmount <TtlReqdAmt>	[0..*]	Amount		1096
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1096
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1097
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1097
	Currency <Ccy>	[0..1]	CodeSet	C1	1097
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1097
	Fees <Fees>	[0..*]	±		1097

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Donation <Dontn>	[0..*]	±		1098
	SubDeposit <SubDpst>	[0..*]			1098
	SubDepositIdentification <SubDpstId>	[0..1]	Text		1101
	AccountData <AcctData>	[0..*]			1101
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1103
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1103
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1103
	AccountName <AcctNm>	[0..1]	Text		1104
	AccountOwner <AcctOwnr>	[0..1]			1104
	Name <Nm>	[1..1]	Text		1105
	Address <Adr>	[1..1]	±		1105
	Currency <Ccy>	[0..1]	CodeSet	C1	1105
	AccountIdentifier <AcctIdr>	[0..1]			1106
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1106
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1106
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1106
Or	DomesticAccount <DmstAcct>	[1..1]			1107
	Identification <Id>	[1..1]	Text		1107
Or	MSISDN <MSISDN>	[1..1]	Text		1107
Or}	Email <Email>	[1..1]	Text		1107
	CreditReference <CdtRef>	[0..1]	Text		1107
	Servicer <Svcr>	[0..1]			1107
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1108
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1108
	Balance <Bal>	[0..1]			1108
	Amount <Amt>	[1..1]	Amount	C6	1109
	Sign <Sgn>	[0..1]	Indicator		1109
	Date <Dt>	[0..1]	Date		1109
	Label <Lbl>	[0..1]	Text		1109
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1109
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1110

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Limits <Lmts>	[0..1]			1110
	Currency <Ccy>	[0..1]	CodeSet	C1	1111
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1111
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1111
	AdditionalAmount <AddtlAmt>	[0..*]			1111
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Lbl>	[0..1]	Text		1112
	DepositLimits <DpstLmts>	[0..*]			1112
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113
	ProtectedAccountData <PrtctdAcctData>	[0..*]	±		1114
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1114
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1114
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1114
	Currency <Ccy>	[0..1]	CodeSet	C1	1114
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1115
	Fees <Fees>	[0..*]	±		1115
	Donation <Dontrn>	[0..*]	±		1115
	DepositedMedia <DpstMdia>	[0..*]			1115
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1116
	MediaType <MdiaTp>	[1..1]	CodeSet		1116
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1117
	MediaItem <MdiaItm>	[1..*]			1117
	MediaIdentification <MdiaId>	[0..1]	Text		1118
	Count <Cnt>	[0..1]	Quantity		1118
	UnitValue <UnitVal>	[0..1]	Amount		1118

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1118
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1119
	CodeLine <CdLine>	[0..1]	Text		1119
	ScannedValue <ScnndVal>	[0..1]	Amount		1119
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1119
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1119
	RejectedReason <RjctdRsn>	[0..1]	Text		1120
	Reference <Ref>	[0..1]	Text		1120
	AdditionalData <AddtlData>	[0..*]			1120
	Name <Nm>	[1..1]	Text		1120
	Value <Val>	[0..1]	Text		1120
	AdditionalCharge <AddtlChrg>	[0..*]	±		1120
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		1121
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		1121
	AuthorisationResult <AuthstnRslt>	[0..1]			1121
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1122
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1123
	ResponseTrace <RspnTrac>	[0..*]			1123
	ResponderIdentification <RspndrId>	[1..1]	Text		1123
	Codification <Cdfctn>	[0..1]	Text		1123
	Response <Rspn>	[1..1]	Text		1124
	ResponseReason <RspnRsn>	[0..1]	Text		1124
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1124
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1124
	Action <Actn>	[0..*]			1124
	ActionType <ActnTp>	[1..1]	CodeSet		1124
	MessageToPresent <MsgToPres>	[0..1]			1125
	Format <Frmt>	[0..1]	CodeSet		1125
	Message <Msg>	[0..1]	Text		1126
	Reference <Ref>	[0..1]	Text		1126
	Device <Dvc>	[0..1]	CodeSet		1126

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1126
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1126
	FeeToAdd <FeeToAdd>	[0..*]			1128
	Amount <Amt>	[1..1]	Amount		1128
	Currency <Ccy>	[0..1]	CodeSet	C1	1128
	FeeLabel <FeeLbl>	[0..1]	Text		1129
	ToBeReconciledMediaCounters <ToBeRcnldMdiaCntrs>	[0..*]			1129
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1129
	MediaType <MdiaTp>	[1..1]	CodeSet		1130
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1130
	MediaItem <MdiaItm>	[1..*]			1130
	MediaIdentification <MdiaId>	[0..1]	Text		1131
	Count <Cnt>	[0..1]	Quantity		1131
	UnitValue <UnitVal>	[0..1]	Amount		1131
	Currency <Ccy>	[0..1]	CodeSet	C1	1131
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1132
	CodeLine <CdLine>	[0..1]	Text		1132
	ScannedValue <ScnndVal>	[0..1]	Amount		1132
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1132
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1132
	RejectedReason <RjctdRsn>	[0..1]	Text		1133
	Reference <Ref>	[0..1]	Text		1133
	AdditionalData <AddtlData>	[0..*]			1133
	Name <Nm>	[1..1]	Text		1133
	Value <Val>	[0..1]	Text		1133
	ATMTotals <ATMTtls>	[0..*]	±		1133
	Cassette <Csstt>	[0..*]			1134
	PhysicalIdentification <PhysId>	[0..1]	Text		1136
	LogicalIdentification <LogclId>	[1..1]	Text		1136
	SerialNumber <SrlNb>	[0..1]	Text		1136
	Type <Tp>	[1..1]	CodeSet		1136

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubType <SubTp>	[0..*]	CodeSet		1136
	MediaType <MdiaTp>	[0..1]	CodeSet		1137
	MediaCounters <MdiaCntrs>	[0..*]			1137
	UnitValue <UnitVal>	[0..1]	Amount		1138
	Currency <Ccy>	[0..1]	CodeSet	C1	1138
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1139
	InitialCount <InitlCnt>	[0..1]	Quantity		1139
	CurrentNumber <CurNb>	[1..1]	Quantity		1139
	CurrentAmount <CurAmt>	[0..1]	Amount		1139
	FlowTotals <FlowTtls>	[0..*]			1139
	Type <Tp>	[1..1]	CodeSet		1140
	AddedNumber <AddedNb>	[0..1]	Quantity		1140
	RemovedNumber <RmvdNb>	[0..1]	Quantity		1141
	RemovedAmount <RmvdAmt>	[0..1]	Amount		1141
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		1141
	DepositedNumber <DpstdNb>	[0..1]	Quantity		1141
	DepositedAmount <DpstdAmt>	[0..1]	Amount		1141
	RecycledNumber <RcycldNb>	[0..1]	Quantity		1141
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		1141
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		1141
	RejectedNumber <RjctdNb>	[0..1]	Quantity		1142
	PresentedNumber <PresntdNb>	[0..1]	Quantity		1142
	InitialNumber <InitlNb>	[0..1]	Quantity		1142
	InitialAmount <InitlAmt>	[0..1]	Amount		1142
	CassetteStatus <CssttSts>	[0..1]	CodeSet		1142
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1143

31.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the deposit transaction.

Environment <Envt> contains the following **ATMEnvironment19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1068
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		1068
	HostingEntity <HstgNtty>	[0..1]	±		1068
	ATM <ATM>	[1..1]			1068
	Identification <Id>	[1..1]	Text		1070
	AdditionalIdentification <AddtlId>	[0..1]	Text		1070
	SequenceNumber <SeqNb>	[0..1]	Text		1070
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1070
	Location <Lctn>	[0..1]			1070
	AddressLine <AdrLine>	[0..2]	Text		1071
	StreetName <StrtNm>	[0..1]	Text		1071
	BuildingNumber <BldgNb>	[0..1]	Text		1071
	PostCode <PstCd>	[0..1]	Text		1071
	TownName <TwnNm>	[1..1]	Text		1072
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1072
	Country <Ctry>	[1..1]	CodeSet	C3	1072
	GeoLocation <GLctn>	[0..1]			1072
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1072
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073
Or}	UTMCoordinates <UTMCordints>	[1..1]			1073
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1074
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1074
	Capabilities <Cpblties>	[0..1]	±		1074
	Equipment <Eqpmnt>	[0..1]			1075
	Manufacturer <Manfctr>	[0..1]	Text		1076
	Model <Mdl>	[0..1]	Text		1076
	SerialNumber <SrlNb>	[0..1]	Text		1076
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1076

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		1076
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1077
	ApprovalNumber <ApprvINb>	[0..1]	Text		1077
	ConfigurationParameter <CfgtnParam>	[0..*]			1077
	Type <Tp>	[1..1]	CodeSet		1077
	Version <Vrsn>	[1..1]	Text		1078
	Customer <Cstmr>	[1..1]			1078
	Profile <Prfl>	[0..1]			1078
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		1078
	ProfileReference <PrflRef>	[0..1]	Text		1079
	CustomerIdentification <CstmrlId>	[0..1]	Text		1079
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1079
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1079
	AuthenticationResult <AuthntcnRslt>	[1..*]			1080
	Method <Mtd>	[1..1]	CodeSet		1080
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1080
	Result <Rslt>	[0..1]	CodeSet		1081
	AdditionalResult <AddtlRslt>	[0..1]	Text		1081
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1081
	Card <Card>	[0..1]			1081
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1082
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		1083
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1083
	PlainCardData <PlainCardData>	[0..1]			1083
	PAN <PAN>	[0..1]	Text		1083
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1084
	EffectiveDate <FctvDt>	[0..1]	Text		1084
	ExpiryDate <XpryDt>	[0..1]	Text		1084
	Track1 <Trck1>	[0..1]	Text		1084
	Track2 <Trck2>	[0..1]	Text		1084
	Track3 <Trck3>	[0..1]	Text		1084

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardCountryCode <CardCtryCd>	[0..1]	Text		1084
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1084
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	1085

31.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see ["Acquirer7"](#) on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrglInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

31.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: ["Max35Text"](#) on page 1483

31.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see ["TerminalHosting1"](#) on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

31.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1070
	AdditionalIdentification <AddtlId>	[0..1]	Text		1070
	SequenceNumber <SeqNb>	[0..1]	Text		1070
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1070
	Location <Lctn>	[0..1]			1070
	AddressLine <AdrLine>	[0..2]	Text		1071
	StreetName <StrtNm>	[0..1]	Text		1071
	BuildingNumber <BldgNb>	[0..1]	Text		1071
	PostCode <PstCd>	[0..1]	Text		1071
	TownName <TwnNm>	[1..1]	Text		1072
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1072
	Country <Ctry>	[1..1]	CodeSet	C3	1072
	GeoLocation <GLctn>	[0..1]			1072
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1072
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073
Or}	UTMCoordinates <UTMCordints>	[1..1]			1073
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1074
	LocationCategory <LctnCty>	[0..1]	CodeSet		1074
	Capabilities <Cpblties>	[0..1]	±		1074
	Equipment <Eqpmnt>	[0..1]			1075
	Manufacturer <Manfctr>	[0..1]	Text		1076
	Model <Mdl>	[0..1]	Text		1076
	SerialNumber <SrlNb>	[0..1]	Text		1076
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1076
	ApplicationName <ApplNm>	[0..1]	Text		1076
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1077
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1077
	ConfigurationParameter <CfgrtnParam>	[0..*]			1077

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1077
	Version <Vrsn>	[1..1]	Text		1078

31.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1071
	StreetName <StrtNm>	[0..1]	Text		1071
	BuildingNumber <BldgNb>	[0..1]	Text		1071
	PostCode <PstCd>	[0..1]	Text		1071
	TownName <TwnNm>	[1..1]	Text		1072
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1072
	Country <Ctry>	[1..1]	CodeSet	C3	1072
	GeoLocation <GLctn>	[0..1]			1072
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1072
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073
Or}	UTMCoordinates <UTMCordints>	[1..1]			1073
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1074

31.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

31.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

31.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

31.4.3.1.4.5.4 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 1482

31.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

31.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1072
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073
Or}	UTMCoordinates <UTMCordints>	[1..1]			1073
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1074

31.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1073
	Longitude <Long>	[1..1]	Text		1073

31.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

31.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

31.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1073
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1073
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1074

31.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

31.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

31.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

31.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

31.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntrctvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

31.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1076
	Model <Mdl>	[0..1]	Text		1076
	SerialNumber <SrINb>	[0..1]	Text		1076
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1076
	ApplicationName <ApplNm>	[0..1]	Text		1076
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1077
	ApprovalNumber <ApplVrsn>	[0..1]	Text		1077
	ConfigurationParameter <CfgtnParam>	[0..*]			1077
	Type <Tp>	[1..1]	CodeSet		1077
	Version <Vrsn>	[1..1]	Text		1078

31.4.3.1.4.8.1 **Manufacturer <Manfctr>**

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.2 **Model <Mdl>**

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.3 **SerialNumber <SrINb>**

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.4 **ApplicationProvider <ApplPrvdr>**

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.5 **ApplicationName <ApplNm>**

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

31.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1077
	Version <Vrsn>	[1..1]	Text		1078

31.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

31.4.3.1.4.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

31.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			1078
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		1078
	ProfileReference <PrflRef>	[0..1]	Text		1079
	CustomerIdentification <CstmrlId>	[0..1]	Text		1079
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1079
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1079
	AuthenticationResult <AuthntcnRslt>	[1..*]			1080
	Method <Mtd>	[1..1]	CodeSet		1080
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1080
	Result <Rslt>	[0..1]	CodeSet		1081
	AdditionalResult <AddtlRslt>	[0..1]	Text		1081
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1081

31.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the service.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		1078
	ProfileReference <PrflRef>	[0..1]	Text		1079
	CustomerIdentification <CstmrlId>	[0..1]	Text		1079
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1079

31.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

31.4.3.1.5.1.2 ProfileReference <PrfIRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

31.4.3.1.5.1.3 CustomerIdentification <CstmrId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

31.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

31.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

31.4.3.1.5.3 AuthenticationResult <AuthntcnRsIt>

Presence: [1..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRsIt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1080
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1080
	Result <RsIt>	[0..1]	CodeSet		1081
	AdditionalResult <AddtlRsIt>	[0..1]	Text		1081
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1081

31.4.3.1.5.3.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

31.4.3.1.5.3.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

31.4.3.1.5.3.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

31.4.3.1.5.3.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

31.4.3.1.5.3.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

31.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard37** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1082
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		1083
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1083
	PlainCardData <PlainCardData>	[0..1]			1083
	PAN <PAN>	[0..1]	Text		1083
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1084
	EffectiveDate <FctvDt>	[0..1]	Text		1084
	ExpiryDate <XpryDt>	[0..1]	Text		1084
	Track1 <Trck1>	[0..1]	Text		1084
	Track2 <Trck2>	[0..1]	Text		1084
	Track3 <Trck3>	[0..1]	Text		1084
	CardCountryCode <CardCtryCd>	[0..1]	Text		1084
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1084
	ElectronicPurseBalance <ElctrncPrsBal>	[0..1]	Amount	C6	1085

31.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode that used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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).

31.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicate the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.1.6.3 ProtectedCardData <PrctcdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrctcdCardData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

31.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1083
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1084
	EffectiveDate <FctvDt>	[0..1]	Text		1084
	ExpiryDate <XpryDt>	[0..1]	Text		1084
	Track1 <Trck1>	[0..1]	Text		1084
	Track2 <Trck2>	[0..1]	Text		1084
	Track3 <Trck3>	[0..1]	Text		1084

31.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

31.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

31.4.3.1.6.4.3 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 1482

31.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

31.4.3.1.6.4.5 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 1485

31.4.3.1.6.4.6 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 1483

31.4.3.1.6.4.7 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 1481

31.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

31.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

31.4.3.1.6.7 ElectronicPurseBalance <ElctrncPrsBal>

Presence: [0..1]

Definition: Balance of the captured card or epurse if available.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

31.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		1085
	Service <Svc>	[0..1]			1085
	ServiceReference <SvcRef>	[0..1]	Text		1086
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1086
	HostServiceCode <HstSvcCd>	[0..1]	Text		1086
	ServiceType <SvcTp>	[1..1]	CodeSet		1086
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1086
	CashBack <CshBck>	[0..1]	Indicator		1087
	MultiAccount <MultiAcct>	[0..1]	Indicator		1087
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1087

31.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

31.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Deposit service provided by the ATM inside the session.

Service <Svc> contains the following **ATMSvc13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		1086
	ATMSvcCode <ATMSvcCd>	[0..1]	Text		1086
	HostSvcCode <HstSvcCd>	[0..1]	Text		1086
	ServiceType <SvcTp>	[1..1]	CodeSet		1086
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1086
	CashBack <CshBck>	[0..1]	Indicator		1087
	MultiAccount <MultiAcct>	[0..1]	Indicator		1087
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1087

31.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the deposit service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

31.4.3.2.2.2 ATMSvcCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

31.4.3.2.2.3 HostSvcCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

31.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of deposit service selected by the customer.

Datatype: "ATMSvcType6Code" on page 1451

CodeName	Name	Definition
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.

31.4.3.2.2.5 ServiceVariantIdentification <SvcVarntld>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

31.4.3.2.2.6 CashBack <CshBck>

Presence: [0..1]

Definition: True if deposit with cash back transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.2.2.7 MultiAccount <MultiAcct>

Presence: [0..1]

Definition: True if the deposit transaction is split in multiple accounts.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.2.2.8 PartialDeposit <PrtlDpst>

Presence: [0..1]

Definition: True if this is not the final deposit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Deposit transaction for which the completion is sent.

Transaction <Tx> contains the following **ATMTransaction51** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		1093
	TransactionStatus <TxSts>	[1..1]	CodeSet		1093
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1093
	Incident <IncDnt>	[0..*]	CodeSet		1094
	IncidentDetail <IncDntDtl>	[0..*]	Text		1096
	TotalDepositedAmount <TtlDpstdAmt>	[1..*]	±		1096
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..*]	Amount		1096
	TotalRequestedAmount <TtlReqdAmt>	[0..*]	Amount		1096
	DetailedRequestedAmount <DtlReqdAmt>	[0..1]			1096
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1097
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1097
	Currency <Ccy>	[0..1]	CodeSet	C1	1097
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1097
	Fees <Fees>	[0..*]	±		1097
	Donation <Dontn>	[0..*]	±		1098
	SubDeposit <SubDpst>	[0..*]			1098
	SubDepositIdentification <SubDpstId>	[0..1]	Text		1101
	AccountData <AcctData>	[0..*]			1101
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1103
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1103
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1103
	AccountName <AcctNm>	[0..1]	Text		1104
	AccountOwner <AcctOwnr>	[0..1]			1104
	Name <Nm>	[1..1]	Text		1105
	Address <Adr>	[1..1]	±		1105
	Currency <Ccy>	[0..1]	CodeSet	C1	1105
	AccountIdentifier <AcctIdr>	[0..1]			1106
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1106
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1106
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1106
Or	DomesticAccount <DmstAcct>	[1..1]			1107

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1107
Or	MSISDN <MSISDN>	[1..1]	Text		1107
Or}	Email <Email>	[1..1]	Text		1107
	CreditReference <CdtRef>	[0..1]	Text		1107
	Servicer <Svcr>	[0..1]			1107
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1108
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1108
	Balance <Bal>	[0..1]			1108
	Amount <Amt>	[1..1]	Amount	C6	1109
	Sign <Sgn>	[0..1]	Indicator		1109
	Date <Dt>	[0..1]	Date		1109
	Label <Lbl>	[0..1]	Text		1109
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1109
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1110
	Limits <Lmts>	[0..1]			1110
	Currency <Ccy>	[0..1]	CodeSet	C1	1111
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1111
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1111
	AdditionalAmount <AddtlAmt>	[0..*]			1111
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Lbl>	[0..1]	Text		1112
	DepositLimits <DpstLmts>	[0..*]			1112
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113
	ProtectedAccountData <PrctcdAcctData>	[0..*]	±		1114
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1114

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1114
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1114
	Currency <Ccy>	[0..1]	CodeSet	C1	1114
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1115
	Fees <Fees>	[0..*]	±		1115
	Donation <Dontn>	[0..*]	±		1115
	DepositedMedia <DpstdMdia>	[0..*]			1115
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1116
	MediaType <MdiaTp>	[1..1]	CodeSet		1116
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1117
	MediaItem <Mdialtm>	[1..*]			1117
	MediaIdentification <Mdiald>	[0..1]	Text		1118
	Count <Cnt>	[0..1]	Quantity		1118
	UnitValue <UnitVal>	[0..1]	Amount		1118
	Currency <Ccy>	[0..1]	CodeSet	C1	1118
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1119
	CodeLine <CdLine>	[0..1]	Text		1119
	ScannedValue <ScnndVal>	[0..1]	Amount		1119
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1119
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1119
	RejectedReason <RjctdRsn>	[0..1]	Text		1120
	Reference <Ref>	[0..1]	Text		1120
	AdditionalData <AddtlData>	[0..*]			1120
	Name <Nm>	[1..1]	Text		1120
	Value <Val>	[0..1]	Text		1120
	AdditionalCharge <AddtlChrg>	[0..*]	±		1120
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		1121
	ReceiptPrinted <RctPrtd>	[0..1]	Indicator		1121
	AuthorisationResult <AuthstnRslt>	[0..1]			1121
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1122
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1123

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponseTrace <RspnTrac>	[0..*]			1123
	ResponderIdentification <RspndrId>	[1..1]	Text		1123
	Codification <Cdfctn>	[0..1]	Text		1123
	Response <Rspn>	[1..1]	Text		1124
	ResponseReason <RspnRsn>	[0..1]	Text		1124
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1124
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1124
	Action <Actn>	[0..*]			1124
	ActionType <ActnTp>	[1..1]	CodeSet		1124
	MessageToPresent <MsgToPres>	[0..1]			1125
	Format <Frmt>	[0..1]	CodeSet		1125
	Message <Msg>	[0..1]	Text		1126
	Reference <Ref>	[0..1]	Text		1126
	Device <Dvc>	[0..1]	CodeSet		1126
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1126
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1126
	FeeToAdd <FeeToAdd>	[0..*]			1128
	Amount <Amt>	[1..1]	Amount		1128
	Currency <Ccy>	[0..1]	CodeSet	C1	1128
	FeeLabel <FeeLbl>	[0..1]	Text		1129
	ToBeReconciledMediaCounters <ToBeRncldMdiaCntrs>	[0..*]			1129
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1129
	MediaType <MdiaTp>	[1..1]	CodeSet		1130
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1130
	MediaItem <MdiaItm>	[1..*]			1130
	MediaIdentification <MdiaId>	[0..1]	Text		1131
	Count <Cnt>	[0..1]	Quantity		1131
	UnitValue <UnitVal>	[0..1]	Amount		1131
	Currency <Ccy>	[0..1]	CodeSet	C1	1131
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1132
	CodeLine <CdLine>	[0..1]	Text		1132

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ScannedValue <ScnndVal>	[0..1]	Amount		1132
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1132
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1132
	RejectedReason <RjctdRsn>	[0..1]	Text		1133
	Reference <Ref>	[0..1]	Text		1133
	AdditionalData <AddtlData>	[0..*]			1133
	Name <Nm>	[1..1]	Text		1133
	Value <Val>	[0..1]	Text		1133
	ATMTotals <ATMTtls>	[0..*]	±		1133
	Cassette <Csstt>	[0..*]			1134
	PhysicalIdentification <PhysId>	[0..1]	Text		1136
	LogicalIdentification <LogclId>	[1..1]	Text		1136
	SerialNumber <SrlNb>	[0..1]	Text		1136
	Type <Tp>	[1..1]	CodeSet		1136
	SubType <SubTp>	[0..*]	CodeSet		1136
	MediaType <MdiaTp>	[0..1]	CodeSet		1137
	MediaCounters <MdiaCntrs>	[0..*]			1137
	UnitValue <UnitVal>	[0..1]	Amount		1138
	Currency <Ccy>	[0..1]	CodeSet	C1	1138
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1139
	InitialCount <InitlCnt>	[0..1]	Quantity		1139
	CurrentNumber <CurNb>	[1..1]	Quantity		1139
	CurrentAmount <CurAmt>	[0..1]	Amount		1139
	FlowTotals <FlowTtls>	[0..*]			1139
	Type <Tp>	[1..1]	CodeSet		1140
	AddedNumber <AddedNb>	[0..1]	Quantity		1140
	RemovedNumber <RmvdNb>	[0..1]	Quantity		1141
	RemovedAmount <RmvdAmt>	[0..1]	Amount		1141
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		1141
	DepositedNumber <DpstdNb>	[0..1]	Quantity		1141
	DepositedAmount <DpstdAmt>	[0..1]	Amount		1141

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RecycledNumber <RcycldNb>	[0..1]	Quantity		1141
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		1141
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		1141
	RejectedNumber <RjctdNb>	[0..1]	Quantity		1142
	PresentedNumber <PresntdNb>	[0..1]	Quantity		1142
	InitialNumber <InitlNb>	[0..1]	Quantity		1142
	InitialAmount <InitlAmt>	[0..1]	Amount		1142
	CassetteStatus <CssttSts>	[0..1]	CodeSet		1142
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1143

31.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

31.4.3.3.2 TransactionStatus <TxSts>

Presence: [1..1]

Definition: Outcome of the financial transaction for the customer.

Datatype: ["ATMTransactionStatus1Code"](#) on page 1453

CodeName	Name	Definition
DOBT	Doubt	Undetermined status, for instance possibly forgotten notes.
FAIL	Failure	Transaction failed.
SCSS	Success	Transaction was successfully completed.

31.4.3.3.3 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: ["Max35Text"](#) on page 1483

31.4.3.3.4 Incident <IncDnt>

Presence: [0..*]

Definition: Incident occurring during the processing of the transaction.

Datatype: "FailureReason9Code" on page 1462

CodeName	Name	Definition
CDCP	CardCaptured	ATM manager has requested to capture the card.
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CDER	CardError	Unable to complete transaction with the card.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CUDC	CustomerDecline	Customer has declined additional fees or a lower amount, transaction fails.
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
FILL	FulfillmentError	Unable to fulfil, for instance dispensing the cash.
MALF	Malfunction	Suspected malfunction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCPT	UnableToCapture	Unable to capture the card as requested.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
CSRV	OutOfCustomerService	ATM manager has requested to the ATM to stop customer services.
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CUTO	CustomerTimeOut	Customer has not been performed in time an action.

CodeName	Name	Definition
RJCT	Reject	The ATM Manager has sent an ATMReject message in response to an authorisation request.
FMTE	FormatError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were badly formatted (for example an integer value where a dateTime value was expected).
VLTE	ValidationError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were invalid (for example an incorrect ExchangeIdentifier).
CHFG	CashDispenserRetract	Following a cash dispense operation the consumer forgot to take the notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is unknown.
DCFG	CashDepositRetract	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is unknown.
CQFG	ChequeDepositRetract	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is unknown.
DFGC	CashDepositRetractCounted	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is known as the device was able to count the notes retracted.
CFGC	CashDispenserRetractCounted	Following a cash dispense operation the consumer forgot to take the returned notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is known as the device was able to count the notes retracted.
QFGC	ChequeDepositRetractCounted	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is known as the device was able to count the cheques retracted.
CQRT	ChequesRetained	Cheques have been retained by the terminal since it has been unable to return them.
DCRT	DepositsRetained	Cash has been retained by the terminal since it has been unable to return it.

CodeName	Name	Definition
RSTR	Restart	The ATM has restarted.

31.4.3.3.5 IncidentDetail <IncDntDtl>

Presence: [0..*]

Definition: Explanation of the incident.

Datatype: "Max70Text" on page 1485

31.4.3.3.6 TotalDepositedAmount <TtlDpstdAmt>

Presence: [1..*]

Definition: Total amount deposited by the customer.

TotalDepositedAmount <TtlDpstdAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

31.4.3.3.7 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [1..*]

Definition: Total authorised amount of the deposit transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.8 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..*]

Definition: Total requested amount.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.9 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Amounts of the deposit transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following **DetailedAmount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1097
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1097
	Currency <Ccy>	[0..1]	CodeSet	C1	1097
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1097
	Fees <Fees>	[0..*]	±		1097
	Donation <Dontn>	[0..*]	±		1098

31.4.3.3.9.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

31.4.3.3.9.2 AmountToDeposit <AmtToDpst>

Presence: [0..1]

Definition: Amount of the deposit to be made on the ATM after the approval of the deposit transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.9.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to deposit when different from the base currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.9.4 CashBackAmount <CshBckAmt>

Presence: [0..1]

Definition: Cashback amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.9.5 Fees <Fees>

Presence: [0..*]

Definition: Deposit fees, accepted by the customer.

Fees <Fees> contains the following elements (see "[DetailedAmount13](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

31.4.3.3.9.6 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following elements (see "[DetailedAmount13](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

31.4.3.3.10 SubDeposit <SubDpst>

Presence: [0..*]

Definition: Set of deposit transactions.

SubDeposit <SubDpst> contains the following **ATMDepositComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SubDepositIdentification <SubDpstId>	[0..1]	Text		1101
	AccountData <AcctData>	[0..*]			1101
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1103
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1103
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1103
	AccountName <AcctNm>	[0..1]	Text		1104
	AccountOwner <AcctOwnr>	[0..1]			1104
	Name <Nm>	[1..1]	Text		1105
	Address <Adr>	[1..1]	±		1105
	Currency <Ccy>	[0..1]	CodeSet	C1	1105
	AccountIdentifier <AcctIdr>	[0..1]			1106
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1106
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1106
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1106
Or	DomesticAccount <DmstAcct>	[1..1]			1107
	Identification <Id>	[1..1]	Text		1107
Or	MSISDN <MSISDN>	[1..1]	Text		1107
Or}	Email <Email>	[1..1]	Text		1107
	CreditReference <CdtRef>	[0..1]	Text		1107
	Servicer <Svcr>	[0..1]			1107
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1108
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1108
	Balance <Bal>	[0..1]			1108
	Amount <Amt>	[1..1]	Amount	C6	1109
	Sign <Sgn>	[0..1]	Indicator		1109
	Date <Dt>	[0..1]	Date		1109
	Label <Labl>	[0..1]	Text		1109
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1109
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1110
	Limits <Lmts>	[0..1]			1110
	Currency <Ccy>	[0..1]	CodeSet	C1	1111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1111
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1111
	AdditionalAmount <AddtlAmt>	[0..*]			1111
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Lbl>	[0..1]	Text		1112
	DepositLimits <DpstLmts>	[0..*]			1112
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113
	ProtectedAccountData <PrctcdAcctData>	[0..*]	±		1114
	DetailedRequestedAmount <DtldReqdAmt>	[0..*]			1114
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1114
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1114
	Currency <Ccy>	[0..1]	CodeSet	C1	1114
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1115
	Fees <Fees>	[0..*]	±		1115
	Donation <Dontn>	[0..*]	±		1115
	DepositedMedia <DpstdMdia>	[0..*]			1115
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1116
	MediaType <MdiaTp>	[1..1]	CodeSet		1116
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1117
	MediaItem <Mdialtm>	[1..*]			1117
	MediaIdentification <Mdiald>	[0..1]	Text		1118
	Count <Cnt>	[0..1]	Quantity		1118
	UnitValue <UnitVal>	[0..1]	Amount		1118
	Currency <Ccy>	[0..1]	CodeSet	C1	1118
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1119

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CodeLine <CdLine>	[0..1]	Text		1119
	ScannedValue <ScnndVal>	[0..1]	Amount		1119
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1119
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1119
	RejectedReason <RjctdRsn>	[0..1]	Text		1120
	Reference <Ref>	[0..1]	Text		1120
	AdditionalData <AddtlData>	[0..*]			1120
	Name <Nm>	[1..1]	Text		1120
	Value <Val>	[0..1]	Text		1120

31.4.3.3.10.1 SubDepositIdentification <SubDpstId>

Presence: [0..1]

Definition: Identification of the deposit transaction in a sequence of deposit transactions.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.2 AccountData <AcctData>

Presence: [0..*]

Definition: Information related to the creditor's account.

AccountData <AcctData> contains the following **CardAccount21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1103
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1103
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1103
	AccountName <AcctNm>	[0..1]	Text		1104
	AccountOwner <AcctOwnr>	[0..1]			1104
	Name <Nm>	[1..1]	Text		1105
	Address <Adr>	[1..1]	±		1105
	Currency <Ccy>	[0..1]	CodeSet	C1	1105
	AccountIdentifier <AcctIdr>	[0..1]			1106
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1106
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1106
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1106
Or	DomesticAccount <DmstAcct>	[1..1]			1107
	Identification <Id>	[1..1]	Text		1107
Or	MSISDN <MSISDN>	[1..1]	Text		1107
Or}	Email <Email>	[1..1]	Text		1107
	CreditReference <CdtRef>	[0..1]	Text		1107
	Servicer <Svcr>	[0..1]			1107
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1108
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1108
	Balance <Bal>	[0..1]			1108
	Amount <Amt>	[1..1]	Amount	C6	1109
	Sign <Sgn>	[0..1]	Indicator		1109
	Date <Dt>	[0..1]	Date		1109
	Label <Labl>	[0..1]	Text		1109
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1109
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1110
	Limits <Lmts>	[0..1]			1110
	Currency <Ccy>	[0..1]	CodeSet	C1	1111
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1111
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1111

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AdditionalAmount <AddtlAmt>	[0..*]			1111
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Lbl>	[0..1]	Text		1112
	DepositLimits <DpstLmts>	[0..*]			1112
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113

31.4.3.3.10.2.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Sequence number of the account data for multi-account deposit.

Datatype: "Number" on page 1480

31.4.3.3.10.2.2 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

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

31.4.3.3.10.2.3 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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.

31.4.3.3.10.2.4 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

31.4.3.3.10.2.5 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1105
	Address <Adr>	[1..1]	±		1105

31.4.3.3.10.2.5.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

31.4.3.3.10.2.5.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

31.4.3.3.10.2.6 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

31.4.3.3.10.2.7 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1106
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1106
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1106
Or	DomesticAccount <DmstAcct>	[1..1]			1107
	Identification <Id>	[1..1]	Text		1107
Or	MSISDN <MSISDN>	[1..1]	Text		1107
Or}	Email <Email>	[1..1]	Text		1107

31.4.3.3.10.2.7.1 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 1479

Constraints

- **IBAN**

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

31.4.3.3.10.2.7.2 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 1479

31.4.3.3.10.2.7.3 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: "UPIIdentifier" on page 1480

31.4.3.3.10.2.7.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1107

31.4.3.3.10.2.7.4.1 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 1483

31.4.3.3.10.2.7.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

31.4.3.3.10.2.7.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

31.4.3.3.10.2.8 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

31.4.3.3.10.2.9 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1108
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1108

31.4.3.3.10.2.9.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

31.4.3.3.10.2.9.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

31.4.3.3.10.2.10 Balance <Bal>

Presence: [0..1]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1109
	Sign <Sgn>	[0..1]	Indicator		1109
	Date <Dt>	[0..1]	Date		1109
	Label <Labl>	[0..1]	Text		1109

31.4.3.3.10.2.10.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

31.4.3.3.10.2.10.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

31.4.3.3.10.2.10.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

31.4.3.3.10.2.10.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.2.11 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.3.10.2.12 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.3.10.2.13 Limits <Lmts>

Presence: [0..1]

Definition: Limit of amounts for the customer.

Limits <Lmts> contains the following **ATMTransactionAmounts11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1111
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1111
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1111
	AdditionalAmount <AddtlAmt>	[0..*]			1111
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Labl>	[0..1]	Text		1112
	DepositLimits <DpstLmts>	[0..*]			1112
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113

31.4.3.3.10.2.13.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.10.2.13.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.2.13.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.2.13.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1111
	Amount <Amt>	[1..1]	Amount		1111
	Currency <Ccy>	[0..1]	CodeSet	C1	1112
	Label <Lab>	[0..1]	Text		1112

31.4.3.3.10.2.13.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

31.4.3.3.10.2.13.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.2.13.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.10.2.13.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.2.13.5 DepositLimits <DpstLmts>

Presence: [0..*]

Definition: Limit of deposited media for the customer.

DepositLimits <DpstLmts> contains the following **ATMTransactionAmounts10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[1..1]	CodeSet		1112
	Currency <Ccy>	[0..1]	CodeSet	C1	1113
	MinimumNumber <MinNb>	[0..1]	Quantity		1113
	MaximumNumber <MaxNb>	[0..1]	Quantity		1113
	DisplayFlag <DispFlg>	[0..1]	Indicator		1113

31.4.3.3.10.2.13.5.1 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.

CodeName	Name	Definition
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

31.4.3.3.10.2.13.5.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.10.2.13.5.3 MinimumNumber <MinNb>

Presence: [0..1]

Definition: Minimum number of media.

Datatype: "Number" on page 1480

31.4.3.3.10.2.13.5.4 MaximumNumber <MaxNb>

Presence: [0..1]

Definition: Maximum number of media.

Datatype: "Number" on page 1480

31.4.3.3.10.2.13.5.5 DisplayFlag <DispFlg>

Presence: [0..1]

Definition: True if limits may be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.3.10.3 ProtectedAccountData <PrtctdAcctData>

Presence: [0..*]

Definition: Secured account information.

ProtectedAccountData <PrtctdAcctData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

31.4.3.3.10.4 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..*]

Definition: Amounts of the deposit transaction.

DetailedRequestedAmount <DtldReqdAmt> contains the following **DetailedAmount16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1114
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1114
	Currency <Ccy>	[0..1]	CodeSet	C1	1114
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1115
	Fees <Fees>	[0..*]	±		1115
	Donation <Dontn>	[0..*]	±		1115

31.4.3.3.10.4.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

31.4.3.3.10.4.2 AmountToDeposit <AmtToDpst>

Presence: [0..1]

Definition: Amount of the deposit to be made on the ATM after the approval of the deposit transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to deposit when different from the base currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.10.4.4 CashBackAmount <CshBckAmt>

Presence: [0..1]

Definition: Cashback amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.4.5 Fees <Fees>

Presence: [0..*]

Definition: Deposit fees, accepted by the customer.

Fees <Fees> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

31.4.3.3.10.4.6 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

31.4.3.3.10.5 DepositedMedia <DpstdMdia>

Presence: [0..*]

Definition: Set of deposited media put in the safe.

DepositedMedia <DpstdMdia> contains the following **ATMDepositedMedia4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1116
	MediaType <MdiaTp>	[1..1]	CodeSet		1116
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1117
	Medialtem <MdiaItm>	[1..*]			1117
	Medialdidentification <MdiaId>	[0..1]	Text		1118
	Count <Cnt>	[0..1]	Quantity		1118
	UnitValue <UnitVal>	[0..1]	Amount		1118
	Currency <Ccy>	[0..1]	CodeSet	C1	1118
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1119
	CodeLine <CdLine>	[0..1]	Text		1119
	ScannedValue <ScnndVal>	[0..1]	Amount		1119
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1119
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1119
	RejectedReason <RjctdRsn>	[0..1]	Text		1120
	Reference <Ref>	[0..1]	Text		1120
	AdditionalData <AddtlData>	[0..*]			1120
	Name <Nm>	[1..1]	Text		1120
	Value <Val>	[0..1]	Text		1120

31.4.3.3.10.5.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

31.4.3.3.10.5.2 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of deposited media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.

CodeName	Name	Definition
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

31.4.3.3.10.5.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of deposited media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

31.4.3.3.10.5.4 MediaItem <Mdialtm>

Presence: [1..*]

Definition: Media item that are deposited.

Medialtem <Mdialtm> contains the following **ATMDepositedMedialtem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Medialidentification <Mdiald>	[0..1]	Text		1118
	Count <Cnt>	[0..1]	Quantity		1118
	UnitValue <UnitVal>	[0..1]	Amount		1118
	Currency <Ccy>	[0..1]	CodeSet	C1	1118
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1119
	CodeLine <CdLine>	[0..1]	Text		1119
	ScannedValue <ScnndVal>	[0..1]	Amount		1119
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1119
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1119
	RejectedReason <RjctdRsn>	[0..1]	Text		1120
	Reference <Ref>	[0..1]	Text		1120
	AdditionalData <AddtlData>	[0..*]			1120
	Name <Nm>	[1..1]	Text		1120
	Value <Val>	[0..1]	Text		1120

31.4.3.3.10.5.4.1 Medialidentification <Mdiald>

Presence: [0..1]

Definition: Within a list of Medialtems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of Medialtems.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.5.4.2 Count <Cnt>

Presence: [0..1]

Definition: Number of deposit media.

Datatype: "Number" on page 1480

31.4.3.3.10.5.4.3 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount or denomination of one media item, if the media type is valued or entered by the customer.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.5.4.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of media items, if valued and different from base currency.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.10.5.4.5 CodeLineFormat <CdLineFrmt>

Presence: [0..1]

Definition: Format of the check code line.

Datatype: "CheckCodeLine1Code" on page 1457

CodeName	Name	Definition
CMC7	CMC7	Magnetic ink character digitally encoded with 7 sticks.
E13B	E13B	Magnetic ink character recognition., conform to ISO 1004.
OCRA	OCRA	Optical character recognition font A, conform to ANSI X3.17: 1981.
OCRB	OCRB	Optical character recognition font B, conform to ANSI X3.49: 1975.
OCRF	OCRDefault	Default optical character recognition used.

31.4.3.3.10.5.4.6 CodeLine <CdLine>

Presence: [0..1]

Definition: Check code line.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.5.4.7 ScannedValue <ScndVal>

Presence: [0..1]

Definition: Check amount scanned by the check reader.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.10.5.4.8 ConfidenceLevel <CnfdncLvl>

Presence: [0..1]

Definition: Percentage of the confidence in the check amount.

Datatype: "PercentageRate" on page 1481

31.4.3.3.10.5.4.9 MediaStatus <MdiaSts>

Presence: [0..1]

Definition: Status of the deposit transaction.

Datatype: "ATMMediaStatus1Code" on page 1445

CodeName	Name	Definition
ACPT	Accepted	Item (such as a check) has been accepted.
REJT	Rejected	Item (such as a check) has been rejected.

31.4.3.3.10.5.4.10 RejectedReason <RjctdRsn>

Presence: [0..1]

Definition: The reason a media item (such as a check) has been rejected. This may be used to inform the cardholder.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.5.4.11 Reference <Ref>

Presence: [0..1]

Definition: String that uniquely identifies the media item in the FI's bank system. This may be used for traceability reasons.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.5.4.12 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Key value pair which is associated with the media item. This provides flexibility to model some ad hoc data a FI wishes to pass through to the ATM.

AdditionalData <AddtlData> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1120
	Value <Val>	[0..1]	Text		1120

31.4.3.3.10.5.4.12.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1485

31.4.3.3.10.5.4.12.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1482

31.4.3.3.11 AdditionalCharge <AddtlChrg>

Presence: [0..*]

Definition: Additional charge (for instance tax or fee).

AdditionalCharge <AddtlChrg> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Lbl>	[0..1]	Text		1322

31.4.3.3.12 RequestedReceipt <ReqdRct>

Presence: [0..1]

Definition: True if the customer has requested a receipt.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.3.13 ReceiptPrinted <RctPrtd>

Presence: [0..1]

Definition: True if a receipt has been printed and presented to the customer.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

31.4.3.3.14 AuthorisationResult <AuthstnRslt>

Presence: [0..1]

Definition: Outcome of the deposit authorisation.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1122
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1123
	ResponseTrace <RspnTrac>	[0..*]			1123
	ResponderIdentification <RspndrId>	[1..1]	Text		1123
	Codification <Cdfctn>	[0..1]	Text		1123
	Response <Rspn>	[1..1]	Text		1124
	ResponseReason <RspnRsn>	[0..1]	Text		1124
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1124
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1124
	Action <Actn>	[0..*]			1124
	ActionType <ActnTp>	[1..1]	CodeSet		1124
	MessageToPresent <MsgToPres>	[0..1]			1125
	Format <Frmt>	[0..1]	CodeSet		1125
	Message <Msg>	[0..1]	Text		1126
	Reference <Ref>	[0..1]	Text		1126
	Device <Dvc>	[0..1]	CodeSet		1126
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1126
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1126
	FeeToAdd <FeeToAdd>	[0..*]			1128
	Amount <Amt>	[1..1]	Amount		1128
	Currency <Ccy>	[0..1]	CodeSet	C1	1128
	FeeLabel <FeeLbl>	[0..1]	Text		1129

31.4.3.3.14.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

31.4.3.3.14.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see ["ResponseType12"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

31.4.3.3.14.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		1123
	Codification <Cdfctn>	[0..1]	Text		1123
	Response <Rspn>	[1..1]	Text		1124
	ResponseReason <RspnRsn>	[0..1]	Text		1124
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1124

31.4.3.3.14.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: ["Max35Text"](#) on page 1483

31.4.3.3.14.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

31.4.3.3.14.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

31.4.3.3.14.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

31.4.3.3.14.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

31.4.3.3.14.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

31.4.3.3.14.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		1124
	MessageToPresent <MsgToPres>	[0..1]			1125
	Format <Frmt>	[0..1]	CodeSet		1125
	Message <Msg>	[0..1]	Text		1126
	Reference <Ref>	[0..1]	Text		1126
	Device <Dvc>	[0..1]	CodeSet		1126
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1126
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1126

31.4.3.3.14.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

31.4.3.3.14.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1125
	Message <Msg>	[0..1]	Text		1126
	Reference <Ref>	[0..1]	Text		1126
	Device <Dvc>	[0..1]	CodeSet		1126
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1126

31.4.3.3.14.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

31.4.3.3.14.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

31.4.3.3.14.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

31.4.3.3.14.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

31.4.3.3.14.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

31.4.3.3.14.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

31.4.3.3.14.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1128
	Currency <Ccy>	[0..1]	CodeSet	C1	1128
	FeeLabel <FeeLabl>	[0..1]	Text		1129

31.4.3.3.14.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.14.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

31.4.3.3.14.6.3 FeeLabel <FeeLbl>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

31.4.3.3.15 ToBeReconciledMediaCounters <ToBeRcnclMdMdiaCntrs>

Presence: [0..*]

Definition: Media unit not put in the safe. These deposits have to be reconciliated.

ToBeReconciledMediaCounters <ToBeRcnclMdMdiaCntrs> contains the following **ATMDepositedMedia4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountSequenceNumber <AcctSeqNb>	[0..1]	Quantity		1129
	MediaType <MdiaTp>	[1..1]	CodeSet		1130
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1130
	MediaItem <Mdialtm>	[1..*]			1130
	MediaIdentification <Mdiald>	[0..1]	Text		1131
	Count <Cnt>	[0..1]	Quantity		1131
	UnitValue <UnitVal>	[0..1]	Amount		1131
	Currency <Ccy>	[0..1]	CodeSet	C1	1131
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1132
	CodeLine <CdLine>	[0..1]	Text		1132
	ScannedValue <ScrndVal>	[0..1]	Amount		1132
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1132
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1132
	RejectedReason <RjctdRsn>	[0..1]	Text		1133
	Reference <Ref>	[0..1]	Text		1133
	AdditionalData <AddtlData>	[0..*]			1133
	Name <Nm>	[1..1]	Text		1133
	Value <Val>	[0..1]	Text		1133

31.4.3.3.15.1 AccountSequenceNumber <AcctSeqNb>

Presence: [0..1]

Definition: Link to the account for multi-account deposit.

Datatype: "Number" on page 1480

31.4.3.3.15.2 MediaType <MdiaTp>

Presence: [1..1]

Definition: Type of deposited media.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

31.4.3.3.15.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of deposited media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

31.4.3.3.15.4 MediaItem <MdiaItm>

Presence: [1..*]

Definition: Media item that are deposited.

Medialtem <Mdialtm> contains the following **ATMDepositedMedialtem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Medialdentification <Mdiald>	[0..1]	Text		1131
	Count <Cnt>	[0..1]	Quantity		1131
	UnitValue <UnitVal>	[0..1]	Amount		1131
	Currency <Ccy>	[0..1]	CodeSet	C1	1131
	CodeLineFormat <CdLineFrmt>	[0..1]	CodeSet		1132
	CodeLine <CdLine>	[0..1]	Text		1132
	ScannedValue <ScnndVal>	[0..1]	Amount		1132
	ConfidenceLevel <CnfdncLvl>	[0..1]	Rate		1132
	MediaStatus <MdiaSts>	[0..1]	CodeSet		1132
	RejectedReason <RjctdRsn>	[0..1]	Text		1133
	Reference <Ref>	[0..1]	Text		1133
	AdditionalData <AddtlData>	[0..*]			1133
	Name <Nm>	[1..1]	Text		1133
	Value <Val>	[0..1]	Text		1133

31.4.3.3.15.4.1 Medialdentification <Mdiald>

Presence: [0..1]

Definition: Within a list of Medialtems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of Medialtems.

Datatype: "Max70Text" on page 1485

31.4.3.3.15.4.2 Count <Cnt>

Presence: [0..1]

Definition: Number of deposit media.

Datatype: "Number" on page 1480

31.4.3.3.15.4.3 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount or denomination of one media item, if the media type is valued or entered by the customer.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.15.4.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of media items, if valued and different from base currency.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

31.4.3.3.15.4.5 CodeLineFormat <CdLineFrmt>

Presence: [0..1]

Definition: Format of the check code line.

Datatype: "CheckCodeLine1Code" on page 1457

CodeName	Name	Definition
CMC7	CMC7	Magnetic ink character digitally encoded with 7 sticks.
E13B	E13B	Magnetic ink character recognition., conform to ISO 1004.
OCRA	OCRA	Optical character recognition font A, conform to ANSI X3.17: 1981.
OCRB	OCRB	Optical character recognition font B, conform to ANSI X3.49: 1975.
OCRF	OCRDefault	Default optical character recognition used.

31.4.3.3.15.4.6 CodeLine <CdLine>

Presence: [0..1]

Definition: Check code line.

Datatype: "Max70Text" on page 1485

31.4.3.3.15.4.7 ScannedValue <ScndVal>

Presence: [0..1]

Definition: Check amount scanned by the check reader.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.15.4.8 ConfidenceLevel <CnfdncLvl>

Presence: [0..1]

Definition: Percentage of the confidence in the check amount.

Datatype: "PercentageRate" on page 1481

31.4.3.3.15.4.9 MediaStatus <MdiaSts>

Presence: [0..1]

Definition: Status of the deposit transaction.

Datatype: "ATMMediaStatus1Code" on page 1445

CodeName	Name	Definition
ACPT	Accepted	Item (such as a check) has been accepted.
REJT	Rejected	Item (such as a check) has been rejected.

31.4.3.3.15.4.10 RejectedReason <RjctdRsn>

Presence: [0..1]

Definition: The reason a media item (such as a check) has been rejected. This may be used to inform the cardholder.

Datatype: "Max70Text" on page 1485

31.4.3.3.15.4.11 Reference <Ref>

Presence: [0..1]

Definition: String that uniquely identifies the media item in the FI's bank system. This may be used for traceability reasons.

Datatype: "Max70Text" on page 1485

31.4.3.3.15.4.12 AdditionalData <AddtlData>

Presence: [0..*]

Definition: Key value pair which is associated with the media item. This provides flexibility to model some ad hoc data a FI wishes to pass through to the ATM.

AdditionalData <AddtlData> contains the following **GenericInformation1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1133
	Value <Val>	[0..1]	Text		1133

31.4.3.3.15.4.12.1 Name <Nm>

Presence: [1..1]

Definition: Name of the generic information to exchange.

Datatype: "Max70Text" on page 1485

31.4.3.3.15.4.12.2 Value <Val>

Presence: [0..1]

Definition: Value of the generic information to exchange.

Datatype: "Max140Text" on page 1482

31.4.3.3.16 ATMTotals <ATMTtls>

Presence: [0..*]

Definition: Current totals of the ATM.

ATMTotals <ATMTtls> contains the following elements (see "ATMTotals4" on page 1322 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1323
	ATMBalance <ATMBal>	[0..1]	Amount		1323
	ATMCurrent <ATMCur>	[0..1]	Amount		1323
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1323
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1324

31.4.3.3.17 Cassette <Csstt>

Presence: [0..*]

Definition: Information on the cassettes of the ATM.

Cassette <Csstt> contains the following **ATMCassette3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PhysicalIdentification <PhysId>	[0..1]	Text		1136
	LogicalIdentification <LogcId>	[1..1]	Text		1136
	SerialNumber <SrlNb>	[0..1]	Text		1136
	Type <Tp>	[1..1]	CodeSet		1136
	SubType <SubTp>	[0..*]	CodeSet		1136
	MediaType <MdiaTp>	[0..1]	CodeSet		1137
	MediaCounters <MdiaCntrs>	[0..*]			1137
	UnitValue <UnitVal>	[0..1]	Amount		1138
	Currency <Ccy>	[0..1]	CodeSet	C1	1138
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1139
	InitialCount <InitlCnt>	[0..1]	Quantity		1139
	CurrentNumber <CurNb>	[1..1]	Quantity		1139
	CurrentAmount <CurAmt>	[0..1]	Amount		1139
	FlowTotals <FlowTtls>	[0..*]			1139
	Type <Tp>	[1..1]	CodeSet		1140
	AddedNumber <AddedNb>	[0..1]	Quantity		1140
	RemovedNumber <RmvdNb>	[0..1]	Quantity		1141
	RemovedAmount <RmvdAmt>	[0..1]	Amount		1141
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		1141
	DepositedNumber <DpstdNb>	[0..1]	Quantity		1141
	DepositedAmount <DpstdAmt>	[0..1]	Amount		1141
	RecycledNumber <RcyclNb>	[0..1]	Quantity		1141
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		1141
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		1141
	RejectedNumber <RjctdNb>	[0..1]	Quantity		1142
	PresentedNumber <PresntdNb>	[0..1]	Quantity		1142
	InitialNumber <InitlNb>	[0..1]	Quantity		1142
	InitialAmount <InitlAmt>	[0..1]	Amount		1142
	CassetteStatus <CssttSts>	[0..1]	CodeSet		1142

31.4.3.3.17.1 PhysicalIdentification <PhysId>

Presence: [0..1]

Definition: Physical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

31.4.3.3.17.2 LogicalIdentification <LogId>

Presence: [1..1]

Definition: Logical identification of the cassette for the ATM.

Datatype: "Max35Text" on page 1483

31.4.3.3.17.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number or unique identification of the cassette hardware.

Datatype: "Max35Text" on page 1483

31.4.3.3.17.4 Type <Tp>

Presence: [1..1]

Definition: Type of cassette.

Datatype: "ATMCassetteType1Code" on page 1440

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

31.4.3.3.17.5 SubType <SubTp>

Presence: [0..*]

Definition: Type of items the cash-in takes.

Datatype: "ATMNoteType1Code" on page 1446

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

31.4.3.3.17.6 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

31.4.3.3.17.7 MediaCounters <MdiaCntrs>

Presence: [0..*]

Definition: Counter per unit value or globally.

MediaCounters <MdiaCntrs> contains the following **ATMCassetteCounters6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UnitValue <UnitVal>	[0..1]	Amount		1138
	Currency <Ccy>	[0..1]	CodeSet	C1	1138
	MediaCategory <MdiaCtgy>	[0..1]	CodeSet		1139
	InitialCount <InitlCnt>	[0..1]	Quantity		1139
	CurrentNumber <CurNb>	[1..1]	Quantity		1139
	CurrentAmount <CurAmt>	[0..1]	Amount		1139
	FlowTotals <FlowTtls>	[0..*]			1139
	Type <Tp>	[1..1]	CodeSet		1140
	AddedNumber <AddedNb>	[0..1]	Quantity		1140
	RemovedNumber <RmvdNb>	[0..1]	Quantity		1141
	RemovedAmount <RmvdAmt>	[0..1]	Amount		1141
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		1141
	DepositedNumber <DpstdNb>	[0..1]	Quantity		1141
	DepositedAmount <DpstdAmt>	[0..1]	Amount		1141
	RecycledNumber <RcycldNb>	[0..1]	Quantity		1141
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		1141
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		1141
	RejectedNumber <RjctdNb>	[0..1]	Quantity		1142
	PresentedNumber <PresntdNb>	[0..1]	Quantity		1142
	InitialNumber <InitlNb>	[0..1]	Quantity		1142
	InitialAmount <InitlAmt>	[0..1]	Amount		1142

31.4.3.3.17.7.1 UnitValue <UnitVal>

Presence: [0..1]

Definition: Amount of one media unit, if the media type is valued.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.17.7.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the media, if the media type is valued and different from the currency of the requested amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

31.4.3.3.17.7.3 MediaCategory <MdiaCtgy>

Presence: [0..1]

Definition: Category of media items.

Datatype: "ATMMediaType3Code" on page 1445

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

31.4.3.3.17.7.4 InitialCount <InitlCnt>

Presence: [0..1]

Definition: Number of media items in cassette after last replenishment.

Datatype: "Number" on page 1480

31.4.3.3.17.7.5 CurrentNumber <CurNb>

Presence: [1..1]

Definition: Current number of media present in the cassette.

Datatype: "Number" on page 1480

31.4.3.3.17.7.6 CurrentAmount <CurAmt>

Presence: [0..1]

Definition: Current amount in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.17.7.7 FlowTotals <FlowTtls>

Presence: [0..*]

Definition: Counters of media inside the cassette.

FlowTotals <FlowTtls> contains the following **ATMCassetteCounters5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1140
	AddedNumber <AddedNb>	[0..1]	Quantity		1140
	RemovedNumber <RmvdNb>	[0..1]	Quantity		1141
	RemovedAmount <RmvdAmt>	[0..1]	Amount		1141
	DispensedNumber <DspnsdNb>	[0..1]	Quantity		1141
	DepositedNumber <DpstdNb>	[0..1]	Quantity		1141
	DepositedAmount <DpstdAmt>	[0..1]	Amount		1141
	RecycledNumber <RcycldNb>	[0..1]	Quantity		1141
	RetractedNumber <RtrctdNb>	[0..1]	Quantity		1141
	RetractedAmount <RtrctdAmt>	[0..1]	Amount		1141
	RejectedNumber <RjctdNb>	[0..1]	Quantity		1142
	PresentedNumber <PresntdNb>	[0..1]	Quantity		1142
	InitialNumber <InitlNb>	[0..1]	Quantity		1142
	InitialAmount <InitlAmt>	[0..1]	Amount		1142

31.4.3.3.17.7.7.1 Type <Tp>

Presence: [1..1]

Definition: Type of counters.

Datatype: "ATMCounterType3Code" on page 1443

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

31.4.3.3.17.7.7.2 AddedNumber <AddedNb>

Presence: [0..1]

Definition: Number of added media during servicing operations.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.3 RemovedNumber <RmvdNb>

Presence: [0..1]

Definition: Number of removed media during servicing operations.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.4 RemovedAmount <RmvdAmt>

Presence: [0..1]

Definition: Amount of removed media during servicing operations.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.17.7.7.5 DispensedNumber <DspnsdNb>

Presence: [0..1]

Definition: Total number of media out of the cassette.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.6 DepositedNumber <DpstdNb>

Presence: [0..1]

Definition: Total number of media deposited in the cassette.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.7 DepositedAmount <DpstdAmt>

Presence: [0..1]

Definition: Amount of media deposited in the cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.17.7.7.8 RecycledNumber <RcycldNb>

Presence: [0..1]

Definition: Total number of recycled media from the cassette.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.9 RetractedNumber <RtrctdNb>

Presence: [0..1]

Definition: Total number of retracted media originating from the cassette.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.10 RetractedAmount <RtrctdAmt>

Presence: [0..1]

Definition: Total amount retracted during operation. Only intended to be used where each of the items in the cassette do not have the same value (for example for retracting checks).

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.17.7.7.11 RejectedNumber <RjctdNb>

Presence: [0..1]

Definition: Total number of media from this cassette which are on the reject bin.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.12 PresentedNumber <PresntdNb>

Presence: [0..1]

Definition: Total number of media presented to the customer.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.13 InitialNumber <InitlNb>

Presence: [0..1]

Definition: Initial number added during a servicing operation.

Datatype: "Number" on page 1480

31.4.3.3.17.7.7.14 InitialAmount <InitlAmt>

Presence: [0..1]

Definition: Initial amount added during a servicing operation.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

31.4.3.3.17.8 CassetteStatus <CssttSts>

Presence: [0..1]

Definition: Status of the cassette. This element may not be provided if the status has not changed from the previous time the cassette information has been provided.

Datatype: "ATMCassetteStatus1Code" on page 1440

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

31.4.3.3.18 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

31.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1143
	AuthenticatedData <AuthntcdData>	[1..1]	±		1143

31.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

31.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

32 catp.015.001.02 ATMDepositCompletionAcknowledgementV02

32.1 MessageDefinition Functionality

The ATMDepositCompletionAcknowledgement message is sent by an acquirer or its agent to an ATM to acknowledge the receipt of an ATMDepositCompletionAdvice message.

Outline

The ATMDepositCompletionAcknowledgementV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMDepositCompletionAcknowledgement
Encrypted body of the message.
- C. ATMDepositCompletionAcknowledgement
Information related to the acknowledgement of an ATM deposit transaction from the ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

32.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMDpstCmpltnAck>	[1..1]			
	Header <Hdr>	[1..1]			1147
	MessageFunction <MsgFctn>	[1..1]			1148
	Function <Fctn>	[1..1]	CodeSet		1148
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1150
	HostServiceCode <HstSvcCd>	[0..1]	Text		1150
	ProtocolVersion <PrtolVrsn>	[1..1]	Text		1150
	ExchangeIdentification <XchgId>	[1..1]	Text		1150
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		1150
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1151
	InitiatingParty <InitgPty>	[1..1]	Text		1151
	RecipientParty <RcptPty>	[0..1]	Text		1151
	ProcessState <PrctStat>	[0..1]	Text		1151
	Traceability <Tracblt>	[0..*]			1151
	RelayIdentification <RlayId>	[1..1]	±		1151
	SequenceNumber <SeqNb>	[0..1]	Text		1152
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		1152
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1152
	ProtectedATMDepositCompletionAcknowledgement <PrctcdATMDpstCmpltnAck>	[0..1]	±		1152
	ATMDepositCompletionAcknowledgement <ATMDpstCmpltnAck>	[0..1]			1152
	ATM <ATM>	[1..1]	±		1153
	Context <Cntxt>	[1..1]			1154
	SessionReference <SsnRef>	[0..1]	Text		1155
	Service <Svc>	[0..1]			1155
	ServiceReference <SvcRef>	[0..1]	Text		1155
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1156
	HostServiceCode <HstSvcCd>	[0..1]	Text		1156
	ServiceType <SvcTp>	[1..1]	CodeSet		1156
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1156

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CashBack <CshBck>	[0..1]	Indicator		1156
	MultiAccount <MultiAcct>	[0..1]	Indicator		1156
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1157
	Transaction <Tx>	[1..1]			1157
	TransactionIdentification <TxId>	[1..1]	±		1157
	Response <Rspn>	[1..1]	CodeSet		1157
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1158
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1162
	Command <Cmd>	[0..*]			1162
	Type <Tp>	[1..1]	CodeSet		1162
	Urgency <Urgcy>	[1..1]	CodeSet		1163
	DateTime <DtTm>	[0..1]	DateTime		1163
	CommandIdentification <CmdId>	[0..1]	±		1163
	CommandParameters <CmdParams>	[0..1]	±		1163
	SecurityTrailer <SctyTrlr>	[0..1]			1164
	ContentType <CnttTp>	[1..1]	CodeSet		1164
	AuthenticatedData <AuthntcdData>	[1..1]	±		1164

32.3 Constraints

C1 Country

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

32.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

32.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header32** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			1148
	Function <Fctn>	[1..1]	CodeSet		1148
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1150
	HostServiceCode <HstSvcCd>	[0..1]	Text		1150
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1150
	ExchangeIdentification <XchgId>	[1..1]	Text		1150
	ReTransmissionCounter <ReTrnsmssnCntr>	[0..1]	Quantity		1150
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1151
	InitiatingParty <InitgPty>	[1..1]	Text		1151
	RecipientParty <RcptPty>	[0..1]	Text		1151
	ProcessState <PrcStat>	[0..1]	Text		1151
	Traceability <Tracblt>	[0..*]			1151
	RelayIdentification <RlayId>	[1..1]	±		1151
	SequenceNumber <SeqNb>	[0..1]	Text		1152
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1152
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1152

32.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		1148
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1150
	HostServiceCode <HstSvcCd>	[0..1]	Text		1150

32.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

32.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

32.4.1.1.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

32.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

32.4.1.3 ExchangeIdentification <Xchgld>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

32.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

Presence: [0..1]

Definition: Retransmission counter of this advice, 0 for the first transmission.

Datatype: "Number" on page 1480

32.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

32.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

32.4.1.7 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

32.4.1.8 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

32.4.1.9 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 **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1151
	SequenceNumber <SeqNb>	[0..1]	Text		1152
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1152
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1152

32.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

32.4.1.9.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

32.4.1.9.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

32.4.1.9.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

32.4.2 ProtectedATMDepositCompletionAcknowledgement <PrtctdATMDpstCmpltnAck>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMDepositCompletionAcknowledgement <PrtctdATMDpstCmpltnAck> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

32.4.3 ATMDepositCompletionAcknowledgement <ATMDpstCmpltnAck>

Presence: [0..1]

Definition: Information related to the acknowledgement of an ATM deposit transaction from the ATM manager.

ATMDepositCompletionAcknowledgement <ATMDpstCmpltnAck> contains the following **ATMDepositCompletionAcknowledgement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ATM <ATM>	[1..1]	±		1153
	Context <Cntxt>	[1..1]			1154
	SessionReference <SsnRef>	[0..1]	Text		1155
	Service <Svc>	[0..1]			1155
	ServiceReference <SvcRef>	[0..1]	Text		1155
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1156
	HostServiceCode <HstSvcCd>	[0..1]	Text		1156
	ServiceType <SvcTp>	[1..1]	CodeSet		1156
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1156
	CashBack <CshBck>	[0..1]	Indicator		1156
	MultiAccount <MultiAcct>	[0..1]	Indicator		1156
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1157
	Transaction <Tx>	[1..1]			1157
	TransactionIdentification <TxId>	[1..1]	±		1157
	Response <Rspn>	[1..1]	CodeSet		1157
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1158
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1162
	Command <Cmd>	[0..*]			1162
	Type <Tp>	[1..1]	CodeSet		1162
	Urgency <Urgcy>	[1..1]	CodeSet		1163
	DateTime <DtTm>	[0..1]	DateTime		1163
	CommandIdentification <CmdId>	[0..1]	±		1163
	CommandParameters <CmdParams>	[0..1]	±		1163

32.4.3.1 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine3" on page 1371 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

32.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transaction is performed.

Context <Cntxt> contains the following **ATMContext12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		1155
	Service <Svc>	[0..1]			1155
	ServiceReference <SvcRef>	[0..1]	Text		1155
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1156
	HostServiceCode <HstSvcCd>	[0..1]	Text		1156
	ServiceType <SvcTp>	[1..1]	CodeSet		1156
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1156
	CashBack <CshBck>	[0..1]	Indicator		1156
	MultiAccount <MultiAcct>	[0..1]	Indicator		1156
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1157

32.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the service is performed.

Datatype: "Max35Text" on page 1483

32.4.3.2.2 Service <Svc>

Presence: [0..1]

Definition: Deposit service provided by the ATM inside the session.

Service <Svc> contains the following **ATMService13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		1155
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1156
	HostServiceCode <HstSvcCd>	[0..1]	Text		1156
	ServiceType <SvcTp>	[1..1]	CodeSet		1156
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1156
	CashBack <CshBck>	[0..1]	Indicator		1156
	MultiAccount <MultiAcct>	[0..1]	Indicator		1156
	PartialDeposit <PrtlDpst>	[0..1]	Indicator		1157

32.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the deposit service provided by the ATM inside the session.

Datatype: "Max35Text" on page 1483

32.4.3.2.2.2 ATMSERVICECODE <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

32.4.3.2.2.3 HostSERVICECODE <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

32.4.3.2.2.4 SERVICEType <SvcTp>

Presence: [1..1]

Definition: Describes the type of deposit service selected by the customer.

Datatype: "ATMSERVICEType6Code" on page 1451

CodeName	Name	Definition
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.

32.4.3.2.2.5 SERVICEVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

32.4.3.2.2.6 CASHBack <CshBck>

Presence: [0..1]

Definition: True if deposit with cash back transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

32.4.3.2.2.7 MultiAccount <MultiAcct>

Presence: [0..1]

Definition: True if the deposit transaction is split in multiple accounts.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

32.4.3.2.2.8 PartialDeposit <PrtlDpst>

Presence: [0..1]

Definition: True if this is not the final deposit.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

32.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Acknowledgement of the deposit completion advice.

Transaction <Tx> contains the following **ATMTransaction45** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		1157
	Response <Rspn>	[1..1]	CodeSet		1157
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1158
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1162
	Command <Cmd>	[0..*]			1162
	Type <Tp>	[1..1]	CodeSet		1162
	Urgency <Urgcy>	[1..1]	CodeSet		1163
	DateTime <DtTm>	[0..1]	DateTime		1163
	CommandIdentification <CmdId>	[0..1]	±		1163
	CommandParameters <CmdParams>	[0..1]	±		1163

32.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see "TransactionIdentifier3" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

32.4.3.3.2 Response <Rspn>

Presence: [1..1]

Definition: Response to the advice.

Datatype: "Response12Code" on page 1472

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

32.4.3.3.3 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "ResultDetail5Code" on page 1472

CodeName	Name	Definition
ACTF	AccountNotFound	Account of the cardholder or the customer is not found.
ACQS	AcquirerNotSupported	Acquirer is not supported.
AMLV	AMLValidation	Error on AML (Anti Money Laundering) validation.
AMTA	AmountNotFound	Amount not found.
AUTH	AuthenticationFailed	Cardholder or customer could not be authenticated, for instance due to an incorrect login identification or an incorrect password.
BANK	BankNotFound	Bank not found.
CRDR	CardError	Card error, for instance invalid ARQC (Authorisation ReQuest Cryptogram).
CRDF	CardVerificationFailed	Identification of the card is invalid.
ACTC	ClosedAccount	Account is no more usable for the transaction.
CTVG	CutoverInProgress	Cutover is in progress, transaction could not be processed.
DBER	DatabaseError	Database access error.
FEES	DisputedFees	Transaction fees are disputed by the issuer.
TXNL	ExceededTransactionLifeCycle	Validity period of the transaction is exceeded.
AMTD	DepositAmountLimit	Amount of deposit transactions exceeds the limit.
NMBD	DepositNumberLimit	Number of deposit transactions or items exceeds the limit.
CRDX	ExpiredCard	Card has expired.

CodeName	Name	Definition
FDCL	FallbackDeclined	Issuer declined the fall-back transaction.
FMTR	FormatError	Invalid format of the message or its content.
TXNG	InProgress	Original request is in progress.
FNDI	InsufficientFunds	Account balance is not sufficient.
ACPI	InvalidAcceptor	Issuer denies the acceptor.
AMTI	InvalidAmount	Requested amount is outside the card limits, or the currency is invalid.
ADDI	InvalidAddress	Part of the specified address is incorrect.
BRHI	InvalidBranch	Invalid branch or bank information.
CHDI	InvalidCardholderIdentification	Identification of the cardholder or the customer does not match.
CRDI	InvalidCardNumber	Identification of the card is invalid.
CTFV	InvalidCertificate	Digital certificate cannot be authenticated, is expired or revoked.
AMTO	InvalidOriginalAmount	Original amount is invalid.
PINV	InvalidPIN	PIN is invalid.
TKKO	InvalidToken	Token cannot be used to surrogate a PAN (Primary Account Number).
SGNI	InvalidSignature	Signed message has an invalid signature.
TKID	InvalidTokenIdentification	Identification of the token provider or the token requestor is invalid.
TXNV	InvalidTransaction	Transaction is invalid.
DATI	InvalidTransactionDateTime	Date time of the transaction is invalid.
ISSP	IssuerInoperative	Issuer is inoperative.
ISSF	IssuerNotFound	Issuer is not found.
ISSO	IssuerSignedOff	Transaction could not be processed as Issuer is signed off.
ISST	IssuerTimeOut	Transaction could not be processed as Issuer times out.
ISSU	IssuerUnavailable	Transaction could not be processed as Issuer is unavailable.
KEYS	KeyStorageSaturation	Storage space not available for the key.
LBLA	LiabilityAccepted	Transaction is processed and liability is accepted.
CRDL	LostCard	Card has been declared lost.
MACR	MACError	MAC error.
MACK	MACKKeyError	MAC key error.

CodeName	Name	Definition
ICCM	MissingICCDData	ICC data elements required for processing the ICC transaction were not present in the message.
PINN	NewPINInvalid	New PIN is invalid (PIN change).
CRDA	NoCardRecord	No card file record.
LBLU	NoLiabilityAccepted	Transaction is processed, but liability is not accepted.
PINA	NotAbleToValidatePIN	PIN could not be validated.
NPRA	NotPermittedToAcceptor	Process not permitted to the acceptor (for example fall back).
OFFL	OffLineProcess	Transaction has been processed offline by the terminal.
ONLP	OffLineProcessAfterReferral	Transaction has been processed offline after referral.
NPRC	NotPermittedToCardholder	Transaction not permitted to the cardholder or the customer.
TXNM	OriginalDoesNotMatch	Original is found, but transaction does not match.
OTHR	OtherError	Other error.
BALO	OutOfBalance	Out of balance.
SEQO	OutOfSequence	Message is out of sequence.
PINC	PINChangeRequired	Cardholder must change the PIN to be able to perform the transaction.
PIND	PINDataRequired	Additional information are required to verify the PIN.
PINS	PINSecurityError	PIN length or PIN key is invalid.
PINX	PINTriesExceeded	Last attempt of the PIN verification fails.
PINE	PINEncryptionError	Decrypted PIN block is invalid.
QMAX	QueueMaximumExceeded	Store and forward queue maximum exceeded.
RECD	RecurringDataError	Recurring Error on Data.
CRDT	RestrictedCard	Requested service not allowed by the card.
SECV	SecurityViolation	Security violation, for instance invalid ARPC (Authorisation ResPonse Cryptogram).
SRVU	ServiceNotEnabled	Cardholder or customer has not enabled the service with the service provider.
SFWE	SoftwareOrHardwareError	Security software or hardware error.
SPCC	SpecialConditions	Special card conditions not respected.
CRDS	StolenCard	Card has been declared stolen.
SRCH	SurchargeNotPermitted	Surcharging is not permitted.

CodeName	Name	Definition
CNTC	SuspectedCounterfeitCard	Counterfeit card suspected by the issuer or the processor.
FRDS	SuspectedFraud	Fraudulent transaction is suspected by the issuer or the processor.
SYSP	SystemInoperative	Processing temporary not available.
SYSM	SystemMalfunction	System Malfunction.
TRMI	TerminalNotConfigured	Server received a terminal identification that it does not have any knowledge of.
ACTT	ToAccountError	To account status error.
TTLV	TotalsNotAvailable	Totals are not available.
TXNU	TransactionDidNotComplete	Transaction did not complete at the terminal.
TXND	TransactionDuplicate	Transaction identification already used for another transaction.
ORGF	UnableToFindOriginal	Transaction could not be processed as original is not found.
UNBO	UnableToGoOnLine	Transaction cannot be processed online by the terminal.
UNBP	UnableToProcessOffLine	Transaction cannot be processed offline.
UNBC	UnacceptableCurrency	Currency is unacceptable for the Issuer or the processor.
CMKY	UnavailablecommunicationKey	Communication keys are not available.
CRDU	UneffectiveCard	Card is not active yet.
SVSU	UnsupportedService	Requested service not supported.
VNDR	VendorFormatError	Vendor format has an error.
VNDF	VendorNotFound	Vendor not found.
AMTW	WithdrawalAmountLimit	Amount of withdrawal transactions exceeds card limit.
NMBW	WithdrawalNumberLimit	Number of withdrawal transactions exceeds card limit.
CRDW	WrongCard	Other card used for the original transaction.
MEDI	InvalidMediaType	The requested media are not allowed for the service.
SRVI	InvalidService	The requested service is not allowed.
AMMA	AccountMatchesMultipleAccounts	The account details provided in the request message matches multiple accounts.
AGFE	AgreeFee	Consumer must agree fee from those provided to authorise the transaction. See <Tx><AuthstnRslt><FeeToAdd>.
SACT	SelectAccount	Consumer must select an account from those provided to authorise the transaction. See <Tx><AcctInf>.

CodeName	Name	Definition
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvsElgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

32.4.3.3.4 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

32.4.3.3.5 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1162
	Urgency <Urgcy>	[1..1]	CodeSet		1163
	DateTime <DtTm>	[0..1]	DateTime		1163
	CommandIdentification <CmdId>	[0..1]	±		1163
	CommandParameters <CmdParams>	[0..1]	±		1163

32.4.3.3.5.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.

CodeName	Name	Definition
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

32.4.3.3.5.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

32.4.3.3.5.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODatetime" on page 1478

32.4.3.3.5.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <PrCr>	[0..1]	Text		1376

32.4.3.3.5.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

32.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1164
	AuthenticatedData <AuthntcdData>	[1..1]	±		1164

32.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

32.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

33 catp.016.001.02 ATMTransferRequestV02

33.1 MessageDefinition Functionality

The ATMTransferRequest message is sent by an ATM to an ATM manager to request the approval of a fund transfer at the ATM.

Outline

The ATMTransferRequestV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

A. Header

Information related to the protocol management on a segment of the path from the ATM to the acquirer.

B. ProtectedATMTransferRequest

Encrypted body of the message.

C. ATMTransferRequest

Information related to the request of a fund transfer from an ATM.

D. SecurityTrailer

Trailer of the message containing a MAC.

33.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMTrfReq>	[1..1]			
	Header <Hdr>	[1..1]			1173
	MessageFunction <MsgFctn>	[1..1]			1173
	Function <Fctn>	[1..1]	CodeSet		1174
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1175
	HostServiceCode <HstSvcCd>	[0..1]	Text		1175
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1175
	ExchangeIdentification <XchgId>	[1..1]	Text		1176
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1176
	InitiatingParty <InitgPty>	[1..1]	Text		1176
	RecipientParty <RcptPty>	[0..1]	Text		1176
	ProcessState <PrcStat>	[0..1]	Text		1176
	Traceability <Tracblt>	[0..*]			1176
	RelayIdentification <RlayId>	[1..1]	±		1176
	SequenceNumber <SeqNb>	[0..1]	Text		1177
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1177
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1177
	ProtectedATMTransferRequest <PrtctdATMTrfReq>	[0..1]	±		1177
	ATMTransferRequest <ATMTrfReq>	[0..1]			1177
	Environment <Envnt>	[1..1]			1182
	Acquirer <Acqrr>	[0..1]	±		1185
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		1185
	HostingEntity <HstgNtty>	[0..1]	±		1185
	ATM <ATM>	[1..1]			1186
	Identification <Id>	[1..1]	Text		1188
	AdditionalIdentification <AddtlId>	[0..1]	Text		1188
	SequenceNumber <SeqNb>	[0..1]	Text		1188
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1188
	Location <Lctn>	[0..1]			1188
	AddressLine <AdrLine>	[0..2]	Text		1189

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	StreetName <StrtNm>	[0..1]	Text		1189
	BuildingNumber <BldgNb>	[0..1]	Text		1189
	PostCode <PstCd>	[0..1]	Text		1189
	TownName <TwnNm>	[1..1]	Text		1190
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1190
	Country <Ctry>	[1..1]	CodeSet	C3	1190
	GeoLocation <GLctn>	[0..1]			1190
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1190
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191
Or}	UTMCoordinates <UTMCordints>	[1..1]			1191
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1192
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1192
	Capabilities <Cpblties>	[0..1]	±		1192
	Equipment <Eqpmnt>	[0..1]			1193
	Manufacturer <Manfctr>	[0..1]	Text		1194
	Model <Mdl>	[0..1]	Text		1194
	SerialNumber <SrlnNb>	[0..1]	Text		1194
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1194
	ApplicationName <ApplNm>	[0..1]	Text		1194
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1195
	ApprovalNumber <ApprvlnNb>	[0..1]	Text		1195
	ConfigurationParameter <CfgrtnParam>	[0..*]			1195
	Type <Tp>	[1..1]	CodeSet		1195
	Version <Vrsn>	[1..1]	Text		1196
	Customer <Cstmr>	[1..1]			1196
	Profile <Prfl>	[0..1]			1196
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		1197
	ProfileReference <PrflRef>	[0..1]	Text		1197

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	CustomerIdentification <CstmrlId>	[0..1]	Text		1197
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1197
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1198
	Authentication <Authntcn>	[1..*]			1198
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		1198
	TokenRequested <TknReqd>	[0..1]	Indicator		1199
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1199
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1199
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		1199
	AuthenticationResult <AuthntcnRsIt>	[0..*]			1200
	Method <Mtd>	[1..1]	CodeSet		1200
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1201
	Result <RsIt>	[0..1]	CodeSet		1201
	AdditionalResult <AddtlRsIt>	[0..1]	Text		1201
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1201
	Card <Card>	[0..1]			1201
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1202
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		1203
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1203
	PlainCardData <PlainCardData>	[0..1]			1203
	PAN <PAN>	[0..1]	Text		1204
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1204
	EffectiveDate <FctvDt>	[0..1]	Text		1204
	ExpiryDate <XpryDt>	[0..1]	Text		1204
	ServiceCode <SvcCd>	[0..1]	Text		1204
	Track1 <Trck1>	[0..1]	Text		1205
	Track2 <Trck2>	[0..1]	Text		1205
	Track3 <Trck3>	[0..1]	Text		1205
	CardholderName <CrhdldrNm>	[0..1]	Text		1205
	CardCountryCode <CardCtryCd>	[0..1]	Text		1205
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1205

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Context <Cntxt>	[0..1]			1205
	SessionReference <SsnRef>	[0..1]	Text		1206
	Service <Svc>	[1..1]			1206
	ServiceReference <SvcRef>	[0..1]	Text		1206
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1206
	ServiceType <SvcTp>	[1..1]	CodeSet		1206
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1207
	Transaction <Tx>	[1..1]			1207
	TransactionIdentification <TxId>	[1..1]	±		1210
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1210
	CreditorLabel <CdtrLbl>	[0..1]	Text		1210
	DebtorLabel <DbtrLbl>	[0..1]	Text		1210
	PaymentReference <PmtRef>	[0..1]	Text		1210
	AccountFrom <AcctFr>	[0..1]			1211
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1211
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1212
	AccountName <AcctNm>	[0..1]	Text		1212
	AccountOwner <AcctOwnr>	[0..1]			1213
	Name <Nm>	[1..1]	Text		1213
	Address <Adr>	[1..1]	±		1213
	Currency <Ccy>	[0..1]	CodeSet	C1	1213
	AccountIdentifier <AcctIdr>	[0..1]			1214
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1214
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1214
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1215
Or	DomesticAccount <DmstAcct>	[1..1]			1215
	Identification <Id>	[1..1]	Text		1215
Or	MSISDN <MSISDN>	[1..1]	Text		1215
Or}	Email <Email>	[1..1]	Text		1215
	Servicer <Svcr>	[0..1]			1215
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1216
	ProtectedAccountFrom <PrctcdAcctFr>	[0..1]	±		1216
	AccountTo <AcctTo>	[0..*]			1217
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1217
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1218
	AccountName <AcctNm>	[0..1]	Text		1218
	AccountOwner <AcctOwnr>	[0..1]			1219
	Name <Nm>	[1..1]	Text		1219
	Address <Adr>	[1..1]	±		1219
	Currency <Ccy>	[0..1]	CodeSet	C1	1219
	AccountIdentifier <AcctIdr>	[0..1]			1220
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1220
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1220
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1221
Or	DomesticAccount <DmstAcct>	[1..1]			1221
	Identification <Id>	[1..1]	Text		1221
Or	MSISDN <MSISDN>	[1..1]	Text		1221
Or}	Email <Email>	[1..1]	Text		1221
	Servicer <Svcr>	[0..1]			1221
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1222
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1222
	ProtectedAccountTo <PrctcdAcctTo>	[0..1]	±		1222
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		1223
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1223
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1223
	Currency <Ccy>	[0..1]	CodeSet	C1	1223
	Fees <Fees>	[0..*]			1224
	Amount <Amt>	[1..1]	Amount		1224
	Currency <Ccy>	[0..1]	CodeSet	C1	1224
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1224
	Label <Labl>	[0..1]	Text		1225

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Donation <Dontn>	[0..*]			1225
	Amount <Amt>	[1..1]	Amount		1225
	Currency <Ccy>	[0..1]	CodeSet	C1	1225
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1225
	Label <Labl>	[0..1]	Text		1226
	RequestedExecutionDate <ReqdExctnDt>	[0..1]	Date		1226
	InstantTransferProgram <InstntTrfPrgm>	[0..1]	Text		1226
	RecurringTransfer <RcrngTrf>	[0..1]			1226
	StartDate <StartDt>	[1..1]	Date		1226
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1226
	EndDate <EndDt>	[1..1]	Date		1227
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1227
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1227
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		1227
	ICCRelatedData <ICCRltdData>	[0..1]	Binary		1227
	SecurityTrailer <SctyTrlr>	[0..1]			1228
	ContentType <CnttTp>	[1..1]	CodeSet		1228
	AuthenticatedData <AuthntcdData>	[1..1]	±		1228

33.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

33.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

33.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			1173
	Function <Fctn>	[1..1]	CodeSet		1174
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1175
	HostServiceCode <HstSvcCd>	[0..1]	Text		1175
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1175
	ExchangeIdentification <XchgId>	[1..1]	Text		1176
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1176
	InitiatingParty <InitgPty>	[1..1]	Text		1176
	RecipientParty <RcptPty>	[0..1]	Text		1176
	ProcessState <PrcStat>	[0..1]	Text		1176
	Traceability <Tracblt>	[0..*]			1176
	RelayIdentification <RlayId>	[1..1]	±		1176
	SequenceNumber <SeqNb>	[0..1]	Text		1177
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		1177
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1177

33.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		1174
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1175
	HostServiceCode <HstSvcCd>	[0..1]	Text		1175

33.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.

CodeName	Name	Definition
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

33.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

33.4.1.1.3 HstSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

33.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

33.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

33.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

33.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

33.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

33.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

33.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1176
	SequenceNumber <SeqNb>	[0..1]	Text		1177
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		1177
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1177

33.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlyId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

33.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

33.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

33.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

33.4.2 ProtectedATMTransferRequest <PrtctdATMTrfReq>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMTransferRequest <PrtctdATMTrfReq> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

33.4.3 ATMTransferRequest <ATMTrfReq>

Presence: [0..1]

Definition: Information related to the request of a fund transfer from an ATM.

ATMTransferRequest <ATMTrfReq> contains the following **ATMTransferRequest2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			1182
	Acquirer <Acqrr>	[0..1]	±		1185
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		1185
	HostingEntity <HstgNtty>	[0..1]	±		1185
	ATM <ATM>	[1..1]			1186
	Identification <Id>	[1..1]	Text		1188
	AdditionalIdentification <AddtlId>	[0..1]	Text		1188
	SequenceNumber <SeqNb>	[0..1]	Text		1188
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1188
	Location <Lctn>	[0..1]			1188
	AddressLine <AdrLine>	[0..2]	Text		1189
	StreetName <StrtNm>	[0..1]	Text		1189
	BuildingNumber <BldgNb>	[0..1]	Text		1189
	PostCode <PstCd>	[0..1]	Text		1189
	TownName <TwnNm>	[1..1]	Text		1190
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1190
	Country <Ctry>	[1..1]	CodeSet	C3	1190
	GeoLocation <GLctn>	[0..1]			1190
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1190
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191
Or}	UTMCoordinates <UTMCordints>	[1..1]			1191
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1192
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1192
	Capabilities <Cpblties>	[0..1]	±		1192
	Equipment <Eqpmnt>	[0..1]			1193
	Manufacturer <Manfctr>	[0..1]	Text		1194
	Model <Mdl>	[0..1]	Text		1194
	SerialNumber <SrINb>	[0..1]	Text		1194

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationProvider <AppIPrvdr>	[0..1]	Text		1194
	ApplicationName <AppINm>	[0..1]	Text		1194
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1195
	ApprovalNumber <ApprvINb>	[0..1]	Text		1195
	ConfigurationParameter <CfgrtnParam>	[0..*]			1195
	Type <Tp>	[1..1]	CodeSet		1195
	Version <Vrsn>	[1..1]	Text		1196
	Customer <Cstmr>	[1..1]			1196
	Profile <Prfl>	[0..1]			1196
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		1197
	ProfileReference <PrflRef>	[0..1]	Text		1197
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1197
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1197
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1198
	Authentication <Authntcn>	[1..*]			1198
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		1198
	TokenRequested <TknReqd>	[0..1]	Indicator		1199
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1199
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		1199
	CardholderOnLinePIN <CrhdldrOnLinePIN>	[0..1]	±		1199
	AuthenticationResult <AuthntcnRslt>	[0..*]			1200
	Method <Mtd>	[1..1]	CodeSet		1200
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1201
	Result <Rslt>	[0..1]	CodeSet		1201
	AdditionalResult <AddtlRslt>	[0..1]	Text		1201
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1201
	Card <Card>	[0..1]			1201
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1202
	FallbackIndicator <FlfbckInd>	[0..1]	Indicator		1203
	ProtectedCardData <PrctcdCardData>	[0..1]	±		1203
	PlainCardData <PlainCardData>	[0..1]			1203

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1204
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1204
	EffectiveDate <FctvDt>	[0..1]	Text		1204
	ExpiryDate <XpryDt>	[0..1]	Text		1204
	ServiceCode <SvcCd>	[0..1]	Text		1204
	Track1 <Trck1>	[0..1]	Text		1205
	Track2 <Trck2>	[0..1]	Text		1205
	Track3 <Trck3>	[0..1]	Text		1205
	CardholderName <CrdhldrNm>	[0..1]	Text		1205
	CardCountryCode <CardCtryCd>	[0..1]	Text		1205
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1205
	Context <Cntxt>	[0..1]			1205
	SessionReference <SsnRef>	[0..1]	Text		1206
	Service <Svc>	[1..1]			1206
	ServiceReference <SvcRef>	[0..1]	Text		1206
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1206
	ServiceType <SvcTp>	[1..1]	CodeSet		1206
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1207
	Transaction <Tx>	[1..1]			1207
	TransactionIdentification <Txld>	[1..1]	±		1210
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		1210
	CreditorLabel <CdtrLbl>	[0..1]	Text		1210
	DebtorLabel <DbtrLbl>	[0..1]	Text		1210
	PaymentReference <PmtRef>	[0..1]	Text		1210
	AccountFrom <AcctFr>	[0..1]			1211
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1211
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1212
	AccountName <AcctNm>	[0..1]	Text		1212
	AccountOwner <AcctOwnr>	[0..1]			1213
	Name <Nm>	[1..1]	Text		1213
	Address <Adr>	[1..1]	±		1213

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1213
	AccountIdentifier <AcctIdr>	[0..1]			1214
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1214
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1214
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1215
Or	DomesticAccount <DmstAcct>	[1..1]			1215
	Identification <Id>	[1..1]	Text		1215
Or	MSISDN <MSISDN>	[1..1]	Text		1215
Or}	Email <Email>	[1..1]	Text		1215
	Servicer <Svcr>	[0..1]			1215
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1216
	ProtectedAccountFrom <PrctdAcctFr>	[0..1]	±		1216
	AccountTo <AcctTo>	[0..*]			1217
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1217
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1218
	AccountName <AcctNm>	[0..1]	Text		1218
	AccountOwner <AcctOwnr>	[0..1]			1219
	Name <Nm>	[1..1]	Text		1219
	Address <Adr>	[1..1]	±		1219
	Currency <Ccy>	[0..1]	CodeSet	C1	1219
	AccountIdentifier <AcctIdr>	[0..1]			1220
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1220
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1220
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1221
Or	DomesticAccount <DmstAcct>	[1..1]			1221
	Identification <Id>	[1..1]	Text		1221
Or	MSISDN <MSISDN>	[1..1]	Text		1221
Or}	Email <Email>	[1..1]	Text		1221
	Servicer <Svcr>	[0..1]			1221
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1222

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1222
	ProtectedAccountTo <PrctdAcctTo>	[0..1]	±		1222
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		1223
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1223
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1223
	Currency <Ccy>	[0..1]	CodeSet	C1	1223
	Fees <Fees>	[0..*]			1224
	Amount <Amt>	[1..1]	Amount		1224
	Currency <Ccy>	[0..1]	CodeSet	C1	1224
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1224
	Label <Lbl>	[0..1]	Text		1225
	Donation <Dontn>	[0..*]			1225
	Amount <Amt>	[1..1]	Amount		1225
	Currency <Ccy>	[0..1]	CodeSet	C1	1225
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1225
	Label <Lbl>	[0..1]	Text		1226
	RequestedExecutionDate <ReqdExctnDt>	[0..1]	Date		1226
	InstantTransferProgram <InstntTrfPrgm>	[0..1]	Text		1226
	RecurringTransfer <RcrngTrf>	[0..1]			1226
	StartDate <StartDt>	[1..1]	Date		1226
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1226
	EndDate <EndDt>	[1..1]	Date		1227
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1227
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1227
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		1227
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1227

33.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment in which the fund transfer is performed.

Environment <Envt> contains the following **ATMEnvironment18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1185
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		1185
	HostingEntity <HstgNtty>	[0..1]	±		1185
	ATM <ATM>	[1..1]			1186
	Identification <Id>	[1..1]	Text		1188
	AdditionalIdentification <AddtlId>	[0..1]	Text		1188
	SequenceNumber <SeqNb>	[0..1]	Text		1188
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1188
	Location <Lctn>	[0..1]			1188
	AddressLine <AdrLine>	[0..2]	Text		1189
	StreetName <StrtNm>	[0..1]	Text		1189
	BuildingNumber <BldgNb>	[0..1]	Text		1189
	PostCode <PstCd>	[0..1]	Text		1189
	TownName <TwnNm>	[1..1]	Text		1190
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1190
	Country <Ctry>	[1..1]	CodeSet	C3	1190
	GeoLocation <GLctn>	[0..1]			1190
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1190
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191
Or}	UTMCoordinates <UTMCordints>	[1..1]			1191
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1192
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1192
	Capabilities <Cpblties>	[0..1]	±		1192
	Equipment <Eqpmnt>	[0..1]			1193
	Manufacturer <Manfctr>	[0..1]	Text		1194
	Model <Mdl>	[0..1]	Text		1194
	SerialNumber <SrlNb>	[0..1]	Text		1194
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1194

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ApplicationName <AppINm>	[0..1]	Text		1194
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1195
	ApprovalNumber <ApprvINb>	[0..1]	Text		1195
	ConfigurationParameter <CfgtnParam>	[0..*]			1195
	Type <Tp>	[1..1]	CodeSet		1195
	Version <Vrsn>	[1..1]	Text		1196
	Customer <Cstmr>	[1..1]			1196
	Profile <Prfl>	[0..1]			1196
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		1197
	ProfileReference <PrflRef>	[0..1]	Text		1197
	CustomerIdentification <CstmrlId>	[0..1]	Text		1197
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1197
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1198
	Authentication <Authntcn>	[1..*]			1198
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		1198
	TokenRequested <TknReqd>	[0..1]	Indicator		1199
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1199
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1199
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		1199
	AuthenticationResult <AuthntcnRslt>	[0..*]			1200
	Method <Mtd>	[1..1]	CodeSet		1200
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1201
	Result <Rslt>	[0..1]	CodeSet		1201
	AdditionalResult <AddtlRslt>	[0..1]	Text		1201
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1201
	Card <Card>	[0..1]			1201
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1202
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		1203
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1203
	PlainCardData <PlainCardData>	[0..1]			1203
	PAN <PAN>	[0..1]	Text		1204

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1204
	EffectiveDate <FctvDt>	[0..1]	Text		1204
	ExpiryDate <XpryDt>	[0..1]	Text		1204
	ServiceCode <SvcCd>	[0..1]	Text		1204
	Track1 <Trck1>	[0..1]	Text		1205
	Track2 <Trck2>	[0..1]	Text		1205
	Track3 <Trck3>	[0..1]	Text		1205
	CardholderName <CrdhldrNm>	[0..1]	Text		1205
	CardCountryCode <CardCtryCd>	[0..1]	Text		1205
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1205

33.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transaction, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "[Acquirer7](#)" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

33.4.3.1.2 ATMMManagerIdentification <ATMMgrld>

Presence: [0..1]

Definition: Identification of the ATM manager.

Datatype: "[Max35Text](#)" on page 1483

33.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "[TerminalHosting1](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

33.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following **AutomatedTellerMachine12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1188
	AdditionalIdentification <AddtlId>	[0..1]	Text		1188
	SequenceNumber <SeqNb>	[0..1]	Text		1188
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1188
	Location <Lctn>	[0..1]			1188
	AddressLine <AdrLine>	[0..2]	Text		1189
	StreetName <StrtNm>	[0..1]	Text		1189
	BuildingNumber <BldgNb>	[0..1]	Text		1189
	PostCode <PstCd>	[0..1]	Text		1189
	TownName <TwnNm>	[1..1]	Text		1190
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1190
	Country <Ctry>	[1..1]	CodeSet	C3	1190
	GeoLocation <GLctn>	[0..1]			1190
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1190
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191
Or}	UTMCoordinates <UTMCordints>	[1..1]			1191
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1192
	LocationCategory <LctnCty>	[0..1]	CodeSet		1192
	Capabilities <Cpbilities>	[0..1]	±		1192
	Equipment <Eqpmnt>	[0..1]			1193
	Manufacturer <Manfctr>	[0..1]	Text		1194
	Model <Mdl>	[0..1]	Text		1194
	SerialNumber <SrlNb>	[0..1]	Text		1194
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1194
	ApplicationName <ApplNm>	[0..1]	Text		1194
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1195
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1195
	ConfigurationParameter <CfgrtnParam>	[0..*]			1195

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1195
	Version <Vrsn>	[1..1]	Text		1196

33.4.3.1.4.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

33.4.3.1.4.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1189
	StreetName <StrtNm>	[0..1]	Text		1189
	BuildingNumber <BldgNb>	[0..1]	Text		1189
	PostCode <PstCd>	[0..1]	Text		1189
	TownName <TwnNm>	[1..1]	Text		1190
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1190
	Country <Ctry>	[1..1]	CodeSet	C3	1190
	GeoLocation <GLctn>	[0..1]			1190
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1190
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191
Or}	UTMCoordinates <UTMCordints>	[1..1]			1191
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1192

33.4.3.1.4.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

33.4.3.1.4.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

33.4.3.1.4.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

33.4.3.1.4.5.4 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 1482

33.4.3.1.4.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C3 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

33.4.3.1.4.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1190
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191
Or}	UTMCoordinates <UTMCordints>	[1..1]			1191
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1192

33.4.3.1.4.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1191
	Longitude <Long>	[1..1]	Text		1191

33.4.3.1.4.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

33.4.3.1.4.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

33.4.3.1.4.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1191
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1191
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1192

33.4.3.1.4.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

33.4.3.1.4.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

33.4.3.1.4.5.8.2.3 UTMNorthward <UTMnrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

33.4.3.1.4.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

33.4.3.1.4.7 Capabilities <Cpblties>

Presence: [0..1]

Definition: Capabilities of the ATM terminal performing the transaction.

Capabilities <Cpblties> contains the following elements (see "PointOfInteractionCapabilities10" on page 1389 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstrn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntractvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

33.4.3.1.4.8 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1194
	Model <Mdl>	[0..1]	Text		1194
	SerialNumber <SrINb>	[0..1]	Text		1194
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1194
	ApplicationName <ApplNm>	[0..1]	Text		1194
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1195
	ApprovalNumber <ApplVrsn>	[0..1]	Text		1195
	ConfigurationParameter <CfgtnParam>	[0..*]			1195
	Type <Tp>	[1..1]	CodeSet		1195
	Version <Vrsn>	[1..1]	Text		1196

33.4.3.1.4.8.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

33.4.3.1.4.8.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1195
	Version <Vrsn>	[1..1]	Text		1196

33.4.3.1.4.8.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

33.4.3.1.4.8.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

33.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			1196
	RetrievalMode <RtrvlMd>	[1..1]	CodeSet		1197
	ProfileReference <PrflRef>	[0..1]	Text		1197
	CustomerIdentification <CstmrlId>	[0..1]	Text		1197
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1197
	SelectedLanguage <SelctdLang>	[0..1]	CodeSet	C5	1198
	Authentication <Authntcn>	[1..*]			1198
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		1198
	TokenRequested <TknReqd>	[0..1]	Indicator		1199
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1199
	ProtectedAuthenticationValue <PrtctdAuthntcnVal>	[0..1]	±		1199
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		1199
	AuthenticationResult <AuthntcnRslt>	[0..*]			1200
	Method <Mtd>	[1..1]	CodeSet		1200
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1201
	Result <Rslt>	[0..1]	CodeSet		1201
	AdditionalResult <AddtlRslt>	[0..1]	Text		1201
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1201

33.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RetrievalMode <RtrvIMd>	[1..1]	CodeSet		1197
	ProfileReference <PrflRef>	[0..1]	Text		1197
	CustomerIdentification <CstmrlId>	[0..1]	Text		1197
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1197

33.4.3.1.5.1.1 RetrievalMode <RtrvIMd>

Presence: [1..1]

Definition: Describes the main way customer information was collected to build up the customer menu and to provide the service.

Datatype: "ATMCustomerProfile1Code" on page 1443

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

33.4.3.1.5.1.2 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

33.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

33.4.3.1.5.1.4 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

33.4.3.1.5.2 SelectedLanguage <SelctdLang>

Presence: [0..1]

Definition: Language selected by the customer at the ATM for the customer session. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

33.4.3.1.5.3 Authentication <Authntcn>

Presence: [1..*]

Definition: Method and data intended to be used for this transaction to authenticate the customer and its card.

Authentication <Authntcn> contains the following **CardholderAuthentication8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthenticationMethod <AuthntcnMtd>	[1..1]	CodeSet		1198
	TokenRequested <TknReqd>	[0..1]	Indicator		1199
	AuthenticationValue <AuthntcnVal>	[0..1]	Binary		1199
	ProtectedAuthenticationValue <PrctcdAuthntcnVal>	[0..1]	±		1199
	CardholderOnLinePIN <CrdhldrOnLinePIN>	[0..1]	±		1199

33.4.3.1.5.3.1 AuthenticationMethod <AuthntcnMtd>

Presence: [1..1]

Definition: Method and data intended to be used for this transaction to authenticate the customer or its card.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.

CodeName	Name	Definition
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

33.4.3.1.5.3.2 TokenRequested <TknReqd>

Presence: [0..1]

Definition: True if an authentication token is requested to the host. This token will be provided to the ATM for further authentication.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

33.4.3.1.5.3.3 AuthenticationValue <AuthntcnVal>

Presence: [0..1]

Definition: Value or token to be used for customer or card authentication.

Datatype: "Max5000Binary" on page 1433

33.4.3.1.5.3.4 ProtectedAuthenticationValue <PrctcdAuthntcnVal>

Presence: [0..1]

Definition: Protection of the authentication value.

ProtectedAuthenticationValue <PrctcdAuthntcnVal> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

33.4.3.1.5.3.5 CardholderOnLinePIN <CrdhldrOnLinePIN>

Presence: [0..1]

Definition: Encrypted personal identification number (PIN) and related information.

CardholderOnLinePIN <CrdhldrOnLinePIN> contains the following elements (see "OnLinePIN5" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

33.4.3.1.5.4 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1200
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1201
	Result <Rslt>	[0..1]	CodeSet		1201
	AdditionalResult <AddtlRslt>	[0..1]	Text		1201
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1201

33.4.3.1.5.4.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

33.4.3.1.5.4.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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.

33.4.3.1.5.4.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

33.4.3.1.5.4.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

33.4.3.1.5.4.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

33.4.3.1.6 Card <Card>

Presence: [0..1]

Definition: Card performing the transaction.

Card <Card> contains the following **PaymentCard36** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardDataEntryMode <CardDataNtryMd>	[1..1]	CodeSet		1202
	FallbackIndicator <FlbckInd>	[0..1]	Indicator		1203
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1203
	PlainCardData <PlainCardData>	[0..1]			1203
	PAN <PAN>	[0..1]	Text		1204
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1204
	EffectiveDate <FctvDt>	[0..1]	Text		1204
	ExpiryDate <XpryDt>	[0..1]	Text		1204
	ServiceCode <SvcCd>	[0..1]	Text		1204
	Track1 <Trck1>	[0..1]	Text		1205
	Track2 <Trck2>	[0..1]	Text		1205
	Track3 <Trck3>	[0..1]	Text		1205
	CardholderName <CrdhldrNm>	[0..1]	Text		1205
	CardCountryCode <CardCtryCd>	[0..1]	Text		1205
	CardCurrencyCode <CardCcyCd>	[0..1]	Text		1205

33.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

Presence: [1..1]

Definition: Entry mode used to obtain the card data.

Datatype: "CardDataReading1Code" on page 1456

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

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).

33.4.3.1.6.2 FallbackIndicator <FllbckInd>

Presence: [0..1]

Definition: Indicates the occurrence of a fall-back on the card entry mode.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

33.4.3.1.6.3 ProtectedCardData <PrctcdCardData>

Presence: [0..1]

Definition: Replacement of the message element PlainCardData by a digital envelope using a cryptographic key.

ProtectedCardData <PrctcdCardData> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

33.4.3.1.6.4 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData25** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1204
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1204
	EffectiveDate <FctvDt>	[0..1]	Text		1204
	ExpiryDate <XpryDt>	[0..1]	Text		1204
	ServiceCode <SvcCd>	[0..1]	Text		1204
	Track1 <Trck1>	[0..1]	Text		1205
	Track2 <Trck2>	[0..1]	Text		1205
	Track3 <Trck3>	[0..1]	Text		1205
	CardholderName <CrdhldrNm>	[0..1]	Text		1205

33.4.3.1.6.4.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "Min8Max28NumericText" on page 1486

33.4.3.1.6.4.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "Min2Max3NumericText" on page 1485

33.4.3.1.6.4.3 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 1482

33.4.3.1.6.4.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

33.4.3.1.6.4.5 ServiceCode <SvcCd>

Presence: [0..1]

Definition: Services attached to the card, as defined in ISO 7813.

Datatype: "Exact3NumericText" on page 1481

33.4.3.1.6.4.6 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 1485

33.4.3.1.6.4.7 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 1483

33.4.3.1.6.4.8 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 1481

33.4.3.1.6.4.9 CardholderName <CrhdldrNm>

Presence: [0..1]

Definition: Name of the cardholder stored on the card.

Datatype: "Max45Text" on page 1484

33.4.3.1.6.5 CardCountryCode <CardCtryCd>

Presence: [0..1]

Definition: Country code assigned to the card by the card issuer.

Datatype: "Max3Text" on page 1484

33.4.3.1.6.6 CardCurrencyCode <CardCcyCd>

Presence: [0..1]

Definition: Currency code of the card issuer (ISO 4217 numeric code).

Datatype: "Exact3AlphaNumericText" on page 1481

33.4.3.2 Context <Cntxt>

Presence: [0..1]

Definition: Context in which the fund transfer is performed.

Context <Cntxt> contains the following **ATMContext18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		1206
	Service <Svc>	[1..1]			1206
	ServiceReference <SvcRef>	[0..1]	Text		1206
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1206
	ServiceType <SvcTp>	[1..1]	CodeSet		1206
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1207

33.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the transfer is performed.

Datatype: "Max35Text" on page 1483

33.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Fund transfer service requested by the ATM inside the session.

Service <Svc> contains the following **ATMService22** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		1206
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1206
	ServiceType <SvcTp>	[1..1]	CodeSet		1206
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1207

33.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the transfer is performed.

Datatype: "Max35Text" on page 1483

33.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

33.4.3.2.2.3 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of fund transfer selected by the customer or the ATM.

Datatype: "ATMServiceType9Code" on page 1452

CodeName	Name	Definition
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
TRFP	Payment	Funds transfer to pay a third party.

33.4.3.2.2.4 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

33.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Transfer information for the transaction.

Transaction <Tx> contains the following **ATMTransaction38** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		1210
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1210
	CreditorLabel <CdtrLbl>	[0..1]	Text		1210
	DebtorLabel <DbtrLbl>	[0..1]	Text		1210
	PaymentReference <PmtRef>	[0..1]	Text		1210
	AccountFrom <AcctFr>	[0..1]			1211
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1211
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1212
	AccountName <AcctNm>	[0..1]	Text		1212
	AccountOwner <AcctOwnr>	[0..1]			1213
	Name <Nm>	[1..1]	Text		1213
	Address <Adr>	[1..1]	±		1213
	Currency <Ccy>	[0..1]	CodeSet	C1	1213
	AccountIdentifier <AcctIdr>	[0..1]			1214
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1214
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1214
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1215
Or	DomesticAccount <DmstAcct>	[1..1]			1215
	Identification <Id>	[1..1]	Text		1215
Or	MSISDN <MSISDN>	[1..1]	Text		1215
Or}	Email <Email>	[1..1]	Text		1215
	Servicer <Svcr>	[0..1]			1215
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1216
	ProtectedAccountFrom <PrctcdAcctFr>	[0..1]	±		1216
	AccountTo <AcctTo>	[0..*]			1217
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1217
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1218
	AccountName <AcctNm>	[0..1]	Text		1218
	AccountOwner <AcctOwnr>	[0..1]			1219
	Name <Nm>	[1..1]	Text		1219

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Address <Adr>	[1..1]	±		1219
	Currency <Ccy>	[0..1]	CodeSet	C1	1219
	AccountIdentifier <AcctIdr>	[0..1]			1220
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1220
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1220
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1221
Or	DomesticAccount <DmstAcct>	[1..1]			1221
	Identification <Id>	[1..1]	Text		1221
Or	MSISDN <MSISDN>	[1..1]	Text		1221
Or}	Email <Email>	[1..1]	Text		1221
	Servicer <Svcr>	[0..1]			1221
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1222
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1222
	ProtectedAccountTo <PrtctdAcctTo>	[0..1]	±		1222
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		1223
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1223
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1223
	Currency <Ccy>	[0..1]	CodeSet	C1	1223
	Fees <Fees>	[0..*]			1224
	Amount <Amt>	[1..1]	Amount		1224
	Currency <Ccy>	[0..1]	CodeSet	C1	1224
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1224
	Label <Lbl>	[0..1]	Text		1225
	Donation <Dontn>	[0..*]			1225
	Amount <Amt>	[1..1]	Amount		1225
	Currency <Ccy>	[0..1]	CodeSet	C1	1225
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1225
	Label <Lbl>	[0..1]	Text		1226
	RequestedExecutionDate <ReqdExctnDt>	[0..1]	Date		1226
	InstantTransferProgram <InstntTrfPrgm>	[0..1]	Text		1226
	RecurringTransfer <RcrngTrf>	[0..1]			1226

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartDate <StartDt>	[1..1]	Date		1226
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1226
	EndDate <EndDt>	[1..1]	Date		1227
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1227
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1227
	RequestedReceipt <ReqdRct>	[0..1]	Indicator		1227
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1227

33.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

33.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: ["Max35Text"](#) on page 1483

33.4.3.3.3 CreditorLabel <CdtrLbl>

Presence: [0..1]

Definition: Description of the transfer for the creditor.

Datatype: ["Max35Text"](#) on page 1483

33.4.3.3.4 DebtorLabel <DbtrLbl>

Presence: [0..1]

Definition: Description of the transfer for the debtor.

Datatype: ["Max35Text"](#) on page 1483

33.4.3.3.5 PaymentReference <PmtRef>

Presence: [0..1]

Definition: Reference of the payment.

Datatype: "Max35Text" on page 1483

33.4.3.3.6 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Information about the source account of the transfer.

AccountFrom <AcctFr> contains the following **CardAccount20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1211
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1212
	AccountName <AcctNm>	[0..1]	Text		1212
	AccountOwner <AcctOwnr>	[0..1]			1213
	Name <Nm>	[1..1]	Text		1213
	Address <Adr>	[1..1]	±		1213
	Currency <Ccy>	[0..1]	CodeSet	C1	1213
	AccountIdentifier <AcctIdr>	[0..1]			1214
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1214
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1214
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1215
Or	DomesticAccount <DmstAcct>	[1..1]			1215
	Identification <Id>	[1..1]	Text		1215
Or	MSISDN <MSISDN>	[1..1]	Text		1215
Or}	Email <Email>	[1..1]	Text		1215
	Servicer <Svcr>	[0..1]			1215
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1216

33.4.3.3.6.1 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.

CodeName	Name	Definition
IMPL	ImplicitType	Type of account is selected according to the configuration.
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.
TPSL	TypeSelected	Type of account selected in a list.

33.4.3.3.6.2 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

33.4.3.3.6.3 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

33.4.3.3.6.4 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1213
	Address <Adr>	[1..1]	±		1213

33.4.3.3.6.4.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

33.4.3.3.6.4.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

33.4.3.3.6.5 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

33.4.3.3.6.6 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1214
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1214
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1215
Or	DomesticAccount <DmstAcct>	[1..1]			1215
	Identification <Id>	[1..1]	Text		1215
Or	MSISDN <MSISDN>	[1..1]	Text		1215
Or}	Email <Email>	[1..1]	Text		1215

33.4.3.3.6.6.1 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 1479

Constraints

- **IBAN**

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

33.4.3.3.6.6.2 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 1479

33.4.3.3.6.6.3 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 1480

33.4.3.3.6.6.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1215

33.4.3.3.6.6.4.1 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 1483

33.4.3.3.6.6.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

33.4.3.3.6.6.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

33.4.3.3.6.6.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1216
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1216

33.4.3.3.6.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

33.4.3.3.6.7.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

33.4.3.3.7 ProtectedAccountFrom <PrtctdAcctFr>

Presence: [0..1]

Definition: Encryption of the source account information.

ProtectedAccountFrom <PrtctdAcctFr> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

33.4.3.3.8 AccountTo <AcctTo>

Presence: [0..*]

Definition: Information about the destination account of the transfer.

AccountTo <AcctTo> contains the following **CardAccount20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SelectionMethod <SelctnMtd>	[0..1]	CodeSet		1217
	SelectedAccountType <SelctdAcctTp>	[0..1]	CodeSet		1218
	AccountName <AcctNm>	[0..1]	Text		1218
	AccountOwner <AcctOwnr>	[0..1]			1219
	Name <Nm>	[1..1]	Text		1219
	Address <Adr>	[1..1]	±		1219
	Currency <Ccy>	[0..1]	CodeSet	C1	1219
	AccountIdentifier <AcctIdr>	[0..1]			1220
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1220
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1220
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1221
Or	DomesticAccount <DmstAcct>	[1..1]			1221
	Identification <Id>	[1..1]	Text		1221
Or	MSISDN <MSISDN>	[1..1]	Text		1221
Or}	Email <Email>	[1..1]	Text		1221
	Servicer <Svcr>	[0..1]			1221
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1222
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1222

33.4.3.3.8.1 SelectionMethod <SelctnMtd>

Presence: [0..1]

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

Datatype: "AccountChoiceMethod1Code" on page 1433

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.
ENTR	Entered	Account identification is entered by the customer.
IMAC	ImplicitAccount	Account is selected according to the configuration.
IMPL	ImplicitType	Type of account is selected according to the configuration.

CodeName	Name	Definition
NOSL	NoSelection	Account is not selected by the customer or a profile, but by the issuer.
TPSL	TypeSelected	Type of account selected in a list.

33.4.3.3.8.2 SelectedAccountType <SelctdAcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

33.4.3.3.8.3 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

33.4.3.3.8.4 AccountOwner <AcctOwnr>

Presence: [0..1]

Definition: Party that legally owns the account.

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Name <Nm>	[1..1]	Text		1219
	Address <Adr>	[1..1]	±		1219

33.4.3.3.8.4.1 Name <Nm>

Presence: [1..1]

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

Datatype: "Max70Text" on page 1485

33.4.3.3.8.4.2 Address <Adr>

Presence: [1..1]

Definition: Postal address of a party.

Address <Adr> contains the following elements (see "PostalAddress1" on page 1429 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

33.4.3.3.8.5 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

33.4.3.3.8.6 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1220
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1220
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1221
Or	DomesticAccount <DmstAcct>	[1..1]			1221
	Identification <Id>	[1..1]	Text		1221
Or	MSISDN <MSISDN>	[1..1]	Text		1221
Or}	Email <Email>	[1..1]	Text		1221

33.4.3.3.8.6.1 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 1479

Constraints

• IBAN

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

33.4.3.3.8.6.2 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 1479

33.4.3.3.8.6.3 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: "UPICIIdentifier" on page 1480

33.4.3.3.8.6.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1221

33.4.3.3.8.6.4.1 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 1483

33.4.3.3.8.6.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

33.4.3.3.8.6.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

33.4.3.3.8.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1222
Or}	ProprietaryIdentification <Prtryld>	[1..1]	±		1222

33.4.3.3.8.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

33.4.3.3.8.7.2 ProprietaryIdentification <Prtryld>

Presence: [1..1]

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

ProprietaryIdentification <Prtryld> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

33.4.3.3.9 ProtectedAccountTo <PrctdAcctTo>

Presence: [0..1]

Definition: Encryption of the destination account information.

ProtectedAccountTo <PrctdAcctTo> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

33.4.3.3.10 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Amount of the transaction to be authorised.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

33.4.3.3.11 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Details of the transfer transaction amounts.

DetailedRequestedAmount <DtldReqdAmt> contains the following **DetailedAmount17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1223
	Currency <Ccy>	[0..1]	CodeSet	C1	1223
	Fees <Fees>	[0..*]			1224
	Amount <Amt>	[1..1]	Amount		1224
	Currency <Ccy>	[0..1]	CodeSet	C1	1224
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1224
	Label <Labl>	[0..1]	Text		1225
	Donation <Dontn>	[0..*]			1225
	Amount <Amt>	[1..1]	Amount		1225
	Currency <Ccy>	[0..1]	CodeSet	C1	1225
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1225
	Label <Labl>	[0..1]	Text		1226

33.4.3.3.11.1 AmountToTransfer <AmtToTrf>

Presence: [1..1]

Definition: Amount to be transferred from the source account to the destination account.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

33.4.3.3.11.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to be transferred.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

33.4.3.3.11.3 Fees <Fees>

Presence: [0..*]

Definition: Transfer fees, accepted by the customer.

Fees <Fees> contains the following **DetailedAmount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1224
	Currency <Ccy>	[0..1]	CodeSet	C1	1224
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1224
	Label <Labl>	[0..1]	Text		1225

33.4.3.3.11.3.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

33.4.3.3.11.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

33.4.3.3.11.3.3 ChargeAccountTo <ChrgAcctTo>

Presence: [0..1]

Definition: True if amount charged to the source account.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

33.4.3.3.11.3.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max70Text" on page 1485

33.4.3.3.11.4 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following **DetailedAmount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1225
	Currency <Ccy>	[0..1]	CodeSet	C1	1225
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1225
	Label <Labl>	[0..1]	Text		1226

33.4.3.3.11.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

33.4.3.3.11.4.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

33.4.3.3.11.4.3 ChargeAccountTo <ChrgAcctTo>

Presence: [0..1]

Definition: True if amount charged to the source account.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

33.4.3.3.11.4.4 Label <Lbl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max70Text" on page 1485

33.4.3.3.12 RequestedExecutionDate <ReqdExctnDt>

Presence: [0..1]

Definition: Requested date of the execution of the transfer.

Datatype: "ISODate" on page 1478

33.4.3.3.13 InstantTransferProgram <InstntTrfPrgm>

Presence: [0..1]

Definition: Identifies the instant transfer program.

Datatype: "Max35Text" on page 1483

33.4.3.3.14 RecurringTransfer <RcrngTrf>

Presence: [0..1]

Definition: Information for recurring transfer or standing orders.

RecurringTransfer <RcrngTrf> contains the following **RecurringTransaction3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartDate <StartDt>	[1..1]	Date		1226
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1226
	EndDate <EndDt>	[1..1]	Date		1227
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1227
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1227

33.4.3.3.14.1 StartDate <StartDt>

Presence: [1..1]

Definition: Date of first transfer.

Datatype: "ISODate" on page 1478

33.4.3.3.14.2 NumberOfOccurrences <NbOfOcrncs>

Presence: [0..1]

Definition: Number of transfers to perform.

Datatype: "Number" on page 1480

33.4.3.3.14.3 EndDate <EndDt>

Presence: [1..1]

Definition: Date of last transfer.

Datatype: "ISODate" on page 1478

33.4.3.3.14.4 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period of the recurring transfer.

Datatype: "Frequency3Code" on page 1464

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.

33.4.3.3.14.5 IntervalDay <IntrvlDay>

Presence: [0..1]

Definition: Day of the period when the transfer will be performed.

Datatype: "Number" on page 1480

33.4.3.3.15 RequestedReceipt <ReqdRct>

Presence: [0..1]

Definition: True if the customer has requested a receipt.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

33.4.3.3.16 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

33.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1228
	AuthenticatedData <AuthntcdData>	[1..1]	±		1228

33.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

33.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "[AuthenticatedData4](#)" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

34 catp.017.001.02 ATMTransferResponseV02

34.1 MessageDefinition Functionality

The ATMTransferResponse message is sent by an acquirer or its agent to inform the ATM of the approval or decline of the transfer transaction.

Outline

The ATMTransferResponseV02 MessageDefinition is composed of 4 MessageBuildingBlocks:

- A. Header
Information related to the protocol management on a segment of the path from the ATM to the acquirer.
- B. ProtectedATMTransferResponse
Encrypted body of the message.
- C. ATMTransferResponse
Information related to the response of an ATM transfer from an ATM manager.
- D. SecurityTrailer
Trailer of the message containing a MAC.

34.2 Structure

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Message root <Document> <ATMTrfRspn>	[1..1]			
	Header <Hdr>	[1..1]			1239
	MessageFunction <MsgFctn>	[1..1]			1239
	Function <Fctn>	[1..1]	CodeSet		1240
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1241
	HostServiceCode <HstSvcCd>	[0..1]	Text		1241
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1241
	ExchangeIdentification <XchgId>	[1..1]	Text		1242
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1242
	InitiatingParty <InitgPty>	[1..1]	Text		1242
	RecipientParty <RcptPty>	[0..1]	Text		1242
	ProcessState <PrcStat>	[0..1]	Text		1242
	Traceability <Tracblt>	[0..*]			1242
	RelayIdentification <RlayId>	[1..1]	±		1242
	SequenceNumber <SeqNb>	[0..1]	Text		1243
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1243
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1243
	ProtectedATMTransferResponse <PrtctdATMTrfRspn>	[0..1]	±		1243
	ATMTransferResponse <ATMTrfRspn>	[0..1]			1243
	Environment <Envt>	[1..1]			1250
	Acquirer <Acqrr>	[0..1]	±		1251
	ATMManager <ATMMgr>	[0..1]	±		1252
	HostingEntity <HstgNtty>	[0..1]	±		1252
	ATM <ATM>	[1..1]	±		1252
	Customer <Cstmr>	[1..1]			1253
	Profile <Prfl>	[0..1]			1254
	ProfileReference <PrflRef>	[0..1]	Text		1254
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1254
	AuthenticationResult <AuthntcnRslt>	[0..*]			1254
	Method <Mtd>	[1..1]	CodeSet		1255

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1255
	Result <RsIt>	[0..1]	CodeSet		1256
	AdditionalResult <AddtlRsIt>	[0..1]	Text		1256
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1256
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1256
	ProtectedCardData <PrctcdCardData>	[0..1]	±		1257
	PlainCardData <PlainCardData>	[0..1]			1257
	PAN <PAN>	[0..1]	Text		1257
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1257
	EffectiveDate <FctvDt>	[0..1]	Text		1257
	ExpiryDate <XpryDt>	[0..1]	Text		1258
	Track1 <Trck1>	[0..1]	Text		1258
	Track2 <Trck2>	[0..1]	Text		1258
	Track3 <Trck3>	[0..1]	Text		1258
	Context <Cntxt>	[1..1]			1258
	SessionReference <SsnRef>	[0..1]	Text		1259
	Service <Svc>	[1..1]			1259
	ServiceReference <SvcRef>	[0..1]	Text		1259
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1259
	HostServiceCode <HstSvcCd>	[0..1]	Text		1260
	ServiceType <SvcTp>	[1..1]	CodeSet		1260
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1260
	Transaction <Tx>	[1..1]			1260
	TransactionIdentification <TxId>	[1..1]	±		1266
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1267
	CreditorLabel <CdtrLbl>	[0..1]	Text		1267
	DebtorLabel <DbtrLbl>	[0..1]	Text		1267
	TransferIdentifier <Trfldr>	[0..1]	Text		1267
	PaymentReference <PmtRef>	[0..1]	Text		1267
	TransactionResponse <TxRspn>	[1..1]	±		1267
	Action <Actn>	[0..*]			1267

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		1268
	MessageToPresent <MsgToPres>	[0..1]			1268
	Format <Frmt>	[0..1]	CodeSet		1269
	Message <Msg>	[0..1]	Text		1269
	Reference <Ref>	[0..1]	Text		1269
	Device <Dvc>	[0..1]	CodeSet		1269
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1270
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1270
	AccountFrom <AcctFr>	[0..1]			1271
	AccountType <AcctTp>	[0..1]	CodeSet		1272
	AccountName <AcctNm>	[0..1]	Text		1273
	Currency <Ccy>	[0..1]	CodeSet	C1	1273
	AccountIdentifier <AcctIdr>	[0..1]			1274
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1274
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1274
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1275
Or	DomesticAccount <DmstAcct>	[1..1]			1275
	Identification <Id>	[1..1]	Text		1275
Or	MSISDN <MSISDN>	[1..1]	Text		1275
Or}	Email <Email>	[1..1]	Text		1275
	CreditReference <CdtRef>	[0..1]	Text		1275
	Servicer <Svcr>	[0..1]			1275
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1276
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1276
	BalanceBefore <BalBfr>	[0..1]			1276
	Amount <Amt>	[1..1]	Amount	C6	1277
	Sign <Sgn>	[0..1]	Indicator		1277
	Date <Dt>	[0..1]	Date		1277
	Label <Lbl>	[0..1]	Text		1277
	BalanceAfter <BalAft>	[0..1]			1277
	Amount <Amt>	[1..1]	Amount	C6	1278

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Sign <Sgn>	[0..1]	Indicator		1278
	Date <Dt>	[0..1]	Date		1278
	Label <Labl>	[0..1]	Text		1278
	ProtectedAccountFrom <PrctcdAcctFr>	[0..1]	±		1279
	AccountTo <AcctTo>	[0..*]			1279
	AccountType <AcctTp>	[0..1]	CodeSet		1280
	AccountName <AcctNm>	[0..1]	Text		1281
	Currency <Ccy>	[0..1]	CodeSet	C1	1281
	AccountIdentifier <AcctIdr>	[0..1]			1282
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1282
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1282
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1283
Or	DomesticAccount <DmstAcct>	[1..1]			1283
	Identification <Id>	[1..1]	Text		1283
Or	MSISDN <MSISDN>	[1..1]	Text		1283
Or}	Email <Email>	[1..1]	Text		1283
	CreditReference <CdtRef>	[0..1]	Text		1283
	Servicer <Svcr>	[0..1]			1283
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1284
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1284
	BalanceBefore <BalBfr>	[0..1]			1284
	Amount <Amt>	[1..1]	Amount	C6	1285
	Sign <Sgn>	[0..1]	Indicator		1285
	Date <Dt>	[0..1]	Date		1285
	Label <Labl>	[0..1]	Text		1285
	BalanceAfter <BalAft>	[0..1]			1285
	Amount <Amt>	[1..1]	Amount	C6	1286
	Sign <Sgn>	[0..1]	Indicator		1286
	Date <Dt>	[0..1]	Date		1286
	Label <Labl>	[0..1]	Text		1286
	ProtectedAccountTo <PrctcdAcctTo>	[0..1]	±		1287

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..1]	±		1287
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		1287
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1287
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1288
	Currency <Ccy>	[0..1]	CodeSet	C1	1288
	Fees <Fees>	[0..*]			1288
	Amount <Amt>	[1..1]	Amount		1289
	Currency <Ccy>	[0..1]	CodeSet	C1	1289
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1289
	Label <Lbl>	[0..1]	Text		1289
	Donation <Dontn>	[0..*]			1289
	Amount <Amt>	[1..1]	Amount		1290
	Currency <Ccy>	[0..1]	CodeSet	C1	1290
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1290
	Label <Lbl>	[0..1]	Text		1290
	AdditionalCharge <AddtlChrg>	[0..*]			1290
	Amount <Amt>	[1..1]	Amount		1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1291
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1291
	Label <Lbl>	[0..1]	Text		1291
	Limits <Lmts>	[0..1]			1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1292
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1292
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1292
	AdditionalAmount <AddtlAmt>	[0..*]			1292
	Type <Tp>	[1..1]	Text		1293
	Amount <Amt>	[1..1]	Amount		1293
	Currency <Ccy>	[0..1]	CodeSet	C1	1293
	Label <Lbl>	[0..1]	Text		1293
	RequestedExecutionDate <ReqdExctnDt>	[0..1]	Date		1293
	ProposedExecutionDate <PropsdExctnDt>	[0..1]	Date		1294

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	InstantTransferProgram <InstntTrfPrgm>	[0..1]	Text		1294
	RecurringTransfer <RcrngTrf>	[0..1]			1294
	StartDate <StartDt>	[1..1]	Date		1294
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1294
	EndDate <EndDt>	[1..1]	Date		1294
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1294
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1295
	AuthorisationResult <AuthstnRslt>	[0..1]			1295
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1296
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1297
	ResponseTrace <RspnTrac>	[0..*]			1297
	ResponderIdentification <RspndrId>	[1..1]	Text		1297
	Codification <Cdfctn>	[0..1]	Text		1297
	Response <Rspn>	[1..1]	Text		1298
	ResponseReason <RspnRsn>	[0..1]	Text		1298
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1298
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1298
	Action <Actn>	[0..*]			1298
	ActionType <ActnTp>	[1..1]	CodeSet		1298
	MessageToPresent <MsgToPres>	[0..1]			1299
	Format <Frmt>	[0..1]	CodeSet		1299
	Message <Msg>	[0..1]	Text		1300
	Reference <Ref>	[0..1]	Text		1300
	Device <Dvc>	[0..1]	CodeSet		1300
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1300
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1300
	FeeToAdd <FeeToAdd>	[0..*]			1302
	Amount <Amt>	[1..1]	Amount		1302
	Currency <Ccy>	[0..1]	CodeSet	C1	1302
	FeeLabel <FeeLbl>	[0..1]	Text		1303
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1303

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	Command <Cmd>	[0..*]			1303
	Type <Tp>	[1..1]	CodeSet		1303
	Urgency <Urgcy>	[1..1]	CodeSet		1304
	DateTime <DtTm>	[0..1]	DateTime		1304
	CommandIdentification <CmdId>	[0..1]	±		1304
	CommandParameters <CmdParams>	[0..1]	±		1304
	AccountInformation <AcctInf>	[0..*]			1305
	AccountType <AcctTp>	[0..1]	CodeSet		1307
	AccountName <AcctNm>	[0..1]	Text		1308
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1308
	Currency <Ccy>	[0..1]	CodeSet	C1	1308
	AccountIdentifier <AcctIdr>	[0..1]			1308
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1309
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1309
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1309
Or	DomesticAccount <DmstAcct>	[1..1]			1309
	Identification <Id>	[1..1]	Text		1310
Or	MSISDN <MSISDN>	[1..1]	Text		1310
Or}	Email <Email>	[1..1]	Text		1310
	CreditReference <CdtRef>	[0..1]	Text		1310
	Servicer <Svcr>	[0..1]			1310
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1311
	Balance <Bal>	[0..*]			1311
	Amount <Amt>	[1..1]	Amount	C6	1311
	Sign <Sgn>	[0..1]	Indicator		1312
	Date <Dt>	[0..1]	Date		1312
	Label <Lab>	[0..1]	Text		1312
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1312
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1312
	AllowedService <AllwdSvc>	[0..*]			1313

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		1313
	ServiceVariant <SvcVarnt>	[0..*]			1314
	Identification <Id>	[1..1]	Text		1314
	Label <Lbl>	[0..1]	Text		1314
	Limits <Lmts>	[0..*]			1314
	Currency <Ccy>	[0..1]	CodeSet	C1	1315
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1315
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1315
	AdditionalAmount <AddtlAmt>	[0..*]			1315
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Lbl>	[0..1]	Text		1316
	SecurityTrailer <SctyTrlr>	[0..1]			1316
	ContentType <CnttTp>	[1..1]	CodeSet		1317
	AuthenticatedData <AuthntcdData>	[1..1]	±		1317

34.3 Constraints

C1 ActiveCurrency

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

C2 AnyBIC

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

C3 Country

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

C4 IBAN

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

C5 ValidationByTable

Must be a valid terrestrial language.

C6 ValidationByTable

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

34.4 Message Building Blocks

This chapter describes the MessageBuildingBlocks of this MessageDefinition.

34.4.1 Header <Hdr>

Presence: [1..1]

Definition: Information related to the protocol management on a segment of the path from the ATM to the acquirer.

Header <Hdr> contains the following **Header31** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MessageFunction <MsgFctn>	[1..1]			1239
	Function <Fctn>	[1..1]	CodeSet		1240
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1241
	HostServiceCode <HstSvcCd>	[0..1]	Text		1241
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1241
	ExchangeIdentification <XchgId>	[1..1]	Text		1242
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1242
	InitiatingParty <InitgPty>	[1..1]	Text		1242
	RecipientParty <RcptPty>	[0..1]	Text		1242
	ProcessState <PrcStat>	[0..1]	Text		1242
	Traceability <Tracblt>	[0..*]			1242
	RelayIdentification <RlayId>	[1..1]	±		1242
	SequenceNumber <SeqNb>	[0..1]	Text		1243
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		1243
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1243

34.4.1.1 MessageFunction <MsgFctn>

Presence: [1..1]

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

MessageFunction <MsgFctn> contains the following **ATMMessageFunction2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Function <Fctn>	[1..1]	CodeSet		1240
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1241
	HostServiceCode <HstSvcCd>	[0..1]	Text		1241

34.4.1.1.1 Function <Fctn>

Presence: [1..1]

Definition: Type of requested function.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.

CodeName	Name	Definition
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

34.4.1.1.2 ATMSvcCd <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

34.4.1.1.3 HstSvcCd <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM manager host.

Datatype: "Max35Text" on page 1483

34.4.1.2 ProtocolVersion <PrtcolVrsn>

Presence: [1..1]

Definition: Version of the ATM protocol specifications.

Datatype: "Max6Text" on page 1484

34.4.1.3 ExchangeIdentification <XchgId>

Presence: [1..1]

Definition: Unique identification of an exchange occurrence.

Datatype: "Max3NumericText" on page 1484

34.4.1.4 CreationDateTime <CreDtTm>

Presence: [1..1]

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

Datatype: "ISODateTime" on page 1478

34.4.1.5 InitiatingParty <InitgPty>

Presence: [1..1]

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

Datatype: "Max35Text" on page 1483

34.4.1.6 RecipientParty <RcptPty>

Presence: [0..1]

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

Datatype: "Max35Text" on page 1483

34.4.1.7 ProcessState <PrcStat>

Presence: [0..1]

Definition: State of the sender of the message inside the process flow.

Datatype: "Max35Text" on page 1483

34.4.1.8 Traceability <Tracblt>

Presence: [0..*]

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

Traceability <Tracblt> contains the following **Traceability4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	RelayIdentification <RlayId>	[1..1]	±		1242
	SequenceNumber <SeqNb>	[0..1]	Text		1243
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		1243
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1243

34.4.1.8.1 RelayIdentification <RlayId>

Presence: [1..1]

Definition: Identification of a partner of a message exchange.

RelayIdentification <RlayId> contains the following elements (see "[GenericIdentification77](#)" on page 1382 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

34.4.1.8.2 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Identification of the relay node in the path, to enable identification of several hosts in parallel.

Datatype: "[Max35Text](#)" on page 1483

34.4.1.8.3 TraceDateTimeln <TracDtTmln>

Presence: [1..1]

Definition: Date and time of incoming data exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

34.4.1.8.4 TraceDateTimeOut <TracDtTmOut>

Presence: [1..1]

Definition: Date and time of the outgoing exchange for relaying or processing.

Datatype: "[ISODatetime](#)" on page 1478

34.4.2 ProtectedATMTransferResponse <PrtctdATMTrfRspn>

Presence: [0..1]

Definition: Encrypted body of the message.

ProtectedATMTransferResponse <PrtctdATMTrfRspn> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

34.4.3 ATMTransferResponse <ATMTrfRspn>

Presence: [0..1]

Definition: Information related to the response of an ATM transfer from an ATM manager.

ATMTransferResponse <ATMTrfRspn> contains the following **ATMTransferResponse2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Environment <Envt>	[1..1]			1250
	Acquirer <Acqrr>	[0..1]	±		1251
	ATMManager <ATMMgr>	[0..1]	±		1252
	HostingEntity <HstgNtty>	[0..1]	±		1252
	ATM <ATM>	[1..1]	±		1252
	Customer <Cstmr>	[1..1]			1253
	Profile <Prfl>	[0..1]			1254
	ProfileReference <PrflRef>	[0..1]	Text		1254
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1254
	AuthenticationResult <AuthntcnRslt>	[0..*]			1254
	Method <Mtd>	[1..1]	CodeSet		1255
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1255
	Result <Rslt>	[0..1]	CodeSet		1256
	AdditionalResult <AddtlRslt>	[0..1]	Text		1256
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1256
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1256
	ProtectedCardData <PrtctdCardData>	[0..1]	±		1257
	PlainCardData <PlainCardData>	[0..1]			1257
	PAN <PAN>	[0..1]	Text		1257
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1257
	EffectiveDate <FctvDt>	[0..1]	Text		1257
	ExpiryDate <XpryDt>	[0..1]	Text		1258
	Track1 <Trck1>	[0..1]	Text		1258
	Track2 <Trck2>	[0..1]	Text		1258
	Track3 <Trck3>	[0..1]	Text		1258
	Context <Cntxt>	[1..1]			1258
	SessionReference <SsnRef>	[0..1]	Text		1259
	Service <Svc>	[1..1]			1259
	ServiceReference <SvcRef>	[0..1]	Text		1259
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1259
	HostServiceCode <HstSvcCd>	[0..1]	Text		1260

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		1260
	ServiceVariantIdentification <SvcVarntld>	[0..*]	Text		1260
	Transaction <Tx>	[1..1]			1260
	TransactionIdentification <Txld>	[1..1]	±		1266
	ReconciliationIdentification <Rcncltnld>	[0..1]	Text		1267
	CreditorLabel <CdtrLbl>	[0..1]	Text		1267
	DebtorLabel <DbtrLbl>	[0..1]	Text		1267
	TransferIdentifier <Trfldr>	[0..1]	Text		1267
	PaymentReference <PmtRef>	[0..1]	Text		1267
	TransactionResponse <TxRspn>	[1..1]	±		1267
	Action <Actn>	[0..*]			1267
	ActionType <ActnTp>	[1..1]	CodeSet		1268
	MessageToPresent <MsgToPres>	[0..1]			1268
	Format <Frmt>	[0..1]	CodeSet		1269
	Message <Msg>	[0..1]	Text		1269
	Reference <Ref>	[0..1]	Text		1269
	Device <Dvc>	[0..1]	CodeSet		1269
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1270
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1270
	AccountFrom <AcctFr>	[0..1]			1271
	AccountType <AcctTp>	[0..1]	CodeSet		1272
	AccountName <AcctNm>	[0..1]	Text		1273
	Currency <Ccy>	[0..1]	CodeSet	C1	1273
	AccountIdentifier <Acctldr>	[0..1]			1274
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1274
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1274
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1275
Or	DomesticAccount <DmstAcct>	[1..1]			1275
	Identification <Id>	[1..1]	Text		1275
Or	MSISDN <MSISDN>	[1..1]	Text		1275
Or}	Email <Email>	[1..1]	Text		1275

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CreditReference <CdtRef>	[0..1]	Text		1275
	Servicer <Svcr>	[0..1]			1275
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1276
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1276
	BalanceBefore <BalBfr>	[0..1]			1276
	Amount <Amt>	[1..1]	Amount	C6	1277
	Sign <Sgn>	[0..1]	Indicator		1277
	Date <Dt>	[0..1]	Date		1277
	Label <Lbl>	[0..1]	Text		1277
	BalanceAfter <BalAft>	[0..1]			1277
	Amount <Amt>	[1..1]	Amount	C6	1278
	Sign <Sgn>	[0..1]	Indicator		1278
	Date <Dt>	[0..1]	Date		1278
	Label <Lbl>	[0..1]	Text		1278
	ProtectedAccountFrom <PrctdAcctFr>	[0..1]	±		1279
	AccountTo <AcctTo>	[0..*]			1279
	AccountType <AcctTp>	[0..1]	CodeSet		1280
	AccountName <AcctNm>	[0..1]	Text		1281
	Currency <Ccy>	[0..1]	CodeSet	C1	1281
	AccountIdentifier <AcctIdr>	[0..1]			1282
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1282
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1282
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1283
Or	DomesticAccount <DmstAcct>	[1..1]			1283
	Identification <Id>	[1..1]	Text		1283
Or	MSISDN <MSISDN>	[1..1]	Text		1283
Or}	Email <Email>	[1..1]	Text		1283
	CreditReference <CdtRef>	[0..1]	Text		1283
	Servicer <Svcr>	[0..1]			1283
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1284
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1284

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	BalanceBefore <BalBfr>	[0..1]			1284
	Amount <Amt>	[1..1]	Amount	C6	1285
	Sign <Sgn>	[0..1]	Indicator		1285
	Date <Dt>	[0..1]	Date		1285
	Label <Labl>	[0..1]	Text		1285
	BalanceAfter <BalAfr>	[0..1]			1285
	Amount <Amt>	[1..1]	Amount	C6	1286
	Sign <Sgn>	[0..1]	Indicator		1286
	Date <Dt>	[0..1]	Date		1286
	Label <Labl>	[0..1]	Text		1286
	ProtectedAccountTo <PrtctdAcctTo>	[0..1]	±		1287
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..1]	±		1287
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		1287
	DetailedRequestedAmount <DtldReqdAmt>	[0..1]			1287
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1288
	Currency <Ccy>	[0..1]	CodeSet	C1	1288
	Fees <Fees>	[0..*]			1288
	Amount <Amt>	[1..1]	Amount		1289
	Currency <Ccy>	[0..1]	CodeSet	C1	1289
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1289
	Label <Labl>	[0..1]	Text		1289
	Donation <Dontn>	[0..*]			1289
	Amount <Amt>	[1..1]	Amount		1290
	Currency <Ccy>	[0..1]	CodeSet	C1	1290
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1290
	Label <Labl>	[0..1]	Text		1290
	AdditionalCharge <AddtlChrg>	[0..*]			1290
	Amount <Amt>	[1..1]	Amount		1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1291
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1291
	Label <Labl>	[0..1]	Text		1291

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Limits <Lmts>	[0..1]			1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1292
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1292
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1292
	AdditionalAmount <AddtlAmt>	[0..*]			1292
	Type <Tp>	[1..1]	Text		1293
	Amount <Amt>	[1..1]	Amount		1293
	Currency <Ccy>	[0..1]	CodeSet	C1	1293
	Label <Lbl>	[0..1]	Text		1293
	RequestedExecutionDate <ReqdExctnDt>	[0..1]	Date		1293
	ProposedExecutionDate <PropsdExctnDt>	[0..1]	Date		1294
	InstantTransferProgram <InstntTrfPrgm>	[0..1]	Text		1294
	RecurringTransfer <RcrngTrf>	[0..1]			1294
	StartDate <StartDt>	[1..1]	Date		1294
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1294
	EndDate <EndDt>	[1..1]	Date		1294
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1294
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1295
	AuthorisationResult <AuthstnRslt>	[0..1]			1295
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1296
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1297
	ResponseTrace <RspnTrac>	[0..*]			1297
	ResponderIdentification <RspndrId>	[1..1]	Text		1297
	Codification <Cdfctn>	[0..1]	Text		1297
	Response <Rspn>	[1..1]	Text		1298
	ResponseReason <RspnRsn>	[0..1]	Text		1298
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1298
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1298
	Action <Actn>	[0..*]			1298
	ActionType <ActnTp>	[1..1]	CodeSet		1298
	MessageToPresent <MsgToPres>	[0..1]			1299

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Fmt>	[0..1]	CodeSet		1299
	Message <Msg>	[0..1]	Text		1300
	Reference <Ref>	[0..1]	Text		1300
	Device <Dvc>	[0..1]	CodeSet		1300
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1300
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1300
	FeeToAdd <FeeToAdd>	[0..*]			1302
	Amount <Amt>	[1..1]	Amount		1302
	Currency <Ccy>	[0..1]	CodeSet	C1	1302
	FeeLabel <FeeLbl>	[0..1]	Text		1303
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1303
	Command <Cmd>	[0..*]			1303
	Type <Tp>	[1..1]	CodeSet		1303
	Urgency <Urgcy>	[1..1]	CodeSet		1304
	DateTime <DtTm>	[0..1]	DateTime		1304
	CommandIdentification <CmdId>	[0..1]	±		1304
	CommandParameters <CmdParams>	[0..1]	±		1304
	AccountInformation <AcctInf>	[0..*]			1305
	AccountType <AcctTp>	[0..1]	CodeSet		1307
	AccountName <AcctNm>	[0..1]	Text		1308
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1308
	Currency <Ccy>	[0..1]	CodeSet	C1	1308
	AccountIdentifier <AcctIdr>	[0..1]			1308
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1309
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1309
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1309
Or	DomesticAccount <DmstAcct>	[1..1]			1309
	Identification <Id>	[1..1]	Text		1310
Or	MSISDN <MSISDN>	[1..1]	Text		1310
Or}	Email <Email>	[1..1]	Text		1310
	CreditReference <CdtRef>	[0..1]	Text		1310

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Servicer <Svcr>	[0..1]			1310
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1311
	Balance <Bal>	[0..*]			1311
	Amount <Amt>	[1..1]	Amount	C6	1311
	Sign <Sgn>	[0..1]	Indicator		1312
	Date <Dt>	[0..1]	Date		1312
	Label <Lbl>	[0..1]	Text		1312
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1312
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1312
	AllowedService <AllwdSvc>	[0..*]			1313
	ServiceType <SvcTp>	[1..1]	CodeSet		1313
	ServiceVariant <SvcVarnt>	[0..*]			1314
	Identification <Id>	[1..1]	Text		1314
	Label <Lbl>	[0..1]	Text		1314
	Limits <Lmts>	[0..*]			1314
	Currency <Ccy>	[0..1]	CodeSet	C1	1315
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1315
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1315
	AdditionalAmount <AddtlAmt>	[0..*]			1315
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Lbl>	[0..1]	Text		1316

34.4.3.1 Environment <Envt>

Presence: [1..1]

Definition: Environment of the transaction.

Environment <Envt> contains the following **ATMEnvironment21** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Acquirer <Acqrr>	[0..1]	±		1251
	ATMManager <ATMMgr>	[0..1]	±		1252
	HostingEntity <HstgNtty>	[0..1]	±		1252
	ATM <ATM>	[1..1]	±		1252
	Customer <Cstmr>	[1..1]			1253
	Profile <Prfl>	[0..1]			1254
	ProfileReference <PrflRef>	[0..1]	Text		1254
	CustomerIdentification <CstmrlId>	[0..1]	Text		1254
	AuthenticationResult <AuthntcnRslt>	[0..*]			1254
	Method <Mtd>	[1..1]	CodeSet		1255
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1255
	Result <Rslt>	[0..1]	CodeSet		1256
	AdditionalResult <AddtlRslt>	[0..1]	Text		1256
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1256
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1256
	ProtectedCardData <PrctcdCardData>	[0..1]	±		1257
	PlainCardData <PlainCardData>	[0..1]			1257
	PAN <PAN>	[0..1]	Text		1257
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1257
	EffectiveDate <FctvDt>	[0..1]	Text		1257
	ExpiryDate <XpryDt>	[0..1]	Text		1258
	Track1 <Trck1>	[0..1]	Text		1258
	Track2 <Trck2>	[0..1]	Text		1258
	Track3 <Trck3>	[0..1]	Text		1258

34.4.3.1.1 Acquirer <Acqrr>

Presence: [0..1]

Definition: Acquirer of the transactions, in charge of the funds settlement with the issuer.

Acquirer <Acqrr> contains the following elements (see "Acquirer7" on page 1319 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

34.4.3.1.2 ATMManager <ATMMgr>

Presence: [0..1]

Definition: Institution in charge of managing the ATM.

ATMManager <ATMMgr> contains the following elements (see "Acquirer8" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

34.4.3.1.3 HostingEntity <HstgNtty>

Presence: [0..1]

Definition: Entity hosting the ATM terminal.

HostingEntity <HstgNtty> contains the following elements (see "TerminalHosting1" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

34.4.3.1.4 ATM <ATM>

Presence: [1..1]

Definition: ATM information.

ATM <ATM> contains the following elements (see "AutomatedTellerMachine2" on page 1354 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1355
	AdditionalIdentification <AddtlId>	[0..1]	Text		1355
	SequenceNumber <SeqNb>	[0..1]	Text		1355
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1356
	Location <Lctn>	[0..1]			1356
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

34.4.3.1.5 Customer <Cstmr>

Presence: [1..1]

Definition: Customer involved in the transaction.

Customer <Cstmr> contains the following **ATMCustomer9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Profile <Prfl>	[0..1]			1254
	ProfileReference <PrflRef>	[0..1]	Text		1254
	CustomerIdentification <CstmrlId>	[0..1]	Text		1254
	AuthenticationResult <AuthntcnRslt>	[0..*]			1254
	Method <Mtd>	[1..1]	CodeSet		1255
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1255
	Result <Rslt>	[0..1]	CodeSet		1256
	AdditionalResult <AddtlRslt>	[0..1]	Text		1256
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1256
	PreferredLanguage <PrefrdLang>	[0..1]	CodeSet	C5	1256

34.4.3.1.5.1 Profile <Prfl>

Presence: [0..1]

Definition: Profile of the customer selected to perform the transaction.

Profile <Prfl> contains the following **ATMCustomerProfile2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ProfileReference <PrflRef>	[0..1]	Text		1254
	CustomerIdentification <CstmrlId>	[0..1]	Text		1254

34.4.3.1.5.1.1 ProfileReference <PrflRef>

Presence: [0..1]

Definition: Reference of the customer profile.

Datatype: "Max35Text" on page 1483

34.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

Presence: [0..1]

Definition: Identification of the customer for the bank.

Datatype: "Max35Text" on page 1483

34.4.3.1.5.2 AuthenticationResult <AuthntcnRslt>

Presence: [0..*]

Definition: Result of the customer authentication for this transaction.

AuthenticationResult <AuthntcnRslt> contains the following **TransactionVerificationResult5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Method <Mtd>	[1..1]	CodeSet		1255
	VerificationEntity <VrfctnNtty>	[0..1]	CodeSet		1255
	Result <Rslt>	[0..1]	CodeSet		1256
	AdditionalResult <AddtlRslt>	[0..1]	Text		1256
	AuthenticationToken <AuthntcnTkn>	[0..1]	Binary		1256

34.4.3.1.5.2.1 Method <Mtd>

Presence: [1..1]

Definition: Method of verification that has been performed.

Datatype: "AuthenticationMethod7Code" on page 1454

CodeName	Name	Definition
TOKA	AuthenticationToken	A token is used to verify an already performed authentication.
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

34.4.3.1.5.2.2 VerificationEntity <VrfctnNtty>

Presence: [0..1]

Definition: Entity or device that has performed the verification.

Datatype: "AuthenticationEntity2Code" on page 1454

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).

CodeName	Name	Definition
ACQR	Acquirer	Acquirer of the transaction.
ISSR	Issuer	Card issuer.
TRML	Terminal	Secure application in the terminal.

34.4.3.1.5.2.3 Result <Rslt>

Presence: [0..1]

Definition: Result of the verification.

Datatype: "Verification1Code" on page 1478

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.

34.4.3.1.5.2.4 AdditionalResult <AddtlRslt>

Presence: [0..1]

Definition: Additional result of the verification.

Datatype: "Max500Text" on page 1484

34.4.3.1.5.2.5 AuthenticationToken <AuthntcnTkn>

Presence: [0..1]

Definition: Token provided to the ATM for further proof of authentication.

Datatype: "Max140Binary" on page 1432

34.4.3.1.5.3 PreferredLanguage <PrefrdLang>

Presence: [0..1]

Definition: Language selected by the customer and stored by the issuer to be used in future customer sessions. The PreferredLanguage can be obtained by sending an ATMInquiryRequest to the issuer. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C5 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

34.4.3.1.6 ProtectedCardData <PrtctdCardData>

Presence: [0..1]

Definition: Encryption of the sensitive card data.

ProtectedCardData <PrtctdCardData> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

34.4.3.1.7 PlainCardData <PlainCardData>

Presence: [0..1]

Definition: Sensitive data associated with the card performing the transaction.

PlainCardData <PlainCardData> contains the following **PlainCardData24** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PAN <PAN>	[0..1]	Text		1257
	CardSequenceNumber <CardSeqNb>	[0..1]	Text		1257
	EffectiveDate <FctvDt>	[0..1]	Text		1257
	ExpiryDate <XpryDt>	[0..1]	Text		1258
	Track1 <Trck1>	[0..1]	Text		1258
	Track2 <Trck2>	[0..1]	Text		1258
	Track3 <Trck3>	[0..1]	Text		1258

34.4.3.1.7.1 PAN <PAN>

Presence: [0..1]

Definition: Primary Account Number (PAN) of the card.

Datatype: "[Min8Max28NumericText](#)" on page 1486

34.4.3.1.7.2 CardSequenceNumber <CardSeqNb>

Presence: [0..1]

Definition: Identify a card or a payment token inside a set of cards with the same PAN.

Datatype: "[Min2Max3NumericText](#)" on page 1485

34.4.3.1.7.3 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 1482

34.4.3.1.7.4 ExpiryDate <XpryDt>

Presence: [0..1]

Definition: Expiry date of the card expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Datatype: "Max10DateText" on page 1482

34.4.3.1.7.5 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 1485

34.4.3.1.7.6 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 1483

34.4.3.1.7.7 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 1481

34.4.3.2 Context <Cntxt>

Presence: [1..1]

Definition: Context in which the transfer is performed.

Context <Cntxt> contains the following **ATMContext19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SessionReference <SsnRef>	[0..1]	Text		1259
	Service <Svc>	[1..1]			1259
	ServiceReference <SvcRef>	[0..1]	Text		1259
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1259
	HostServiceCode <HstSvcCd>	[0..1]	Text		1260
	ServiceType <SvcTp>	[1..1]	CodeSet		1260
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1260

34.4.3.2.1 SessionReference <SsnRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the transfer is performed.

Datatype: "Max35Text" on page 1483

34.4.3.2.2 Service <Svc>

Presence: [1..1]

Definition: Fund transfer service requested by the ATM inside the session.

Service <Svc> contains the following **ATMService23** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceReference <SvcRef>	[0..1]	Text		1259
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1259
	HostServiceCode <HstSvcCd>	[0..1]	Text		1260
	ServiceType <SvcTp>	[1..1]	CodeSet		1260
	ServiceVariantIdentification <SvcVarntId>	[0..*]	Text		1260

34.4.3.2.2.1 ServiceReference <SvcRef>

Presence: [0..1]

Definition: Unique identification of the customer session in which the transfer is performed.

Datatype: "Max35Text" on page 1483

34.4.3.2.2.2 ATMServiceCode <ATMSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the ATM.

Datatype: "Max35Text" on page 1483

34.4.3.2.2.3 HostServiceCode <HstSvcCd>

Presence: [0..1]

Definition: Codification of the type of service for the host.

Datatype: "Max35Text" on page 1483

34.4.3.2.2.4 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of fund transfer selected by the customer or the ATM.

Datatype: "ATMServiceType9Code" on page 1452

CodeName	Name	Definition
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
TRFP	Payment	Funds transfer to pay a third party.

34.4.3.2.2.5 ServiceVariantIdentification <SvcVarntId>

Presence: [0..*]

Definition: Identification of the variant of the service.

Datatype: "Max35Text" on page 1483

34.4.3.3 Transaction <Tx>

Presence: [1..1]

Definition: Transfer information for the transaction.

Transaction <Tx> contains the following **ATMTransaction39** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionIdentification <TxId>	[1..1]	±		1266
	ReconciliationIdentification <RcncltnId>	[0..1]	Text		1267
	CreditorLabel <CdtrLbl>	[0..1]	Text		1267
	DebtorLabel <DbtrLbl>	[0..1]	Text		1267
	TransferIdentifier <TrfIdr>	[0..1]	Text		1267
	PaymentReference <PmtRef>	[0..1]	Text		1267
	TransactionResponse <TxRspn>	[1..1]	±		1267
	Action <Actn>	[0..*]			1267
	ActionType <ActnTp>	[1..1]	CodeSet		1268
	MessageToPresent <MsgToPres>	[0..1]			1268
	Format <Frmt>	[0..1]	CodeSet		1269
	Message <Msg>	[0..1]	Text		1269
	Reference <Ref>	[0..1]	Text		1269
	Device <Dvc>	[0..1]	CodeSet		1269
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1270
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1270
	AccountFrom <AcctFr>	[0..1]			1271
	AccountType <AcctTp>	[0..1]	CodeSet		1272
	AccountName <AcctNm>	[0..1]	Text		1273
	Currency <Ccy>	[0..1]	CodeSet	C1	1273
	AccountIdentifier <AcctIdr>	[0..1]			1274
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1274
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1274
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1275
Or	DomesticAccount <DmstAcct>	[1..1]			1275
	Identification <Id>	[1..1]	Text		1275
Or	MSISDN <MSISDN>	[1..1]	Text		1275
Or}	Email <Email>	[1..1]	Text		1275
	CreditReference <CdtRef>	[0..1]	Text		1275
	Servicer <Svcr>	[0..1]			1275
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1276

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1276
	BalanceBefore <BalBfr>	[0..1]			1276
	Amount <Amt>	[1..1]	Amount	C6	1277
	Sign <Sgn>	[0..1]	Indicator		1277
	Date <Dt>	[0..1]	Date		1277
	Label <Labl>	[0..1]	Text		1277
	BalanceAfter <BalAft>	[0..1]			1277
	Amount <Amt>	[1..1]	Amount	C6	1278
	Sign <Sgn>	[0..1]	Indicator		1278
	Date <Dt>	[0..1]	Date		1278
	Label <Labl>	[0..1]	Text		1278
	ProtectedAccountFrom <PrctdAcctFr>	[0..1]	±		1279
	AccountTo <AcctTo>	[0..*]			1279
	AccountType <AcctTp>	[0..1]	CodeSet		1280
	AccountName <AcctNm>	[0..1]	Text		1281
	Currency <Ccy>	[0..1]	CodeSet	C1	1281
	AccountIdentifier <AcctIdr>	[0..1]			1282
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1282
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1282
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1283
Or	DomesticAccount <DmstAcct>	[1..1]			1283
	Identification <Id>	[1..1]	Text		1283
Or	MSISDN <MSISDN>	[1..1]	Text		1283
Or}	Email <Email>	[1..1]	Text		1283
	CreditReference <CdtRef>	[0..1]	Text		1283
	Servicer <Svcr>	[0..1]			1283
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1284
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1284
	BalanceBefore <BalBfr>	[0..1]			1284
	Amount <Amt>	[1..1]	Amount	C6	1285
	Sign <Sgn>	[0..1]	Indicator		1285

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Date <Dt>	[0..1]	Date		1285
	Label <Labl>	[0..1]	Text		1285
	BalanceAfter <BalAft>	[0..1]			1285
	Amount <Amt>	[1..1]	Amount	C6	1286
	Sign <Sgn>	[0..1]	Indicator		1286
	Date <Dt>	[0..1]	Date		1286
	Label <Labl>	[0..1]	Text		1286
	ProtectedAccountTo <PrtctdAcctTo>	[0..1]	±		1287
	TotalAuthorisedAmount <TtlAuthrsdAmt>	[1..1]	±		1287
	TotalRequestedAmount <TtlReqdAmt>	[0..1]	Amount		1287
	DetailedRequestedAmount <DtlReqdAmt>	[0..1]			1287
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1288
	Currency <Ccy>	[0..1]	CodeSet	C1	1288
	Fees <Fees>	[0..*]			1288
	Amount <Amt>	[1..1]	Amount		1289
	Currency <Ccy>	[0..1]	CodeSet	C1	1289
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1289
	Label <Labl>	[0..1]	Text		1289
	Donation <Dontn>	[0..*]			1289
	Amount <Amt>	[1..1]	Amount		1290
	Currency <Ccy>	[0..1]	CodeSet	C1	1290
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1290
	Label <Labl>	[0..1]	Text		1290
	AdditionalCharge <AddtlChrg>	[0..*]			1290
	Amount <Amt>	[1..1]	Amount		1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1291
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1291
	Label <Labl>	[0..1]	Text		1291
	Limits <Lmts>	[0..1]			1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1292
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1292

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1292
	AdditionalAmount <AddtlAmt>	[0..*]			1292
	Type <Tp>	[1..1]	Text		1293
	Amount <Amt>	[1..1]	Amount		1293
	Currency <Ccy>	[0..1]	CodeSet	C1	1293
	Label <Labl>	[0..1]	Text		1293
	RequestedExecutionDate <ReqdExctnDt>	[0..1]	Date		1293
	ProposedExecutionDate <PropsdExctnDt>	[0..1]	Date		1294
	InstantTransferProgram <InstntTrfPrgm>	[0..1]	Text		1294
	RecurringTransfer <RcrngTrf>	[0..1]			1294
	StartDate <StartDt>	[1..1]	Date		1294
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1294
	EndDate <EndDt>	[1..1]	Date		1294
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1294
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1295
	AuthorisationResult <AuthstnRslt>	[0..1]			1295
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1296
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1297
	ResponseTrace <RspnTrac>	[0..*]			1297
	ResponderIdentification <Rspndrld>	[1..1]	Text		1297
	Codification <Cdfctn>	[0..1]	Text		1297
	Response <Rspn>	[1..1]	Text		1298
	ResponseReason <RspnRsn>	[0..1]	Text		1298
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1298
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1298
	Action <Actn>	[0..*]			1298
	ActionType <ActnTp>	[1..1]	CodeSet		1298
	MessageToPresent <MsgToPres>	[0..1]			1299
	Format <Frmt>	[0..1]	CodeSet		1299
	Message <Msg>	[0..1]	Text		1300
	Reference <Ref>	[0..1]	Text		1300

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Device <Dvc>	[0..1]	CodeSet		1300
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1300
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1300
	FeeToAdd <FeeToAdd>	[0..*]			1302
	Amount <Amt>	[1..1]	Amount		1302
	Currency <Ccy>	[0..1]	CodeSet	C1	1302
	FeeLabel <FeeLbl>	[0..1]	Text		1303
	ICCRRelatedData <ICCRltdData>	[0..1]	Binary		1303
	Command <Cmd>	[0..*]			1303
	Type <Tp>	[1..1]	CodeSet		1303
	Urgency <Urgcy>	[1..1]	CodeSet		1304
	DateTime <DtTm>	[0..1]	DateTime		1304
	CommandIdentification <Cmdld>	[0..1]	±		1304
	CommandParameters <CmdParams>	[0..1]	±		1304
	AccountInformation <AcctInf>	[0..*]			1305
	AccountType <AcctTp>	[0..1]	CodeSet		1307
	AccountName <AcctNm>	[0..1]	Text		1308
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1308
	Currency <Ccy>	[0..1]	CodeSet	C1	1308
	AccountIdentifier <Acctldr>	[0..1]			1308
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1309
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1309
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1309
Or	DomesticAccount <DmstAcct>	[1..1]			1309
	Identification <ld>	[1..1]	Text		1310
Or	MSISDN <MSISDN>	[1..1]	Text		1310
Or}	Email <Email>	[1..1]	Text		1310
	CreditReference <CdtRef>	[0..1]	Text		1310
	Servicer <Svcr>	[0..1]			1310
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	ProprietaryIdentification <Prtryld>	[1..1]	±		1311

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Balance <Bal>	[0..*]			1311
	Amount <Amt>	[1..1]	Amount	C6	1311
	Sign <Sgn>	[0..1]	Indicator		1312
	Date <Dt>	[0..1]	Date		1312
	Label <Lbl>	[0..1]	Text		1312
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1312
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1312
	AllowedService <AllwdSvc>	[0..*]			1313
	ServiceType <SvcTp>	[1..1]	CodeSet		1313
	ServiceVariant <SvcVarnt>	[0..*]			1314
	Identification <Id>	[1..1]	Text		1314
	Label <Lbl>	[0..1]	Text		1314
	Limits <Lmts>	[0..*]			1314
	Currency <Ccy>	[0..1]	CodeSet	C1	1315
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1315
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1315
	AdditionalAmount <AddtlAmt>	[0..*]			1315
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Lbl>	[0..1]	Text		1316

34.4.3.3.1 TransactionIdentification <TxId>

Presence: [1..1]

Definition: Identification of the transaction assigned by the ATM.

TransactionIdentification <TxId> contains the following elements (see ["TransactionIdentifier3"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

34.4.3.3.2 ReconciliationIdentification <RcncltnId>

Presence: [0..1]

Definition: Identification of the reconciliation period assigned by the ATM.

Datatype: "Max35Text" on page 1483

34.4.3.3.3 CreditorLabel <CdtrLbl>

Presence: [0..1]

Definition: Description of the transfer for the creditor.

Datatype: "Max35Text" on page 1483

34.4.3.3.4 DebtorLabel <DbtrLbl>

Presence: [0..1]

Definition: Description of the transfer for the debtor.

Datatype: "Max35Text" on page 1483

34.4.3.3.5 TransferIdentifier <Trfldr>

Presence: [0..1]

Definition: Identifier of the approved transfer transaction for the bank.

Datatype: "Max70Text" on page 1485

34.4.3.3.6 PaymentReference <PmtRef>

Presence: [0..1]

Definition: Reference of the payment.

Datatype: "Max35Text" on page 1483

34.4.3.3.7 TransactionResponse <TxRspn>

Presence: [1..1]

Definition: Result of the fund transfer request.

TransactionResponse <TxRspn> contains the following elements (see "ResponseType12" on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

34.4.3.3.8 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		1268
	MessageToPresent <MsgToPres>	[0..1]			1268
	Format <Frmt>	[0..1]	CodeSet		1269
	Message <Msg>	[0..1]	Text		1269
	Reference <Ref>	[0..1]	Text		1269
	Device <Dvc>	[0..1]	CodeSet		1269
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1270
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1270

34.4.3.3.8.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

34.4.3.3.8.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1269
	Message <Msg>	[0..1]	Text		1269
	Reference <Ref>	[0..1]	Text		1269
	Device <Dvc>	[0..1]	CodeSet		1269
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1270

34.4.3.3.8.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
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.

34.4.3.3.8.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

34.4.3.3.8.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

34.4.3.3.8.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.

CodeName	Name	Definition
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

34.4.3.3.8.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

34.4.3.3.8.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAP	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.

CodeName	Name	Definition
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

34.4.3.3.9 AccountFrom <AcctFr>

Presence: [0..1]

Definition: Information about the source account of the transfer.

AccountFrom <AcctFr> contains the following **CardAccount19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1272
	AccountName <AcctNm>	[0..1]	Text		1273
	Currency <Ccy>	[0..1]	CodeSet	C1	1273
	AccountIdentifier <AcctIdr>	[0..1]			1274
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1274
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1274
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1275
Or	DomesticAccount <DmstAcct>	[1..1]			1275
	Identification <Id>	[1..1]	Text		1275
Or	MSISDN <MSISDN>	[1..1]	Text		1275
Or}	Email <Email>	[1..1]	Text		1275
	CreditReference <CdtRef>	[0..1]	Text		1275
	Servicer <Svcr>	[0..1]			1275
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1276
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1276
	BalanceBefore <BalBfr>	[0..1]			1276
	Amount <Amt>	[1..1]	Amount	C6	1277
	Sign <Sgn>	[0..1]	Indicator		1277
	Date <Dt>	[0..1]	Date		1277
	Label <Lbl>	[0..1]	Text		1277
	BalanceAfter <BalAft>	[0..1]			1277
	Amount <Amt>	[1..1]	Amount	C6	1278
	Sign <Sgn>	[0..1]	Indicator		1278
	Date <Dt>	[0..1]	Date		1278
	Label <Lbl>	[0..1]	Text		1278

34.4.3.3.9.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.

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

34.4.3.3.9.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

34.4.3.3.9.3 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

34.4.3.3.9.4 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1274
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1274
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1275
Or	DomesticAccount <DmstAcct>	[1..1]			1275
	Identification <Id>	[1..1]	Text		1275
Or	MSISDN <MSISDN>	[1..1]	Text		1275
Or}	Email <Email>	[1..1]	Text		1275

34.4.3.3.9.4.1 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 1479

Constraints

• IBAN

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

34.4.3.3.9.4.2 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 1479

34.4.3.3.9.4.3 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: "UPIIdentifier" on page 1480

34.4.3.3.9.4.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1275

34.4.3.3.9.4.4.1 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 1483

34.4.3.3.9.4.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

34.4.3.3.9.4.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

34.4.3.3.9.5 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

34.4.3.3.9.6 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1276
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1276

34.4.3.3.9.6.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

34.4.3.3.9.6.2 ProprietaryIdentification <PrtryId>

Presence: [1..1]

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

ProprietaryIdentification <PrtryId> contains the following elements (see "[GenericIdentification1](#)" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

34.4.3.3.9.7 BalanceBefore <BalBfr>

Presence: [0..1]

Definition: Balance of the account before the transfer.

BalanceBefore <BalBfr> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1277
	Sign <Sgn>	[0..1]	Indicator		1277
	Date <Dt>	[0..1]	Date		1277
	Label <Labl>	[0..1]	Text		1277

34.4.3.3.9.7.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

34.4.3.3.9.7.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

34.4.3.3.9.7.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

34.4.3.3.9.7.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

34.4.3.3.9.8 BalanceAfter <BalAftr>

Presence: [0..1]

Definition: Balance of the account after the transfer.

BalanceAfter <BalAft> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1278
	Sign <Sgn>	[0..1]	Indicator		1278
	Date <Dt>	[0..1]	Date		1278
	Label <Labl>	[0..1]	Text		1278

34.4.3.3.9.8.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

34.4.3.3.9.8.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

34.4.3.3.9.8.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

34.4.3.3.9.8.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

34.4.3.3.10 ProtectedAccountFrom <PrtctdAcctFr>

Presence: [0..1]

Definition: Encryption of the source account information.

ProtectedAccountFrom <PrtctdAcctFr> contains the following elements (see
"ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

34.4.3.3.11 AccountTo <AcctTo>

Presence: [0..*]

Definition: Information about the destination account of the transfer.

AccountTo <AcctTo> contains the following **CardAccount19** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1280
	AccountName <AcctNm>	[0..1]	Text		1281
	Currency <Ccy>	[0..1]	CodeSet	C1	1281
	AccountIdentifier <AcctIdr>	[0..1]			1282
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1282
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1282
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1283
Or	DomesticAccount <DmstAcct>	[1..1]			1283
	Identification <Id>	[1..1]	Text		1283
Or	MSISDN <MSISDN>	[1..1]	Text		1283
Or}	Email <Email>	[1..1]	Text		1283
	CreditReference <CdtRef>	[0..1]	Text		1283
	Servicer <Svcr>	[0..1]			1283
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1284
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1284
	BalanceBefore <BalBfr>	[0..1]			1284
	Amount <Amt>	[1..1]	Amount	C6	1285
	Sign <Sgn>	[0..1]	Indicator		1285
	Date <Dt>	[0..1]	Date		1285
	Label <Lbl>	[0..1]	Text		1285
	BalanceAfter <BalAfr>	[0..1]			1285
	Amount <Amt>	[1..1]	Amount	C6	1286
	Sign <Sgn>	[0..1]	Indicator		1286
	Date <Dt>	[0..1]	Date		1286
	Label <Lbl>	[0..1]	Text		1286

34.4.3.3.11.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

CodeName	Name	Definition
CTDP	CertificateOfDeposit	Certificate of deposit saving account.

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

34.4.3.3.11.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

34.4.3.3.11.3 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

• ActiveCurrency

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

34.4.3.3.11.4 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1282
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1282
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1283
Or	DomesticAccount <DmstAcct>	[1..1]			1283
	Identification <Id>	[1..1]	Text		1283
Or	MSISDN <MSISDN>	[1..1]	Text		1283
Or}	Email <Email>	[1..1]	Text		1283

34.4.3.3.11.4.1 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 1479

Constraints

• IBAN

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

34.4.3.3.11.4.2 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 1479

34.4.3.3.11.4.3 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: "UPIIdentifier" on page 1480

34.4.3.3.11.4.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1283

34.4.3.3.11.4.4.1 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 1483

34.4.3.3.11.4.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

34.4.3.3.11.4.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

34.4.3.3.11.5 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

34.4.3.3.11.6 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1284
Or}	ProprietaryIdentification <Prtryld>	[1..1]	±		1284

34.4.3.3.11.6.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

34.4.3.3.11.6.2 ProprietaryIdentification <Prtryld>

Presence: [1..1]

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

ProprietaryIdentification <Prtryld> contains the following elements (see "GenericIdentification1" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

34.4.3.3.11.7 BalanceBefore <BalBfr>

Presence: [0..1]

Definition: Balance of the account before the transfer.

BalanceBefore <BalBfr> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1285
	Sign <Sgn>	[0..1]	Indicator		1285
	Date <Dt>	[0..1]	Date		1285
	Label <Labl>	[0..1]	Text		1285

34.4.3.3.11.7.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

34.4.3.3.11.7.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

34.4.3.3.11.7.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

34.4.3.3.11.7.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

34.4.3.3.11.8 BalanceAfter <BalAft>

Presence: [0..1]

Definition: Balance of the account after the transfer.

BalanceAfter <BalAfr> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1286
	Sign <Sgn>	[0..1]	Indicator		1286
	Date <Dt>	[0..1]	Date		1286
	Label <Labl>	[0..1]	Text		1286

34.4.3.3.11.8.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

34.4.3.3.11.8.2 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 1480):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

34.4.3.3.11.8.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: "ISODate" on page 1478

34.4.3.3.11.8.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: "Max70Text" on page 1485

34.4.3.3.12 ProtectedAccountTo <PrtctdAcctTo>

Presence: [0..1]

Definition: Encryption of the destination account information.

ProtectedAccountTo <PrtctdAcctTo> contains the following elements (see "[ContentInformationType10](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

34.4.3.3.13 TotalAuthorisedAmount <TtlAuthrsdAmt>

Presence: [1..1]

Definition: Total authorised amount.

TotalAuthorisedAmount <TtlAuthrsdAmt> contains the following elements (see "[AmountAndCurrency1](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

34.4.3.3.14 TotalRequestedAmount <TtlReqdAmt>

Presence: [0..1]

Definition: Total requested amount.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1431

34.4.3.3.15 DetailedRequestedAmount <DtldReqdAmt>

Presence: [0..1]

Definition: Details of the transfer transaction amounts.

DetailedRequestedAmount <DtldReqdAmt> contains the following **DetailedAmount17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToTransfer <AmtToTrf>	[1..1]	Amount		1288
	Currency <Ccy>	[0..1]	CodeSet	C1	1288
	Fees <Fees>	[0..*]			1288
	Amount <Amt>	[1..1]	Amount		1289
	Currency <Ccy>	[0..1]	CodeSet	C1	1289
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1289
	Label <Labl>	[0..1]	Text		1289
	Donation <Dontr>	[0..*]			1289
	Amount <Amt>	[1..1]	Amount		1290
	Currency <Ccy>	[0..1]	CodeSet	C1	1290
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1290
	Label <Labl>	[0..1]	Text		1290

34.4.3.3.15.1 AmountToTransfer <AmtToTrf>

Presence: [1..1]

Definition: Amount to be transferred from the source account to the destination account.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.15.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to be transferred.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.15.3 Fees <Fees>

Presence: [0..*]

Definition: Transfer fees, accepted by the customer.

Fees <Fees> contains the following **DetailedAmount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1289
	Currency <Ccy>	[0..1]	CodeSet	C1	1289
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1289
	Label <Labl>	[0..1]	Text		1289

34.4.3.3.15.3.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.15.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.15.3.3 ChargeAccountTo <ChrgAcctTo>

Presence: [0..1]

Definition: True if amount charged to the source account.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

34.4.3.3.15.3.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max70Text" on page 1485

34.4.3.3.15.4 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following **DetailedAmount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1290
	Currency <Ccy>	[0..1]	CodeSet	C1	1290
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1290
	Label <Labl>	[0..1]	Text		1290

34.4.3.3.15.4.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.15.4.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.15.4.3 ChargeAccountTo <ChrgAcctTo>

Presence: [0..1]

Definition: True if amount charged to the source account.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

34.4.3.3.15.4.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max70Text" on page 1485

34.4.3.3.16 AdditionalCharge <AddtlChrg>

Presence: [0..*]

Definition: Additional charge (for instance tax or fee).

AdditionalCharge <AddtlChrg> contains the following **DetailedAmount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1291
	Currency <Ccy>	[0..1]	CodeSet	C1	1291
	ChargeAccountTo <ChrgAcctTo>	[0..1]	Indicator		1291
	Label <Labl>	[0..1]	Text		1291

34.4.3.3.16.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.16.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.16.3 ChargeAccountTo <ChrgAcctTo>

Presence: [0..1]

Definition: True if amount charged to the source account.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

34.4.3.3.16.4 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max70Text" on page 1485

34.4.3.3.17 Limits <Lmts>

Presence: [0..1]

Definition: Limit of amounts for the customer.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1292
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1292
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1292
	AdditionalAmount <AddtlAmt>	[0..*]			1292
	Type <Tp>	[1..1]	Text		1293
	Amount <Amt>	[1..1]	Amount		1293
	Currency <Ccy>	[0..1]	CodeSet	C1	1293
	Label <Labl>	[0..1]	Text		1293

34.4.3.3.17.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.17.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.17.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.17.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1293
	Amount <Amt>	[1..1]	Amount		1293
	Currency <Ccy>	[0..1]	CodeSet	C1	1293
	Label <Labl>	[0..1]	Text		1293

34.4.3.3.17.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

34.4.3.3.17.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.17.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.17.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

34.4.3.3.18 RequestedExecutionDate <ReqdExctnDt>

Presence: [0..1]

Definition: Requested date of the execution of the transfer.

Datatype: "ISODate" on page 1478

34.4.3.3.19 ProposedExecutionDate <PropsdExctnDt>

Presence: [0..1]

Definition: Proposed date of the execution of the transfer.

Datatype: "ISODate" on page 1478

34.4.3.3.20 InstantTransferProgram <InstntTrfPrgm>

Presence: [0..1]

Definition: Identifies the instant transfer program.

Datatype: "Max35Text" on page 1483

34.4.3.3.21 RecurringTransfer <RcrngTrf>

Presence: [0..1]

Definition: Information for recurring transfer or standing orders.

RecurringTransfer <RcrngTrf> contains the following **RecurringTransaction3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	StartDate <StartDt>	[1..1]	Date		1294
	NumberOfOccurrences <NbOfOcrncs>	[0..1]	Quantity		1294
	EndDate <EndDt>	[1..1]	Date		1294
	PeriodUnit <PrdUnit>	[0..1]	CodeSet		1294
	IntervalDay <IntrvlDay>	[0..1]	Quantity		1295

34.4.3.3.21.1 StartDate <StartDt>

Presence: [1..1]

Definition: Date of first transfer.

Datatype: "ISODate" on page 1478

34.4.3.3.21.2 NumberOfOccurrences <NbOfOcrncs>

Presence: [0..1]

Definition: Number of transfers to perform.

Datatype: "Number" on page 1480

34.4.3.3.21.3 EndDate <EndDt>

Presence: [1..1]

Definition: Date of last transfer.

Datatype: "ISODate" on page 1478

34.4.3.3.21.4 PeriodUnit <PrdUnit>

Presence: [0..1]

Definition: Period of the recurring transfer.

Datatype: "Frequency3Code" on page 1464

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.

34.4.3.3.21.5 IntervalDay <IntrvlDay>

Presence: [0..1]

Definition: Day of the period when the transfer will be performed.

Datatype: "Number" on page 1480

34.4.3.3.22 AuthorisationResult <AuthstnRslt>

Presence: [0..1]

Definition: Outcome of the transfer authorisation.

AuthorisationResult <AuthstnRslt> contains the following **AuthorisationResult20** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AuthorisationEntity <AuthstnNtty>	[0..1]	CodeSet		1296
	AuthorisationResponse <AuthstnRspn>	[1..1]	±		1297
	ResponseTrace <RspnTrac>	[0..*]			1297
	ResponderIdentification <RspndrId>	[1..1]	Text		1297
	Codification <Cdfctn>	[0..1]	Text		1297
	Response <Rspn>	[1..1]	Text		1298
	ResponseReason <RspnRsn>	[0..1]	Text		1298
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1298
	AuthorisationCode <AuthstnCd>	[0..1]	Text		1298
	Action <Actn>	[0..*]			1298
	ActionType <ActnTp>	[1..1]	CodeSet		1298
	MessageToPresent <MsgToPres>	[0..1]			1299
	Format <Frmt>	[0..1]	CodeSet		1299
	Message <Msg>	[0..1]	Text		1300
	Reference <Ref>	[0..1]	Text		1300
	Device <Dvc>	[0..1]	CodeSet		1300
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1300
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1300
	FeeToAdd <FeeToAdd>	[0..*]			1302
	Amount <Amt>	[1..1]	Amount		1302
	Currency <Ccy>	[0..1]	CodeSet	C1	1302
	FeeLabel <FeeLbl>	[0..1]	Text		1303

34.4.3.3.22.1 AuthorisationEntity <AuthstnNtty>

Presence: [0..1]

Definition: Type of party that has delivered or declined the card payment authorisation (the party is not identified).

Datatype: "PartyType16Code" on page 1470

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	DelegatIssuer	Party to whom the card issuer delegates to authorise card payment transactions.

CodeName	Name	Definition
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

34.4.3.3.22.2 AuthorisationResponse <AuthstnRspn>

Presence: [1..1]

Definition: Result of the authorisation.

AuthorisationResponse <AuthstnRspn> contains the following elements (see ["ResponseType12"](#) on page 1384 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

34.4.3.3.22.3 ResponseTrace <RspnTrac>

Presence: [0..*]

Definition: Trace of response by the entities in the path from the issuer to the ATM.

ResponseTrace <RspnTrac> contains the following **ResponseType8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ResponderIdentification <RspndrId>	[1..1]	Text		1297
	Codification <Cdfctn>	[0..1]	Text		1297
	Response <Rspn>	[1..1]	Text		1298
	ResponseReason <RspnRsn>	[0..1]	Text		1298
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1298

34.4.3.3.22.3.1 ResponderIdentification <RspndrId>

Presence: [1..1]

Definition: Identification of the responder.

Datatype: ["Max35Text"](#) on page 1483

34.4.3.3.22.3.2 Codification <Cdfctn>

Presence: [0..1]

Definition: Codification of the response (for instance ISO 8583, IFX).

Datatype: "Max35Text" on page 1483

34.4.3.3.22.3.3 Response <Rspn>

Presence: [1..1]

Definition: Result of the request.

Datatype: "Max35Text" on page 1483

34.4.3.3.22.3.4 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "Max35Text" on page 1483

34.4.3.3.22.3.5 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max35Text" on page 1483

34.4.3.3.22.4 AuthorisationCode <AuthstnCd>

Presence: [0..1]

Definition: Value assigned by the authorising party.

Datatype: "Max8Text" on page 1485

34.4.3.3.22.5 Action <Actn>

Presence: [0..*]

Definition: Sequence of actions to be performed by the ATM to complete the transaction.

Action <Actn> contains the following **Action7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ActionType <ActnTp>	[1..1]	CodeSet		1298
	MessageToPresent <MsgToPres>	[0..1]			1299
	Format <Frmt>	[0..1]	CodeSet		1299
	Message <Msg>	[0..1]	Text		1300
	Reference <Ref>	[0..1]	Text		1300
	Device <Dvc>	[0..1]	CodeSet		1300
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1300
	RequestToPerform <ReqToPrfrm>	[0..1]	CodeSet		1300

34.4.3.3.22.5.1 ActionType <ActnTp>

Presence: [1..1]

Definition: Type of action to be performed by the card acceptor.

Datatype: "ActionType6Code" on page 1434

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

34.4.3.3.22.5.2 MessageToPresent <MsgToPres>

Presence: [0..1]

Definition: Information to display, print or log.

MessageToPresent <MsgToPres> contains the following **ActionMessage4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Format <Frmt>	[0..1]	CodeSet		1299
	Message <Msg>	[0..1]	Text		1300
	Reference <Ref>	[0..1]	Text		1300
	Device <Dvc>	[0..1]	CodeSet		1300
	MessageContentSignature <MsgCnttSgntr>	[0..1]	Binary		1300

34.4.3.3.22.5.2.1 Format <Frmt>

Presence: [0..1]

Definition: Information format.

Datatype: "OutputFormat2Code" on page 1469

CodeName	Name	Definition
MREF	MessageReference	Predefined configured messages, identified by a reference.

CodeName	Name	Definition
SREF	ScreenReference	Screen to display identified by a reference.
TEXT	SimpleText	Text without format attributes.
HTML	XHTML	XHTML document which includes a subset of the XHTML output tag.

34.4.3.3.22.5.2.2 Message <Msg>

Presence: [0..1]

Definition: Content of the message.

Datatype: "Max20000Text" on page 1482

34.4.3.3.22.5.2.3 Reference <Ref>

Presence: [0..1]

Definition: Message content if this is a message reference or screen reference.

Datatype: "Max35Text" on page 1483

34.4.3.3.22.5.2.4 Device <Dvc>

Presence: [0..1]

Definition: Device to be used.

Datatype: "ATMDevice1Code" on page 1443

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

34.4.3.3.22.5.2.5 MessageContentSignature <MsgCnttSgntr>

Presence: [0..1]

Definition: Electronic signature of the message to display or print.

Datatype: "Max35Binary" on page 1433

34.4.3.3.22.5.3 RequestToPerform <ReqToPrfrm>

Presence: [0..1]

Definition: Message to send before the completion of the transaction.

Datatype: "MessageFunction11Code" on page 1466

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

CodeName	Name	Definition
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

34.4.3.3.22.6 FeeToAdd <FeeToAdd>

Presence: [0..*]

Definition: Set of fees amount.

FeeToAdd <FeeToAdd> contains the following **ATMFeeComponent1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1302
	Currency <Ccy>	[0..1]	CodeSet	C1	1302
	FeeLabel <FeeLab/>	[0..1]	Text		1303

34.4.3.3.22.6.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.22.6.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

34.4.3.3.22.6.3 FeeLabel <FeeLabel>

Presence: [0..1]

Definition: Label of fee amount.

Datatype: "Max70Text" on page 1485

34.4.3.3.23 ICCRelatedData <ICCRltdData>

Presence: [0..1]

Definition: Sequence of one or more TLV data elements from the ATM application, in accordance with ISO 7816-6, not in a specific order. Present if the transaction is performed with an EMV chip card application.

Datatype: "Max10000Binary" on page 1432

34.4.3.3.24 Command <Cmd>

Presence: [0..*]

Definition: Maintenance command to perform on the ATM.

Command <Cmd> contains the following **ATMCommand7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1303
	Urgency <Urgcy>	[1..1]	CodeSet		1304
	DateTime <DtTm>	[0..1]	DateTime		1304
	CommandIdentification <CmdId>	[0..1]	±		1304
	CommandParameters <CmdParams>	[0..1]	±		1304

34.4.3.3.24.1 Type <Tp>

Presence: [1..1]

Definition: Type of command to be performed by the ATM.

Datatype: "ATMCommand4Code" on page 1440

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.

CodeName	Name	Definition
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

34.4.3.3.24.2 Urgency <Urgcy>

Presence: [1..1]

Definition: Urgency of the command.

Datatype: "TMSContactLevel2Code" on page 1476

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

34.4.3.3.24.3 DateTime <DtTm>

Presence: [0..1]

Definition: Date time on which the command must be performed.

Datatype: "ISODatetime" on page 1478

34.4.3.3.24.4 CommandIdentification <CmdId>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

CommandIdentification <CmdId> contains the following elements (see "ATMCommandIdentification1" on page 1375 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

34.4.3.3.24.5 CommandParameters <CmdParams>

Presence: [0..1]

Definition: Specific parameters attached to the command.

CommandParameters <CmdParams> contains one of the following elements (see "ATMCommandParameters1Choice" on page 1342 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

34.4.3.3.25 AccountInformation <AcctInf>

Presence: [0..*]

Definition: Account information associated to the customer.

AccountInformation <AcctInf> contains the following **CardAccount18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountType <AcctTp>	[0..1]	CodeSet		1307
	AccountName <AcctNm>	[0..1]	Text		1308
	AccountUsageCode <AcctUsgCd>	[0..1]	CodeSet		1308
	Currency <Ccy>	[0..1]	CodeSet	C1	1308
	AccountIdentifier <AcctIdr>	[0..1]			1308
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1309
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1309
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1309
Or	DomesticAccount <DmstAcct>	[1..1]			1309
	Identification <Id>	[1..1]	Text		1310
Or	MSISDN <MSISDN>	[1..1]	Text		1310
Or}	Email <Email>	[1..1]	Text		1310
	CreditReference <CdtRef>	[0..1]	Text		1310
	Servicer <Svcr>	[0..1]			1310
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1311
	Balance <Bal>	[0..*]			1311
	Amount <Amt>	[1..1]	Amount	C6	1311
	Sign <Sgn>	[0..1]	Indicator		1312
	Date <Dt>	[0..1]	Date		1312
	Label <Labl>	[0..1]	Text		1312
	BalanceDisplayFlag <BalDispFlg>	[0..1]	Indicator		1312
	DefaultAccountIndicator <DfltAcctInd>	[0..1]	Indicator		1312
	AllowedService <AllwdSvc>	[0..*]			1313
	ServiceType <SvcTp>	[1..1]	CodeSet		1313
	ServiceVariant <SvcVarnt>	[0..*]			1314
	Identification <Id>	[1..1]	Text		1314
	Label <Labl>	[0..1]	Text		1314
	Limits <Lmts>	[0..*]			1314
	Currency <Ccy>	[0..1]	CodeSet	C1	1315
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1315

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1315
	AdditionalAmount <AddtlAmt>	[0..*]			1315
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Labl>	[0..1]	Text		1316

34.4.3.3.25.1 AccountType <AcctTp>

Presence: [0..1]

Definition: Type of cardholder account used for the transaction.

Datatype: "CardAccountType3Code" on page 1455

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

34.4.3.3.25.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

34.4.3.3.25.3 AccountUsageCode <AcctUsgCd>

Presence: [0..1]

Definition: Determines whether the account is a destination or a source (or both) account.

Datatype: "ATMAccountUsage1Code" on page 1439

CodeName	Name	Definition
BOTH	Both	Can be both the source and the destination account.
DSTN	Destination	Destination account.
SRCE	Source	Source account.

34.4.3.3.25.4 Currency <Ccy>

Presence: [0..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.25.5 AccountIdentifier <AcctIdr>

Presence: [0..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1309
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1309
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1309
Or	DomesticAccount <DmstAcct>	[1..1]			1309
	Identification <Id>	[1..1]	Text		1310
Or	MSISDN <MSISDN>	[1..1]	Text		1310
Or}	Email <Email>	[1..1]	Text		1310

34.4.3.3.25.5.1 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 1479

Constraints

- **IBAN**

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

34.4.3.3.25.5.2 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 1479

34.4.3.3.25.5.3 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 1480

34.4.3.3.25.5.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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		1310

34.4.3.3.25.5.4.1 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 1483

34.4.3.3.25.5.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

34.4.3.3.25.5.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

34.4.3.3.25.6 CreditReference <CdtRef>

Presence: [0..1]

Definition: Internal account reference in case of credit account.

Datatype: "Max35Text" on page 1483

34.4.3.3.25.7 Servicer <Svcr>

Presence: [0..1]

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

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	AnyBIC <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	ProprietaryIdentification <PrtryId>	[1..1]	±		1311

34.4.3.3.25.7.1 AnyBIC <AnyBIC>

Presence: [1..1]

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

Impacted by: C2 "AnyBIC"

Datatype: "AnyBICDec2014Identifier" on page 1479

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.

34.4.3.3.25.7.2 ProprietaryIdentification <Prtryld>

Presence: [1..1]

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

ProprietaryIdentification <Prtryld> contains the following elements (see "GenericIdentification1" on page 1383 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

34.4.3.3.25.8 Balance <Bal>

Presence: [0..*]

Definition: Balance of the account.

Balance <Bal> contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount	C6	1311
	Sign <Sgn>	[0..1]	Indicator		1312
	Date <Dt>	[0..1]	Date		1312
	Label <Labl>	[0..1]	Text		1312

34.4.3.3.25.8.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Impacted by: C6 "ValidationByTable"

Datatype: "CurrencyAndAmount" on page 1431

Constraints

- **ValidationByTable**

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

34.4.3.3.25.8.2 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 1480](#)):

- *Meaning When True:* Plus
- *Meaning When False:* Minus

34.4.3.3.25.8.3 Date <Dt>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance. Date of the amount.

Datatype: ["ISODate" on page 1478](#)

34.4.3.3.25.8.4 Label <Labl>

Presence: [0..1]

Definition: Description of the balance amount that may be provided to the customer (for example 'Available', 'Ledger'). If this element is not included in a Balance <Bal> it is assumed the balance is a 'ledger' balance.

Datatype: ["Max70Text" on page 1485](#)

34.4.3.3.25.9 BalanceDisplayFlag <BalDispFlg>

Presence: [0..1]

Definition: Indicates if the balance must be displayed to the customer on the ATM.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

34.4.3.3.25.10 DefaultAccountIndicator <DfltAcctInd>

Presence: [0..1]

Definition: Indicates if this is the default account.

Usage: When absent, default value is False.

Datatype: One of the following values must be used (see ["TrueFalseIndicator" on page 1480](#)):

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

34.4.3.3.25.11 AllowedService <AllwdSvc>

Presence: [0..*]

Definition: Service allowed on the account.

AllowedService <AllwdSvc> contains the following **ATMService29** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ServiceType <SvcTp>	[1..1]	CodeSet		1313
	ServiceVariant <SvcVarnt>	[0..*]			1314
	Identification <Id>	[1..1]	Text		1314
	Label <Labl>	[0..1]	Text		1314
	Limits <Lmts>	[0..*]			1314
	Currency <Ccy>	[0..1]	CodeSet	C1	1315
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1315
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1315
	AdditionalAmount <AddtlAmt>	[0..*]			1315
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Labl>	[0..1]	Text		1316

34.4.3.3.25.11.1 ServiceType <SvcTp>

Presence: [1..1]

Definition: Describes the type of inquiry selected by the customer or the ATM.

Datatype: "ATMServiceType13Code" on page 1450

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
PINC	PINChange	Modification of the card PIN value.
STDR	StandardWithdrawal	Standard withdrawal of items.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be

CodeName	Name	Definition
		absent from the withdrawal request message.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
TRFP	Payment	Funds transfer to pay a third party.

34.4.3.3.25.11.2 ServiceVariant <SvcVarnt>

Presence: [0..*]

Definition: Variant of the service.

ServiceVariant <SvcVarnt> contains the following **ATMService18** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1314
	Label <Labl>	[0..1]	Text		1314

34.4.3.3.25.11.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the service variant.

Datatype: "Max35Text" on page 1483

34.4.3.3.25.11.2.2 Label <Labl>

Presence: [0..1]

Definition: Label of the service variant.

Datatype: "Max35Text" on page 1483

34.4.3.3.25.11.3 Limits <Lmts>

Presence: [0..*]

Definition: Limits of amounts.

Limits <Lmts> contains the following **ATMTransactionAmounts6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Currency <Ccy>	[0..1]	CodeSet	C1	1315
	MaximumPossibleAmount <MaxPssblAmt>	[0..1]	Amount		1315
	MinimumPossibleAmount <MinPssblAmt>	[0..1]	Amount		1315
	AdditionalAmount <AddtlAmt>	[0..*]			1315
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Labl>	[0..1]	Text		1316

34.4.3.3.25.11.3.1 Currency <Ccy>

Presence: [0..1]

Definition: Default currency of the limits.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.25.11.3.2 MaximumPossibleAmount <MaxPssblAmt>

Presence: [0..1]

Definition: Maximum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.25.11.3.3 MinimumPossibleAmount <MinPssblAmt>

Presence: [0..1]

Definition: Minimum amount allowed for a transaction in the service.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.25.11.3.4 AdditionalAmount <AddtlAmt>

Presence: [0..*]

Definition: Additional amount that may be displayed to the customer, for instance the daily limit or the daily balance for the service.

AdditionalAmount <AddtlAmt> contains the following **ATMTransactionAmounts7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	Text		1316
	Amount <Amt>	[1..1]	Amount		1316
	Currency <Ccy>	[0..1]	CodeSet	C1	1316
	Label <Labl>	[0..1]	Text		1316

34.4.3.3.25.11.3.4.1 Type <Tp>

Presence: [1..1]

Definition: Type of amount.

Datatype: "Max35Text" on page 1483

34.4.3.3.25.11.3.4.2 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

34.4.3.3.25.11.3.4.3 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

34.4.3.3.25.11.3.4.4 Label <Labl>

Presence: [0..1]

Definition: Description of the amount that may be provided to the customer.

Datatype: "Max70Text" on page 1485

34.4.4 SecurityTrailer <SctyTrlr>

Presence: [0..1]

Definition: Trailer of the message containing a MAC.

SecurityTrailer <SctyTrlr> contains the following **ContentInformationType15** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1317
	AuthenticatedData <AuthntcdData>	[1..1]	±		1317

34.4.4.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

34.4.4.2 AuthenticatedData <AuthntcdData>

Presence: [1..1]

Definition: Data protection by a message authentication code (MAC).

AuthenticatedData <AuthntcdData> contains the following elements (see "AuthenticatedData4" on page 1407 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

35 Message Items Types

35.1 MessageComponents

35.1.1 Acquirer

35.1.1.1 KEKIdentifier2

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		1318
	KeyVersion <KeyVrsn>	[1..1]	Text		1318
	SequenceNumber <SeqNb>	[0..1]	Quantity		1318
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1318

35.1.1.1.1 KeyIdentification <KeyId>

Presence: [1..1]

Definition: Identification of the cryptographic key.

Datatype: "Max140Text" on page 1482

35.1.1.1.2 KeyVersion <KeyVrsn>

Presence: [1..1]

Definition: Version of the cryptographic key.

Datatype: "Max140Text" on page 1482

35.1.1.1.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: Number of usages of the cryptographic key.

Datatype: "Number" on page 1480

35.1.1.1.4 DerivationIdentification <DerivtnId>

Presence: [0..1]

Definition: Identification used for derivation of a unique key from a master key provided for the data protection.

Datatype: "Min5Max16Binary" on page 1433

35.1.1.2 Acquirer8

Definition: Institution in charge of managing the ATM.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1319
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1319

35.1.1.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.1.2.2 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Software version of the application.

Datatype: "Max35Text" on page 1483

35.1.1.3 Acquirer7

Definition: Acquirer of the withdrawal transaction, in charge of the funds settlement with the issuer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <Acqrglnstn>	[0..1]	Text		1319
	Branch <Brnch>	[0..1]	Text		1319

35.1.1.3.1 AcquiringInstitution <Acqrglnstn>

Presence: [0..1]

Definition: Identification of the acquirer.

Datatype: "Max35Text" on page 1483

35.1.1.3.2 Branch <Brnch>

Presence: [0..1]

Definition: Identification of the acquirer branch.

Datatype: "Max35Text" on page 1483

35.1.2 Amount

35.1.2.1 DetailedAmount12

Definition: Amounts of the withdrawal transaction.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1320
	Currency <Ccy>	[0..1]	CodeSet	C1	1320
	Fees <Fees>	[0..*]	±		1320
	Donation <Dontn>	[0..*]	±		1320

35.1.2.1.1 AmountToDispense <AmtToDspns>

Presence: [1..1]

Definition: Amount to be dispensed by the ATM after the approval of the withdrawal transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.2.1.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount to dispense when different from the base currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.2.1.3 Fees <Fees>

Presence: [0..*]

Definition: Withdrawal fees, accepted by the customer.

Fees <Fees> contains the following elements (see "DetailedAmount13" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

35.1.2.1.4 Donation <Dontn>

Presence: [0..*]

Definition: Amount of the donation.

Donation <Dontn> contains the following elements (see "[DetailedAmount13](#)" on page 1321 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

35.1.2.2 AmountAndCurrency1

Definition: Amount to be authorised by the issuer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1321
	Currency <Ccy>	[0..1]	CodeSet	C1	1321

35.1.2.2.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "[ImpliedCurrencyAndAmount](#)" on page 1431

35.1.2.2.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

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

Datatype: "[ActiveCurrencyCode](#)" on page 1435

Constraints

- ActiveCurrency**

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

35.1.2.3 DetailedAmount13

Definition: Withdrawal fees, accepted by the customer.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1322
	Label <Labl>	[0..1]	Text		1322

35.1.2.3.1 Amount <Amt>

Presence: [1..1]

Definition: Amount value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.2.3.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.2.3.3 Label <Labl>

Presence: [0..1]

Definition: Short description of the amount to display or print.

Datatype: "Max70Text" on page 1485

35.1.3 ATM

35.1.3.1 ATMTotals4

Definition: Current totals of the ATM.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1322
	Currency <Ccy>	[0..1]	CodeSet	C1	1323
	ATMBalance <ATMBal>	[0..1]	Amount		1323
	ATMCurrent <ATMCur>	[0..1]	Amount		1323
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1323
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1324

35.1.3.1.1 MediaType <MdiaTp>

Presence: [0..1]

Definition: Type of media inside the cassette.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

35.1.3.1.2 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the totals.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.3.1.3 ATMBalance <ATMBal>

Presence: [0..1]

Definition: Total balance of the ATM including reject cassette, but excluding the retract cassette.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.3.1.4 ATMCurrent <ATMCur>

Presence: [0..1]

Definition: Available amount for dispense in the ATM.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.3.1.5 ATMBalanceNumber <ATMBalNb>

Presence: [0..1]

Definition: Total number of units for non-valued media, including reject cassette.

Datatype: "Number" on page 1480

35.1.3.1.6 ATMCurentNumber <ATMCurNb>

Presence: [0..1]

Definition: Total number of units for non-valued media, excluding reject cassette.

Datatype: "Number" on page 1480

35.1.3.2 ATMSecurityConfiguration1

Definition: Configuration parameters in use by the security device.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1324
	Encryption <Ncrptn>	[0..1]	±		1324
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1325
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1326
	DigitalSignature <DgtlSgntr>	[0..1]	±		1326
	PIN <PIN>	[0..1]	±		1327
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1327

35.1.3.2.1 Keys <Keys>

Presence: [0..1]

Definition: Configuration of the cryptographic keys.

Keys <Keys> contains the following elements (see "ATMSecurityConfiguration2" on page 1351 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumSymmetricKey <MaxSmmtrcKey>	[0..1]	Quantity		1351
	MaximumAsymmetricKey <MaxAsmmtrcKey>	[0..1]	Quantity		1351
	MaximumRSAKeyLength <MaxRSAKeyLngth>	[0..1]	Quantity		1351
	MaximumRootKeyLength <MaxRootKeyLngth>	[0..1]	Quantity		1351

35.1.3.2.2 Encryption <Ncrptn>

Presence: [0..1]

Definition: Configuration of the encryption or digital envelope, if the security module is able to perform encryption.

Encryption <Ncrptn> contains the following elements (see "ATMSecurityConfiguration3" on page 1327 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AsymmetricEncryption <AsmmtrcNcrptn>	[0..1]	Indicator		1328
	AsymmetricKeyStandardIdentification <AsmmtrcKeyStdId>	[0..1]	Indicator		1328
	AsymmetricEncryptionAlgorithm <AsmmtrcNcrptnAlgo>	[0..*]	CodeSet		1328
	SymmetricTransportKey <SmmtrcTrnsprtKey>	[0..1]	Indicator		1328
	SymmetricTransportKeyAlgorithm <SmmtrcTrnsprtKeyAlgo>	[0..*]	CodeSet		1328
	SymmetricEncryptionAlgorithm <SmmtrcNcrptnAlgo>	[0..*]	CodeSet		1329
	EncryptionFormat <NcrptnFrmt>	[0..*]	CodeSet		1330

35.1.3.2.3 MACAlgorithm <MACAlgo>

Presence: [0..*]

Definition: MAC (Message Authentication Code) algorithm the security module is able to manage.

Datatype: "Algorithm12Code" on page 1436

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

CodeName	Name	Definition
		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.

35.1.3.2.4 DigestAlgorithm <DgstAlgo>

Presence: [0..*]

Definition: Digest algorithm the security module is able to manage.

Datatype: "Algorithm11Code" on page 1435

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).

35.1.3.2.5 DigitalSignature <DgtlSgntr>

Presence: [0..1]

Definition: Configuration of the digital signatures if the security module is able to perform digital signatures with an asymmetric key.

DigitalSignature <DgtlSgntr> contains the following elements (see "ATMSecurityConfiguration4" on page 1370 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumCertificates <MaxCerts>	[0..1]	Quantity		1370
	MaximumSignatures <MaxSgntrs>	[0..1]	Quantity		1370
	DigitalSignatureAlgorithm <DgtlSgntrAlgo>	[0..*]	CodeSet		1370

35.1.3.2.6 PIN <PIN>

Presence: [0..1]

Definition: Configuration of the PIN online verification.

PIN <PIN> contains the following elements (see "ATMSecurityConfiguration5" on page 1353 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PINFormat <PINFmt>	[0..*]	CodeSet		1353
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1354

35.1.3.2.7 MessageProtection <MsgPrtcn>

Presence: [0..*]

Definition: Mechanism used to protect the message of the ATM protocol.

Datatype: "MessageProtection1Code" on page 1468

CodeName	Name	Definition
EVLP	EnvelopedMessage	Messages contain an encrypted body and a MAC or a digital signature computed on the complete message (header plus body after encryption).
MACB	MACBody	Messages contain a MAC or a digital signature computed on the body only.
MACM	MACMessage	Messages contain a MAC or a digital signature computed on the complete message (header plus body).
UNPR	NoProtection	Messages are not protected, no encryption and no MAC or digital signature.

35.1.3.3 ATMSecurityConfiguration3

Definition: Configuration of the encryption or digital envelope, if the security module is able to perform encryption.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AsymmetricEncryption <AsmmtrcNcrptn>	[0..1]	Indicator		1328
	AsymmetricKeyStandardIdentification <AsmmtrcKeyStdId>	[0..1]	Indicator		1328
	AsymmetricEncryptionAlgorithm <AsmmtrcNcrptnAlgo>	[0..*]	CodeSet		1328
	SymmetricTransportKey <SmmtrcTrnsprtKey>	[0..1]	Indicator		1328
	SymmetricTransportKeyAlgorithm <SmmtrcTrnsprtKeyAlgo>	[0..*]	CodeSet		1328
	SymmetricEncryptionAlgorithm <SmmtrcNcrptnAlgo>	[0..*]	CodeSet		1329
	EncryptionFormat <NcrptnFmt>	[0..*]	CodeSet		1330

35.1.3.3.1 AsymmetricEncryption <AsmmtrcNcrptn>

Presence: [0..1]

Definition: True if the security module is able to perform encryption with an asymmetric key.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

35.1.3.3.2 AsymmetricKeyStandardIdentification <AsmmtrcKeyStdId>

Presence: [0..1]

Definition: True if the security module is able to identify an asymmetric key with certificate issuer X.500 name and certificate serial number. False if a proprietary asymmetric key identifier is required.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

35.1.3.3.3 AsymmetricEncryptionAlgorithm <AsmmtrcNcrptnAlgo>

Presence: [0..*]

Definition: Asymmetric encryption algorithm the security module is able to manage.

Datatype: ["Algorithm7Code"](#) on page 1439

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSOA	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

35.1.3.3.4 SymmetricTransportKey <SmmtrcTrnsprtKey>

Presence: [0..1]

Definition: True if the security module is able to manage a symmetric transport session key to protect cryptographic keys and data. False if only a previously exchanged symmetric key must be used; a proprietary symmetric key identifier is then used.

Datatype: One of the following values must be used (see ["TrueFalseIndicator"](#) on page 1480):

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

35.1.3.3.5 SymmetricTransportKeyAlgorithm <SmmtrcTrnsprtKeyAlgo>

Presence: [0..*]

Definition: Symmetric transport session key algorithm the security module is able to manage.

Datatype: ["Algorithm13Code"](#) on page 1437

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).
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).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

35.1.3.3.6 SymmetricEncryptionAlgorithm <SmmtrcNcrptnAlgo>

Presence: [0..*]

Definition: Symmetric encryption algorithm the security module is able to manage.

Datatype: ["Algorithm15Code" on page 1438](#)

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).

CodeName	Name	Definition
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).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

35.1.3.3.7 EncryptionFormat <NcrptnFrmt>

Presence: [0..*]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat1Code" on page 1461

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.

35.1.3.4 ATMTotals3

Definition: Totals of the ATM.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1330
	AdditionalIdentification <AddtlId>	[0..1]	Text		1331
	Period <Prd>	[1..1]	CodeSet		1331
	Currency <Ccy>	[0..1]	CodeSet	C1	1331
	Count <Cnt>	[1..1]	Quantity		1331
	Amount <Amt>	[0..1]	Amount		1331

35.1.3.4.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the type of transaction. The following values are predefined: Withdrawal, QuickWithdrawal, WithdrawalForDisabledPerson, CashDeposit, Transfer, InternationalTransfer, PeriodicTransfer, CheckCommand, MobileTopUp, Moneo.

Datatype: "Max70Text" on page 1485

35.1.3.4.2 AdditionalIdentification <AddtId>

Presence: [0..1]

Definition: Additional identification of the type of transaction. The following values are predefined: Vodaphone, TMobile, Verizon.

Datatype: "Max70Text" on page 1485

35.1.3.4.3 Period <Prd>

Presence: [1..1]

Definition: Period of computation for the counters.

Datatype: "ATMCounterType2Code" on page 1442

CodeName	Name	Definition
BDAY	BusinessDay	Counters since the beginning of the business day.
INQU	CountersInquiry	Counters since the last counters inquiry.
CTOF	CutOff	Counters since the last cut-off.
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.

35.1.3.4.4 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the totals.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.3.4.5 Count <Cnt>

Presence: [1..1]

Definition: Number of transaction with the defined currency.

Datatype: "Number" on page 1480

35.1.3.4.6 Amount <Amt>

Presence: [0..1]

Definition: Amount of transaction with the defined currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.3.5 AutomatedTellerMachine8

Definition: ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1334
	AdditionalIdentification <AddtlId>	[0..1]	Text		1334
	SequenceNumber <SeqNb>	[0..1]	Text		1334
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1334
	Location <Lctn>	[0..1]			1334
	AddressLine <AdrLine>	[0..2]	Text		1335
	StreetName <StrtNm>	[0..1]	Text		1335
	BuildingNumber <BldgNb>	[0..1]	Text		1335
	PostCode <PstCd>	[0..1]	Text		1335
	TownName <TwnNm>	[1..1]	Text		1336
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1336
	Country <Ctry>	[1..1]	CodeSet	C1	1336
	GeoLocation <GLctn>	[0..1]			1336
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1336
	Latitude <Lat>	[1..1]	Text		1337
	Longitude <Long>	[1..1]	Text		1337
Or}	UTMCoordinates <UTMCordints>	[1..1]			1337
	UTMZone <UTMZone>	[1..1]	Text		1337
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1337
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1338
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1338
	Equipment <Eqpmnt>	[0..1]			1338
	Manufacturer <Manfctr>	[0..1]	Text		1338
	Model <Mdl>	[0..1]	Text		1339
	SerialNumber <SrlNb>	[0..1]	Text		1339
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1339
	ApplicationName <ApplNm>	[0..1]	Text		1339
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1339
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1339
	ConfigurationParameter <CfgrtnParam>	[0..*]			1339
	Type <Tp>	[1..1]	CodeSet		1339

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1340

35.1.3.5.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

35.1.3.5.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.3.5.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

35.1.3.5.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.3.5.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1335
	StreetName <StrtNm>	[0..1]	Text		1335
	BuildingNumber <BldgNb>	[0..1]	Text		1335
	PostCode <PstCd>	[0..1]	Text		1335
	TownName <TwnNm>	[1..1]	Text		1336
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1336
	Country <Ctry>	[1..1]	CodeSet	C1	1336
	GeoLocation <GLctn>	[0..1]			1336
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1336
	Latitude <Lat>	[1..1]	Text		1337
	Longitude <Long>	[1..1]	Text		1337
Or}	UTMCoordinates <UTMCordints>	[1..1]			1337
	UTMZone <UTMZone>	[1..1]	Text		1337
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1337
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1338

35.1.3.5.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

35.1.3.5.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

35.1.3.5.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

35.1.3.5.5.4 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 1482

35.1.3.5.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

35.1.3.5.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

35.1.3.5.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

35.1.3.5.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1336
	Latitude <Lat>	[1..1]	Text		1337
	Longitude <Long>	[1..1]	Text		1337
Or}	UTMCoordinates <UTMCordints>	[1..1]			1337
	UTMZone <UTMZone>	[1..1]	Text		1337
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1337
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1338

35.1.3.5.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1337
	Longitude <Long>	[1..1]	Text		1337

35.1.3.5.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

35.1.3.5.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

35.1.3.5.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1337
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1337
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1338

35.1.3.5.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

35.1.3.5.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

35.1.3.5.5.8.2.3 UTMNorthward <UTMNrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

35.1.3.5.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

35.1.3.5.7 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1338
	Model <Mdl>	[0..1]	Text		1339
	SerialNumber <SrlNb>	[0..1]	Text		1339
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1339
	ApplicationName <ApplNm>	[0..1]	Text		1339
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1339
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1339
	ConfigurationParameter <CfgrtnParam>	[0..*]			1339
	Type <Tp>	[1..1]	CodeSet		1339
	Version <Vrsn>	[1..1]	Text		1340

35.1.3.5.7.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

35.1.3.5.7.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1339
	Version <Vrsn>	[1..1]	Text		1340

35.1.3.5.7.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

35.1.3.5.7.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

35.1.3.6 ATMEquipment3

Definition: Hardware security module information, so called EPP for Encrypted PIN Pad.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1340
	Model <Mdl>	[0..1]	Text		1341
	Version <Vrsn>	[0..1]	Text		1341
	SerialNumber <SrlNb>	[0..1]	Text		1341
	SignedSerialNumber <SgndSrlNb>	[0..1]	±		1341
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		1341
	FirmwareIdentification <Frmwrld>	[0..1]	Text		1341
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		1341

35.1.3.6.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

35.1.3.6.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

35.1.3.6.3 Version <Vrsn>

Presence: [0..1]

Definition: Version of the device model.

Datatype: "Max35Text" on page 1483

35.1.3.6.4 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

35.1.3.6.5 SignedSerialNumber <SgndSrINb>

Presence: [0..1]

Definition: Signature of the serial number of the device. The signature may contain the serial number with the signature.

SignedSerialNumber <SgndSrINb> contains the following elements (see "ContentInformationType14" on page 1395 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1395
	SignedData <SgndData>	[1..1]	±		1396

35.1.3.6.6 FirmwareProvider <FrmwrPrvdr>

Presence: [0..1]

Definition: Provider of the firmware.

Datatype: "Max35Text" on page 1483

35.1.3.6.7 FirmwareIdentification <Frmwrld>

Presence: [0..1]

Definition: Identification of the firmware.

Datatype: "Max35Text" on page 1483

35.1.3.6.8 FirmwareVersion <FrmwrVrsn>

Presence: [0..1]

Definition: Version of the firmware.

Datatype: "Max35Text" on page 1483

35.1.3.7 ATMCommandParameters1Choice

Definition: Specific parameters attached to an ATM command.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1342
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1342
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1342
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

35.1.3.7.1 ATMRequiredGlobalStatus <ATMReqrdGblSts>

Presence: [1..1]

Definition: Required status of the ATM, parameters of the status update command.

Datatype: "ATMStatus1Code" on page 1453

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

35.1.3.7.2 ExpectedMessageFunction <XpctdMsgFctn>

Presence: [1..1]

Definition: Message to send for the send message command.

Datatype: "MessageFunction8Code" on page 1468

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resettting those that are applicable.
GSTS	ATMGlobalStatus	Global status of the ATM.
DSEC	SecurityDetails	Security detailed report.
INQC	CountersInquiry	Request the value of the ATM counters.
KEYQ	KeyExchangeRequest	Request of a key exchange.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

35.1.3.7.3 RequiredConfigurationParameter <ReqrdCfgtnParam>

Presence: [1..1]

Definition: Parameters to be used by the configuration update command.

RequiredConfigurationParameter <ReqrdCfgtnParam> contains the following
ATMConfigurationParameter1 elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1343
	Version <Vrsn>	[1..1]	Text		1343

35.1.3.7.3.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

35.1.3.7.3.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

35.1.3.8 AutomatedTellerMachine6

Definition: ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1345
	AdditionalIdentification <AddtlId>	[0..1]	Text		1345
	SequenceNumber <SeqNb>	[0..1]	Text		1345
	Location <Lctn>	[0..1]			1345
	AddressLine <AdrLine>	[0..2]	Text		1346
	StreetName <StrtNm>	[0..1]	Text		1346
	BuildingNumber <BldgNb>	[0..1]	Text		1346
	PostCode <PstCd>	[0..1]	Text		1346
	TownName <TwnNm>	[1..1]	Text		1346
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1346
	Country <Ctry>	[1..1]	CodeSet	C1	1346
	GeoLocation <GLctn>	[0..1]			1347
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1347
	Latitude <Lat>	[1..1]	Text		1347
	Longitude <Long>	[1..1]	Text		1347
Or}	UTMCoordinates <UTMCordints>	[1..1]			1348
	UTMZone <UTMZone>	[1..1]	Text		1348
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1348
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1348
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1348
	Equipment <Eqpmnt>	[0..1]			1349
	Manufacturer <Manfctr>	[0..1]	Text		1349
	Model <Mdl>	[0..1]	Text		1349
	SerialNumber <SrlNb>	[0..1]	Text		1349
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1349
	ApplicationName <ApplNm>	[0..1]	Text		1349
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1350
	ApprovalNumber <ApprvNb>	[0..1]	Text		1350
	ConfigurationParameter <CfgrtnParam>	[0..*]			1350
	Type <Tp>	[1..1]	CodeSet		1350
	Version <Vrsn>	[1..1]	Text		1351

35.1.3.8.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

35.1.3.8.2 AdditionalIdentification <AddtId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.3.8.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

35.1.3.8.4 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1346
	StreetName <StrtNm>	[0..1]	Text		1346
	BuildingNumber <BldgNb>	[0..1]	Text		1346
	PostCode <PstCd>	[0..1]	Text		1346
	TownName <TwnNm>	[1..1]	Text		1346
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1346
	Country <Ctry>	[1..1]	CodeSet	C1	1346
	GeoLocation <GLctn>	[0..1]			1347
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1347
	Latitude <Lat>	[1..1]	Text		1347
	Longitude <Long>	[1..1]	Text		1347
Or}	UTMCoordinates <UTMCordints>	[1..1]			1348
	UTMZone <UTMZone>	[1..1]	Text		1348
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1348
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1348

35.1.3.8.4.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

35.1.3.8.4.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

35.1.3.8.4.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

35.1.3.8.4.4 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 1482

35.1.3.8.4.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

35.1.3.8.4.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

35.1.3.8.4.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1458

Constraints

• Country

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

35.1.3.8.4.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1347
	Latitude <Lat>	[1..1]	Text		1347
	Longitude <Long>	[1..1]	Text		1347
Or}	UTMCoordinates <UTMCordints>	[1..1]			1348
	UTMZone <UTMZone>	[1..1]	Text		1348
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1348
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1348

35.1.3.8.4.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1347
	Longitude <Long>	[1..1]	Text		1347

35.1.3.8.4.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

35.1.3.8.4.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

35.1.3.8.4.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1348
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1348
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1348

35.1.3.8.4.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

35.1.3.8.4.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

35.1.3.8.4.8.2.3 UTMNorthward <UTMNrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

35.1.3.8.5 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

35.1.3.8.6 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1349
	Model <Mdl>	[0..1]	Text		1349
	SerialNumber <SrlNb>	[0..1]	Text		1349
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1349
	ApplicationName <ApplNm>	[0..1]	Text		1349
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1350
	ApprovalNumber <ApprvINb>	[0..1]	Text		1350
	ConfigurationParameter <CfgrtnParam>	[0..*]			1350
	Type <Tp>	[1..1]	CodeSet		1350
	Version <Vrsn>	[1..1]	Text		1351

35.1.3.8.6.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.3 SerialNumber <SrlNb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

35.1.3.8.6.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1350
	Version <Vrsn>	[1..1]	Text		1351

35.1.3.8.6.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.

CodeName	Name	Definition
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

35.1.3.8.6.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

35.1.3.9 ATMSecurityConfiguration2

Definition: Configuration of the cryptographic keys.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumSymmetricKey <MaxSmmtrcKey>	[0..1]	Quantity		1351
	MaximumAsymmetricKey <MaxAsmmtrcKey>	[0..1]	Quantity		1351
	MaximumRSAKeyLength <MaxRSAKeyLngth>	[0..1]	Quantity		1351
	MaximumRootKeyLength <MaxRootKeyLngth>	[0..1]	Quantity		1351

35.1.3.9.1 MaximumSymmetricKey <MaxSmmtrcKey>

Presence: [0..1]

Definition: Maximum number of symmetric keys the security module is able to manage.

Datatype: "Number" on page 1480

35.1.3.9.2 MaximumAsymmetricKey <MaxAsmmtrcKey>

Presence: [0..1]

Definition: Maximum number of asymmetric keys the security module is able to manage.

Datatype: "Number" on page 1480

35.1.3.9.3 MaximumRSAKeyLength <MaxRSAKeyLngth>

Presence: [0..1]

Definition: Maximum RSA key length (in number of bytes), the security module is able to manage.

Datatype: "Number" on page 1480

35.1.3.9.4 MaximumRootKeyLength <MaxRootKeyLngth>

Presence: [0..1]

Definition: Maximum RSA root key length (in number of bytes), the security module is able to manage, if different from the maximum RSA key length.

Datatype: "Number" on page 1480

35.1.3.10 OnLinePIN5

Definition: Encrypted personal identification number (PIN) and related information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1352
	PINFormat <PINFrmt>	[1..1]	CodeSet		1352
	AdditionalInput <AddtlInpt>	[0..1]	Text		1353

35.1.3.10.1 EncryptedPINBlock <NcrptdPINBlck>

Presence: [1..1]

Definition: Encrypted PIN (Personal Identification Number).

EncryptedPINBlock <NcrptdPINBlck> contains the following elements (see "ContentInformationType10" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

35.1.3.10.2 PINFormat <PINFrmt>

Presence: [1..1]

Definition: PIN (Personal Identification Number) format before encryption.

Datatype: "PINFormat4Code" on page 1470

CodeName	Name	Definition
ANSI	ANSI0	ANSI 0 PIN block format.
BNCM	Bancomat	Italian Bancomat PIN block format.
BKSY	Banksys	Banksys PIN block format.
DBLD	Diebold	Diebold PIN block format.
DBLC	DieboldCO	Diebold CO PIN block format.
ECI2	ECI2	ECI2 PIN block format.
ECI3	ECI3	ECI3 PIN block format.
EMVS	EMVRS	EMV ISO2 PIN block format encrypted with the EMV RSA cryptographic key for the PIN.
IBM3	IBM3624	IBM 3624 PIN block format.
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.

CodeName	Name	Definition
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.
VIS2	VISA2	VISA2 PIN block format.
VIS3	VISA3	VISA3 PIN block format.

35.1.3.10.3 AdditionalInput <AddtlInpt>

Presence: [0..1]

Definition: Additional information required to verify the PIN (Personal Identification Number).

Datatype: "Max35Text" on page 1483

35.1.3.11 ATMSecurityConfiguration5

Definition: Configuration of the PIN online verification.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PINFormat <PINFrmt>	[0..*]	CodeSet		1353
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1354

35.1.3.11.1 PINFormat <PINFrmt>

Presence: [0..*]

Definition: PIN block format the security module is able to manage for online verification of the PIN.

Datatype: "PINFormat4Code" on page 1470

CodeName	Name	Definition
ANSI	ANSI0	ANSI 0 PIN block format.
BNCM	Bancomat	Italian Bancomat PIN block format.
BKSY	Banksys	Banksys PIN block format.
DBLD	Diebold	Diebold PIN block format.
DBLC	DieboldCO	Diebold CO PIN block format.
ECI2	ECI2	ECI2 PIN block format.
ECI3	ECI3	ECI3 PIN block format.
EMVS	EMVRS	EMV ISO2 PIN block format encrypted with the EMV RSA cryptographic key for the PIN.
IBM3	IBM3624	IBM 3624 PIN block format.

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.
VIS2	VISA2	VISA2 PIN block format.
VIS3	VISA3	VISA3 PIN block format.

35.1.3.11.2 PINLengthCapabilities <PINLnghCpblties>

Presence: [0..1]

Definition: Maximum number of digits the security module is able to accept when the cardholder enters its PIN.

Datatype: "Number" on page 1480

35.1.3.12 AutomatedTellerMachine2

Definition: ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1355
	AdditionalIdentification <AddtlId>	[0..1]	Text		1355
	SequenceNumber <SeqNb>	[0..1]	Text		1355
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1356
	Location <Lctn>	[0..1]			1356
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

35.1.3.12.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

35.1.3.12.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.3.12.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

35.1.3.12.4 BaseCurrency <BaseCcy>

Presence: [0..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.3.12.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1356
	StreetName <StrtNm>	[0..1]	Text		1357
	BuildingNumber <BldgNb>	[0..1]	Text		1357
	PostCode <PstCd>	[0..1]	Text		1357
	TownName <TwnNm>	[1..1]	Text		1357
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1357
	Country <Ctry>	[1..1]	CodeSet	C1	1357
	GeoLocation <GLctn>	[0..1]			1357
{Or	GeographicCoordinates <GeogCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1359

35.1.3.12.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

35.1.3.12.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

35.1.3.12.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

35.1.3.12.5.4 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 1482

35.1.3.12.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

35.1.3.12.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

35.1.3.12.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

35.1.3.12.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1358
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358
Or}	UTMCoordinates <UTMCordints>	[1..1]			1358
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1359

35.1.3.12.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1358
	Longitude <Long>	[1..1]	Text		1358

35.1.3.12.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

35.1.3.12.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

35.1.3.12.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1359
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1359
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1359

35.1.3.12.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

35.1.3.12.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

35.1.3.12.5.8.2.3 UTMNorthward <UTMNrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

35.1.3.13 AutomatedTellerMachine7

Definition: ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1359
	AdditionalIdentification <AddtlId>	[0..1]	Text		1359
	SequenceNumber <SeqNb>	[0..1]	Text		1360

35.1.3.13.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

35.1.3.13.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.3.13.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

35.1.3.14 ATMMediaMix1

Definition: Media mix selected.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashUnitNumber <CshUnitNb>	[0..1]	Quantity		1360
	Number <Nb>	[1..1]	Quantity		1360
	UnitValue <UnitVal>	[1..1]	Amount		1360

35.1.3.14.1 CashUnitNumber <CshUnitNb>

Presence: [0..1]

Definition: Logical unit number of the cash dispenser.

Datatype: "Number" on page 1480

35.1.3.14.2 Number <Nb>

Presence: [1..1]

Definition: Number of notes or coins.

Datatype: "Number" on page 1480

35.1.3.14.3 UnitValue <UnitVal>

Presence: [1..1]

Definition: Unit value.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.3.15 AutomatedTellerMachine5

Definition: ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1362
	AdditionalIdentification <AddtlId>	[0..1]	Text		1362
	SequenceNumber <SeqNb>	[0..1]	Text		1362
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1362
	Location <Lctn>	[0..1]			1362
	AddressLine <AdrLine>	[0..2]	Text		1363
	StreetName <StrtNm>	[0..1]	Text		1363
	BuildingNumber <BldgNb>	[0..1]	Text		1363
	PostCode <PstCd>	[0..1]	Text		1363
	TownName <TwnNm>	[1..1]	Text		1364
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1364
	Country <Ctry>	[1..1]	CodeSet	C1	1364
	GeoLocation <GLctn>	[0..1]			1364
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1364
	Latitude <Lat>	[1..1]	Text		1365
	Longitude <Long>	[1..1]	Text		1365
Or}	UTMCoordinates <UTMCordints>	[1..1]			1365
	UTMZone <UTMZone>	[1..1]	Text		1365
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1365
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1366
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1366
	Equipment <Eqpmnt>	[0..1]			1366
	Manufacturer <Manfctr>	[0..1]	Text		1366
	Model <Mdl>	[0..1]	Text		1367
	SerialNumber <SrlNb>	[0..1]	Text		1367
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1367
	ApplicationName <ApplNm>	[0..1]	Text		1367
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1367
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1367
	ConfigurationParameter <CfgrtnParam>	[0..*]			1367
	Type <Tp>	[1..1]	CodeSet		1367

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1368
	OutOfServiceDevice <OutOfSvcDvc>	[0..*]	CodeSet		1368
	MessageProtection <MsgPrtcn>	[0..1]	CodeSet		1369

35.1.3.15.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

35.1.3.15.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.3.15.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

35.1.3.15.4 BaseCurrency <BaseCcy>

Presence: [1..1]

Definition: Reference currency of the ATM.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.3.15.5 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1363
	StreetName <StrtNm>	[0..1]	Text		1363
	BuildingNumber <BldgNb>	[0..1]	Text		1363
	PostCode <PstCd>	[0..1]	Text		1363
	TownName <TwnNm>	[1..1]	Text		1364
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1364
	Country <Ctry>	[1..1]	CodeSet	C1	1364
	GeoLocation <GLctn>	[0..1]			1364
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1364
	Latitude <Lat>	[1..1]	Text		1365
	Longitude <Long>	[1..1]	Text		1365
Or}	UTMCoordinates <UTMCordints>	[1..1]			1365
	UTMZone <UTMZone>	[1..1]	Text		1365
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1365
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1366

35.1.3.15.5.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

35.1.3.15.5.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

35.1.3.15.5.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

35.1.3.15.5.4 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 1482

35.1.3.15.5.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

35.1.3.15.5.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

35.1.3.15.5.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

35.1.3.15.5.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1364
	Latitude <Lat>	[1..1]	Text		1365
	Longitude <Long>	[1..1]	Text		1365
Or}	UTMCoordinates <UTMCordints>	[1..1]			1365
	UTMZone <UTMZone>	[1..1]	Text		1365
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1365
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1366

35.1.3.15.5.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1365
	Longitude <Long>	[1..1]	Text		1365

35.1.3.15.5.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

35.1.3.15.5.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

35.1.3.15.5.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1365
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1365
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1366

35.1.3.15.5.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

35.1.3.15.5.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

35.1.3.15.5.8.2.3 UTMNorthward <UTMNrthwrd>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

35.1.3.15.6 LocationCategory <LctnCtgy>

Presence: [0..1]

Definition: Indicates the environment of the transaction.

Datatype: "TransactionEnvironment2Code" on page 1477

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

35.1.3.15.7 Equipment <Eqpmnt>

Presence: [0..1]

Definition: ATM terminal equipment.

Equipment <Eqpmnt> contains the following **ATMEquipment1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1366
	Model <Mdl>	[0..1]	Text		1367
	SerialNumber <SrlNb>	[0..1]	Text		1367
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1367
	ApplicationName <ApplNm>	[0..1]	Text		1367
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1367
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1367
	ConfigurationParameter <CfgrtnParam>	[0..*]			1367
	Type <Tp>	[1..1]	CodeSet		1367
	Version <Vrsn>	[1..1]	Text		1368

35.1.3.15.7.1 Manufacturer <Manfctr>

Presence: [0..1]

Definition: ATM Manufacturer.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.2 Model <Mdl>

Presence: [0..1]

Definition: Model of ATM.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.3 SerialNumber <SrINb>

Presence: [0..1]

Definition: Serial number of the ATM.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]

Definition: Provider of the ATM application software.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.5 ApplicationName <ApplNm>

Presence: [0..1]

Definition: Name of the software product.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.6 ApplicationVersion <ApplVrsn>

Presence: [0..1]

Definition: Current version of the software that might include the release number.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.7 ApprovalNumber <ApprvINb>

Presence: [0..1]

Definition: Unique assessment number for the component.

Datatype: "Max35Text" on page 1483

35.1.3.15.7.8 ConfigurationParameter <CfgtnParam>

Presence: [0..*]

Definition: Configuration parameter version.

ConfigurationParameter <CfgtnParam> contains the following **ATMConfigurationParameter1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Type <Tp>	[1..1]	CodeSet		1367
	Version <Vrsn>	[1..1]	Text		1368

35.1.3.15.7.8.1 Type <Tp>

Presence: [1..1]

Definition: Type of the ATM configuration.

Datatype: "DataSetCategory7Code" on page 1461

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

35.1.3.15.7.8.2 Version <Vrsn>

Presence: [1..1]

Definition: Active version of the configuration.

Datatype: "Max35Text" on page 1483

35.1.3.15.8 OutOfServiceDevice <OutOfSvcDvc>

Presence: [0..*]

Definition: List of ATM devices out of service.

Datatype: "ATMDevice2Code" on page 1444

CodeName	Name	Definition
ALRM	AlarmSensors	Alarm sensors, such as tamper, seismic or heat sensors.
BRCD	BarCodeReader	Device scanning barcodes using any scanning technology.
CAMR	Camera	Camera, recorder, video mixer.
CRDD	CardDispenser	Device dispensing card to a consumer.
CRDR	CardUnit	Device to read and optionally write card with various entry modes.
CSHD	CashDispenser	Device dispensing cash in an automated environment, or with an operator present.
CSHI	CashInModule	Device accepting in-out of items as coupons, documents, bills and coins.

CodeName	Name	Definition
CSHR	CashRecycler	Compound device with cash in module, cash dispenser, and cash exchange.
CHCK	CheckReader	Check reader and check image scanner.
CDIS	CustomerConsole	Customer display and keyboard.
DPST	Deposit	Device for the deposit of media in envelopes or deposit of bags containing bulk media.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
DOOR	DoorSensors	Door sensors, such as cabinet, safe or vandal shield doors.
INPM	InputProcessingModule	Self service device processing items.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
SNSR	OtherSensor	Other sensors and indicators unit.
PSBK	PassbookPrinter	Passbook device supporting automatic positioning of the book.
PINR	PINKeypad	Hardware security module allowing the PIN (Personal Identification Number) entry, secure storing of cryptographic keys, and other cryptographic functions.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
SCAN	ScannerPrinter	Device incorporating both the capabilities to scan inserted documents and optionally to print on them.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

35.1.3.15.9 MessageProtection <MsgPrtn>

Presence: [0..1]

Definition: Mechanism used to protect the message of the ATM protocol.

Datatype: "MessageProtection1Code" on page 1468

CodeName	Name	Definition
EVLP	EnvelopedMessage	Messages contain an encrypted body and a MAC or a digital signature computed on the complete message (header plus body after encryption).
MACB	MACBody	Messages contain a MAC or a digital signature computed on the body only.
MACM	MACMessage	Messages contain a MAC or a digital signature computed on the complete message (header plus body).

CodeName	Name	Definition
UNPR	NoProtection	Messages are not protected, no encryption and no MAC or digital signature.

35.1.3.16 ATMSecurityConfiguration4

Definition: Configuration of the digital signatures if the security module is able to perform digital signatures with an asymmetric key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumCertificates <MaxCerts>	[0..1]	Quantity		1370
	MaximumSignatures <MaxSgntrs>	[0..1]	Quantity		1370
	DigitalSignatureAlgorithm <DgtlSgntrAlgo>	[0..*]	CodeSet		1370

35.1.3.16.1 MaximumCertificates <MaxCerts>

Presence: [0..1]

Definition: Maximum number of certificates in a certificate path, the security module is able to manage.

Datatype: "Number" on page 1480

35.1.3.16.2 MaximumSignatures <MaxSgntrs>

Presence: [0..1]

Definition: Maximum number of cosigners, the security module is able to manage in a digital signature.

Datatype: "Number" on page 1480

35.1.3.16.3 DigitalSignatureAlgorithm <DgtlSgntrAlgo>

Presence: [0..*]

Definition: Digital signature algorithm the security module is able to manage.

Datatype: "Algorithm14Code" on page 1438

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).

35.1.3.17 AutomatedTellerMachine3

Definition: ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1371
	AdditionalIdentification <AddtlId>	[0..1]	Text		1371
	SequenceNumber <SeqNb>	[0..1]	Text		1371
	Location <Lctn>	[0..1]			1372
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1375

35.1.3.17.1 Identification <Id>

Presence: [1..1]

Definition: ATM terminal device identification for the acquirer and the issuer.

Datatype: "Max35Text" on page 1483

35.1.3.17.2 AdditionalIdentification <AddtlId>

Presence: [0..1]

Definition: ATM terminal device identification for the ATM manager.

Datatype: "Max35Text" on page 1483

35.1.3.17.3 SequenceNumber <SeqNb>

Presence: [0..1]

Definition: ATM terminal device identification for the branch.

Datatype: "Max35Text" on page 1483

35.1.3.17.4 Location <Lctn>

Presence: [0..1]

Definition: Location of the ATM.

Location <Lctn> contains the following **PostalAddress17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressLine <AdrLine>	[0..2]	Text		1372
	StreetName <StrtNm>	[0..1]	Text		1372
	BuildingNumber <BldgNb>	[0..1]	Text		1372
	PostCode <PstCd>	[0..1]	Text		1373
	TownName <TwnNm>	[1..1]	Text		1373
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1373
	Country <Ctry>	[1..1]	CodeSet	C1	1373
	GeoLocation <GLctn>	[0..1]			1373
{Or	GeographicCoordinates <GeogCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1375

35.1.3.17.4.1 AddressLine <AdrLine>

Presence: [0..2]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

35.1.3.17.4.2 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

35.1.3.17.4.3 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

35.1.3.17.4.4 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 1482

35.1.3.17.4.5 TownName <TwnNm>

Presence: [1..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

35.1.3.17.4.6 CountrySubDivision <CtrySubDvsn>

Presence: [0..2]

Definition: Identifies a subdivision of a country, for instance state, region, county.

Datatype: "Max35Text" on page 1483

35.1.3.17.4.7 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government, occupying a particular territory.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

35.1.3.17.4.8 GeoLocation <GLctn>

Presence: [0..1]

Definition: Geographic location of the ATM specified by geographic coordinates or UTM coordinates.

GeoLocation <GLctn> contains one of the following **GeographicLocation1Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1374
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374
Or}	UTMCoordinates <UTMCordints>	[1..1]			1374
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1375

35.1.3.17.4.8.1 GeographicCoordinates <GeogcCordints>

Presence: [1..1]

Definition: Location on the earth specified by two numbers representing vertical and horizontal position.

GeographicCoordinates <GeogcCordints> contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Latitude <Lat>	[1..1]	Text		1374
	Longitude <Long>	[1..1]	Text		1374

35.1.3.17.4.8.1.1 Latitude <Lat>

Presence: [1..1]

Definition: Latitude 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 for the Eiffel Tower latitude).

Datatype: "Max16Text" on page 1482

35.1.3.17.4.8.1.2 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 2°17'40" E for the Eiffel Tower longitude).

Datatype: "Max16Text" on page 1482

35.1.3.17.4.8.2 UTMCoordinates <UTMCordints>

Presence: [1..1]

Definition: Location on the earth specified by the Universal Transverse Mercator coordinate system, using the WGS84 geodesic system.

UTMCoordinates <UTMCordints> contains the following **UTMCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	UTMZone <UTMZone>	[1..1]	Text		1375
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1375
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1375

35.1.3.17.4.8.2.1 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 (for example Eiffel tower UTM zone is 31U).

Datatype: "Max16Text" on page 1482

35.1.3.17.4.8.2.2 UTMEastward <UTMEstwr>

Presence: [1..1]

Definition: X-coordinate of the Universal Transverse Mercator coordinate system in meters (for example 448 265m for Eiffel Tower X-coordinate).

Datatype: "Number" on page 1480

35.1.3.17.4.8.2.3 UTMNorthward <UTMNrthwr>

Presence: [1..1]

Definition: Y-coordinate of the Universal Transverse Mercator coordinate system (for example 5 411 920m for Eiffel Tower Y-coordinate).

Datatype: "Number" on page 1480

35.1.3.18 ATMCommandIdentification1

Definition: Identification of the entity issuing the command.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1375
	Reference <Ref>	[0..1]	Text		1375
	Processor <Prcr>	[0..1]	Text		1376

35.1.3.18.1 Origin <Orgn>

Presence: [0..1]

Definition: Identification of the entity issuing the command.

Datatype: "Max35Text" on page 1483

35.1.3.18.2 Reference <Ref>

Presence: [0..1]

Definition: Unique identification of the command for the issuer of the command.

Datatype: "Max35Text" on page 1483

35.1.3.18.3 Processor <PrCr>

Presence: [0..1]

Definition: Identification or address of the host performing the command.

Datatype: "Max140Text" on page 1482

35.1.3.19 ATMAccountStatement3

Definition: Statement information of an account.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentifier <Acctldr>	[1..1]			1376
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1377
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1377
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1377
Or	DomesticAccount <DmstAcct>	[1..1]			1377
	Identification <Id>	[1..1]	Text		1378
Or	MSISDN <MSISDN>	[1..1]	Text		1378
Or}	Email <Email>	[1..1]	Text		1378
	AccountName <AcctNm>	[0..1]	Text		1378
	AccountStatement <AcctStmnt>	[0..*]			1378
	TransactionDate <TxDt>	[0..1]	Date		1379
	ValueDate <ValDt>	[0..1]	Date		1379
	ShortText <ShrtTxt>	[0..1]	Text		1379
	CreditTransaction <CdtTx>	[0..1]	Indicator		1379
	Amount <Amt>	[1..1]	Amount		1379
	Currency <Ccy>	[0..1]	CodeSet	C1	1379
	LongText <LngTxt>	[0..1]	Text		1380

35.1.3.19.1 AccountIdentifier <Acctldr>

Presence: [1..1]

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

AccountIdentifier <AcctIdr> contains one of the following **AccountIdentification80Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1377
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1377
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1377
Or	DomesticAccount <DmstAcct>	[1..1]			1377
	Identification <Id>	[1..1]	Text		1378
Or	MSISDN <MSISDN>	[1..1]	Text		1378
Or}	Email <Email>	[1..1]	Text		1378

35.1.3.19.1.1 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 1479

Constraints

- **IBAN**

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

35.1.3.19.1.2 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 1479

35.1.3.19.1.3 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 1480

35.1.3.19.1.4 DomesticAccount <DmstAcct>

Presence: [1..1]

Definition: Account number used by financial Mobile Subscriber Integrated Service Digital Network (i.e. mobile phone number of the SIM card). 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 </d>	[1..1]	Text		1378

35.1.3.19.1.4.1 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 1483

35.1.3.19.1.5 MSISDN <MSISDN>

Presence: [1..1]

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

Datatype: "Max16Text" on page 1482

35.1.3.19.1.6 Email <Email>

Presence: [1..1]

Definition: E-mail identifying the account.

Datatype: "Max256Text" on page 1483

35.1.3.19.2 AccountName <AcctNm>

Presence: [0..1]

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

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

Datatype: "Max70Text" on page 1485

35.1.3.19.3 AccountStatement <AcctStmt>

Presence: [0..*]

Definition: Statement information.

AccountStatement <AcctStmnt> contains the following **ATMAccountStatement2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDate <TxDt>	[0..1]	Date		1379
	ValueDate <ValDt>	[0..1]	Date		1379
	ShortText <ShrtTxt>	[0..1]	Text		1379
	CreditTransaction <CdtTx>	[0..1]	Indicator		1379
	Amount <Amt>	[1..1]	Amount		1379
	Currency <Ccy>	[0..1]	CodeSet	C1	1379
	LongText <LngTxt>	[0..1]	Text		1380

35.1.3.19.3.1 TransactionDate <TxDt>

Presence: [0..1]

Definition: Date of the transaction.

Datatype: "ISODate" on page 1478

35.1.3.19.3.2 ValueDate <ValDt>

Presence: [0..1]

Definition: Value date of the transaction.

Datatype: "ISODate" on page 1478

35.1.3.19.3.3 ShortText <ShrtTxt>

Presence: [0..1]

Definition: Short text to display or print for the statement.

Datatype: "Max70Text" on page 1485

35.1.3.19.3.4 CreditTransaction <CdtTx>

Presence: [0..1]

Definition: True if credit transaction.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

35.1.3.19.3.5 Amount <Amt>

Presence: [1..1]

Definition: Amount of the transaction.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.3.19.3.6 Currency <Ccy>

Presence: [0..1]

Definition: Currency of the amount.

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.3.19.3.7 LongText <LngTxt>

Presence: [0..1]

Definition: Alternative text of the statement to print or display.

Datatype: "Max256Text" on page 1483

35.1.4 Currency Exchange

35.1.4.1 CurrencyConversion5

Definition: Exchange rate and calculated amount to be presented to the customer when the dispense currency or the deposit currency (target currency) is different to account currency (source currency).

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SourceCurrency <SrcCcy>	[1..1]	CodeSet	C1	1380
	SourceCurrencyNumeric <SrcCcyNmrc>	[1..1]	CodeSet	C1	1381
	TargetCurrency <TrgtCcy>	[1..1]	CodeSet	C1	1381
	TargetCurrencyNumeric <TrgtCcyNmrc>	[1..1]	Text		1381
	Rate <Rate>	[1..1]	Rate		1381
	CalculatedAmount <ClctdAmt>	[1..1]	Amount		1381

35.1.4.1.1 SourceCurrency <SrcCcy>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

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

35.1.4.1.2 SourceCurrencyNumeric <SrcCcyNmrc>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.4.1.3 TargetCurrency <TrgtCcy>

Presence: [1..1]

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

Impacted by: C1 "ActiveCurrency"

Datatype: "ActiveCurrencyCode" on page 1435

Constraints

- **ActiveCurrency**

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

35.1.4.1.4 TargetCurrencyNumeric <TrgtCcyNmrc>

Presence: [1..1]

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

Datatype: "Exact3NumericText" on page 1481

35.1.4.1.5 Rate <Rate>

Presence: [1..1]

Definition: Currency exchange rate.

Datatype: "BaseOneRate" on page 1481

35.1.4.1.6 CalculatedAmount <ClctdAmt>

Presence: [1..1]

Definition: Resulting calculated amount is in target currency.

Datatype: "ImpliedCurrencyAndAmount" on page 1431

35.1.5 Identification Information

35.1.5.1 GenericIdentification77

Definition: Identification of an entity.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1382
	Type <Tp>	[1..1]	CodeSet		1382
	Issuer <Issr>	[0..1]	CodeSet		1382
	Country <Ctry>	[0..1]	Text		1383
	ShortName <ShrtNm>	[0..1]	Text		1383

35.1.5.1.1 Identification <Id>

Presence: [1..1]

Definition: Identification of the entity.

Datatype: "Max35Text" on page 1483

35.1.5.1.2 Type <Tp>

Presence: [1..1]

Definition: Type of identified entity.

Datatype: "PartyType12Code" on page 1469

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ATMG	ATMManager	Entity managing the ATM.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
HSTG	HostingEntity	Entity hosting the ATM.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OATM	OriginatingATM	ATM initiating the transaction.

35.1.5.1.3 Issuer <Issr>

Presence: [0..1]

Definition: Entity assigning the identification (for example merchant, acceptor, acquirer, or tax authority).

Datatype: "PartyType12Code" on page 1469

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ATMG	ATMManager	Entity managing the ATM.
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
HSTG	HostingEntity	Entity hosting the ATM.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OATM	OriginatingATM	ATM initiating the transaction.

35.1.5.1.4 Country <Ctry>

Presence: [0..1]

Definition: Country of the entity (ISO 3166-1 alpha-2 or alpha-3).

Datatype: "Min2Max3AlphaText" on page 1485

35.1.5.1.5 ShortName <ShrtNm>

Presence: [0..1]

Definition: Name of the entity.

Datatype: "Max35Text" on page 1483

35.1.5.2 GenericIdentification1

Definition: Information related to an identification, for example party identification or account identification.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1383
	SchemeName <SchmeNm>	[0..1]	Text		1383
	Issuer <Issr>	[0..1]	Text		1384

35.1.5.2.1 Identification <Id>

Presence: [1..1]

Definition: Identification assigned by an institution.

Datatype: "Max35Text" on page 1483

35.1.5.2.2 SchemeName <SchmeNm>

Presence: [0..1]

Definition: Name of the identification scheme.

Datatype: "Max35Text" on page 1483

35.1.5.2.3 Issuer <lssr>

Presence: [0..1]

Definition: Entity that assigns the identification.

Datatype: "Max35Text" on page 1483

35.1.6 Miscellaneous

35.1.6.1 TransactionIdentifier3

Definition: Identification of the transaction in an unambiguous way.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1384
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1384
	TransactionReference <TxRef>	[1..1]	Text		1384

35.1.6.1.1 TransactionDateTime <TxDtTm>

Presence: [1..1]

Definition: Local date and time of the transaction assigned by the POI (Point Of Interaction).

Datatype: "ISODateTime" on page 1478

35.1.6.1.2 HostTransactionDateTime <HstTxDtTm>

Presence: [0..1]

Definition: Local date and time of the transaction assigned by the host.

Datatype: "ISODateTime" on page 1478

35.1.6.1.3 TransactionReference <TxRef>

Presence: [1..1]

Definition: Identification of the transaction that has to be unique for a time period.

Datatype: "Max35Text" on page 1483

35.1.6.2 ResponseType12

Definition: Response of a requested service.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Response <Rspn>	[1..1]	CodeSet		1384
	ResponseReason <RspnRsn>	[0..1]	CodeSet		1385
	AdditionalResponseInformation <AddtlRspnInf>	[0..1]	Text		1389

35.1.6.2.1 Response <Rspn>

Presence: [1..1]

Definition: Result of the requested transaction.

Datatype: "Response12Code" on page 1472

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partially provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

35.1.6.2.2 ResponseReason <RspnRsn>

Presence: [0..1]

Definition: Detail of the response.

Datatype: "ResultDetail5Code" on page 1472

CodeName	Name	Definition
ACTF	AccountNotFound	Account of the cardholder or the customer is not found.
ACQS	AcquirerNotSupported	Acquirer is not supported.
AMLV	AMLValidation	Error on AML (Anti Money Laundering) validation.
AMTA	AmountNotFound	Amount not found.
AUTH	AuthenticationFailed	Cardholder or customer could not be authenticated, for instance due to an incorrect login identification or an incorrect password.
BANK	BankNotFound	Bank not found.
CRDR	CardError	Card error, for instance invalid ARQC (Authorisation ReQuest Cryptogram).
CRDF	CardVerificationFailed	Identification of the card is invalid.
ACTC	ClosedAccount	Account is no more usable for the transaction.
CTVG	CutoverInProgress	Cutover is in progress, transaction could not be processed.
DBER	DatabaseError	Database access error.
FEES	DisputedFees	Transaction fees are disputed by the issuer.
TXNL	ExceededTransactionLifeCycle	Validity period of the transaction is exceeded.
AMTD	DepositAmountLimit	Amount of deposit transactions exceeds the limit.
NMBD	DepositNumberLimit	Number of deposit transactions or items exceeds the limit.
CRDX	ExpiredCard	Card has expired.

CodeName	Name	Definition
FDCL	FallbackDeclined	Issuer declined the fall-back transaction.
FMTR	FormatError	Invalid format of the message or its content.
TXNG	InProgress	Original request is in progress.
FNDI	InsufficientFunds	Account balance is not sufficient.
ACPI	InvalidAcceptor	Issuer denies the acceptor.
AMTI	InvalidAmount	Requested amount is outside the card limits, or the currency is invalid.
ADDI	InvalidAddress	Part of the specified address is incorrect.
BRHI	InvalidBranch	Invalid branch or bank information.
CHDI	InvalidCardholderIdentification	Identification of the cardholder or the customer does not match.
CRDI	InvalidCardNumber	Identification of the card is invalid.
CTFV	InvalidCertificate	Digital certificate cannot be authenticated, is expired or revoked.
AMTO	InvalidOriginalAmount	Original amount is invalid.
PINV	InvalidPIN	PIN is invalid.
TKKO	InvalidToken	Token cannot be used to surrogate a PAN (Primary Account Number).
SGNI	InvalidSignature	Signed message has an invalid signature.
TKID	InvalidTokenIdentification	Identification of the token provider or the token requestor is invalid.
TXNV	InvalidTransaction	Transaction is invalid.
DATI	InvalidTransactionDateTime	Date time of the transaction is invalid.
ISSP	IssuerInoperative	Issuer is inoperative.
ISSF	IssuerNotFound	Issuer is not found.
ISSO	IssuerSignedOff	Transaction could not be processed as Issuer is signed off.
ISST	IssuerTimeOut	Transaction could not be processed as Issuer times out.
ISSU	IssuerUnavailable	Transaction could not be processed as Issuer is unavailable.
KEYS	KeyStorageSaturation	Storage space not available for the key.
LBLA	LiabilityAccepted	Transaction is processed and liability is accepted.
CRDL	LostCard	Card has been declared lost.
MACR	MACError	MAC error.
MACK	MACKKeyError	MAC key error.

CodeName	Name	Definition
ICCM	MissingICCDData	ICC data elements required for processing the ICC transaction were not present in the message.
PINN	NewPINInvalid	New PIN is invalid (PIN change).
CRDA	NoCardRecord	No card file record.
LBLU	NoLiabilityAccepted	Transaction is processed, but liability is not accepted.
PINA	NotAbleToValidatePIN	PIN could not be validated.
NPRA	NotPermittedToAcceptor	Process not permitted to the acceptor (for example fall back).
OFFL	OffLineProcess	Transaction has been processed offline by the terminal.
ONLP	OffLineProcessAfterReferral	Transaction has been processed offline after referral.
NPRC	NotPermittedToCardholder	Transaction not permitted to the cardholder or the customer.
TXNM	OriginalDoesNotMatch	Original is found, but transaction does not match.
OTHR	OtherError	Other error.
BALO	OutOfBalance	Out of balance.
SEQO	OutOfSequence	Message is out of sequence.
PINC	PINChangeRequired	Cardholder must change the PIN to be able to perform the transaction.
PIND	PINDataRequired	Additional information are required to verify the PIN.
PINS	PINSecurityError	PIN length or PIN key is invalid.
PINX	PINTriesExceeded	Last attempt of the PIN verification fails.
PINE	PINEncryptionError	Decrypted PIN block is invalid.
QMAX	QueueMaximumExceeded	Store and forward queue maximum exceeded.
RECD	RecurringDataError	Recurring Error on Data.
CRDT	RestrictedCard	Requested service not allowed by the card.
SECV	SecurityViolation	Security violation, for instance invalid ARPC (Authorisation ResPonse Cryptogram).
SRVU	ServiceNotEnabled	Cardholder or customer has not enabled the service with the service provider.
SFWE	SoftwareOrHardwareError	Security software or hardware error.
SPCC	SpecialConditions	Special card conditions not respected.
CRDS	StolenCard	Card has been declared stolen.
SRCH	SurchargeNotPermitted	Surcharging is not permitted.

CodeName	Name	Definition
CNTC	SuspectedCounterfeitCard	Counterfeit card suspected by the issuer or the processor.
FRDS	SuspectedFraud	Fraudulent transaction is suspected by the issuer or the processor.
SYSP	SystemInoperative	Processing temporary not available.
SYSM	SystemMalfunction	System Malfunction.
TRMI	TerminalNotConfigured	Server received a terminal identification that it does not have any knowledge of.
ACTT	ToAccountError	To account status error.
TTLV	TotalsNotAvailable	Totals are not available.
TXNU	TransactionDidNotComplete	Transaction did not complete at the terminal.
TXND	TransactionDuplicate	Transaction identification already used for another transaction.
ORGF	UnableToFindOriginal	Transaction could not be processed as original is not found.
UNBO	UnableToGoOnLine	Transaction cannot be processed online by the terminal.
UNBP	UnableToProcessOffLine	Transaction cannot be processed offline.
UNBC	UnacceptableCurrency	Currency is unacceptable for the Issuer or the processor.
CMKY	UnavailablecommunicationKey	Communication keys are not available.
CRDU	UneffectiveCard	Card is not active yet.
SVSU	UnsupportedService	Requested service not supported.
VNDR	VendorFormatError	Vendor format has an error.
VNDF	VendorNotFound	Vendor not found.
AMTW	WithdrawalAmountLimit	Amount of withdrawal transactions exceeds card limit.
NMBW	WithdrawalNumberLimit	Number of withdrawal transactions exceeds card limit.
CRDW	WrongCard	Other card used for the original transaction.
MEDI	InvalidMediaType	The requested media are not allowed for the service.
SRVI	InvalidService	The requested service is not allowed.
AMMA	AccountMatchesMultipleAccounts	The account details provided in the request message matches multiple accounts.
AGFE	AgreeFee	Consumer must agree fee from those provided to authorise the transaction. See <Tx><AuthstnRsIt><FeeToAdd>.
SACT	SelectAccount	Consumer must select an account from those provided to authorise the transaction. See <Tx><AcctInf>.

CodeName	Name	Definition
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvvsElgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

35.1.6.2.3 AdditionalResponseInformation <AddtlRspnInf>

Presence: [0..1]

Definition: Additional information to be logged for further examination.

Datatype: "Max140Text" on page 1482

35.1.6.3 PointOfInteractionCapabilities10

Definition: Capabilities of the ATM terminal.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CardReadData <CardRdData>	[0..*]	CodeSet		1389
	CardWriteData <CardWrtData>	[0..*]	CodeSet		1390
	Authentication <Authntcn>	[0..*]	CodeSet		1390
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1391
	ApprovalCodeLength <ApprvlCdLngh>	[0..1]	Quantity		1391
	MaxScriptLength <MxScrpLngh>	[0..1]	Quantity		1391
	CardCaptureCapable <CardCaptrCpbl>	[0..1]	Indicator		1391
	WithdrawalMedia <WdrwlMdia>	[0..*]	CodeSet		1391
	DepositedMedia <DpstlMdia>	[0..*]	CodeSet		1392
	MessageCapabilities <MsgCpblties>	[0..*]			1392
	Destination <Dstn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393
	InteractiveTransactions <IntractvTx>	[0..*]	Text		1393
	ReceiptPrinting <RctPrtg>	[0..1]	Indicator		1394

35.1.6.3.1 CardReadData <CardRdData>

Presence: [0..*]

Definition: Card reading capabilities of the ATM performing the transaction.

Datatype: "CardDataReading4Code" on page 1457

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
MGST	MagneticStripe	Magnetic stripe.
CTLS	ProximityReader	Contactless proximity reader.

35.1.6.3.2 CardWriteData <CardWrtData>

Presence: [0..*]

Definition: Card writing capabilities of the terminal performing the transaction.

Datatype: "CardDataReading4Code" on page 1457

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
MGST	MagneticStripe	Magnetic stripe.
CTLS	ProximityReader	Contactless proximity reader.

35.1.6.3.3 Authentication <Authntcn>

Presence: [0..*]

Definition: Customer and card authentication capabilities available at the ATM.

Datatype: "CardholderVerificationCapability3Code" on page 1457

CodeName	Name	Definition
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
FCPN	OfflinePINCLEAR	Offline PIN in clear (Personal Identification Number).
FEPN	OfflinePINEncrypted	Offline PIN encrypted (Personal Identification Number).
FDSG	OfflineDigitalSignature	Offline digital signature analysis.
FBIO	OfflineBiometrics	Offline biometrics.
FBIG	OfflineBiographics	Offline biographics.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.

CodeName	Name	Definition
PCOD	PersonalCode	Personal code of the customer for banking services.

35.1.6.3.4 PINLengthCapabilities <PINLnghCpblties>

Presence: [0..1]

Definition: Maximum number of digits the ATM is able to accept when the cardholder enters its PIN.

Datatype: "Number" on page 1480

35.1.6.3.5 ApprovalCodeLength <ApprvlCdLngh>

Presence: [0..1]

Definition: Maximum number of characters of the approval code the ATM is able to manage.

Datatype: "Number" on page 1480

35.1.6.3.6 MaxScriptLength <MxScrptLngh>

Presence: [0..1]

Definition: Maximum data length in bytes that a card issuer can return to the ICC at the terminal.

Datatype: "Number" on page 1480

35.1.6.3.7 CardCaptureCapable <CardCaptrCpbl>

Presence: [0..1]

Definition: True if the ATM is able to capture card.

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

35.1.6.3.8 WithdrawalMedia <WdrwlMdia>

Presence: [0..*]

Definition: Type of media the ATM is able to dispense.

Datatype: "ATMMediaType1Code" on page 1445

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.

CodeName	Name	Definition
UDTM	Undetermined	Undetermined medias.

35.1.6.3.9 DepositedMedia <DpstdMdia>

Presence: [0..*]

Definition: Type of media the customer is able to deposit in the ATM.

Datatype: "ATMMediaType4Code" on page 1446

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

35.1.6.3.10 MessageCapabilities <MsgCpblties>

Presence: [0..*]

Definition: Capabilities of the terminal to display Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.or print message to the cardholder and the merchant.

MessageCapabilities <MsgCpblties> contains the following **DisplayCapabilities5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Destination <Dstn>	[1..*]	CodeSet		1392
	AvailableFormat <AvlblFrmt>	[0..*]	CodeSet		1393
	NumberOfLines <NbOfLines>	[0..1]	Quantity		1393
	LineWidth <LineWidth>	[0..1]	Quantity		1393
	AvailableLanguage <AvlblLang>	[0..*]	CodeSet	C3	1393

35.1.6.3.10.1 Destination <Dstn>

Presence: [1..*]

Definition: Destination of the message to present.

Datatype: "UserInterface5Code" on page 1477

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
CRDO	OtherCardholderInterface	Other interface of the cardholder, for instance e-mail or smartphone message.

35.1.6.3.10.2 AvailableFormat <AvlblFrmt>

Presence: [0..*]

Definition: Available message format.

Datatype: "OutputFormat1Code" on page 1469

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.

35.1.6.3.10.3 NumberOfLines <NbOfLines>

Presence: [0..1]

Definition: Number of lines of the display.

Datatype: "Number" on page 1480

35.1.6.3.10.4 LineWidth <LineWidth>

Presence: [0..1]

Definition: Number of columns of the display or printer.

Datatype: "Number" on page 1480

35.1.6.3.10.5 AvailableLanguage <AvlblLang>

Presence: [0..*]

Definition: Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

Impacted by: C3 "ValidationByTable"

Datatype: "LanguageCode" on page 1465

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

35.1.6.3.11 InteractiveTransactions <IntractvTx>

Presence: [0..*]

Definition: Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

Datatype: "Max256Text" on page 1483

35.1.6.3.12 ReceiptPrinting <RctPrtg>

Presence: [0..1]

Definition: Whether the terminal can print a receipt (i.e. the device is functional, and it has paper).

Usage: When absent, default value is True.

Datatype: One of the following values must be used (see "TrueFalseIndicator" on page 1480):

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

35.1.6.4 TerminalHosting1

Definition: Entity hosting the ATM terminal.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1394
	Identification <Id>	[0..1]	Text		1394

35.1.6.4.1 Category <Ctgy>

Presence: [0..1]

Definition: Type of ATM terminal hosting.

Datatype: "TransactionEnvironment3Code" on page 1477

CodeName	Name	Definition
BRCH	Branch	Bank environment.
MERC	Merchant	Merchant environment.
OTHR	Other	Other environments, for instance a mall or an airport.

35.1.6.4.2 Identification <Id>

Presence: [0..1]

Definition: Identify the entity hosting the ATM.

Datatype: "Max35Text" on page 1483

35.1.6.5 EncapsulatedContent3

Definition: Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1394
	Content <Cntt>	[0..1]	Binary		1395

35.1.6.5.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been authenticated.

Datatype: "ContentType2Code" on page 1458

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).

35.1.6.5.2 Content <Cntt>

Presence: [0..1]

Definition: Actual data to authenticate.

Datatype: "Max100KBinary" on page 1432

35.1.6.6 ContentInformationType14

Definition: General cryptographic message syntax (CMS) containing data. protected by a digital signature.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1395
	SignedData <SgndData>	[1..1]	±		1396

35.1.6.6.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

CodeName	Name	Definition
DATA	PlainData	Generic, non cryptographic, or unqualified data content - (ASN.1 Object Identifier: id-data).
SIGN	SignedData	Digital signature - (ASN.1 Object Identifier: id-signedData).
EVLP	EnvelopedData	Encrypted data, with encryption key - (ASN.1 Object Identifier: id-envelopedData).

CodeName	Name	Definition
DGST	DigestedData	Message digest - (ASN.1 Object Identifier: id-digestedData).
AUTH	AuthenticatedData	MAC (Message Authentication Code), with encryption key - (ASN.1 Object Identifier: id-ct-authData).

35.1.6.6.2 SignedData <SgndData>

Presence: [1..1]

Definition: Data protected by a digital signatures.

SignedData <SgndData> contains the following elements (see "SignedData4" on page 1397 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1398
	DigestAlgorithm <DgstAlgo>	[1..*]			1399
	Algorithm <Algo>	[1..1]	CodeSet		1399
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1399
	Certificate <Cert>	[0..*]	Binary		1399
	Signer <Sgnr>	[1..*]			1400
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

35.1.6.7 SignedData4

Definition: Digital signatures of data from one or several signers.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1398
	DigestAlgorithm <DgstAlgo>	[1..*]			1399
	Algorithm <Algo>	[1..1]	CodeSet		1399
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1399
	Certificate <Cert>	[0..*]	Binary		1399
	Signer <Sgnr>	[1..*]			1400
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

35.1.6.7.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1480

35.1.6.7.2 DigestAlgorithm <DgstAlgo>

Presence: [1..*]

Definition: Identification of digest algorithm applied before signature.

DigestAlgorithm <DgstAlgo> contains the following **AlgorithmIdentification16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1399

35.1.6.7.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm11Code" on page 1435

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).

35.1.6.7.3 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data to sign.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1394
	Content <Cntt>	[0..1]	Binary		1395

35.1.6.7.4 Certificate <Cert>

Presence: [0..*]

Definition: Chain of X.509 certificates.

Datatype: "Max5000Binary" on page 1433

35.1.6.7.5 Signer <Sgnr>

Presence: [1..*]

Definition: Digital signature and identification of a signer.

Signer <Sgnr> contains the following **Signer3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1400
	SignerIdentification <SgnrId>	[0..1]			1400
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1401
	Issuer </issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrlNb>	[1..1]	Binary		1402
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1402
	DigestAlgorithm <DgstAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1403
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1403
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406
	Signature <Sgntr>	[1..1]	Binary		1407

35.1.6.7.5.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the Cryptographic Message Syntax (CMS) data structure.

Datatype: "Number" on page 1480

35.1.6.7.5.2 SignerIdentification <SgnrId>

Presence: [0..1]

Definition: Identification of the entity who has signed the data.

SignerIdentification <SgnrId> contains one of the following **Recipient5Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrINb>	[1..1]			1401
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrINb>	[1..1]	Binary		1402
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1402

35.1.6.7.5.2.1 IssuerAndSerialNumber <IssrAndSrINb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrINb> contains the following **IssuerAndSerialNumber1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1401
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402
	SerialNumber <SrINb>	[1..1]	Binary		1402

35.1.6.7.5.2.1.1 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..*]			1401
	AttributeType <AttrTp>	[1..1]	CodeSet		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402

35.1.6.7.5.2.1.1.1 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		1402
	AttributeValue <AttrVal>	[1..1]	Text		1402

35.1.6.7.5.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1454

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).

35.1.6.7.5.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1482

35.1.6.7.5.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1433

35.1.6.7.5.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier2](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1318
	KeyVersion <KeyVrsn>	[1..1]	Text		1318
	SequenceNumber <SeqNb>	[0..1]	Quantity		1318
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1318

35.1.6.7.5.3 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of a digest algorithm to apply before signature.

DigestAlgorithm <DgstAlgo> contains the following **AlgorithmIdentification16** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1403

35.1.6.7.5.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "[Algorithm11Code](#)" on page 1435

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).

35.1.6.7.5.4 SignatureAlgorithm <SgntrAlgo>

Presence: [1..1]

Definition: Cryptographic digital signature algorithm.

SignatureAlgorithm <SgntrAlgo> contains the following **AlgorithmIdentification17** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1404
	Parameter <Param>	[0..1]			1404
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406

35.1.6.7.5.4.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm14Code" on page 1438

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).

35.1.6.7.5.4.2 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 **Parameter8** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1405
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1405
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406
	SaltLength <SaltLngth>	[1..1]	Quantity		1406
	TrailerField <TrlrFld>	[0..1]	Quantity		1406

35.1.6.7.5.4.2.1 DigestAlgorithm <DgstAlgo>

Presence: [1..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm11Code" on page 1435

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).

35.1.6.7.5.4.2.2 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following **AlgorithmIdentification12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1406
	Parameter <Param>	[0..1]			1406
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406

35.1.6.7.5.4.2.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1439

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).

35.1.6.7.5.4.2.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1406

35.1.6.7.5.4.2.2.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm11Code" on page 1435

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).

35.1.6.7.5.4.2.3 SaltLength <SaltLngth>

Presence: [1..1]

Definition: Length of the salt to include in the signature.

Datatype: "Number" on page 1480

35.1.6.7.5.4.2.4 TrailerField <TrlrFld>

Presence: [0..1]

Definition: Trailer field number.

Datatype: "Number" on page 1480

35.1.6.7.5.5 Signature <Sgntr>

Presence: [1..1]

Definition: Digital signature.

Datatype: "Max3000Binary" on page 1432

35.1.6.8 AuthenticatedData4

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		1407
	Recipient <Rcpt>	[1..*]	±		1407
	MACAlgorithm <MACAlgo>	[1..1]	±		1409
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1409
	MAC <MAC>	[1..1]	Binary		1409

35.1.6.8.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1480

35.1.6.8.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or protection key identification used by the recipient.

Recipient <Rcpt> contains one of the following elements (see "Recipient4Choice" on page 1409 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1411
	Version <Vrsn>	[0..1]	Quantity		1411
	RecipientIdentification <RcptId>	[1..1]			1411
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1412
	Issuer <Issr>	[1..1]			1412
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413
	SerialNumber <SrlNb>	[1..1]	Binary		1413
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1413
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1414
	Algorithm <Algo>	[1..1]	CodeSet		1414
	Parameter <Param>	[0..1]			1414
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1415
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1415
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1415
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1417
Or	KEK <KEK>	[1..1]			1417
	Version <Vrsn>	[0..1]	Quantity		1417
	KEKIdentification <KEKId>	[1..1]	±		1417
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1418
	Algorithm <Algo>	[1..1]	CodeSet		1418
	Parameter <Param>	[0..1]			1419
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1419
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1419
	BytePadding <BPddg>	[0..1]	CodeSet		1419
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1420

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1420

35.1.6.8.3 MACAlgorithm <MACAlgo>

Presence: [1..1]

Definition: Algorithm to compute message authentication code (MAC).

MACAlgorithm <MACAlgo> contains the following elements (see "[AlgorithmIdentification15](#)" on page 1420 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1420
	Parameter <Param>	[0..1]			1421
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1422
	BytePadding <BPddg>	[0..1]	CodeSet		1422

35.1.6.8.4 EncapsulatedContent <NcpsltdCntt>

Presence: [1..1]

Definition: Data to authenticate.

EncapsulatedContent <NcpsltdCntt> contains the following elements (see "[EncapsulatedContent3](#)" on page 1394 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1394
	Content <Cntt>	[0..1]	Binary		1395

35.1.6.8.5 MAC <MAC>

Presence: [1..1]

Definition: Message authentication code value.

Datatype: "[Max140Binary](#)" on page 1432

35.1.6.9 Recipient4Choice

Definition: Transport key or key encryption key (KEK) for the recipient.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1411
	Version <Vrsn>	[0..1]	Quantity		1411
	RecipientIdentification <RcptId>	[1..1]			1411
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1412
	Issuer <Issr>	[1..1]			1412
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413
	SerialNumber <SrlNb>	[1..1]	Binary		1413
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1413
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1414
	Algorithm <Algo>	[1..1]	CodeSet		1414
	Parameter <Param>	[0..1]			1414
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1415
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1415
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1415
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1417
Or	KEK <KEK>	[1..1]			1417
	Version <Vrsn>	[0..1]	Quantity		1417
	KEKIdentification <KEKId>	[1..1]	±		1417
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1418
	Algorithm <Algo>	[1..1]	CodeSet		1418
	Parameter <Param>	[0..1]			1419
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1419
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1419
	BytePadding <BPddg>	[0..1]	CodeSet		1419
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1420
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1420

35.1.6.9.1 KeyTransport <KeyTrnsprt>

Presence: [1..1]

Definition: Encryption key using previously distributed asymmetric public key.

KeyTransport <KeyTrnsprt> contains the following **KeyTransport4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1411
	RecipientIdentification <RcptId>	[1..1]			1411
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1412
	Issuer <Issr>	[1..1]			1412
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413
	SerialNumber <SrlNb>	[1..1]	Binary		1413
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1413
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1414
	Algorithm <Algo>	[1..1]	CodeSet		1414
	Parameter <Param>	[0..1]			1414
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1415
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1415
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1415
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1417

35.1.6.9.1.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1480

35.1.6.9.1.2 RecipientIdentification <RcptId>

Presence: [1..1]

Definition: Identification of a cryptographic asymmetric key for the recipient.

RecipientIdentification <RcptId> contains one of the following **Recipient5Choice** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1412
	Issuer <Issr>	[1..1]			1412
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413
	SerialNumber <SrlNb>	[1..1]	Binary		1413
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1413

35.1.6.9.1.2.1 IssuerAndSerialNumber <IssrAndSrlNb>

Presence: [1..1]

Definition: Certificate issuer name and serial number (see ITU X.509).

IssuerAndSerialNumber <IssrAndSrlNb> contains the following **IssuerAndSerialNumber1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Issuer <Issr>	[1..1]			1412
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413
	SerialNumber <SrlNb>	[1..1]	Binary		1413

35.1.6.9.1.2.1.1 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..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413

35.1.6.9.1.2.1.1.1 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		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413

35.1.6.9.1.2.1.1.1.1 AttributeType <AttrTp>

Presence: [1..1]

Definition: Type of attribute of a distinguished name (see X.500).

Datatype: "AttributeType1Code" on page 1454

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).

35.1.6.9.1.2.1.1.1.2 AttributeValue <AttrVal>

Presence: [1..1]

Definition: Value of the attribute of a distinguished name (see X.500).

Datatype: "Max140Text" on page 1482

35.1.6.9.1.2.1.2 SerialNumber <SrINb>

Presence: [1..1]

Definition: Certificate serial number (see X.509).

Datatype: "Max35Binary" on page 1433

35.1.6.9.1.2.2 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identifier of a cryptographic asymmetric key, previously exchanged between initiator and recipient.

KeyIdentifier <KeyIdr> contains the following elements (see "[KEKIdentifier2](#)" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1318
	KeyVersion <KeyVrsn>	[1..1]	Text		1318
	SequenceNumber <SeqNb>	[0..1]	Quantity		1318
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1318

35.1.6.9.1.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1414
	Parameter <Param>	[0..1]			1414
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1415
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1415
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1415
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416

35.1.6.9.1.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Asymmetric encryption algorithm of a transport key.

Datatype: "[Algorithm7Code](#)" on page 1439

CodeName	Name	Definition
ERSA	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSOA	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

35.1.6.9.1.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters of the encryption algorithm.

Parameter <Param> contains the following **Parameter4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1415
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1415
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1415
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416

35.1.6.9.1.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat1Code" on page 1461

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.

35.1.6.9.1.3.2.2 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Identification of the digest algorithm.

Datatype: "Algorithm11Code" on page 1435

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).

35.1.6.9.1.3.2.3 MaskGeneratorAlgorithm <MskGnrtrAlgo>

Presence: [0..1]

Definition: Mask generator function cryptographic algorithm and parameters.

MaskGeneratorAlgorithm <MskGnrtrAlgo> contains the following **AlgorithmIdentification12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416

35.1.6.9.1.3.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Mask generator function cryptographic algorithm.

Datatype: "Algorithm8Code" on page 1439

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).

35.1.6.9.1.3.2.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the mask generator function cryptographic algorithm.

Parameter <Param> contains the following **Parameter5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416

35.1.6.9.1.3.2.3.2.1 DigestAlgorithm <DgstAlgo>

Presence: [0..1]

Definition: Digest algorithm used in the mask generator function.

Datatype: "Algorithm11Code" on page 1435

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).

35.1.6.9.1.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max5000Binary" on page 1433

35.1.6.9.2 KEK <KEK>

Presence: [1..1]

Definition: Key encryption key using previously distributed symmetric key.

KEK <KEK> contains the following **KEK4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1417
	KEKIdentification <KEKId>	[1..1]	±		1417
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1418
	Algorithm <Algo>	[1..1]	CodeSet		1418
	Parameter <Param>	[0..1]			1419
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1419
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1419
	BytePadding <BPddg>	[0..1]	CodeSet		1419
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1420

35.1.6.9.2.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1480

35.1.6.9.2.2 KEKIdentification <KEKId>

Presence: [1..1]

Definition: Identification of the key encryption key (KEK).

KEKIdentification <KEKId> contains the following elements (see "KEKIdentifier2" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1318
	KeyVersion <KeyVrsn>	[1..1]	Text		1318
	SequenceNumber <SeqNb>	[0..1]	Quantity		1318
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1318

35.1.6.9.2.3 KeyEncryptionAlgorithm <KeyNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm to encrypt the key encryption key (KEK).

KeyEncryptionAlgorithm <KeyNcrptnAlgo> contains the following **AlgorithmIdentification13** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1418
	Parameter <Param>	[0..1]			1419
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1419
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1419
	BytePadding <BPddg>	[0..1]	CodeSet		1419

35.1.6.9.2.3.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the algorithm.

Datatype: "Algorithm13Code" on page 1437

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).
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).
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 -

CodeName	Name	Definition
		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).

35.1.6.9.2.3.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the encryption algorithm.

Parameter <Param> contains the following **Parameter6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1419
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1419
	BytePadding <BPddg>	[0..1]	CodeSet		1419

35.1.6.9.2.3.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat1Code" on page 1461

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.

35.1.6.9.2.3.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1433

35.1.6.9.2.3.2.3 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 1455

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.

CodeName	Name	Definition
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.

35.1.6.9.2.4 EncryptedKey <NcrptdKey>

Presence: [1..1]

Definition: Encrypted key encryption key (KEK).

Datatype: "Max500Binary" on page 1433

35.1.6.9.3 KeyIdentifier <Keyldr>

Presence: [1..1]

Definition: Identification of a protection key without a session key, shared and previously exchanged between the initiator and the recipient.

KeyIdentifier <Keyldr> contains the following elements (see "KEKIdentifier2" on page 1318 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <Keyld>	[1..1]	Text		1318
	KeyVersion <KeyVrsn>	[1..1]	Text		1318
	SequenceNumber <SeqNb>	[0..1]	Quantity		1318
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1318

35.1.6.10 AlgorithmIdentification15

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		1420
	Parameter <Param>	[0..1]			1421
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1422
	BytePadding <BPddg>	[0..1]	CodeSet		1422

35.1.6.10.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the MAC algorithm.

Datatype: "Algorithm12Code" on page 1436

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.

35.1.6.10.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated to the MAC algorithm.

Parameter <Param> contains the following **Parameter7** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1422
	BytePadding <BPddg>	[0..1]	CodeSet		1422

35.1.6.10.2.1 InitialisationVector <InitlStnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1433

35.1.6.10.2.2 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 1455

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.

35.1.6.11 EnvelopedData4

Definition: Encrypted data with encryption key.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1423
	Recipient <Rcpt>	[1..*]	±		1423
	EncryptedContent <NcrptdCntt>	[0..1]			1425
	ContentType <CnttTp>	[1..1]	CodeSet		1425
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1425
	Algorithm <Algo>	[1..1]	CodeSet		1426
	Parameter <Param>	[0..1]			1426
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1427
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1427
	BytePadding <BPddg>	[0..1]	CodeSet		1427
	EncryptedData <NcrptdData>	[1..1]	Binary		1427

35.1.6.11.1 Version <Vrsn>

Presence: [0..1]

Definition: Version of the data structure.

Datatype: "Number" on page 1480

35.1.6.11.2 Recipient <Rcpt>

Presence: [1..*]

Definition: Session key or identification of the protection key used by the recipient.

Recipient <Rcpt> contains one of the following elements (see "Recipient4Choice" on page 1409 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1411
	Version <Vrsn>	[0..1]	Quantity		1411
	RecipientIdentification <RcptId>	[1..1]			1411
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1412
	Issuer <Issr>	[1..1]			1412
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1412
	AttributeType <AttrTp>	[1..1]	CodeSet		1413
	AttributeValue <AttrVal>	[1..1]	Text		1413
	SerialNumber <SrlNb>	[1..1]	Binary		1413
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1413
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1414
	Algorithm <Algo>	[1..1]	CodeSet		1414
	Parameter <Param>	[0..1]			1414
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1415
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1415
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1415
	Algorithm <Algo>	[1..1]	CodeSet		1416
	Parameter <Param>	[0..1]			1416
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1416
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1417
Or	KEK <KEK>	[1..1]			1417
	Version <Vrsn>	[0..1]	Quantity		1417
	KEKIdentification <KEKId>	[1..1]	±		1417
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1418
	Algorithm <Algo>	[1..1]	CodeSet		1418
	Parameter <Param>	[0..1]			1419
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1419
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1419
	BytePadding <BPddg>	[0..1]	CodeSet		1419
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1420

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1420

35.1.6.11.3 EncryptedContent <NcrptdCntt>

Presence: [0..1]

Definition: Data protection by encryption (digital envelope), with an encryption key.

EncryptedContent <NcrptdCntt> contains the following **EncryptedContent3** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1425
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1425
	Algorithm <Algo>	[1..1]	CodeSet		1426
	Parameter <Param>	[0..1]			1426
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1427
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1427
	BytePadding <BPddg>	[0..1]	CodeSet		1427
	EncryptedData <NcrptdData>	[1..1]	Binary		1427

35.1.6.11.3.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data which have been encrypted.

Datatype: "ContentType2Code" on page 1458

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).

35.1.6.11.3.2 ContentEncryptionAlgorithm <CnttNcrptnAlgo>

Presence: [1..1]

Definition: Algorithm used to encrypt the data.

ContentEncryptionAlgorithm <CnntNcrptnAlgo> contains the following **AlgorithmIdentification14** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1426
	Parameter <Param>	[0..1]			1426
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1427
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1427
	BytePadding <BPddg>	[0..1]	CodeSet		1427

35.1.6.11.3.2.1 Algorithm <Algo>

Presence: [1..1]

Definition: Identification of the encryption algorithm.

Datatype: "Algorithm15Code" on page 1438

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).
EA9C	AES192CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EA5C	AES256CBC	AES (Advanced Encryption Standard) CBC (Chaining Block Cypher) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).

35.1.6.11.3.2.2 Parameter <Param>

Presence: [0..1]

Definition: Parameters associated with the CBC (Chain Block Chaining) encryption algorithm.

Parameter <Param> contains the following **Parameter6** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1427
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1427
	BytePadding <BPddg>	[0..1]	CodeSet		1427

35.1.6.11.3.2.2.1 EncryptionFormat <NcrptnFrmt>

Presence: [0..1]

Definition: Format of data before encryption, if the format is not plaintext or implicit.

Datatype: "EncryptionFormat1Code" on page 1461

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.

35.1.6.11.3.2.2.2 InitialisationVector <InitlstnVctr>

Presence: [0..1]

Definition: Initialisation vector of a cipher block chaining (CBC) mode encryption.

Datatype: "Max500Binary" on page 1433

35.1.6.11.3.2.2.3 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 1455

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.

35.1.6.11.3.3 EncryptedData <NcrptdData>

Presence: [1..1]

Definition: Encrypted data, result of the content encryption.

Datatype: "Max100KBinary" on page 1432

35.1.6.12 ContentInformationType10

Definition: General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1428
	EnvelopedData <EnvlpdData>	[1..1]	±		1428

35.1.6.12.1 ContentType <CnttTp>

Presence: [1..1]

Definition: Type of data protection.

Datatype: "ContentType2Code" on page 1458

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).

35.1.6.12.2 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 "EnvelopedData4" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1423
	Recipient <Rcpt>	[1..*]	±		1423
	EncryptedContent <NcrptdCntt>	[0..1]			1425
	ContentType <CnttTp>	[1..1]	CodeSet		1425
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1425
	Algorithm <Algo>	[1..1]	CodeSet		1426
	Parameter <Param>	[0..1]			1426
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1427
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1427
	BytePadding <BPddg>	[0..1]	CodeSet		1427
	EncryptedData <NcrptdData>	[1..1]	Binary		1427

35.1.7 Postal Address

35.1.7.1 PostalAddress1

Definition: Information that locates and identifies a specific address, as defined by postal services.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1429
	AddressLine <AdrLine>	[0..5]	Text		1430
	StreetName <StrtNm>	[0..1]	Text		1430
	BuildingNumber <BldgNb>	[0..1]	Text		1430
	PostCode <PstCd>	[0..1]	Text		1430
	TownName <TwnNm>	[0..1]	Text		1430
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1430
	Country <Ctry>	[1..1]	CodeSet	C1	1431

35.1.7.1.1 AddressType <AdrTp>

Presence: [0..1]

Definition: Identifies the nature of the postal address.

Datatype: "AddressType2Code" on page 1435

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.

35.1.7.1.2 AddressLine <AdrLine>

Presence: [0..5]

Definition: Information that locates and identifies a specific address, as defined by postal services, that is presented in free format text.

Datatype: "Max70Text" on page 1485

35.1.7.1.3 StreetName <StrtNm>

Presence: [0..1]

Definition: Name of a street or thoroughfare.

Datatype: "Max70Text" on page 1485

35.1.7.1.4 BuildingNumber <BldgNb>

Presence: [0..1]

Definition: Number that identifies the position of a building on a street.

Datatype: "Max16Text" on page 1482

35.1.7.1.5 PostCode <PstCd>

Presence: [0..1]

Definition: Identifier consisting of a group of letters and/or numbers that is added to a postal address to assist the sorting of mail.

Datatype: "Max16Text" on page 1482

35.1.7.1.6 TownName <TwnNm>

Presence: [0..1]

Definition: Name of a built-up area, with defined boundaries, and a local government.

Datatype: "Max35Text" on page 1483

35.1.7.1.7 CountrySubDivision <CtrySubDvsn>

Presence: [0..1]

Definition: Identifies a subdivision of a country for example, state, region, county.

Datatype: "Max35Text" on page 1483

35.1.7.1.8 Country <Ctry>

Presence: [1..1]

Definition: Nation with its own government.

Impacted by: C1 "Country"

Datatype: "CountryCode" on page 1458

Constraints

- **Country**

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

35.2 Message Datatypes

35.2.1 Amount

35.2.1.1 CurrencyAndAmount

Definition: Number of monetary units specified in a currency, where the unit of currency is explicit and compliant with ISO 4217. The decimal separator is a dot.

Note: A zero amount is considered a positive amount.

Type: Amount

This data type contains the following XML attribute:

Name	Attribute XML Name	Datatype
Currency	Ccy	"CurrencyCode" on page 1460

Format

minInclusive	0
totalDigits	18
fractionDigits	5

Constraints

- **ValidationByTable**

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

35.2.1.2 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

35.2.2 Binary

35.2.2.1 Max10000Binary

Definition: Specifies a binary string with a maximum length of 10000 binary bytes.

Type: Binary

Format	
minLength	1
maxLength	10000

35.2.2.2 Max100KBinary

Definition: Binary data of 100K maximum.

Type: Binary

Format	
minLength	1
maxLength	102400

35.2.2.3 Max140Binary

Definition: Specifies a binary string with a maximum length of 140 binary bytes.

Type: Binary

Format	
minLength	1
maxLength	140

35.2.2.4 Max3000Binary

Definition: Specifies a binary string with a maximum length of 3000 binary bytes.

Type: Binary

Format	
minLength	1
maxLength	3000

35.2.2.5 Max35Binary

Definition: Specifies a binary string with a maximum length of 35 binary bytes.

Type: Binary

Format

minLength	1
maxLength	35

35.2.2.6 Max5000Binary

Definition: Specifies a binary string with a maximum length of 5000 binary bytes.

Type: Binary

Format

minLength	1
maxLength	5000

35.2.2.7 Max500Binary

Definition: Specifies a binary string with a maximum length of 500 binary bytes.

Type: Binary

Format

minLength	1
maxLength	500

35.2.2.8 Min5Max16Binary

Definition: Specifies a binary string with a minimum length of 5 bytes, and a maximum length of 16 bytes.

Type: Binary

Format

minLength	5
maxLength	16

35.2.3 CodeSet

35.2.3.1 AccountChoiceMethod1Code

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

Type: CodeSet

CodeName	Name	Definition
ACSL	AccountSelected	Account selected in an account list.

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

35.2.3.2 ActionType6Code

Definition: Type of action to be performed.

Type: CodeSet

CodeName	Name	Definition
DCCQ	AcceptCurrencyConversion	Ask the cardholder to accept the currency conversion.
FEES	AcceptFees	Fees must be accepted.
HAMT	AcceptHigherAmount	MinimumAmount must be accepted.
LAMT	AcceptLowerAmount	MaximumAuthorisedAmount must be accepted.
BUSY	Busy	Server busy, try later.
CPTR	CaptureCard	Capture the card.
DISP	DisplayMessage	Message to display, print or log.
CPNS	DistributeCoupon	Distribute a coupon from the cassette of coupon.
RQST	PerformRequest	Request to be performed by the ATM.
PINL	PINLastTry	Last PIN (Personal Identification Number) try.
PINR	PINRetry	PIN (Personal Identification Number) is wrong, retry a PIN verification.
TRCK	UpdateTrack	Track provided in the response must be updated on the card.

35.2.3.3 ActivationStatus2Code

Definition: Status of a configuration.

Type: CodeSet

CodeName	Name	Definition
WACT	AwaitingActivation	The configuration download was successful and is now awaiting a future activation date.
FAIL	Fail	The configuration update has failed.

35.2.3.4 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.

35.2.3.5 AddressType2Code

Definition: Specifies the type of address.

Type: CodeSet

CodeName	Name	Definition
ADDR	Postal	Address is the complete postal address.
PBOX	POBox	Address is a postal office (PO) box.
HOME	Residential	Address is the home address.
BIZZ	Business	Address is the business address.
MLTO	MailTo	Address is the address to which mail is sent.
DLVY	DeliveryTo	Address is the address to which delivery is to take place.

35.2.3.6 Algorithm11Code

Definition: Identification of a digest algorithm.

Type: CodeSet

CodeName	Name	Definition
HS25	SHA256	Message digest algorithm SHA-256 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha256).
HS38	SHA384	Message digest algorithm SHA-384 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha384).
HS51	SHA512	Message digest algorithm SHA-512 as defined in FIPS 180-1 and 2 - (ASN.1 Object Identifier: id-sha512).

CodeName	Name	Definition
HS01	SHA1	The DEPRECATED Message digest algorithm SHA-1 as defined in FIPS 180-1 - (ASN.1 Object Identifier: id-sha1).

35.2.3.7 Algorithm12Code

Definition: Cryptographic algorithms for the MAC (Message Authentication Code).

Type: CodeSet

CodeName	Name	Definition
MACC	RetailCBCMAC	Retail CBC (Chaining Block Cypher) MAC (Message Authentication Code) (cf. ISO 9807, ANSI X9.19) - (ASN.1 Object Identifier: id-retail-cbc-mac).
MCCS	RetailSHA256MAC	Retail-CBC-MAC with SHA-256 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-256).
CMA1	SHA256CMACwithAES128	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 128 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-256 digest of the message.
MCC1	RetailSHA1MAC	The DEPRECATED Retail-CBC-MAC with SHA-1 (Secure Hash standard) - (ASN.1 Object Identifier: id-retail-cbc-mac-sha-1).
CMA9	SHA384CMACwithAES192	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 192 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-384 digest of the message.

CodeName	Name	Definition
CMA5	SHA512CMACwithAES256	CMAC (Cipher based Message Authentication Code) defined by the National Institute of Standards and Technology (NIST 800-38B - May 2005), using the block cipher Advanced Encryption Standard with a 256 bits cryptographic key, approved by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard). The CMAC algorithm is computed on the SHA-512 digest of the message.

35.2.3.8 Algorithm13Code

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).
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).
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).

CodeName	Name	Definition
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).

35.2.3.9 Algorithm14Code

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).

35.2.3.10 Algorithm15Code

Definition: Cryptographic algorithms for encryptions with a symmetric cryptographic key.

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).
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).

CodeName	Name	Definition
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).

35.2.3.11 Algorithm7Code

Definition: Asymmetric encryption algorithm of a transport key.

Type: CodeSet

CodeName	Name	Definition
ERSA	RSASignature	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSOA	RSASignature	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSASignature).

35.2.3.12 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).

35.2.3.13 ATMAccountUsage1Code

Definition: Type of usage for an account.

Type: CodeSet

CodeName	Name	Definition
BOTH	Both	Can be both the source and the destination account.
DSTN	Destination	Destination account.
SRCE	Source	Source account.

35.2.3.14 ATMActionType1Code

Definition: Type of action that could be run on a configuration.

Type: CodeSet

CodeName	Name	Definition
APLY	Apply	The received configuration must be applied.
NONE	None	There is no specific action required with the received configuration.

35.2.3.15 ATMCassetteStatus1Code

Definition: Status of a cassette in an ATM.

Type: CodeSet

CodeName	Name	Definition
CUOK	Ok	The cash unit is in a good state.
CUFL	Full	The cash unit is full.
CUHG	High	The cash unit is high, that is it has reached or exceeded the threshold defined for this cassette.
CULW	Low	The cash unit is low, that is it has reached or is below the threshold defined for this cassette.
CUMT	Empty	The cash unit is empty.
CUNP	Inoperative	The cash unit is inoperative.
CUMS	Missing	The cash unit is missing.
CUNA	NotAvailable	The values of this cash unit are not available.
CUNR	NoReference	There are no reference values available for this cash unit.
CUMP	Manipulated	The device has been inserted when the device was not in an exchange state.

35.2.3.16 ATMCassetteType1Code

Definition: Type of cassette.

Type: CodeSet

CodeName	Name	Definition
DPST	In	Cassette for deposits.
DISP	Out	Cassette for dispense.
RCYC	Recycling	Cassette for recycling.
RJCT	Reject	Cassette for reject.
RPLT	Replenishment	Cassette for replenishment.
RTRC	Retract	Cassette for retract.

35.2.3.17 ATMCommand4Code

Definition: Type of command to be performed by an ATM.

Type: CodeSet

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
SNDM	SendMessage	Send a specific message to initiate a process.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

35.2.3.18 ATMCommand5Code

Definition: Type of command performed by the ATM.

Type: CodeSet

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
CCNT	CountersInquiry	Request the value of the ATM counters.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

35.2.3.19 ATMCommand7Code

Definition: Type of command performed by the ATM.

Type: CodeSet

CodeName	Name	Definition
ABAL	ATMBalance	Provide the ATM counters, resetting those that are applicable.
ASTS	ATMStatusUpdate	Status of the ATM required by the ATM manager.
CFGT	ConfigurationUpdate	Update the ATM configuration parameters.
CCNT	CountersInquiry	Request the value of the ATM counters.
DISC	Disconnect	Perform a disconnection followed by a reconnection.
KACT	KeyActivation	Activate cryptographic keys.
KDAC	KeyDeactivation	Deactivate cryptographic keys.
KDWL	KeyDownload	Start a cryptographic key download.

CodeName	Name	Definition
KRMV	KeyRemove	Remove cryptographic keys.
SCFU	SecurityDeviceConfigurationUpdate	Update the configuration of the hardware security module on the ATM.
SSCU	SecurityDeviceSchemeUpdate	Update the security scheme of the hardware security module on the ATM.
SSTU	SecurityDeviceStatusUpdate	Update the status of the hardware security module on the ATM.
SNDM	SendMessage	Send a specific message to initiate a process.
HKCG	HLAKeyReplace	Replace an existing key using a Higher Level Authority (HLA) key. In the TR34 scheme this would be used to implement a HLA Rebind operation.
HKRV	HLAKeyRemove	Remove a cryptographic key using a Higher Level Authority key (HLA). In the TR34 scheme this would be used to implement a HLA Unbind operation.
KCHG	KeyReplace	Replaces an existing cryptographic key. In a TR34 scheme this would be used to implement a Rebind operation.
RREQ	ReconciliationRequest	Send a ReconciliationRequest message.

35.2.3.20 ATMCommandReason1Code

Definition: Reason for sending the command.

Type: CodeSet

CodeName	Name	Definition
DIAG	Diagnostic	Request the status of or action from the ATM to perform a diagnostic.
MONI	Monitoring	Supervise the ATM.
SECU	SecurityError	Security error.
SYNC	Synchronisation	Desynchronisation of dialogue between entities.
UPDT	Update	Update the ATM.

35.2.3.21 ATMCounterType2Code

Definition: Type of ATM cassette counters.

Type: CodeSet

CodeName	Name	Definition
BDAY	BusinessDay	Counters since the beginning of the business day.
INQU	CountersInquiry	Counters since the last counters inquiry.
CTOF	CutOff	Counters since the last cut-off.

CodeName	Name	Definition
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.

35.2.3.22 ATMCounterType3Code

Definition: Type of ATM cassette counters.

Type: CodeSet

CodeName	Name	Definition
INQU	CountersInquiry	Counters since the last counters inquiry.
CTXN	CustomerTransaction	Counters for a customer transaction.
CTOF	CutOff	Counters since the last cut-off.
BDAY	BusinessDay	Counters since the beginning of the business day.
PRTN	Operation	Counters as a result of some replenishment operation carried out by an operator (for example adding cash to a cash unit).
OPER	OperatorAdjust	Counters since the last update by an operator on the ATM.
SLRP	SinceLastReplenishmentPoint	Counters since last replenishment point.

35.2.3.23 ATMCustomerProfile1Code

Definition: Describes the main way customer information was collected to build up the customer menu and the withdrawal request.

Type: CodeSet

CodeName	Name	Definition
CRDF	CardInformation	Customer profile is deduced from the card data and the local configuration.
OREQ	OtherRequest	Customer profile is sent via an account enquiry selecting an account.
PREQ	ProfileRequest	Customer profile is built via a specific profile message exchange.

35.2.3.24 ATMDevice1Code

Definition: ATM device to output message.

Type: CodeSet

CodeName	Name	Definition
CDIS	CustomerConsole	Customer display and keyboard.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
JRNL	Journal	Event log.

CodeName	Name	Definition
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

35.2.3.25 ATMDevice2Code

Definition: List of ATM devices.

Type: CodeSet

CodeName	Name	Definition
ALRM	AlarmSensors	Alarm sensors, such as tamper, seismic or heat sensors.
BRCD	BarCodeReader	Device scanning barcodes using any scanning technology.
CAMR	Camera	Camera, recorder, video mixer.
CRDD	CardDispenser	Device dispensing card to a consumer.
CRDR	CardUnit	Device to read and optionally write card with various entry modes.
CSHD	CashDispenser	Device dispensing cash in an automated environment, or with an operator present.
CSHI	CashInModule	Device accepting in-out of items as coupons, documents, bills and coins.
CSHR	CashRecycler	Compound device with cash in module, cash dispenser, and cash exchange.
CHCK	CheckReader	Check reader and check image scanner.
CDIS	CustomerConsole	Customer display and keyboard.
DPST	Deposit	Device for the deposit of media in envelopes or deposit of bags containing bulk media.
DPRN	DocumentPrinter	Printer for full-size forms documents and supporting the printing of text and graphic.
DOOR	DoorSensors	Door sensors, such as cabinet, safe or vandal shield doors.
INPM	InputProcessingModule	Self service device processing items.
JRNL	Journal	Event log.
JPRN	JournalPrinter	Continuous form device used to record a hardcopy audit trail of transactions, and for certain report printing requirements.
SNSR	OtherSensor	Other sensors and indicators unit.
PSBK	PassbookPrinter	Passbook device supporting automatic positioning of the book.

CodeName	Name	Definition
PINR	PINKeypad	Hardware security module allowing the PIN (Personal Identification Number) entry, secure storing of cryptographic keys, and other cryptographic functions.
RPRN	ReceiptPrinter	Receipt printer used to print cut sheet documents.
SCAN	ScannerPrinter	Device incorporating both the capabilities to scan inserted documents and optionally to print on them.
RWDR	WithdrawalReceipt	Receipt of the withdrawal transactions.

35.2.3.26 ATMMediaStatus1Code

Definition: Type of result after a media processing.

Type: CodeSet

CodeName	Name	Definition
ACPT	Accepted	Item (such as a check) has been accepted.
REJT	Rejected	Item (such as a check) has been rejected.

35.2.3.27 ATMMediaType1Code

Definition: Type of media inside an ATM cassette.

Type: CodeSet

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.

35.2.3.28 ATMMediaType3Code

Definition: Category of media items.

Type: CodeSet

CodeName	Name	Definition
CNTR	Counterfeit	Detected counterfeit media.
FITN	Fit	Fit media.

CodeName	Name	Definition
FITU	FitAndUnfit	Fit or unfit media, if fitness cannot be determined.
SPCT	Suspect	Suspect media.
UNFT	Unfit	Unfit media (unacceptable quality).
UNRG	Unrecognised	Unrecognised media.

35.2.3.29 ATMMediaType4Code

Definition: Type of media inside an ATM cassette.

Type: CodeSet

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.
CPNS	Coupons	Coupon media.
NOTE	Notes	Bank note media.
STMP	Stamps	Stamp media.
UDTM	Undetermined	Undetermined medias.
CHCK	Check	Check media.
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

35.2.3.30 ATMNoteType1Code

Definition: Type of items the cash-in cassette.

Type: CodeSet

CodeName	Name	Definition
ALLT	All	All fit bank note types.
CNTR	Counterfeit	Detected counterfeit notes.
IDVD	Individual	All types of fit bank notes specified in an individual list.
SCNT	SuspectedCounterfeit	Suspected counterfeit notes.
UNFT	Unfit	Unfit bank notes (unacceptable quality).

35.2.3.31 ATMOperation2Code

Definition: Type of logical or physical operation on an ATM.

Type: CodeSet

CodeName	Name	Definition
ADJU	Adjust	Adjust logical counters of the cassette.
INSR	InsertMedia	Add physically media to cassette.
LOAD	Loading	Loading cassette.
REMV	RemoveMedia	Substract physically media from cassette.
UNLD	Unloading	Unloading cassette.
RCUP	RemoteCounterUpdate	Remotely updating an ATM counter.
SWAP	Swap	Unload all cassettes, and load a new set of cassettes to replace these. The Cassette structures determines what was removed and what was added.

35.2.3.32 ATMPropertyType1Code

Definition: Encoding type of the property.

Type: CodeSet

CodeName	Name	Definition
STRG	String	The property is encoded as a String.
NMBR	Number	The property is encoded as a Number.
BOOL	Boolean	The property is encoded as a Boolean.
JSON	JSON	The property is encoded in JSON.
CSVF	CSV	The property is a CSV string representing a table of data.

35.2.3.33 ATMSecurityScheme3Code

Definition: Key exchange security scheme in activation on the ATM for the host manager.

Type: CodeSet

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxemburg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).

CodeName	Name	Definition
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
NONE	Unitialised	No key exchange performed, no security scheme defined.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

35.2.3.34 ATMSecurityScheme4Code

Definition: Key exchange security schemes implemented in the hardware security module of the ATM.

Type: CodeSet

CodeName	Name	Definition
APPK	ApplicationRemoteKeyLoading	Application key download protected by a share symmetric key.
CERT	CertificateRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a certificate.
FRAN	FrenchRemoteKeyLoading	Key download conform to the French ATM key download security scheme.
DTCH	GermanRemoteKeyLoading	Key download conform to the German ATM key download security scheme.
LUXG	LuxemburgRemoteKeyLoading	Key download conform to the Luxembourg ATM key download security scheme.
MANU	ManualKeyEntry	Manual key entry on the ATM.
PKIP	PKIKeyDownload	Key download protected by asymmetric keys authenticated by a PKI (Public Key Infrastructure).
SIGN	SignatureRemoteKeyLoading	Key download protected by asymmetric keys authenticated by a digital signature.
TR34	TR34	ANSI X9 TR34 2012 scheme for the distribution of the symmetric public keys and the initial master key.

35.2.3.35 ATMSERVICEType11Code

Definition: Describes the type of service selected by the customer.

Type: CodeSet

CodeName	Name	Definition
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
TRFP	Payment	Funds transfer to pay a third party.

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
CDVF	CardVerification	Verification of the card.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
CMPF	CustomerProfile	Ask for customer profile with eventually related account information.
DCCS	DynamicCurrencyConversion	Ask to a DCC service provider to qualify the currency conversion for the card.
XRTD	ExchangeRateDeposit	Ask for exchange rate for the ongoing deposit transaction.
XRTW	ExchangeRateWithdrawal	Ask for exchange rate for the ongoing withdrawal transaction.
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
EMVS	SelectEMVApplication	Select the EMV applications allowed by the acquirer.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
ACCD	AccountDownload	Download accounts associated to the customer card.
MINI	MiniStatement	Request a mini-statement (i.e. partial statement) related to a customer account.

35.2.3.36 ATMSERVICEType12Code

Definition: Describes the type of inquiry selected by the customer or the ATM.

Type: CodeSet

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
CDVF	CardVerification	Verification of the card.
DCCS	DynamicCurrencyConversion	Ask to a DCC service provider to qualify the currency conversion for the card.
XRTD	ExchangeRateDeposit	Ask for exchange rate for the ongoing deposit transaction.
XRTW	ExchangeRateWithdrawal	Ask for exchange rate for the ongoing withdrawal transaction.
EMVS	SelectEMVApplication	Select the EMV applications allowed by the acquirer.
CMPF	CustomerProfile	Ask for customer profile with eventually related account information.
BLCQ	BalanceInquiry	Balance inquiry.
ACCD	AccountDownload	Download accounts associated to the customer card.
MINI	MiniStatement	Request a mini-statement (i.e. partial statement) related to a customer account.

35.2.3.37 ATMSERVICEType13Code

Definition: Type of service to be offered for a customer at an ATM.

Type: CodeSet

CodeName	Name	Definition
ASTS	AccountStatements	Request a full statement (that is a legal statement) related to a customer account.
BLCQ	BalanceInquiry	Balance inquiry.
PINC	PINChange	Modification of the card PIN value.
STDR	StandardWithdrawal	Standard withdrawal of items.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorized by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
MCHG	MakingChange	Making change between media types.

CodeName	Name	Definition
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
TRFP	Payment	Funds transfer to pay a third party.

35.2.3.38 ATMSERVICEType1Code

Definition: Describes the type of withdrawal selected by the customer.

Type: CodeSet

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.

35.2.3.39 ATMSERVICEType5Code

Definition: Describes the type of service selected by the customer.

Type: CodeSet

CodeName	Name	Definition
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.

35.2.3.40 ATMSERVICEType6Code

Definition: Describes the type of deposit service selected by the customer.

Type: CodeSet

CodeName	Name	Definition
MCHG	MakingChange	Making change between media types.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.

CodeName	Name	Definition
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.

35.2.3.41 ATMSERVICE7CODE

Definition: Describes the type of ATM transaction selected by the customer.

Type: CodeSet

CodeName	Name	Definition
CHSN	ChosenWithdrawal	Amount and notes values are chosen by the customer.
PINC	PINChange	Modification of the card PIN value.
PINR	PINRecovery	Resetting of a PIN.
PINU	PINUnblock	Unblock the PIN.
PATH	PreAuthorisedWithdrawal	Withdrawal transaction was pre-authorised by another channel, for instance a mobile. The amount could be absent from the withdrawal request message.
PRFL	ProfileWithdrawal	Amount and notes Values are pre-defined by the customer profile.
STDR	StandardWithdrawal	Standard withdrawal of items.
SPRV	SupervisedWithdrawal	Withdrawal authorised by a supervisor.
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
DPSN	NonVerifiedDeposit	Deposit of media items unverified by the ATM, for instance in an envelope.
DPSV	VerifiedDeposit	Deposit of media items verified by the ATM.
MCHG	MakingChange	Making change between media types.
TRFP	Payment	Funds transfer to pay a third party.

35.2.3.42 ATMSERVICE9CODE

Definition: Describes the type of fund transfer selected by the customer or the ATM.

Type: CodeSet

CodeName	Name	Definition
TRFC	CustomerTransfer	Funds transfer between accounts belonging to the customer in the same bank.
TRFI	InterCustomerTransfer	Funds transfer to another customer.
TRFP	Payment	Funds transfer to pay a third party.

35.2.3.43 ATMStatus1Code

Definition: Status of the ATM.

Type: CodeSet

CodeName	Name	Definition
INSV	InService	Component is in service.
OUTS	OutOfService	ATM out of service.

35.2.3.44 ATMStatus2Code

Definition: Current status of the security device.

Type: CodeSet

CodeName	Name	Definition
OPER	InOperation	Component is activated and in operation.
OUTS	OutOfService	ATM out of service.

35.2.3.45 ATMStatus3Code

Definition: Current status of the key.

Type: CodeSet

CodeName	Name	Definition
OPER	InOperation	Component is activated and in operation.
STOP	Stopped	Component has been stopped.
WACT	WaitingActivation	Component has been loaded, but not yet activated.

35.2.3.46 ATMTransactionStatus1Code

Definition: Outcome of the financial ATM transaction for the customer.

Type: CodeSet

CodeName	Name	Definition
DOBT	Doubt	Undetermined status, for instance possibly forgotten notes.
FAIL	Failure	Transaction failed.
SCSS	Success	Transaction was successfully completed.

35.2.3.47 ATMTransactionStatus2Code

Definition: Status of the amount presented to the customer in the last bundle.

Type: CodeSet

CodeName	Name	Definition
FULL	Full	Total presented amount is equal to the amount to dispense.

CodeName	Name	Definition
PART	Partial	Total presented amount is lower than the amount to dispense.
NONE	None	Total presented amount is equal to zero.

35.2.3.48 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).

35.2.3.49 AuthenticationEntity2Code

Definition: Entity or device that has performed the verification.

Type: CodeSet

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

35.2.3.50 AuthenticationMethod7Code

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.

CodeName	Name	Definition
BIOM	Biometry	Biometric authentication of the cardholder.
MOBL	Mobile	Customer mobile device.
OTHR	Other	Other customer authentication.
FPIN	OfflinePIN	Off-line PIN authentication (Personal Identification Number).
NPIN	OnLinePIN	On-line PIN authentication (Personal Identification Number).
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.

35.2.3.51 BytePadding1Code

Definition: Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

Type: CodeSet

CodeName	Name	Definition
LNGT	LengthPadding	Message to encrypt is completed by a byte value containing the total number of added bytes.
NUL8	Null80Padding	Message to encrypt is completed by one bit of value 1, followed by null bits until the encryption block length is reached.
NULG	NullLengthPadding	Message to encrypt is completed by null byte values, the last byte containing the total number of added bytes.
NULL	NullPadding	Message to encrypt is completed by null bytes.
RAND	RandomPadding	Message to encrypt is completed by random value, the last byte containing the total number of added bytes.

35.2.3.52 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.

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

35.2.3.53 CardDataReading1Code

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).

35.2.3.54 CardDataReading4Code

Definition: Capabilities of the ATM terminal performing the transaction.

Type: CodeSet

CodeName	Name	Definition
ECTL	EMVProximityReader	Contactless proximity reader, with application conform to the standard EMV (standard initiated by Europay, Mastercard and Visa).
CICC	ICC	ICC (Integrated Circuit Card) with contact containing software applications conform to ISO 7816.
MGST	MagneticStripe	Magnetic stripe.
CTLS	ProximityReader	Contactless proximity reader.

35.2.3.55 CardholderVerificationCapability3Code

Definition: Customer authentication capabilities available on an ATM.

Type: CodeSet

CodeName	Name	Definition
NPIN	OnLinePIN	Online PIN (Personal Identification Number).
FCPN	OfflinePINClear	Offline PIN in clear (Personal Identification Number).
FEPN	OfflinePINEncrypted	Offline PIN encrypted (Personal Identification Number).
FDSG	OfflineDigitalSignature	Offline digital signature analysis.
FBIO	OfflineBiometrics	Offline biometrics.
FBIG	OfflineBiographics	Offline biographics.
PKIS	PKISignature	PKI (Public Key Infrastructure) based digital signature.
PCOD	PersonalCode	Personal code of the customer for banking services.

35.2.3.56 CheckCodeLine1Code

Definition: Format of the check code line.

Type: CodeSet

CodeName	Name	Definition
CMC7	CMC7	Magnetic ink character digitally encoded with 7 sticks.
E13B	E13B	Magnetic ink character recognition., conform to ISO 1004.
OCRA	OCRA	Optical character recognition font A, conform to ANSI X3.17: 1981.

CodeName	Name	Definition
OCRB	OCRB	Optical character recognition font B, conform to ANSI X3.49: 1975.
OCRF	OCRDefault	Default optical character recognition used.

35.2.3.57 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).

35.2.3.58 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).

35.2.3.59 CryptographicKeyType4Code

Definition: Category of the cryptographic key.

Type: CodeSet

CodeName	Name	Definition
APPL	Application	Key used to protect application information.

CodeName	Name	Definition
DATA	Data	Key used to protect data in the messages.
DYNC	Dynamic	Any cryptographic key that can be downloaded.
KENC	KeyEncryption	Key used to encrypt other keys.
MACK	MAC	Key used to generate the MAC of a message.
PINK	PIN	Key used to encrypt a PIN.
WRKG	Working	Temporary key used to download keys.

35.2.3.60 CryptographicKeyType5Code

Definition: Codes for qualifying the type of cryptographic keys.

Type: CodeSet

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE3	DES112	Data encryption standard key of 112 bits (without the parity bits).
DKP9	DUKPT2009	DUKPT (Derived Unique Key Per Transaction) key, as specified in ANSI X9.24-2009 Annex A.
AES9	AES192	AES (Advanced Encryption Standard) encryption with a 192 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
AES5	AES256	AES (Advanced Encryption Standard) encryption with a 256 bits cryptographic key as defined by the Federal Information Processing Standards (FIPS 197 - November 6, 2001 - Advanced Encryption Standard).
EDE4	DES168	Data encryption standard key of 168 bits (without the parity bits).
UKA2	UKPTAES192	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).
UKA6	UKPTAES256	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 256 bits length key.

CodeName	Name	Definition
		FIPS 197 - 6 November 2001).
RSAC	RSA	Rivest, Shamir and Adleman.
ECCC	ECC	Elliptic-curve cryptography.
DKAE	DUKPTAES	DUKPT AES (Derived Unique Key Per Transaction) algorithm.
UKA8	UKPTAES128	UKPT (Unique Key Per Transaction). Encryption key using AES (Advanced Encryption Standard) with a 128 bits length key. FIPS 197 - 6 November 2001).

35.2.3.61 CurrencyCode

Definition: Code allocated to a currency, by a maintenance agency, under an international identification scheme as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds". Valid currency codes are registered with the ISO 4217 Maintenance Agency, and consist of three contiguous letters.

Type: CodeSet

Format

pattern [A-Z]{3,3}

Constraints

- **ValidationByTable**

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

35.2.3.62 CurrencyConversionResponse2Code

Definition: Result of a requested currency conversion.

Type: CodeSet

CodeName	Name	Definition
ODCC	Allowed	Dynamic currency conversion may be offered to the cardholder.
ICRD	InvalidCard	The card is not valid for dynamic currency conversion.
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.
IAMG	InvalidATMManager	The ATM manager is not valid for dynamic currency conversion.

CodeName	Name	Definition
IATM	InvalidATM	The ATM is not valid for dynamic currency conversion.

35.2.3.63 DataSetCategory7Code

Definition: Type of an ATM configuration.

Type: CodeSet

CodeName	Name	Definition
ATMC	ATMConfiguration	Configuration parameters of the ATM.
ATMP	ATMPProtocol	ATM protocol parameters, including the configuration of the hosts.
APPR	ApplicationParameters	Payment application specific configuration parameters for the point of interaction (POI) system.
CRAP	CardApplication	Configuration parameters of the card application.
CPRC	CardConfiguration	Configuration of the cards accepted by the terminal.
OEXR	OfflineExchangeRate	Local rates for currency exchanges.
AMNT	PreDefinedAmount	Predefined amounts to be presented to the customer.
LOCC	LocationConfiguration	Configuration of the location.
MNOC	MobileOperator	Configuration of the mobile operator cards accepted by the terminal.

35.2.3.64 EncryptionFormat1Code

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.

35.2.3.65 FailureReason5Code

Definition: Incident occurring on a device.

Type: CodeSet

CodeName	Name	Definition
SECR	Security	General security error.
HRDW	Hardware	Hardware error on the device.

35.2.3.66 FailureReason6Code

Definition: Reason for which the key has been stopped.

Type: CodeSet

CodeName	Name	Definition
CMPR	Compromised	Key is compromised.
EXPR	Expired	Key has expired.
KCVE	InvalidKCV	Key check value is incorrect.
KLOD	KeyLoadError	Error during the key download in the security device.

35.2.3.67 FailureReason8Code

Definition: Exception occurring outside the service.

Type: CodeSet

CodeName	Name	Definition
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CDCP	CardCaptured	ATM manager has requested to capture the card.
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
MALF	Malfunction	Suspected malfunction.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
UCPT	UnableToCapture	Unable to capture the card as requested.

35.2.3.68 FailureReason9Code

Definition: Incident occurring during the processing of an ATM transaction.

Type: CodeSet

CodeName	Name	Definition
CDCP	CardCaptured	ATM manager has requested to capture the card.
CDCL	CardDeclined	Integrated circuit card declines the transaction before or after the authorisation.
CDER	CardError	Unable to complete transaction with the card.

CodeName	Name	Definition
CUCL	CustomerCancel	Customer cancellation, for example removing the card before the end of the transaction.
CUDC	CustomerDecline	Customer has declined additional fees or a lower amount, transaction fails.
CDFG	ForgottenCard	Customer has left the card in the ATM or a motorised card reader.
FILL	FulfillmentError	Unable to fulfil, for instance dispensing the cash.
MALF	Malfunction	Suspected malfunction.
NDCL	OnLineDeclined	Online authorisation declined the transaction.
SECU	SecurityError	Security error has occurred in the authorisation response message sent by the acquirer.
SFRD	SuspectedFraud	Card payment transaction fails because the merchant suspect a fraud.
TIMO	TimeOut	Timeout while waiting for a response to a request message, or no response was received (for example connection release before receiving the response).
LATE	TooLateResponse	Response to the previous message was received too late.
UCPT	UnableToCapture	Unable to capture the card as requested.
UCMP	UnableToComplete	Unable to complete the transaction after the authorisation response.
USND	UnableToSend	Unable to deliver the request message to the recipient party.
CSRV	OutOfCustomerService	ATM manager has requested to the ATM to stop customer services.
CDRT	CardRetained	Card has been retained by the ATM or the terminal.
CUTO	CustomerTimeOut	Customer has not been performed in time an action.
RJCT	Reject	The ATM Manager has sent an ATMReject message in response to an authorisation request.
FMTE	FormatError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were badly formatted (for example an integer value where a dateTime value was expected).
VLTE	ValidationError	The ATM Manager has sent a response message in response to an authorisation request where some of its required elements were invalid (for example an incorrect ExchangeIdentifier).

CodeName	Name	Definition
CHFG	CashDispenserRetract	Following a cash dispense operation the consumer forgot to take the notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is unknown.
DCFG	CashDepositRetract	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is unknown.
CQFG	ChequeDepositRetract	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is unknown.
DFGC	CashDepositRetractCounted	Following a cash return, on a deposit operation, the consumer forgot to take the returned notes, causing them to be retracted. The number of notes retracted is known as the device was able to count the notes retracted.
CFGC	CashDispenserRetractCounted	Following a cash dispense operation the consumer forgot to take the returned notes, which have subsequently been retracted following a Present time-out. The number of notes retracted is known as the device was able to count the notes retracted.
QFGC	ChequeDepositRetractCounted	Following cheques being returned, on a cheque deposit operation, the consumer forgot to take the returned cheques, causing them to be retracted. The number of cheques retracted is known as the device was able to count the cheques retracted.
CQRT	ChequesRetained	Cheques have been retained by the terminal since it has been unable to return them.
DCRT	DepositsRetained	Cash has been retained by the terminal since it has been unable to return it.
RSTR	Restart	The ATM has restarted.

35.2.3.69 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.

CodeName	Name	Definition
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.

35.2.3.70 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.

35.2.3.71 LanguageCode

Definition: Specifies a language.

Type: CodeSet

Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

35.2.3.72 MessageFunction11Code

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

Type: CodeSet

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CMPD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.

CodeName	Name	Definition
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.
DPSK	ATMDepositCompletionAcknowledgement	Acknowledgement of a deposit completion advice.
DPSV	ATMDepositCompletionAdvice	Advice of an ATM deposit transaction completion.
DPSQ	ATMDepositRequest	Request for a deposit.
DPSP	ATMDepositResponse	Response to a deposit request.
EXPK	ATMExceptionAcknowledgement	Acknowledgement of an exception advice.
EXPV	ATMExceptionAdvice	Advice of an ATM exception.
TRFQ	ATMTransferRequest	Request for a fund transfer.
TRFP	ATMTransferResponse	Response to a fund transfer request.
RPTC	CountersReport	Provide the value of the ATM counters, no reinitialisation of the counters.

35.2.3.73 MessageFunction7Code

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

Type: CodeSet

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
CMPA	ATMCompletionAcknowledgement	Acknowledgement of a completion advice.
CPMD	ATMCompletionAdvice	Advice of an ATM transaction completion.
ACMD	ATMControl	Global ATM commands.
DVCC	ATMDeviceControl	Maintenance commands to perform.
DIAQ	ATMDiagnosticRequest	Request for a diagnostic.
DIAP	ATMDiagnosticResponse	Response to a diagnostic request.
GSTS	ATMGlobalStatus	Global status of the ATM.
INQQ	ATMInquiryRequest	Request for an inquiry.
INQP	ATMInquiryResponse	Response to an inquiry request.
KYAQ	ATMKeyDownloadRequest	Request for a key download.

CodeName	Name	Definition
KYAP	ATMKeyDownloadResponse	Response to a key download.
PINQ	ATMPINManagementRequest	Request for a cardholder PIN management.
PINP	ATMPINManagementResponse	Response to a cardholder PIN management request.
RJAQ	ATMRequestReject	Rejected request message.
RJAP	ATMResponseReject	Rejected response message.
WITV	ATMWithdrawalAdvice	Response of a withdrawal transaction.
WITK	ATMWithdrawalAcknowledgement	Acknowledgement of a withdrawal transaction advice.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.
INQC	CountersInquiry	Request the value of the ATM counters.
H2AP	HostToATMAcknowledgement	Acknowledgement of a request from a host to an ATM for contacting.
H2AQ	HostToATMRequest	Request from a host to an ATM to be contacted by this ATM.
TMOP	ATMOperation	Logical or physical operation on the ATM.
CSEC	SecurityControl	Security Commands.
DSEC	SecurityDetails	Security detailed report.
SKSC	SecurityKeyCompletion	Result of the key download with the status of the downloaded keys including key check values.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

35.2.3.74 MessageFunction8Code

Definition: Identifies the type of process requested by the host to an ATM.

Type: CodeSet

CodeName	Name	Definition
BALN	ATMBalance	Provide the ATM counters resetting those that are applicable.
GSTS	ATMGlobalStatus	Global status of the ATM.
DSEC	SecurityDetails	Security detailed report.
INQC	CountersInquiry	Request the value of the ATM counters.
KEYQ	KeyExchangeRequest	Request of a key exchange.
SSTS	SecurityKeyStatus	Status of cryptographic keys.

35.2.3.75 MessageProtection1Code

Definition: Mechanism used to protect the message of the ATM protocol.

Type: CodeSet

CodeName	Name	Definition
EVLP	EnvelopedMessage	Messages contain an encrypted body and a MAC or a digital signature computed on the complete message (header plus body after encryption).
MACB	MACBody	Messages contain a MAC or a digital signature computed on the body only.
MACM	MACMessage	Messages contain a MAC or a digital signature computed on the complete message (header plus body).
UNPR	NoProtection	Messages are not protected, no encryption and no MAC or digital signature.

35.2.3.76 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.

35.2.3.77 OutputFormat2Code

Definition: Information format.

Type: CodeSet

CodeName	Name	Definition
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.

35.2.3.78 PartyType12Code

Definition: Type of identified entity.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
ATMG	ATMManager	Entity managing the ATM.

CodeName	Name	Definition
CISP	CardIssuerProcessor	Entity providing issuing card payment processing services on behalf on an issuer.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
HSTG	HostingEntity	Entity hosting the ATM.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OATM	OriginatingATM	ATM initiating the transaction.

35.2.3.79 PartyType16Code

Definition: Identifies the entity which initially sets the authorisation response value.

Type: CodeSet

CodeName	Name	Definition
ACQR	Acquirer	Entity acquiring card transactions.
CISS	CardIssuer	Party that issues cards.
DLIS	Delegatelssuer	Party to whom the card issuer delegates to authorise card payment transactions.
ITAG	IntermediaryAgent	Party acting on behalf of other parties to process or forward data to other parties.
OTRM	OriginatingTerminal	Application on the terminal which has initiated the transaction.
BKAF	AccountFromBank	The bank of the source account.
BKAT	AccountToBank	The bank of the destination account.
ATMG	ATMManager	Entity managing the ATM.

35.2.3.80 PINFormat4Code

Definition: Format of an ATM PIN block before encryption.

Type: CodeSet

CodeName	Name	Definition
ANSI	ANSIO	ANSI 0 PIN block format.
BNCM	Bancomat	Italian Bancomat PIN block format.
BKSY	Banksys	Banksys PIN block format.
DBLD	Diebold	Diebold PIN block format.
DBLC	DieboldCO	Diebold CO PIN block format.
ECI2	ECI2	ECI2 PIN block format.
ECI3	ECI3	ECI3 PIN block format.
EMVS	EMVRSa	EMV ISO2 PIN block format encrypted with the EMV RSA cryptographic key for the PIN.

CodeName	Name	Definition
IBM3	IBM3624	IBM 3624 PIN block format.
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.
VIS2	VISA2	VISA2 PIN block format.
VIS3	VISA3	VISA3 PIN block format.

35.2.3.81 RejectReason1Code

Definition: Reason of transmission of a rejection message in response to a request or an advice.

Type: CodeSet

CodeName	Name	Definition
UNPR	UnableToProcess	Not possible to process the message, for instance the security module is unavailable, the hardware is unavailable, or there is a problem of resource.
IMSG	InvalidMessage	Invalid envelope of the message.
PARS	ParsingError	Invalid message: At least one of the data element or data structure is not present, the format, or the content of one data element or one data structure is not correct.
SECU	Security	Security error (for example an invalid key or an incorrect MAC value).
INTP	InitiatingParty	Invalid identification data for the sender.
RCPD	RecipientParty	Invalid identification data for the the receiver.
DPMG	DuplicateMessage	Duplicate message, the identification of the exchange is the same than a previous message.
VERS	ProtocolVersion	Version of the protocol couldn't be supported by the recipient.
MSGT	MessageType	Type of message the recipient receives is unknow or unsupported.

35.2.3.82 Response12Code

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.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

35.2.3.83 Response2Code

Definition: Response to a request of service.

Type: CodeSet

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.

35.2.3.84 ResultDetail5Code

Definition: Detail of the response to an ATM.

Type: CodeSet

CodeName	Name	Definition
ACTF	AccountNotFound	Account of the cardholder or the customer is not found.
ACQS	AcquirerNotSupported	Acquirer is not supported.
AMLV	AMLValidation	Error on AML (Anti Money Laundering) validation.
AMTA	AmountNotFound	Amount not found.
AUTH	AuthenticationFailed	Cardholder or customer could not be authenticated, for instance due to an incorrect login identification or an incorrect password.
BANK	BankNotFound	Bank not found.
CRDR	CardError	Card error, for instance invalid ARQC (Authorisation ReQuest Cryptogram).
CRDF	CardVerificationFailed	Identification of the card is invalid.
ACTC	ClosedAccount	Account is no more usable for the transaction.
CTVG	CutoverInProgress	Cutover is in progress, transaction could not be processed.
DBER	DatabaseError	Database access error.

CodeName	Name	Definition
FEES	DisputedFees	Transaction fees are disputed by the issuer.
TXNL	ExceededTransactionLifeCycle	Validity period of the transaction is exceeded.
AMTD	DepositAmountLimit	Amount of deposit transactions exceeds the limit.
NMBD	DepositNumberLimit	Number of deposit transactions or items exceeds the limit.
CRDX	ExpiredCard	Card has expired.
FDCL	FallbackDeclined	Issuer declined the fall-back transaction.
FMTR	FormatError	Invalid format of the message or its content.
TXNG	InProgress	Original request is in progress.
FNDI	InsufficientFunds	Account balance is not sufficient.
ACPI	InvalidAcceptor	Issuer denies the acceptor.
AMTI	InvalidAmount	Requested amount is outside the card limits, or the currency is invalid.
ADDI	InvalidAddress	Part of the specified address is incorrect.
BRHI	InvalidBranch	Invalid branch or bank information.
CHDI	InvalidCardholderIdentification	Identification of the cardholder or the customer does not match.
CRDI	InvalidCardNumber	Identification of the card is invalid.
CTFV	InvalidCertificate	Digital certificate cannot be authenticated, is expired or revoked.
AMTO	InvalidOriginalAmount	Original amount is invalid.
PINV	InvalidPIN	PIN is invalid.
TKKO	InvalidToken	Token cannot be used to surrogate a PAN (Primary Account Number).
SGNI	InvalidSignature	Signed message has an invalid signature.
TKID	InvalidTokenIdentification	Identification of the token provider or the token requestor is invalid.
TXNV	InvalidTransaction	Transaction is invalid.
DATI	InvalidTransactionDateTime	Date time of the transaction is invalid.
ISSP	IssuerInoperative	Issuer is inoperative.
ISSF	IssuerNotFound	Issuer is not found.
ISSO	IssuerSignedOff	Transaction could not be processed as Issuer is signed off.
ISST	IssuerTimeOut	Transaction could not be processed as Issuer times out.
ISSU	IssuerUnavailable	Transaction could not be processed as Issuer is unavailable.

CodeName	Name	Definition
KEYS	KeyStorageSaturation	Storage space not available for the key.
LBLA	LiabilityAccepted	Transaction is processed and liability is accepted.
CRDL	LostCard	Card has been declared lost.
MACR	MACError	MAC error.
MACK	MACKeyError	MAC key error.
ICCM	MissingICCDData	ICC data elements required for processing the ICC transaction were not present in the message.
PINN	NewPINInvalid	New PIN is invalid (PIN change).
CRDA	NoCardRecord	No card file record.
LBLU	NoLiabilityAccepted	Transaction is processed, but liability is not accepted.
PINA	NotAbleToValidatePIN	PIN could not be validated.
NPRA	NotPermittedToAcceptor	Process not permitted to the acceptor (for example fall back).
OFFL	OffLineProcess	Transaction has been processed offline by the terminal.
ONLP	OffLineProcessAfterReferral	Transaction has been processed offline after referral.
NPRC	NotPermittedToCardholder	Transaction not permitted to the cardholder or the customer.
TXNM	OriginalDoesNotMatch	Original is found, but transaction does not match.
OTHR	OtherError	Other error.
BALO	OutOfBalance	Out of balance.
SEQO	OutOfSequence	Message is out of sequence.
PINC	PINChangeRequired	Cardholder must change the PIN to be able to perform the transaction.
PIND	PINDataRequired	Additional information are required to verify the PIN.
PINS	PINSecurityError	PIN length or PIN key is invalid.
PINX	PINTriesExceeded	Last attempt of the PIN verification fails.
PINE	PINEncryptionError	Decrypted PIN block is invalid.
QMAX	QueueMaximumExceeded	Store and forward queue maximum exceeded.
RECD	RecurringDataError	Recurring Error on Data.
CRDT	RestrictedCard	Requested service not allowed by the card.
SECV	SecurityViolation	Security violation, for instance invalid ARPC (Authorisation ResPonse Cryptogram).

CodeName	Name	Definition
SRVU	ServiceNotEnabled	Cardholder or customer has not enabled the service with the service provider.
SFWE	SoftwareOrHardwareError	Security software or hardware error.
SPCC	SpecialConditions	Special card conditions not respected.
CRDS	StolenCard	Card has been declared stolen.
SRCH	SurchargeNotPermitted	Surcharging is not permitted.
CNTC	SuspectedCounterfeitCard	Counterfeit card suspected by the issuer or the processor.
FRDS	SuspectedFraud	Fraudulent transaction is suspected by the issuer or the processor.
SYSP	SystemInoperative	Processing temporary not available.
SYSM	SystemMalfunction	System Malfunction.
TRMI	TerminalNotConfigured	Server received a terminal identification that it does not have any knowledge of.
ACTT	ToAccountError	To account status error.
TTLV	TotalsNotAvailable	Totals are not available.
TXNU	TransactionDidNotComplete	Transaction did not complete at the terminal.
TXND	TransactionDuplicate	Transaction identification already used for another transaction.
ORGF	UnableToFindOriginal	Transaction could not be processed as original is not found.
UNBO	UnableToGoOnLine	Transaction cannot be processed online by the terminal.
UNBP	UnableToProcessOffLine	Transaction cannot be processed offline.
UNBC	UnacceptableCurrency	Currency is unacceptable for the Issuer or the processor.
CMKY	UnavailablecommunicationKey	Communication keys are not available.
CRDU	UneffectiveCard	Card is not active yet.
SVSU	UnsupportedService	Requested service not supported.
VNDR	VendorFormatError	Vendor format has an error.
VNDF	VendorNotFound	Vendor not found.
AMTW	WithdrawalAmountLimit	Amount of withdrawal transactions exceeds card limit.
NMBW	WithdrawalNumberLimit	Number of withdrawal transactions exceeds card limit.
CRDW	WrongCard	Other card used for the original transaction.
MEDI	InvalidMediaType	The requested media are not allowed for the service.
SRVI	InvalidService	The requested service is not allowed.

CodeName	Name	Definition
AMMA	AccountMatchesMultipleAccounts	The account details provided in the request message matches multiple accounts.
AGFE	AgreeFee	Consumer must agree fee from those provided to authorise the transaction. See <Tx><AuthstnRslt><FeeToAdd>.
SACT	SelectAccount	Consumer must select an account from those provided to authorise the transaction. See <Tx><AcctInf>.
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvsElgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

35.2.3.85 TerminalManagementActionResult2Code

Definition: Final result of the processed command at the ATM.

Type: CodeSet

CodeName	Name	Definition
CNTE	ConnectionError	Problem to connect while performing the action.
FMTE	FormatError	Data transferred has a wrong format.
HRDW	Hardware	Hardware error.
NSUP	NotSupported	Action is not supported.
SECR	Security	Security error.
SUCC	Success	Action was successfully performed.
SYNE	SyntaxError	Data transferred has a wrong syntax.
TIMO	Timeout	Timeout expired during the data transfer.
UKRF	UnknownKeyReference	Cryptographic key reference used for the data signature is not valid.

35.2.3.86 TMSContactLevel2Code

Definition: Urgency of the command.

Type: CodeSet

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

CodeName	Name	Definition
ENCS	EndCustomerSession	After the end of the customer session.

35.2.3.87 TR34Command1Code

Definition: Specific TR34 command that the ATM could perform.

Type: CodeSet

CodeName	Name	Definition
BIND	Bind	TR34 bind operation.
HILR	HigherLevelRebind	TR34 Higher Level rebind operation.
HILU	HigherLevelUnbind	TR34 Higher Level unbind operation.
RBND	Rebind	TR34 rebind operation.
UBND	Unbind	TR34 unbind operation.

35.2.3.88 TR34Status1Code

Definition: Specific TR34 status that the ATM could use.

Type: CodeSet

CodeName	Name	Definition
BUND	Bound	The device is bound.
UBND	Unbound	The device is unbound.

35.2.3.89 TransactionEnvironment2Code

Definition: Indicates the environment of the transaction location.

Type: CodeSet

CodeName	Name	Definition
PRIV	Private	Private environment.
PUBL	Public	Public environment.

35.2.3.90 TransactionEnvironment3Code

Definition: Indicates the entity hosting the terminal performing the transaction.

Type: CodeSet

CodeName	Name	Definition
BRCH	Branch	Bank environment.
MERC	Merchant	Merchant environment.
OTHR	Other	Other environments, for instance a mall or an airport.

35.2.3.91 UserInterface5Code

Definition: Destination of the message.

Type: CodeSet

CodeName	Name	Definition
CDSP	CardholderDisplay	Cardholder display or interface.
CRCP	CardholderReceipt	Cardholder receipt.
CRDO	OtherCardholderInterface	Other interface of the cardholder, for instance e-mail or smartphone message.

35.2.3.92 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.

35.2.4 Date

35.2.4.1 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

35.2.5 DateTime

35.2.5.1 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

35.2.6 IdentifierSet

35.2.6.1 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.

35.2.6.2 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}

35.2.6.3 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.

35.2.6.4 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}

35.2.7 Indicator

35.2.7.1 PlusOrMinusIndicator

Definition: Indicates a positive or negative value.

Type: Indicator

Meaning When True: Plus

Meaning When False: Minus

35.2.7.2 TrueFalseIndicator

Definition: A flag indicating a True or False value.

Type: Indicator

Meaning When True: True

Meaning When False: False

35.2.8 Quantity

35.2.8.1 Number

Definition: Number of objects represented as an integer.

Type: Quantity

Format

totalDigits 18

fractionDigits	0
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35.2.9 Rate

35.2.9.1 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

35.2.9.2 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

35.2.10 Text

35.2.10.1 Exact3AlphaNumericText

Definition: Specifies an alphanumeric string with a length of exact 3 characters.

Type: Text

Format

pattern	[a-zA-Z0-9]{3}
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35.2.10.2 Exact3NumericText

Definition: Specifies a numeric string with an exact length of 3 digits.

Type: Text

Format

pattern	[0-9]{3}
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35.2.10.3 Max104Text

Definition: Specifies a character string with a maximum length of 104 characters.

Type: Text

Format

minLength	1
maxLength	104

35.2.10.4 Max10DateText

Definition: Specifies a date expressed either in the YY-MM format, YYYY-MM format, or in the YYYY-MM-DD format.

Type: Text

Format

pattern	([0-9]{4,4}-[0-9]{2,2}-[0-9]{2,2}) ([0-9]{2,2}-[0-9]{2,2}) ([0-9]{4,4}-[0-9]{2,2})
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35.2.10.5 Max10Text

Definition: Specifies a character string with a maximum length of 10 characters.

Type: Text

Format

minLength	1
maxLength	10

35.2.10.6 Max140Text

Definition: Specifies a character string with a maximum length of 140 characters.

Type: Text

Format

minLength	1
maxLength	140

35.2.10.7 Max16Text

Definition: Specifies a character string with a maximum length of 16 characters.

Type: Text

Format

minLength	1
maxLength	16

35.2.10.8 Max20000Text

Definition: Specifies a character string with a maximum length of 20, 000 characters.

Type: Text

Format

minLength	1
maxLength	20000

35.2.10.9 Max2000Text

Definition: Specifies a character string with a maximum length of 2000 characters.

Type: Text

Format

minLength	1
maxLength	2000

35.2.10.10 Max256Text

Definition: Specifies a character string with a maximum length of 256 characters.

Type: Text

Format

minLength	1
maxLength	256

35.2.10.11 Max350Text

Definition: Specifies a character string with a maximum length of 350 characters.

Type: Text

Format

minLength	1
maxLength	350

35.2.10.12 Max35Text

Definition: Specifies a character string with a maximum length of 35 characters.

Type: Text

Format

minLength	1
maxLength	35

35.2.10.13 Max37Text

Definition: Specifies a character string with a maximum length of 37 characters.

Type: Text

Format

minLength	1
maxLength	37

35.2.10.14 Max3NumericText

Definition: Specifies a numeric string with a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{1,3}
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35.2.10.15 Max3Text

Definition: Specifies a character string with a maximum length of 3 characters.

Type: Text

Format

minLength	1
maxLength	3

35.2.10.16 Max45Text

Definition: Specifies a character string with a maximum length of 45 characters.

Type: Text

Format

minLength	1
maxLength	45

35.2.10.17 Max500Text

Definition: Specifies a character string with a maximum length of 500 characters.

Type: Text

Format

minLength	1
maxLength	500

35.2.10.18 Max6Text

Definition: Specifies a character string with a maximum length of 6 characters.

Type: Text

Format

minLength	1
maxLength	6

35.2.10.19 Max70Text

Definition: Specifies a character string with a maximum length of 70characters.

Type: Text

Format

minLength	1
maxLength	70

35.2.10.20 Max76Text

Definition: Specifies a character string with a maximum length of 76 characters.

Type: Text

Format

minLength	1
maxLength	76

35.2.10.21 Max8Text

Definition: Specifies a character string with a maximum length of 8 characters.

Type: Text

Format

minLength	1
maxLength	8

35.2.10.22 Min2Max3AlphaText

Definition: Specifies an alpha string with a minimum length of 2 characters and a maximum length of 3 characters.

Type: Text

Format

pattern	[a-zA-Z]{2,3}
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35.2.10.23 Min2Max3NumericText

Definition: Specifies a numeric string with a minimum length of 2 digits, and a maximum length of 3 digits.

Type: Text

Format

pattern	[0-9]{2,3}
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35.2.10.24 Min8Max28NumericText

Definition: Specifies a numeric string with a minimum length of 8 digits, and a maximum length of 28 digits.

Type: Text

Format

pattern	[0-9]{8,28}
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