

ISO 20022

## ATM Interface for Transaction Processing and ATM Management - Maintenance 2024 - 2025

### Message Definition Report - Part 2

Approved by the Cards and Related Retail Financial Services SEG  
on 20 February 2025

This document provides details of the Message Definitions for ATM Interface for Transaction Processing and ATM Management - Maintenance 2024 - 2025.

March 2025

# Table of Contents

<b>1</b>	<b>Message Set Overview</b>	<b>7</b>
1.1	List of MessageDefinitions	7
<b>2</b>	<b>caam.001.001.04 ATMDeviceReportV04</b>	<b>10</b>
2.1	MessageDefinition Functionality	10
2.2	Structure	11
2.3	Constraints	13
2.4	Message Building Blocks	13
<b>3</b>	<b>caam.002.001.04 ATMDeviceControlV04</b>	<b>40</b>
3.1	MessageDefinition Functionality	40
3.2	Structure	41
3.3	Constraints	43
3.4	Message Building Blocks	43
<b>4</b>	<b>caam.003.001.04 ATMKeyDownloadRequestV04</b>	<b>63</b>
4.1	MessageDefinition Functionality	63
4.2	Structure	64
4.3	Constraints	66
4.4	Message Building Blocks	66
<b>5</b>	<b>caam.004.001.04 ATMKeyDownloadResponseV04</b>	<b>92</b>
5.1	MessageDefinition Functionality	92
5.2	Structure	93
5.3	Constraints	95
5.4	Message Building Blocks	95
<b>6</b>	<b>caam.005.001.03 ATMDiagnosticRequestV03</b>	<b>119</b>
6.1	MessageDefinition Functionality	119
6.2	Structure	120
6.3	Message Building Blocks	121
<b>7</b>	<b>caam.006.001.02 ATMDiagnosticResponseV02</b>	<b>130</b>
7.1	MessageDefinition Functionality	130
7.2	Structure	131
7.3	Constraints	132
7.4	Message Building Blocks	132
<b>8</b>	<b>caam.007.001.01 HostToATMRequestV01</b>	<b>144</b>
8.1	MessageDefinition Functionality	144
8.2	Structure	145
8.3	Message Building Blocks	146

<b>9</b>	<b>caam.008.001.01 HostToATMAcknowledgementV01</b>	<b>154</b>
9.1	MessageDefinition Functionality	154
9.2	Structure	155
9.3	Message Building Blocks	155
<b>10</b>	<b>caam.009.001.03 ATMReconciliationAdviceV03</b>	<b>163</b>
10.1	MessageDefinition Functionality	163
10.2	Structure	164
10.3	Constraints	167
10.4	Message Building Blocks	167
<b>11</b>	<b>caam.010.001.03 ATMReconciliationAcknowledgementV03</b>	<b>203</b>
11.1	MessageDefinition Functionality	203
11.2	Structure	204
11.3	Constraints	206
11.4	Message Building Blocks	206
<b>12</b>	<b>caam.011.001.02 ATMExceptionAdviceV02</b>	<b>235</b>
12.1	MessageDefinition Functionality	235
12.2	Structure	236
12.3	Constraints	240
12.4	Message Building Blocks	240
<b>13</b>	<b>caam.012.001.02 ATMExceptionAcknowledgementV02</b>	<b>280</b>
13.1	MessageDefinition Functionality	280
13.2	Structure	281
13.3	Constraints	282
13.4	Message Building Blocks	282
<b>14</b>	<b>caam.013.001.01 ATMConfigurationReportV01</b>	<b>297</b>
14.1	MessageDefinition Functionality	297
14.2	Structure	298
14.3	Constraints	299
14.4	Message Building Blocks	299
<b>15</b>	<b>caam.014.001.01 ATMConfigurationControlV01</b>	<b>309</b>
15.1	MessageDefinition Functionality	309
15.2	Structure	310
15.3	Constraints	311
15.4	Message Building Blocks	311
<b>16</b>	<b>caam.015.001.01 ATMReconciliationRequestV01</b>	<b>323</b>
16.1	MessageDefinition Functionality	323
16.2	Structure	324
16.3	Constraints	326
16.4	Message Building Blocks	326

<b>17</b>	<b>caam.016.001.01 ATMReconciliationResponseV01</b>	347
17.1	MessageDefinition Functionality	347
17.2	Structure	348
17.3	Constraints	350
17.4	Message Building Blocks	350
<b>18</b>	<b>catp.001.001.03 ATMWithdrawalRequestV03</b>	371
18.1	MessageDefinition Functionality	371
18.2	Structure	372
18.3	Constraints	377
18.4	Message Building Blocks	378
<b>19</b>	<b>catp.002.001.03 ATMWithdrawalResponseV03</b>	437
19.1	MessageDefinition Functionality	437
19.2	Structure	438
19.3	Constraints	444
19.4	Message Building Blocks	445
<b>20</b>	<b>catp.003.001.03 ATMWithdrawalCompletionAdviceV03</b>	516
20.1	MessageDefinition Functionality	516
20.2	Structure	517
20.3	Constraints	525
20.4	Message Building Blocks	525
<b>21</b>	<b>catp.004.001.03 ATMWithdrawalCompletionAcknowledgementV03</b>	613
21.1	MessageDefinition Functionality	613
21.2	Structure	614
21.3	Constraints	615
21.4	Message Building Blocks	615
<b>22</b>	<b>catp.005.001.02 ATMRejectV02</b>	633
22.1	MessageDefinition Functionality	633
22.2	Structure	634
22.3	Message Building Blocks	635
<b>23</b>	<b>catp.006.001.03 ATMInquiryRequestV03</b>	644
23.1	MessageDefinition Functionality	644
23.2	Structure	645
23.3	Constraints	649
23.4	Message Building Blocks	650
<b>24</b>	<b>catp.007.001.03 ATMInquiryResponseV03</b>	700
24.1	MessageDefinition Functionality	700
24.2	Structure	701
24.3	Constraints	707
24.4	Message Building Blocks	708



<b>25</b>	<b>catp.008.001.03 ATMCompletionAdviceV03</b>	787
25.1	MessageDefinition Functionality	787
25.2	Structure	788
25.3	Constraints	792
25.4	Message Building Blocks	793
<b>26</b>	<b>catp.009.001.03 ATMCompletionAcknowledgementV03</b>	849
26.1	MessageDefinition Functionality	849
26.2	Structure	850
26.3	Constraints	851
26.4	Message Building Blocks	851
<b>27</b>	<b>catp.010.001.03 ATMPINManagementRequestV03</b>	869
27.1	MessageDefinition Functionality	869
27.2	Structure	870
27.3	Constraints	874
27.4	Message Building Blocks	874
<b>28</b>	<b>catp.011.001.03 ATMPINManagementResponseV03</b>	915
28.1	MessageDefinition Functionality	915
28.2	Structure	916
28.3	Constraints	918
28.4	Message Building Blocks	919
<b>29</b>	<b>catp.012.001.02 ATMDepositRequestV02</b>	949
29.1	MessageDefinition Functionality	949
29.2	Structure	950
29.3	Constraints	956
29.4	Message Building Blocks	957
<b>30</b>	<b>catp.013.001.02 ATMDepositResponseV02</b>	1025
30.1	MessageDefinition Functionality	1025
30.2	Structure	1026
30.3	Constraints	1033
30.4	Message Building Blocks	1033
<b>31</b>	<b>catp.014.001.02 ATMDepositCompletionAdviceV02</b>	1118
31.1	MessageDefinition Functionality	1118
31.2	Structure	1119
31.3	Constraints	1128
31.4	Message Building Blocks	1128
<b>32</b>	<b>catp.015.001.02 ATMDepositCompletionAcknowledgementV02</b>	1233
32.1	MessageDefinition Functionality	1233
32.2	Structure	1234
32.3	Constraints	1235
32.4	Message Building Blocks	1235

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<b>33</b>	<b>catp.016.001.02 ATMTransferRequestV02</b>	1254
33.1	MessageDefinition Functionality	1254
33.2	Structure	1255
33.3	Constraints	1261
33.4	Message Building Blocks	1261
<b>34</b>	<b>catp.017.001.02 ATMTransferResponseV02</b>	1324
34.1	MessageDefinition Functionality	1324
34.2	Structure	1325
34.3	Constraints	1332
34.4	Message Building Blocks	1333
<b>35</b>	<b>Message Items Types</b>	1422
35.1	MessageComponents	1422
35.2	Message Datatypes	1525

# 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 2024-2025 (See MCR #250) and approved by the Cards and Related Retail Financial Services Standards Evaluation Group on 20 February 2025.

## 1.1 List of MessageDefinitions

The following table lists all MessageDefinitions described in this book.

MessageDefinition	Definition
caam.001.001.04 ATMDeviceReportV04	The ATMDeviceReport message is sent to an acquirer by an ATM, or forwarded by an agent, to report: <ul style="list-style-type: none"> <li>- The result of maintenance commands performed by the ATM,</li> <li>- The components of the ATM,</li> <li>- The status of the ATM components.</li> </ul>
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.003.001.04 ATMKeyDownloadRequestV04	The ATMKeyDownloadRequest message is sent by an ATM to an ATM manager to initiate the download of one or several cryptographic keys.
caam.004.001.04 ATMKeyDownloadResponseV04	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.001.001.04** **ATMDDeviceReportV04**

### 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 ATMDDeviceReportV04 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
	Message root <Document> <ATMDvcRpt>	[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
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		25
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		25
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		25
	<b>Result</b> <Rslt>	[1..1]	CodeSet		25
	<b>AdditionalErrorInformation</b> <AddtlErrInf>	[0..1]	Text		26
	<b>CommandContext</b> <CmdCntxt>	[0..1]			26
	<b>Type</b> <Tp>	[1..1]	CodeSet		26
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		27
	<b>ATMSecurityContext</b> <ATMSctyCntxt>	[0..1]			27
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		29
	<b>SecuritySchemeCapabilities</b> <SctySchmeCpblties>	[0..*]	CodeSet		29
	<b>SecurityDevice</b> <SctyDvc>	[1..1]			30
	<b>DeviceProperty</b> <DvcPrpty>	[0..1]			30
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		31
	<b>Model</b> <Mdl>	[0..1]	Text		31
	<b>Version</b> <Vrsn>	[0..1]	Text		31
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		31
	<b>FirmwareProvider</b> <FrmwrPrvdr>	[0..1]	Text		31
	<b>FirmwareIdentification</b> <Frmwrld>	[0..1]	Text		31
	<b>FirmwareVersion</b> <FrmwrVrsn>	[0..1]	Text		32
	<b>CurrentConfiguration</b> <CurCfgtn>	[1..1]	±		32
	<b>SupportedConfiguration</b> <SpprtdCfgtn>	[0..1]	±		32
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		32
	<b>Incident</b> <Incdnt>	[0..1]	CodeSet		33
	<b>BindingState</b> <BndgStat>	[0..1]	CodeSet		33
	<b>Key</b> <Key>	[0..*]			33
	<b>Name</b> <Nm>	[0..1]	Text		34
	<b>Identification</b> <Id>	[0..1]	Text		34
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		34
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		34
	<b>Version</b> <Vrsn>	[0..1]	Text		34



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

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			14
	<b>Function</b> <Fctn>	[1..1]	CodeSet		14
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		16
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		16
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		16
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		16
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		16
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		16
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		17
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		17
	<b>Traceability</b> <Tracblt>	[0..*]			17
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		17
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		17
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		18
	<b>TraceDateTimeOut</b> <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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		14
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		16
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		16

##### 2.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 2.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 2.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 2.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 2.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

Datatype: "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 2.4.2 ProtectedATMDDeviceReport <PrtctdATMDvcRpt>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDDeviceReport <PrtctdATMDvcRpt>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 2.4.3 ATMDDeviceReport <ATMDvcRpt>

*Presence:* [0..1]

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

**ATMDeviceReport <ATMDvcRpt>** contains the following **ATMDeviceReport4** elements

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

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrentConfiguration</b> <CurCfgtn>	[1..1]	±		32
	<b>SupportedConfiguration</b> <SpprtdCfgtn>	[0..1]	±		32
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		32
	<b>Incident</b> <Incdnt>	[0..1]	CodeSet		33
	<b>BindingState</b> <BndgStat>	[0..1]	CodeSet		33
	<b>Key</b> <Key>	[0..*]			33
	<b>Name</b> <Nm>	[0..1]	Text		34
	<b>Identification</b> <Id>	[0..1]	Text		34
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		34
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		34
	<b>Version</b> <Vrsn>	[0..1]	Text		34
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		35
	<b>Type</b> <Tp>	[1..1]	CodeSet		35
	<b>Function</b> <Fctn>	[1..*]	CodeSet		35
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		36
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		36
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		36
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		36
	<b>FailureReason</b> <FailrRsn>	[0..1]	CodeSet		37
	<b>HostChallenge</b> <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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		21
	<b>ATMManagerIdentification</b> <ATMMgrId>	[0..1]	Text		21
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		21
	<b>ATM</b> <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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 2.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "[Max35Text](#)" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 2.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine5" on page 1464 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1466
	AdditionalIdentification <AddtlId>	[0..1]	Text		1466
	SequenceNumber <SeqNb>	[0..1]	Text		1466
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1466
	Location <Lctn>	[0..1]			1466
	AddressLine <AdrLine>	[0..2]	Text		1467
	StreetName <StrtNm>	[0..1]	Text		1467
	BuildingNumber <BldgNb>	[0..1]	Text		1467
	PostCode <PstCd>	[0..1]	Text		1467
	TownName <TwnNm>	[1..1]	Text		1468
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1468
	Country <Ctry>	[1..1]	CodeSet	C1	1468
	GeoLocation <GLctn>	[0..1]			1468
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1468
	Latitude <Lat>	[1..1]	Text		1469
	Longitude <Long>	[1..1]	Text		1469
Or}	UTMCoordinates <UTMCordints>	[1..1]			1469
	UTMZone <UTMZone>	[1..1]	Text		1469
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1469
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1470
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1470
	Equipment <Eqpmnt>	[0..1]			1470
	Manufacturer <Manfctr>	[0..1]	Text		1470
	Model <Mdl>	[0..1]	Text		1471
	SerialNumber <SrlNb>	[0..1]	Text		1471
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1471
	ApplicationName <ApplNm>	[0..1]	Text		1471
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1471
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1471
	ConfigurationParameter <CfgrtnParam>	[0..*]			1471
	Type <Tp>	[1..1]	CodeSet		1471

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1472
	OutOfServiceDevice <OutOfSvcDvc>	[0..*]	CodeSet		1472
	MessageProtection <MsgPrtcn>	[0..1]	CodeSet		1473

### 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
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		23
	<b>CurrentStatusReason</b> <CurStsRsn>	[0..*]	Text		23
	<b>DemandedStatus</b> <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 1547

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 1577

#### 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 1547

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
	<b>Type</b> <Tp>	[1..1]	CodeSet		24
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		25
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		25
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		25
	<b>Result</b> <Rslt>	[1..1]	CodeSet		25
	<b>AdditionalErrorInformation</b> <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 1535

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 1572

#### 2.4.3.3.3 ProcessedDateTime <PrccdDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODatetime" on page 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 2.4.3.3.5 Result <RsIt>

*Presence:* [1..1]

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

*Datatype:* "TerminalManagementActionResult2Code" on page 1570

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 1576

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		26
	<b>CommandIdentification &lt;CmdId&gt;</b>	[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 1535

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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 2.4.3.5 ATMSecurityContext <ATMSctyCntxt>

*Presence:* [0..1]

*Definition:* Information related to security commands.

**ATMSecurityContext** <ATMSctyCntxt> contains the following **ATMSecurityContext5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		29
	<b>SecuritySchemeCapabilities</b> <SctySchmeCpblties>	[0..*]	CodeSet		29
	<b>SecurityDevice</b> <SctyDvc>	[1..1]			30
	<b>DeviceProperty</b> <DvcPrprty>	[0..1]			30
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		31
	<b>Model</b> <Mdl>	[0..1]	Text		31
	<b>Version</b> <Vrsn>	[0..1]	Text		31
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		31
	<b>FirmwareProvider</b> <FrmwrPrvdr>	[0..1]	Text		31
	<b>FirmwareIdentification</b> <Frmwrld>	[0..1]	Text		31
	<b>FirmwareVersion</b> <FrmwrVrsn>	[0..1]	Text		32
	<b>CurrentConfiguration</b> <CurCfgtn>	[1..1]	±		32
	<b>SupportedConfiguration</b> <SpprtdCfgtn>	[0..1]	±		32
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		32
	<b>Incident</b> <Incdnt>	[0..1]	CodeSet		33
	<b>BindingState</b> <BndgStat>	[0..1]	CodeSet		33
	<b>Key</b> <Key>	[0..*]			33
	<b>Name</b> <Nm>	[0..1]	Text		34
	<b>Identification</b> <Id>	[0..1]	Text		34
	<b>SecurityDomainIdentification</b> <SctyDomnld>	[0..1]	Text		34
	<b>AdditionalIdentification</b> <Addtlld>	[0..1]	Binary		34
	<b>Version</b> <Vrsn>	[0..1]	Text		34
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		35
	<b>Type</b> <Tp>	[1..1]	CodeSet		35
	<b>Function</b> <Fctn>	[1..*]	CodeSet		35
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		36
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		36
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		36
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		36
	<b>FailureReason</b> <FailrRsn>	[0..1]	CodeSet		37
	<b>HostChallenge</b> <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 1541

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 1542

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
	<b>DeviceProperty</b> <DvcPrpty>	[0..1]			30
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		31
	<b>Model</b> <Mdl>	[0..1]	Text		31
	<b>Version</b> <Vrsn>	[0..1]	Text		31
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		31
	<b>FirmwareProvider</b> <FrmwrPrvdr>	[0..1]	Text		31
	<b>FirmwareIdentification</b> <FrmwrlId>	[0..1]	Text		31
	<b>FirmwareVersion</b> <FrmwrVrsn>	[0..1]	Text		32
	<b>CurrentConfiguration</b> <CurCfgtn>	[1..1]	±		32
	<b>SupportedConfiguration</b> <SpprtdCfgtn>	[0..1]	±		32
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		32
	<b>Incident</b> <Incdnt>	[0..1]	CodeSet		33
	<b>BindingState</b> <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 <DvcPrpty>** contains the following **ATMEquipment2** elements

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

#### 2.4.3.5.3.1.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.1.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.1.3 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the device model.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.1.4 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.1.5 FirmwareProvider <FrmwrPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the firmware.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.1.6 FirmwareIdentification <Frmwrlid>

*Presence:* [0..1]

*Definition:* Identification of the firmware.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.1.7 FirmwareVersion <FrmwrVrsn>

*Presence:* [0..1]

*Definition:* Version of the firmware.

*Datatype:* "Max35Text" on page 1577

#### 2.4.3.5.3.2 CurrentConfiguration <CurCfgr>

*Presence:* [1..1]

*Definition:* Configuration parameters in use by the security device.

**CurrentConfiguration <CurCfgr>** contains the following elements (see "ATMSecurityConfiguration1" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1428
	Encryption <Ncrptn>	[0..1]	±		1428
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1429
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1430
	DigitalSignature <DgtlSgntr>	[0..1]	±		1430
	PIN <PIN>	[0..1]	±		1431
	MessageProtection <MsgPrctn>	[0..*]	CodeSet		1431

#### 2.4.3.5.3.3 SupportedConfiguration <SprrtdCfgr>

*Presence:* [0..1]

*Definition:* Configuration parameters supported by the security device.

**SupportedConfiguration <SprrtdCfgr>** contains the following elements (see "ATMSecurityConfiguration1" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1428
	Encryption <Ncrptn>	[0..1]	±		1428
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1429
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1430
	DigitalSignature <DgtlSgntr>	[0..1]	±		1430
	PIN <PIN>	[0..1]	±		1431
	MessageProtection <MsgPrctn>	[0..*]	CodeSet		1431

#### 2.4.3.5.3.4 CurrentStatus <CurSts>

*Presence:* [1..1]

*Definition:* Current status of the security device.

*Datatype:* "ATMStatus2Code" on page 1547

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 1555

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 1571

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 **CryptographicKey11** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[0..1]	Text		34
	<b>Identification</b> <Id>	[0..1]	Text		34
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		34
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		34
	<b>Version</b> <Vrsn>	[0..1]	Text		34
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		35
	<b>Type</b> <Tp>	[1..1]	CodeSet		35
	<b>Function</b> <Fctn>	[1..*]	CodeSet		35
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		36
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		36
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		36
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		36
	<b>FailureReason</b> <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 1576

#### 2.4.3.5.4.2 Identification <Id>

*Presence:* [0..1]

*Definition:* Name of the cryptographic key.

*Datatype:* "Max140Text" on page 1576

#### 2.4.3.5.4.3 SecurityDomainIdentification <SctyDomnId>

*Presence:* [0..1]

*Definition:* Identification of the security domain.

*Datatype:* "Max35Text" on page 1577

#### 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 1527

#### 2.4.3.5.4.5 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the cryptographic key.

*Datatype:* "Max256Text" on page 1577

#### 2.4.3.5.4.6 SequenceCounter <SeqCntr>

*Presence:* [0..1]

*Definition:* Sequence counter of the cryptographic key.

*Datatype:* "Number" on page 1574

#### 2.4.3.5.4.7 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of algorithm used by the cryptographic key.

*Datatype:* "CryptographicKeyType3Code" on page 1552

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).

#### 2.4.3.5.4.8 Function <Fctn>

*Presence:* [1..\*]

*Definition:* Allowed usage of the key.

*Datatype:* "KeyUsage1Code" on page 1558

CodeName	Name	Definition
ENCR	Encryption	Key may encrypt.
DCPT	Decryption	Key may decrypt.
DENC	DataEncryption	Key may encrypt data.

CodeName	Name	Definition
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 1572

#### 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 1572

#### 2.4.3.5.4.11 KeyCheckValue <KeyChckVal>

*Presence:* [0..1]

*Definition:* Value for checking a cryptographic key.

*Datatype:* "Max35Binary" on page 1527

#### 2.4.3.5.4.12 CurrentStatus <CurSts>

*Presence:* [1..1]

*Definition:* Current status of the key.

*Datatype:* "ATMStatus3Code" on page 1547



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 1555

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 1526

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		37
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		38
	<b>SignedData</b> <SgndData>	[0..1]	±		38

#### 2.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

#### 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 1491 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1492
	DigestAlgorithm <DgstAlgo>	[1..*]			1493
	Algorithm <Algo>	[1..1]	CodeSet		1493
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1493
	Certificate <Cert>	[0..*]	Binary		1493
	Signer <Sgnr>	[1..*]			1494
	Version <Vrsn>	[0..1]	Quantity		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

## 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
	<i>Message root &lt;Document&gt; &lt;ATMDvcCtrl&gt;</i>	[1..1]			
	<b>Header &lt;Hdr&gt;</b>	[1..1]			43
	<b>MessageFunction &lt;MsgFctn&gt;</b>	[1..1]			43
	<b>Function &lt;Fctn&gt;</b>	[1..1]	CodeSet		44
	<b>ATMServiceCode &lt;ATMSvcCd&gt;</b>	[0..1]	Text		45
	<b>HostServiceCode &lt;HstSvcCd&gt;</b>	[0..1]	Text		45
	<b>ProtocolVersion &lt;PrtcolVrsn&gt;</b>	[1..1]	Text		45
	<b>ExchangeIdentification &lt;XchgId&gt;</b>	[1..1]	Text		46
	<b>CreationDateTime &lt;CreDtTm&gt;</b>	[1..1]	DateTime		46
	<b>InitiatingParty &lt;InitgPty&gt;</b>	[1..1]	Text		46
	<b>RecipientParty &lt;RcptPty&gt;</b>	[0..1]	Text		46
	<b>ProcessState &lt;PrcStat&gt;</b>	[0..1]	Text		46
	<b>Traceability &lt;Tracblt&gt;</b>	[0..*]			46
	<b>RelayIdentification &lt;RlayId&gt;</b>	[1..1]	±		46
	<b>SequenceNumber &lt;SeqNb&gt;</b>	[0..1]	Text		47
	<b>TraceDateTimeln &lt;TracDtTmln&gt;</b>	[1..1]	DateTime		47
	<b>TraceDateTimeOut &lt;TracDtTmOut&gt;</b>	[1..1]	DateTime		47
	<b>ProtectedATMDeviceControl &lt;PrtctdATMDvcCtrl&gt;</b>	[0..1]	±		47
	<b>ATMDeviceControl &lt;ATMDvcCtrl&gt;</b>	[0..1]			47
	<b>Environment &lt;Envt&gt;</b>	[1..1]			49
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		49
	<b>ATMManager &lt;ATMMgr&gt;</b>	[0..1]	±		49
	<b>HostingEntity &lt;HstgNtty&gt;</b>	[0..1]	±		49
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		50
	<b>Command &lt;Cmd&gt;</b>	[0..*]			50
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		51
	<b>Urgency &lt;Urgcy&gt;</b>	[1..1]	CodeSet		52
	<b>DateTime &lt;DtTm&gt;</b>	[0..1]	DateTime		53
	<b>CommandIdentification &lt;CmdId&gt;</b>	[0..1]	±		53
	<b>Reason &lt;Rsn&gt;</b>	[0..1]	CodeSet		53

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TraceReason</b> <TracRsn>	[0..*]	CodeSet		53
	<b>AdditionalReasonInformation</b> <AddtlRsnInf>	[0..1]	Text		54
	<b>CommandParameters</b> <CmdParams>	[0..1]			54
{Or	<b>ATMRequiredGlobalStatus</b> <ATMReqrdGblSts>	[1..1]	CodeSet		55
Or	<b>ExpectedMessageFunction</b> <XpctdMsgFctn>	[1..1]	CodeSet		55
Or	<b>RequiredConfigurationParameter</b> <ReqrdCfgtnParam>	[1..1]			56
	<b>Type</b> <Tp>	[1..1]	CodeSet		56
	<b>Version</b> <Vrsn>	[1..1]	Text		57
Or	<b>RequiredSecurityScheme</b> <ReqrdSctySchme>	[1..1]	CodeSet		57
Or	<b>SecurityDevice</b> <SctyDvc>	[1..1]			57
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		57
	<b>RequiredConfiguration</b> <ReqrdCfgtn>	[0..1]	±		58
	<b>RequiredStatus</b> <ReqrdSts>	[0..1]	CodeSet		58
Or}	<b>Key</b> <Key>	[1..1]			58
	<b>KeyCategory</b> <KeyCtgy>	[0..1]	CodeSet		59
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		59
	<b>Certificate</b> <Cert>	[0..*]	Binary		59
	<b>KeyProperties</b> <KeyProps>	[0..*]			59
	<b>Name</b> <Nm>	[0..1]	Text		60
	<b>KeyIdentification</b> <KeyId>	[0..1]	Text		60
	<b>KeyVersion</b> <KeyVrsn>	[0..1]	Text		60
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			60
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		60
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		61
	<b>SignedData</b> <SgndData>	[0..1]	±		61

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			43
	<b>Function</b> <Fctn>	[1..1]	CodeSet		44
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		45
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		45
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		45
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		46
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		46
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		46
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		46
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		46
	<b>Traceability</b> <Tracblt>	[0..*]			46
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		46
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		47
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		47
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		47

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		44
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		45
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		45

#### 3.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 3.4.1.1.3 HostSERVICECODE <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 3.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

### 3.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

### 3.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 3.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		46
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		47
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		47
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		47

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 3.4.2 ProtectedATMDDeviceControl <PrtctdATMDvcCtrl>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDDeviceControl <PrtctdATMDvcCtrl>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 3.4.3 ATMDDeviceControl <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
	<b>Environment</b> <Envt>	[1..1]			49
	<b>Acquirer</b> <Acqrr>	[0..1]	±		49
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		49
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		49
	<b>ATM</b> <ATM>	[1..1]	±		50
	<b>Command</b> <Cmd>	[0..*]			50
	<b>Type</b> <Tp>	[1..1]	CodeSet		51
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		52
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		53
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		53
	<b>Reason</b> <Rsn>	[0..1]	CodeSet		53
	<b>TraceReason</b> <TracRsn>	[0..*]	CodeSet		53
	<b>AdditionalReasonInformation</b> <AddtlRsnInf>	[0..1]	Text		54
	<b>CommandParameters</b> <CmdParams>	[0..1]			54
{Or	<b>ATMRequiredGlobalStatus</b> <ATMReqrdGblSts>	[1..1]	CodeSet		55
Or	<b>ExpectedMessageFunction</b> <XpctdMsgFctn>	[1..1]	CodeSet		55
Or	<b>RequiredConfigurationParameter</b> <ReqrdCfgtnParam>	[1..1]			56
	<b>Type</b> <Tp>	[1..1]	CodeSet		56
	<b>Version</b> <Vrsn>	[1..1]	Text		57
Or	<b>RequiredSecurityScheme</b> <ReqrdSctySchme>	[1..1]	CodeSet		57
Or	<b>SecurityDevice</b> <SctyDvc>	[1..1]			57
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		57
	<b>RequiredConfiguration</b> <ReqrdCfgtn>	[0..1]	±		58
	<b>RequiredStatus</b> <ReqrdSts>	[0..1]	CodeSet		58
Or}	<b>Key</b> <Key>	[1..1]			58
	<b>KeyCategory</b> <KeyCtgy>	[0..1]	CodeSet		59
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		59
	<b>Certificate</b> <Cert>	[0..*]	Binary		59
	<b>KeyProperties</b> <KeyProps>	[0..*]			59
	<b>Name</b> <Nm>	[0..1]	Text		60

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>KeyIdentification</b> <KeyId>	[0..1]	Text		60
	<b>KeyVersion</b> <KeyVrsn>	[0..1]	Text		60

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		49
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		49
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		49
	<b>ATM</b> <ATM>	[1..1]	±		50

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 3.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		51
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		52
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		53
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		53
	<b>Reason</b> <Rsn>	[0..1]	CodeSet		53
	<b>TraceReason</b> <TracRsn>	[0..*]	CodeSet		53
	<b>AdditionalReasonInformation</b> <AddtlRsnInf>	[0..1]	Text		54
	<b>CommandParameters</b> <CmdParams>	[0..1]			54
{Or	<b>ATMRequiredGlobalStatus</b> <ATMReqrdGblSts>	[1..1]	CodeSet		55
Or	<b>ExpectedMessageFunction</b> <XpctdMsgFctn>	[1..1]	CodeSet		55
Or	<b>RequiredConfigurationParameter</b> <ReqrdCfgtnParam>	[1..1]			56
	<b>Type</b> <Tp>	[1..1]	CodeSet		56
	<b>Version</b> <Vrsn>	[1..1]	Text		57
Or	<b>RequiredSecurityScheme</b> <ReqrdSctySchme>	[1..1]	CodeSet		57
Or	<b>SecurityDevice</b> <SctyDvc>	[1..1]			57
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		57
	<b>RequiredConfiguration</b> <ReqrdCfgtn>	[0..1]	±		58
	<b>RequiredStatus</b> <ReqrdSts>	[0..1]	CodeSet		58
Or}	<b>Key</b> <Key>	[1..1]			58
	<b>KeyCategory</b> <KeyCtgy>	[0..1]	CodeSet		59
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		59
	<b>Certificate</b> <Cert>	[0..*]	Binary		59
	<b>KeyProperties</b> <KeyProps>	[0..*]			59
	<b>Name</b> <Nm>	[0..1]	Text		60
	<b>KeyIdentification</b> <KeyId>	[0..1]	Text		60
	<b>KeyVersion</b> <KeyVrsn>	[0..1]	Text		60

### 3.4.3.2.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand7Code" on page 1535

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 1570

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 1572

### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

### 3.4.3.2.5 Reason <Rsn>

*Presence:* [0..1]

*Definition:* Reason for sending the command.

*Datatype:* "ATMCommandReason1Code" on page 1536

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 1536

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 1578

#### 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	<b>ATMRequiredGlobalStatus</b> <ATMReqrdGblSts>	[1..1]	CodeSet		55
Or	<b>ExpectedMessageFunction</b> <XpctdMsgFctn>	[1..1]	CodeSet		55
Or	<b>RequiredConfigurationParameter</b> <ReqrdCfgtnParam>	[1..1]			56
	<b>Type</b> <Tp>	[1..1]	CodeSet		56
	<b>Version</b> <Vrsn>	[1..1]	Text		57
Or	<b>RequiredSecurityScheme</b> <ReqrdSctySchme>	[1..1]	CodeSet		57
Or	<b>SecurityDevice</b> <SctyDvc>	[1..1]			57
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		57
	<b>RequiredConfiguration</b> <ReqrdCfgtn>	[0..1]	±		58
	<b>RequiredStatus</b> <ReqrdSts>	[0..1]	CodeSet		58
Or}	<b>Key</b> <Key>	[1..1]			58
	<b>KeyCategory</b> <KeyCtgy>	[0..1]	CodeSet		59
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		59
	<b>Certificate</b> <Cert>	[0..*]	Binary		59
	<b>KeyProperties</b> <KeyProps>	[0..*]			59
	<b>Name</b> <Nm>	[0..1]	Text		60
	<b>KeyIdentification</b> <KeyId>	[0..1]	Text		60
	<b>KeyVersion</b> <KeyVrsn>	[0..1]	Text		60

#### 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 1547

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 1562

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
	<b>Type</b> <Tp>	[1..1]	CodeSet		56
	<b>Version</b> <Vrsn>	[1..1]	Text		57

#### 3.4.3.2.8.3.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

### 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 1542

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
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		57
	<b>RequiredConfiguration</b> <ReqrdCfgtn>	[0..1]	±		58
	<b>RequiredStatus</b> <ReqrdSts>	[0..1]	CodeSet		58

### 3.4.3.2.8.5.1 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the device.

*Datatype:* "Max35Text" on page 1577

### 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 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1428
	Encryption <Ncrptn>	[0..1]	±		1428
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1429
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1430
	DigitalSignature <DgtlSgntr>	[0..1]	±		1430
	PIN <PIN>	[0..1]	±		1431
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1431

### 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 1547

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
	<b>KeyCategory</b> <KeyCtgy>	[0..1]	CodeSet		59
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		59
	<b>Certificate</b> <Cert>	[0..*]	Binary		59
	<b>KeyProperties</b> <KeyProps>	[0..*]			59
	<b>Name</b> <Nm>	[0..1]	Text		60
	<b>KeyIdentification</b> <KeyId>	[0..1]	Text		60
	<b>KeyVersion</b> <KeyVrsn>	[0..1]	Text		60

#### 3.4.3.2.8.6.1 KeyCategory <KeyCtgy>

*Presence:* [0..1]

*Definition:* Category of the cryptographic key.

*Datatype:* "CryptographicKeyType4Code" on page 1553

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 1526

#### 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 1527

#### 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
	<b>Name</b> <Nm>	[0..1]	Text		60
	<b>KeyIdentification</b> <KeyId>	[0..1]	Text		60
	<b>KeyVersion</b> <KeyVrsn>	[0..1]	Text		60

#### 3.4.3.2.8.6.4.1 Name <Nm>

*Presence:* [0..1]

*Definition:* Name or label of the key.

*Datatype:* "Max140Text" on page 1576

#### 3.4.3.2.8.6.4.2 KeyIdentification <KeyId>

*Presence:* [0..1]

*Definition:* Identification of the cryptographic key.

*Datatype:* "Max140Text" on page 1576

#### 3.4.3.2.8.6.4.3 KeyVersion <KeyVrsn>

*Presence:* [0..1]

*Definition:* Version of the cryptographic key.

*Datatype:* "Max140Text" on page 1576

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		60
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		61
	<b>SignedData</b> <SgndData>	[0..1]	±		61

#### 3.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552



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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

### 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 1491 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1492
	DigestAlgorithm <DgstAlgo>	[1..*]			1493
	Algorithm <Algo>	[1..1]	CodeSet		1493
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1493
	Certificate <Cert>	[0..*]	Binary		1493
	Signer <Sgnr>	[1..*]			1494
	Version <Vrsn>	[0..1]	Quantity		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

## **4 caam.003.001.04 ATMKeyDownloadRequestV04**

### **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 ATMKeyDownloadRequestV04 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]			
	<b>Header</b> <Hdr>	[1..1]			66
	<b>MessageFunction</b> <MsgFctn>	[1..1]			67
	<b>Function</b> <Fctn>	[1..1]	CodeSet		67
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		69
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		69
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		69
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		69
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		69
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		69
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		70
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		70
	<b>Traceability</b> <Tracblt>	[0..*]			70
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		70
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		70
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		71
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		71
	<b>ProtectedATMKeyDownloadRequest</b> <PrtctdATMKeyDwnldReq>	[0..1]	±		71
	<b>ATMKeyDownloadRequest</b> <ATMKeyDwnldReq>	[0..1]			71
	<b>Environment</b> <Envnt>	[1..1]			73
	<b>Acquirer</b> <Acqrr>	[0..1]	±		73
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		74
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		74
	<b>ATM</b> <ATM>	[1..1]	±		74
	<b>CommandResult</b> <CmdRslt>	[0..*]			76
	<b>Type</b> <Tp>	[1..1]	CodeSet		76
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		77
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		77
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		77

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Result</b> <Rslt>	[1..1]	CodeSet		77
	<b>AdditionalErrorInformation</b> <AddtlErrInf>	[0..1]	Text		78
	<b>CommandContext</b> <CmdCntxt>	[0..1]			78
	<b>Type</b> <Tp>	[1..1]	CodeSet		78
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		79
	<b>ATMSecurityContext</b> <ATMSctyCntxt>	[1..1]			79
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		80
	<b>DeviceProperty</b> <DvcPrprty>	[0..1]	±		80
	<b>CurrentConfiguration</b> <CurCfgr>	[0..1]	±		81
	<b>ATMSecurityParameters</b> <ATMSctyParams>	[1..1]			81
	<b>Key</b> <Key>	[0..1]			82
	<b>Name</b> <Nm>	[0..1]	Text		83
	<b>Identification</b> <Id>	[0..1]	Text		83
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		83
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		84
	<b>Version</b> <Vrsn>	[0..1]	Text		84
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		84
	<b>Type</b> <Tp>	[0..1]	CodeSet		84
	<b>Function</b> <Fctn>	[0..*]	CodeSet		85
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		85
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		85
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		85
	<b>PublicKeyValue</b> <PblcKeyVal>	[0..1]			86
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		86
	<b>Exponent</b> <Expnt>	[1..1]	Binary		86
	<b>KeyChoiceValue</b> <KeyChcVal>	[0..1]			86
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		86
Or}	<b>TRRRelatedData</b> <TRRltdData>	[0..1]			87
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		87
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		87
	<b>SignatureChoice</b> <SgntrChc>	[0..1]			87

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>DigitalSignature</b> <DgtlSgntr>	[0..1]	±		88
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			88
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		88
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		89
	<b>Certificate</b> <Cert>	[0..*]	Binary		89
	<b>ATMChallenge</b> <ATMChllng>	[0..1]	Binary		89
	<b>RequestedKey</b> <ReqdKey>	[0..1]	Text		89
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		89
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			89
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		89
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		90
	<b>SignedData</b> <SgndData>	[0..1]	±		90

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			67
	<b>Function</b> <Fctn>	[1..1]	CodeSet		67
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		69
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		69
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		69
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		69
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		69
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		69
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		70
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		70
	<b>Traceability</b> <Tracblt>	[0..*]			70
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		70
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		70
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		71
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		71

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		67
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		69
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		69

##### 4.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 4.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 4.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 4.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 4.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 4.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

Datatype: "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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]	±		70
	SequenceNumber <SeqNb>	[0..1]	Text		70
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		71
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		71

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 4.4.2 ProtectedATMKeyDownloadRequest <PrtctdATMKeyDwnldReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMKeyDownloadRequest <PrtctdATMKeyDwnldReq>** contains the following elements  
(see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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  
**ATMKeyDownloadRequest5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]			73
	<b>Acquirer</b> <Acqrr>	[0..1]	±		73
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		74
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		74
	<b>ATM</b> <ATM>	[1..1]	±		74
	<b>CommandResult</b> <CmdRslt>	[0..*]			76
	<b>Type</b> <Tp>	[1..1]	CodeSet		76
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		77
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		77
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		77
	<b>Result</b> <Rslt>	[1..1]	CodeSet		77
	<b>AdditionalErrorInformation</b> <AddtlErrInf>	[0..1]	Text		78
	<b>CommandContext</b> <CmdCntxt>	[0..1]			78
	<b>Type</b> <Tp>	[1..1]	CodeSet		78
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		79
	<b>ATMSecurityContext</b> <ATMSctyCntxt>	[1..1]			79
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		80
	<b>DeviceProperty</b> <DvcPrprty>	[0..1]	±		80
	<b>CurrentConfiguration</b> <CurCfgtn>	[0..1]	±		81
	<b>ATMSecurityParameters</b> <ATMSctyParams>	[1..1]			81
	<b>Key</b> <Key>	[0..1]			82
	<b>Name</b> <Nm>	[0..1]	Text		83
	<b>Identification</b> <Id>	[0..1]	Text		83
	<b>SecurityDomainIdentification</b> <SctyDomnld>	[0..1]	Text		83
	<b>AdditionalIdentification</b> <Addtlld>	[0..1]	Binary		84
	<b>Version</b> <Vrsn>	[0..1]	Text		84
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		84
	<b>Type</b> <Tp>	[0..1]	CodeSet		84
	<b>Function</b> <Fctn>	[0..*]	CodeSet		85
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		85

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		85
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		85
	<b>PublicKeyValue</b> <PblcKeyVal>	[0..1]			86
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		86
	<b>Exponent</b> <Expnt>	[1..1]	Binary		86
	<b>KeyChoiceValue</b> <KeyChcVal>	[0..1]			86
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		86
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			87
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		87
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		87
	<b>SignatureChoice</b> <SgntrChc>	[0..1]			87
{Or	<b>DigitalSignature</b> <DgtlSgntr>	[0..1]	±		88
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			88
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		88
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		89
	<b>Certificate</b> <Cert>	[0..*]	Binary		89
	<b>ATMChallenge</b> <ATMChllng>	[0..1]	Binary		89
	<b>RequestedKey</b> <ReqdKey>	[0..1]	Text		89
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		89

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		73
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		74
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		74
	<b>ATM</b> <ATM>	[1..1]	±		74

##### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 4.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 4.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine6" on page 1447 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1449
	AdditionalIdentification <AddtlId>	[0..1]	Text		1449
	SequenceNumber <SeqNb>	[0..1]	Text		1449
	Location <Lctn>	[0..1]			1449
	AddressLine <AdrLine>	[0..2]	Text		1450
	StreetName <StrtNm>	[0..1]	Text		1450
	BuildingNumber <BldgNb>	[0..1]	Text		1450
	PostCode <PstCd>	[0..1]	Text		1450
	TownName <TwnNm>	[1..1]	Text		1450
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1450
	Country <Ctry>	[1..1]	CodeSet	C1	1450
	GeoLocation <GLctn>	[0..1]			1451
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1451
	Latitude <Lat>	[1..1]	Text		1451
	Longitude <Long>	[1..1]	Text		1451
Or}	UTMCoordinates <UTMCordints>	[1..1]			1452
	UTMZone <UTMZone>	[1..1]	Text		1452
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1452
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1452
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1452
	Equipment <Eqpmnt>	[0..1]			1453
	Manufacturer <Manfctr>	[0..1]	Text		1453
	Model <Mdl>	[0..1]	Text		1453
	SerialNumber <SrlNb>	[0..1]	Text		1453
	ApplicationProvider <AppIPrvdr>	[0..1]	Text		1453
	ApplicationName <AppINm>	[0..1]	Text		1453
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1454
	ApprovalNumber <ApprvINb>	[0..1]	Text		1454
	ConfigurationParameter <CfgrtnParam>	[0..*]			1454
	Type <Tp>	[1..1]	CodeSet		1454
	Version <Vrsn>	[1..1]	Text		1455

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		76
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		77
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		77
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		77
	<b>Result</b> <Rslt>	[1..1]	CodeSet		77
	<b>AdditionalErrorInformation</b> <AddtlErrInf>	[0..1]	Text		78

##### 4.4.3.2.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand7Code" on page 1535

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 1572

#### 4.4.3.2.3 ProcessedDateTime <PrccdDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODatetime" on page 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 4.4.3.2.5 Result <RsIt>

*Presence:* [1..1]

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

*Datatype:* "TerminalManagementActionResult2Code" on page 1570

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 1576

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		78
	<b>CommandIdentification &lt;CmdId&gt;</b>	[0..1]	±		79

##### 4.4.3.3.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand7Code" on page 1535

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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		80
	<b>DeviceProperty</b> <DvcPrprty>	[0..1]	±		80
	<b>CurrentConfiguration</b> <CurCfgrn>	[0..1]	±		81

#### 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 1541

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	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 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1444
	Model <Mdl>	[0..1]	Text		1445
	Version <Vrsn>	[0..1]	Text		1445
	SerialNumber <SrlNb>	[0..1]	Text		1445
	SignedSerialNumber <SgndSrlNb>	[0..1]	±		1445
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		1445
	FirmwareIdentification <Frmwrld>	[0..1]	Text		1445
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		1445

#### 4.4.3.4.3 CurrentConfiguration <CurCfgrtn>

*Presence:* [0..1]

*Definition:* Configuration parameters in use by the security device.

**CurrentConfiguration <CurCfgrtn>** contains the following elements (see "ATMSecurityConfiguration1" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1428
	Encryption <Ncrptn>	[0..1]	±		1428
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1429
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1430
	DigitalSignature <DgtlSgntr>	[0..1]	±		1430
	PIN <PIN>	[0..1]	±		1431
	MessageProtection <MsgPrctn>	[0..*]	CodeSet		1431

#### 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 **SecurityParameters9** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Key</b> <Key>	[0..1]			82
	<b>Name</b> <Nm>	[0..1]	Text		83
	<b>Identification</b> <Id>	[0..1]	Text		83
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		83
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		84
	<b>Version</b> <Vrsn>	[0..1]	Text		84
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		84
	<b>Type</b> <Tp>	[0..1]	CodeSet		84
	<b>Function</b> <Fctn>	[0..*]	CodeSet		85
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		85
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		85
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		85
	<b>PublicKeyValue</b> <PblcKeyVal>	[0..1]			86
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		86
	<b>Exponent</b> <Expnt>	[1..1]	Binary		86
	<b>KeyChoiceValue</b> <KeyChcVal>	[0..1]			86
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		86
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			87
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		87
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		87
	<b>SignatureChoice</b> <SgntrChc>	[0..1]			87
{Or	<b>DigitalSignature</b> <DgtlSgntr>	[0..1]	±		88
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			88
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		88
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		89
	<b>Certificate</b> <Cert>	[0..*]	Binary		89
	<b>ATMChallenge</b> <ATMChllng>	[0..1]	Binary		89
	<b>RequestedKey</b> <ReqdKey>	[0..1]	Text		89

#### 4.4.3.5.1 Key <Key>

*Presence:* [0..1]

*Definition:* Cryptographic key used to protect the key download.

**Key <Key>** contains the following **CryptographicKey12** elements

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

#### 4.4.3.5.1.1 Name <Nm>

*Presence:* [0..1]

*Definition:* Name or label of the key.

*Datatype:* "Max140Text" on page 1576

#### 4.4.3.5.1.2 Identification <Id>

*Presence:* [0..1]

*Definition:* Name of the cryptographic key.

*Datatype:* "Max140Text" on page 1576

#### 4.4.3.5.1.3 SecurityDomainIdentification <SctyDomnId>

*Presence:* [0..1]

*Definition:* Identification of the security domain.

*Datatype:* "Max35Text" on page 1577

#### 4.4.3.5.1.4 AdditionalIdentification <AddtIId>

*Presence:* [0..1]

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

*Datatype:* "Max35Binary" on page 1527

#### 4.4.3.5.1.5 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the cryptographic key.

*Datatype:* "Max256Text" on page 1577

#### 4.4.3.5.1.6 SequenceCounter <SeqCntr>

*Presence:* [0..1]

*Definition:* Sequence counter of the cryptographic key.

*Datatype:* "Number" on page 1574

#### 4.4.3.5.1.7 Type <Tp>

*Presence:* [0..1]

*Definition:* Type of algorithm used by the cryptographic key.

*Datatype:* "CryptographicKeyType3Code" on page 1552

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).



#### 4.4.3.5.1.8 Function <Fctn>

*Presence:* [0..\*]

*Definition:* Allowed usage of the key.

*Datatype:* "KeyUsage1Code" on page 1558

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.

#### 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 1572

#### 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 1572

#### 4.4.3.5.1.11 KeyCheckValue <KeyChckVal>

*Presence:* [0..1]

*Definition:* Value for checking a cryptographic key.

*Datatype:* "Max35Binary" on page 1527

#### 4.4.3.5.1.12 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
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		86
	<b>Exponent</b> <Expnt>	[1..1]	Binary		86

##### 4.4.3.5.1.12.1 Modulus <Mdlus>

*Presence:* [1..1]

*Definition:* Modulus of the RSA key.

*Datatype:* "Max5000Binary" on page 1527

##### 4.4.3.5.1.12.2 Exponent <Expnt>

*Presence:* [1..1]

*Definition:* Public exponent of the RSA key.

*Datatype:* "Max5000Binary" on page 1527

#### 4.4.3.5.1.13 KeyChoiceValue <KeyChcVal>

*Presence:* [0..1]

*Definition:* Element containing the key information.

**KeyChoiceValue <KeyChcVal>** contains one of the following **KeyChoiceValue2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		86
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			87
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		87
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		87

##### 4.4.3.5.1.13.1 EncryptedKeyValue <NcrptdKeyVal>

*Presence:* [0..1]

*Definition:* Encrypted value of the cryptographic key.

**EncryptedKeyValue <NcrptdKeyVal>** contains the following elements (see  
"ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 4.4.3.5.1.13.2 TRRelatedData <TRRltdData>

*Presence:* [0..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		87
	TRBlock <TRBlck>	[0..1]	Binary		87

#### 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 1570

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.

#### 4.4.3.5.1.13.2.2 TRBlock <TRBlck>

*Presence:* [0..1]

*Definition:* TR31 or TR34 data block.

*Datatype:* "Max100KBinary" on page 1526

#### 4.4.3.5.2 SignatureChoice <SgntrChc>

*Presence:* [0..1]

*Definition:* Element containing the signature.

**SignatureChoice <SgntrChc>** contains one of the following **ATMSignature2Choice** elements

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

#### 4.4.3.5.2.1 DigitalSignature <DgtlSgntr>

*Presence:* [0..1]

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

**DigitalSignature <DgtlSgntr>** contains the following elements (see "[ContentInformationType14](#)" on page 1490 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1490
	SignedData <SgndData>	[1..1]	±		1490

#### 4.4.3.5.2.2 TRRelatedData <TRRltdData>

*Presence:* [0..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
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		88
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		89

#### 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 1570

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 TRBlock <TRBlck>

*Presence:* [0..1]

*Definition:* TR31 or TR34 data block.

*Datatype:* "Max100KBinary" on page 1526

#### 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 1527

#### 4.4.3.5.4 ATMChallenge <ATMChllng>

*Presence:* [0..1]

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

*Datatype:* "Max140Binary" on page 1526

#### 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 1577

#### 4.4.3.6 HostChallenge <HstChllng>

*Presence:* [0..1]

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

*Datatype:* "Max140Binary" on page 1526

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		89
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		90
	<b>SignedData</b> <SgndData>	[0..1]	±		90

#### 4.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

#### 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 1491 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1492
	DigestAlgorithm <DgstAlgo>	[1..*]			1493
	Algorithm <Algo>	[1..1]	CodeSet		1493
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1493
	Certificate <Cert>	[0..*]	Binary		1493
	Signer <Sgnr>	[1..*]			1494
	Version <Vrsn>	[0..1]	Quantity		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

## **5 caam.004.001.04 ATMKeyDownloadResponseV04**

### **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 ATMKeyDownloadResponseV04 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]			
	<b>Header</b> <Hdr>	[1..1]			95
	<b>MessageFunction</b> <MsgFctn>	[1..1]			96
	<b>Function</b> <Fctn>	[1..1]	CodeSet		96
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		98
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		98
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		98
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		98
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		98
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		98
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		99
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		99
	<b>Traceability</b> <Tracblt>	[0..*]			99
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		99
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		99
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		100
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		100
	<b>ProtectedATMKeyDownloadResponse</b> <PrctcdATMKeyDwnldRspn>	[0..1]	±		100
	<b>ATMKeyDownloadResponse</b> <ATMKeyDwnldRspn>	[0..1]			100
	<b>Environment</b> <Envnt>	[1..1]			102
	<b>Acquirer</b> <Acqrr>	[0..1]	±		102
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		103
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		103
	<b>ATM</b> <ATM>	[1..1]	±		103
	<b>ATMSecurityContext</b> <ATMSctyCntxt>	[1..1]			104
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		104
	<b>DeviceProperty</b> <DvcPrprty>	[0..1]	±		105
	<b>CurrentConfiguration</b> <CurCfgrtn>	[0..1]	±		105
	<b>ATMChallenge</b> <ATMChllng>	[0..1]	Binary		106

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>HostSecurityParameters</b> <HstSctyParams>	[1..1]			106
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		107
	<b>Key</b> <Key>	[0..*]			108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>Identification</b> <Id>	[0..1]	Text		108
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		109
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		109
	<b>Version</b> <Vrsn>	[0..1]	Text		109
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		109
	<b>Type</b> <Tp>	[0..1]	CodeSet		109
	<b>Function</b> <Fctn>	[0..*]	CodeSet		110
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		110
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		110
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		111
	<b>PublicKeyValue</b> <PblcKeyVal>	[0..1]			111
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		111
	<b>Exponent</b> <Expnt>	[1..1]	Binary		111
	<b>KeyChoiceValue</b> <KeyChcVal>	[0..1]			111
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		111
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			112
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		112
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		112
	<b>SignatureChoice</b> <SgntrChc>	[0..1]			112
{Or	<b>DigitalSignature</b> <DgtlSgntr>	[0..1]	±		113
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			113
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		113
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		114
	<b>Command</b> <Cmd>	[0..*]			114
	<b>Type</b> <Tp>	[1..1]	CodeSet		114
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		115
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		115

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		115
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		116
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			116
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		116
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		117
	<b>SignedData</b> <SgndData>	[0..1]	±		117

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			96
	<b>Function</b> <Fctn>	[1..1]	CodeSet		96
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		98
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		98
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		98
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		98
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		98
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		98
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		99
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		99
	<b>Traceability</b> <Tracblt>	[0..*]			99
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		99
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		99
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		100
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		100

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		96
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		98
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		98

##### 5.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 5.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 5.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 5.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 5.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		99
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		99
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		100
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		100

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 5.4.2 ProtectedATMKeyDownloadResponse <PrtctdATMKeyDwnldRspn>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMKeyDownloadResponse <PrtctdATMKeyDwnldRspn>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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  
**ATMKeyDownloadResponse5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[1..1]			102
	<b>Acquirer</b> <Acqrr>	[0..1]	±		102
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		103
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		103
	<b>ATM</b> <ATM>	[1..1]	±		103
	<b>ATMSecurityContext</b> <ATMSctyCntxt>	[1..1]			104
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		104
	<b>DeviceProperty</b> <DvcPrpty>	[0..1]	±		105
	<b>CurrentConfiguration</b> <CurCfgtn>	[0..1]	±		105
	<b>ATMChallenge</b> <ATMChllng>	[0..1]	Binary		106
	<b>HostSecurityParameters</b> <HstSctyParams>	[1..1]			106
	<b>HostChallenge</b> <HstChllng>	[0..1]	Binary		107
	<b>Key</b> <Key>	[0..*]			108
	<b>Name</b> <Nm>	[0..1]	Text		108
	<b>Identification</b> <Id>	[0..1]	Text		108
	<b>SecurityDomainIdentification</b> <SctyDomnId>	[0..1]	Text		109
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Binary		109
	<b>Version</b> <Vrsn>	[0..1]	Text		109
	<b>SequenceCounter</b> <SeqCntr>	[0..1]	Quantity		109
	<b>Type</b> <Tp>	[0..1]	CodeSet		109
	<b>Function</b> <Fctn>	[0..*]	CodeSet		110
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		110
	<b>DeactivationDate</b> <DeactvtnDt>	[0..1]	DateTime		110
	<b>KeyCheckValue</b> <KeyChckVal>	[0..1]	Binary		111
	<b>PublicKeyValue</b> <PblcKeyVal>	[0..1]			111
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		111
	<b>Exponent</b> <Expnt>	[1..1]	Binary		111
	<b>KeyChoiceValue</b> <KeyChcVal>	[0..1]			111
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		111
Or}	<b>TRRRelatedData</b> <TRRltdData>	[0..1]			112

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		112
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		112
	<b>SignatureChoice</b> <SgntrChc>	[0..1]			112
{Or	<b>DigitalSignature</b> <DgtlSgntr>	[0..1]	±		113
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			113
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		113
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		114
	<b>Command</b> <Cmd>	[0..*]			114
	<b>Type</b> <Tp>	[1..1]	CodeSet		114
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		115
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		115
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		115
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		116

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		102
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		103
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		103
	<b>ATM</b> <ATM>	[1..1]	±		103

##### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 5.4.3.1.2 ATMMManager <ATMMgr>

*Presence:* [0..1]

*Definition:* Institution in charge of managing the ATM.

**ATMMManager <ATMMgr>** contains the following elements (see "[Acquirer8](#)" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 5.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

#### 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
	<b>CurrentSecurityScheme</b> <CurSctySchme>	[1..1]	CodeSet		104
	<b>DeviceProperty</b> <DvcPrprty>	[0..1]	±		105
	<b>CurrentConfiguration</b> <CurCfgr>	[0..1]	±		105

##### 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 1541

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 1444 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Manufacturer <Manfctr>	[0..1]	Text		1444
	Model <Mdl>	[0..1]	Text		1445
	Version <Vrsn>	[0..1]	Text		1445
	SerialNumber <SrlNb>	[0..1]	Text		1445
	SignedSerialNumber <SgndSrlNb>	[0..1]	±		1445
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		1445
	FirmwareIdentification <Frmwrld>	[0..1]	Text		1445
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		1445

#### 5.4.3.2.3 CurrentConfiguration <CurCfgtn>

*Presence:* [0..1]

*Definition:* Configuration parameters in use by the security device.

**CurrentConfiguration <CurCfgrn>** contains the following elements (see "[ATMSecurityConfiguration1](#)" on page 1428 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Keys <Keys>	[0..1]	±		1428
	Encryption <Ncrptn>	[0..1]	±		1428
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1429
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1430
	DigitalSignature <DgtlSgntr>	[0..1]	±		1430
	PIN <PIN>	[0..1]	±		1431
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1431

#### 5.4.3.3 ATMChallenge <ATMChllng>

*Presence:* [0..1]

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

*Datatype:* "[Max140Binary](#)" on page 1526

#### 5.4.3.4 HostSecurityParameters <HstSctyParams>

*Presence:* [1..1]

*Definition:* Security parameters of the host downloading the key.

**HostSecurityParameters <HstSctyParams>** contains the following **SecurityParameters10** elements

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

#### 5.4.3.4.1 HostChallenge <HstChllng>

*Presence:* [0..1]

*Definition:* Random value from the host.

*Datatype:* "Max140Binary" on page 1526

#### 5.4.3.4.2 Key <Key>

*Presence:* [0..\*]

*Definition:* Cryptographic key used to store in the ATM.

**Key <Key>** contains the following **CryptographicKey12** elements

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

##### 5.4.3.4.2.1 Name <Nm>

*Presence:* [0..1]

*Definition:* Name or label of the key.

*Datatype:* "Max140Text" on page 1576

##### 5.4.3.4.2.2 Identification <Id>

*Presence:* [0..1]

*Definition:* Name of the cryptographic key.

*Datatype:* "Max140Text" on page 1576



#### 5.4.3.4.2.3 SecurityDomainIdentification <SctyDomnId>

*Presence:* [0..1]

*Definition:* Identification of the security domain.

*Datatype:* "Max35Text" on page 1577

#### 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 1527

#### 5.4.3.4.2.5 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the cryptographic key.

*Datatype:* "Max256Text" on page 1577

#### 5.4.3.4.2.6 SequenceCounter <SeqCntr>

*Presence:* [0..1]

*Definition:* Sequence counter of the cryptographic key.

*Datatype:* "Number" on page 1574

#### 5.4.3.4.2.7 Type <Tp>

*Presence:* [0..1]

*Definition:* Type of algorithm used by the cryptographic key.

*Datatype:* "CryptographicKeyType3Code" on page 1552

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).

#### 5.4.3.4.2.8 Function <Fctn>

*Presence:* [0..\*]

*Definition:* Allowed usage of the key.

*Datatype:* "KeyUsage1Code" on page 1558

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.

#### 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 1572

#### 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 1572

#### 5.4.3.4.2.11 KeyCheckValue <KeyChckVal>

*Presence:* [0..1]

*Definition:* Value for checking a cryptographic key.

*Datatype:* "Max35Binary" on page 1527

#### 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
	<b>Modulus</b> <Mdlus>	[1..1]	Binary		111
	<b>Exponent</b> <Expnt>	[1..1]	Binary		111

##### 5.4.3.4.2.12.1 Modulus <Mdlus>

*Presence:* [1..1]

*Definition:* Modulus of the RSA key.

*Datatype:* "Max5000Binary" on page 1527

##### 5.4.3.4.2.12.2 Exponent <Expnt>

*Presence:* [1..1]

*Definition:* Public exponent of the RSA key.

*Datatype:* "Max5000Binary" on page 1527

#### 5.4.3.4.2.13 KeyChoiceValue <KeyChcVal>

*Presence:* [0..1]

*Definition:* Element containing the key information.

**KeyChoiceValue <KeyChcVal>** contains one of the following **KeyChoiceValue2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>EncryptedKeyValue</b> <NcrptdKeyVal>	[0..1]	±		111
Or}	<b>TRRelatedData</b> <TRRltdData>	[0..1]			112
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		112
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		112

##### 5.4.3.4.2.13.1 EncryptedKeyValue <NcrptdKeyVal>

*Presence:* [0..1]

*Definition:* Encrypted value of the cryptographic key.

**EncryptedKeyValue <NcrptdKeyVal>** contains the following elements (see  
"ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 5.4.3.4.2.13.2 TRRelatedData <TRRltdData>

*Presence:* [0..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		112
	TRBlock <TRBlck>	[0..1]	Binary		112

#### 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 1570

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 1526

#### 5.4.3.4.3 SignatureChoice <SgntrChc>

*Presence:* [0..1]

*Definition:* Element containing the signature.

**SignatureChoice <SgntrChc>** contains one of the following **ATMSignature2Choice** elements

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

#### 5.4.3.4.3.1 DigitalSignature <DgtlSgntr>

*Presence:* [0..1]

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

**DigitalSignature <DgtlSgntr>** contains the following elements (see "[ContentInformationType14](#)" on page 1490 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1490
	SignedData <SgndData>	[1..1]	±		1490

#### 5.4.3.4.3.2 TRRelatedData <TRRltdData>

*Presence:* [0..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
	<b>TR34Command</b> <TR34Cmd>	[0..1]	CodeSet		113
	<b>TRBlock</b> <TRBlck>	[0..1]	Binary		114

#### 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 1570

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 1526

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		114
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		115
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		115
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		115
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		116

#### 5.4.3.5.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand7Code" on page 1535

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.

CodeName	Name	Definition
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 1570

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.

#### 5.4.3.5.3 DateTime <DtTm>

*Presence:* [0..1]

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

*Datatype:* "ISODatetime" on page 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		116
	<b>AuthenticatedData</b> <AuthntcdData>	[0..1]	±		117
	<b>SignedData</b> <SgndData>	[0..1]	±		117

#### 5.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552



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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

#### 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 1491 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1492
	DigestAlgorithm <DgstAlgo>	[1..*]			1493
	Algorithm <Algo>	[1..1]	CodeSet		1493
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1493
	Certificate <Cert>	[0..*]	Binary		1493
	Signer <Sgnr>	[1..*]			1494
	Version <Vrsn>	[0..1]	Quantity		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

## **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
	Message root <Document> <ATMDgnstcReq>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			121
	<b>MessageFunction</b> <MsgFctn>	[1..1]			121
	<b>Function</b> <Fctn>	[1..1]	CodeSet		122
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		123
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		123
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		123
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		123
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		123
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		124
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		124
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		124
	<b>Traceability</b> <Tracblt>	[0..*]			124
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		124
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		125
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		125
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		125
	<b>ProtectedATMDiagnosticRequest</b> <PrtctdATMDgnstcReq>	[0..1]	±		125
	<b>ATMDiagnosticRequest</b> <ATMDgnstcReq>	[0..1]			125
	<b>Environment</b> <Envt>	[1..1]			126
	<b>Acquirer</b> <Acqrr>	[0..1]	±		126
	<b>ATMManagerIdentification</b> <ATMMgrId>	[0..1]	Text		126
	<b>ATM</b> <ATM>	[1..1]	±		127
	<b>ATMGlobalStatus</b> <ATMGblSts>	[1..1]			127
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		127
	<b>CurrentStatusReason</b> <CurStsRsn>	[0..*]	Text		127
	<b>DemandedStatus</b> <DmnddSts>	[0..1]	CodeSet		127
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			128
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		128
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		128

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			121
	<b>Function</b> <Fctn>	[1..1]	CodeSet		122
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		123
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		123
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		123
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		123
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		123
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		124
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		124
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		124
	<b>Traceability</b> <Tracblt>	[0..*]			124
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		124
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		125
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		125
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		125

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		122
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		123
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		123

### 6.3.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 6.3.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 6.3.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 6.3.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 6.3.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		124
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		125
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		125
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		125

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 6.3.2 ProtectedATMDiagnosticRequest <PrtctdATMDgnstcReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDiagnosticRequest <PrtctdATMDgnstcReq>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment &lt;Envt&gt;</b>	[1..1]			126
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		126
	<b>ATMManagerIdentification &lt;ATMMgrld&gt;</b>	[0..1]	Text		126
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		127
	<b>ATMGlobalStatus &lt;ATMGblSts&gt;</b>	[1..1]			127
	<b>CurrentStatus &lt;CurSts&gt;</b>	[1..1]	CodeSet		127
	<b>CurrentStatusReason &lt;CurStsRsn&gt;</b>	[0..*]	Text		127
	<b>DemandedStatus &lt;DmnddSts&gt;</b>	[0..1]	CodeSet		127

### 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
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		126
	<b>ATMManagerIdentification &lt;ATMMgrld&gt;</b>	[0..1]	Text		126
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		127

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrglInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 6.3.3.1.2 ATMManagerIdentification <ATMMgrld>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 6.3.3.1.3 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine7" on page 1463 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1463
	AdditionalIdentification <AddtlId>	[0..1]	Text		1463
	SequenceNumber <SeqNb>	[0..1]	Text		1464

### 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
	<b>CurrentStatus</b> <CurSts>	[1..1]	CodeSet		127
	<b>CurrentStatusReason</b> <CurStsRsn>	[0..*]	Text		127
	<b>DemandedStatus</b> <DmnddSts>	[0..1]	CodeSet		127

#### 6.3.3.2.1 CurrentStatus <CurSts>

*Presence:* [1..1]

*Definition:* Actual status of the ATM.

*Datatype:* "ATMStatus1Code" on page 1547

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 1577

#### 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 1547

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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		128
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		128

### 6.3.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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
	<i>Message root &lt;Document&gt; &lt;ATMDgnstcRspn&gt;</i>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			132
	<b>MessageFunction</b> <MsgFctn>	[1..1]			133
	<b>Function</b> <Fctn>	[1..1]	CodeSet		133
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		135
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		135
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		135
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		135
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		135
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		135
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		136
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		136
	<b>Traceability</b> <Tracblt>	[0..*]			136
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		136
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		136
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		137
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		137
	<b>ProtectedATMDiagnosticResponse</b> <PrctcdATMDgnstcRspn>	[0..1]	±		137
	<b>ATMDiagnosticResponse</b> <ATMDgnstcRspn>	[0..1]			137
	<b>Environment</b> <Envt>	[1..1]			138
	<b>Acquirer</b> <Acqrr>	[0..1]	±		138
	<b>ATMManagerIdentification</b> <ATMMgrId>	[0..1]	Text		139
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		139
	<b>ATM</b> <ATM>	[1..1]	±		139
	<b>Command</b> <Cmd>	[0..*]			141
	<b>Type</b> <Tp>	[1..1]	CodeSet		141
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		141
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		142
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		142
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		142

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			143
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		143
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		143

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			133
	<b>Function</b> <Fctn>	[1..1]	CodeSet		133
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		135
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		135
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		135
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		135
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		135
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		135
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		136
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		136
	<b>Traceability</b> <Tracblt>	[0..*]			136
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		136
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		136
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		137
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		137

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		133
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		135
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		135

##### 7.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 7.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 7.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 7.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 7.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		136
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		136
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		137
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		137

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 7.4.2 ProtectedATMDiagnosticResponse <PrtctdATMDgnstcRspn>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDiagnosticResponse <PrtctdATMDgnstcRspn>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment &lt;Envt&gt;</b>	[1..1]			138
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		138
	<b>ATMManagerIdentification &lt;ATMMgrld&gt;</b>	[0..1]	Text		139
	<b>HostingEntity &lt;HstgNtty&gt;</b>	[0..1]	±		139
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		139
	<b>Command &lt;Cmd&gt;</b>	[0..*]			141
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		141
	<b>Urgency &lt;Urgcy&gt;</b>	[1..1]	CodeSet		141
	<b>DateTime &lt;DtTm&gt;</b>	[0..1]	DateTime		142
	<b>CommandIdentification &lt;CmdId&gt;</b>	[0..1]	±		142
	<b>CommandParameters &lt;CmdParams&gt;</b>	[0..1]	±		142

#### 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
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		138
	<b>ATMManagerIdentification &lt;ATMMgrld&gt;</b>	[0..1]	Text		139
	<b>HostingEntity &lt;HstgNtty&gt;</b>	[0..1]	±		139
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		139

##### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 7.4.3.1.2 ATMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 7.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine5" on page 1464 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1466
	AdditionalIdentification <AddtlId>	[0..1]	Text		1466
	SequenceNumber <SeqNb>	[0..1]	Text		1466
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1466
	Location <Lctn>	[0..1]			1466
	AddressLine <AdrLine>	[0..2]	Text		1467
	StreetName <StrtNm>	[0..1]	Text		1467
	BuildingNumber <BldgNb>	[0..1]	Text		1467
	PostCode <PstCd>	[0..1]	Text		1467
	TownName <TwnNm>	[1..1]	Text		1468
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1468
	Country <Ctry>	[1..1]	CodeSet	C1	1468
	GeoLocation <GLctn>	[0..1]			1468
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1468
	Latitude <Lat>	[1..1]	Text		1469
	Longitude <Long>	[1..1]	Text		1469
Or}	UTMCoordinates <UTMCordints>	[1..1]			1469
	UTMZone <UTMZone>	[1..1]	Text		1469
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1469
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1470
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1470
	Equipment <Eqpmnt>	[0..1]			1470
	Manufacturer <Manfctr>	[0..1]	Text		1470
	Model <Mdl>	[0..1]	Text		1471
	SerialNumber <SrlNb>	[0..1]	Text		1471
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1471
	ApplicationName <ApplNm>	[0..1]	Text		1471
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1471
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1471
	ConfigurationParameter <CfgrtnParam>	[0..*]			1471
	Type <Tp>	[1..1]	CodeSet		1471



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1472
	OutOfServiceDevice <OutOfSvcDvc>	[0..*]	CodeSet		1472
	MessageProtection <MsgPrtc>	[0..1]	CodeSet		1473

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		141
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		141
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		142
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		142
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		142

##### 7.4.3.2.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand4Code" on page 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		143
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		143

### 7.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## **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]			146
	MessageFunction <MsgFctn>	[1..1]			146
	Function <Fctn>	[1..1]	CodeSet		147
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		148
	HostServiceCode <HstSvcCd>	[0..1]	Text		148
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		148
	ExchangeIdentification <XchgId>	[1..1]	Text		148
	CreationDateTime <CreDtTm>	[1..1]	DateTime		148
	InitiatingParty <InitgPty>	[1..1]	Text		148
	RecipientParty <RcptPty>	[0..1]	Text		148
	ProcessState <PrcStat>	[0..1]	Text		149
	Traceability <Tracblt>	[0..*]			149
	RelayIdentification <RlayId>	[1..1]	±		149
	SequenceNumber <SeqNb>	[0..1]	Text		149
	TraceDateTimeln <TracDtTmIn>	[1..1]	DateTime		149
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		150
	ProtectedHostToATMRequest <PrtctdHstToATMReq>	[0..1]	±		150
	HostToATMRequest <HstToATMReq>	[0..1]			150
	Environment <Envt>	[1..1]			150
	Acquirer <Acqrr>	[0..1]	±		151
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		151
	ATM <ATM>	[1..1]	±		151
	CommandIdentification <CmdId>	[0..1]	±		151
	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		151
	SecurityTrailer <SctyTrlr>	[0..1]			152
	ContentType <CnttTp>	[1..1]	CodeSet		152
	AuthenticatedData <AuthntcdData>	[1..1]	±		152

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			146
	<b>Function</b> <Fctn>	[1..1]	CodeSet		147
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		148
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		148
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		148
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		148
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		148
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		148
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		148
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		149
	<b>Traceability</b> <Tracblt>	[0..*]			149
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		149
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		149
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		149
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		150

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		147
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		148
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		148

### 8.3.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction7Code" on page 1561

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 1577

#### 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 1577

#### 8.3.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 8.3.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 8.3.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 8.3.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577



### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		149
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		149
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		149
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		150

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 8.3.2 ProtectedHostToATMRequest <PrtctdHstToATMReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedHostToATMRequest <PrtctdHstToATMReq>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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]			150
	Acquirer <Acqrr>	[0..1]	±		151
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		151
	ATM <ATM>	[1..1]	±		151
	CommandIdentification <Cmdld>	[0..1]	±		151
	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		151

#### 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]	±		151
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		151
	ATM <ATM>	[1..1]	±		151

### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

### 8.3.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "[Max35Text](#)" on page 1577

### 8.3.3.1.3 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "[AutomatedTellerMachine7](#)" on page 1463 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1463
	AdditionalIdentification <AddtlId>	[0..1]	Text		1463
	SequenceNumber <SeqNb>	[0..1]	Text		1464

### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

### 8.3.3.3 ExpectedMessageFunction <XpctdMsgFctn>

*Presence:* [1..1]

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

*Datatype:* "[MessageFunction8Code](#)" on page 1562

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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		152
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		152

### 8.3.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			
	<b>Header</b> <Hdr>	[1..1]			156
	<b>MessageFunction</b> <MsgFctn>	[1..1]			156
	<b>Function</b> <Fctn>	[1..1]	CodeSet		156
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		158
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		158
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		158
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		158
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		158
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		158
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		158
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		158
	<b>Traceability</b> <Tracblt>	[0..*]			159
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		159
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		159
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		159
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		159
	<b>ProtectedHostToATMAcknowledgement</b> <PrtctdHstToATMAck>	[0..1]	±		160
	<b>HostToATMAcknowledgement</b> <HstToATMAck>	[0..1]			160
	<b>Environment</b> <Envnt>	[1..1]			160
	<b>Acquirer</b> <Acqrr>	[0..1]	±		160
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		161
	<b>ATM</b> <ATM>	[1..1]	±		161
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			161
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		161
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		162

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			156
	<b>Function</b> <Fctn>	[1..1]	CodeSet		156
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		158
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		158
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		158
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		158
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		158
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		158
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		158
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		158
	<b>Traceability</b> <Tracblt>	[0..*]			159
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		159
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		159
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		159
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		159

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		156
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		158
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		158

#### 9.3.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.



*Datatype: "MessageFunction7Code" on page 1561*

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 1577

#### **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 1577

#### **9.3.1.2 ProtocolVersion <PrtcolVrsn>**

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### **9.3.1.3 ExchangeIdentification <XchgId>**

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### **9.3.1.4 CreationDateTime <CreDtTm>**

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### **9.3.1.5 InitiatingParty <InitgPty>**

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### **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 1577

#### **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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		159
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		159
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		159
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		159

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

## 9.3.2 ProtectedHostToATMAcknowledgement <PrtctdHstToATMAck>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedHostToATMAcknowledgement <PrtctdHstToATMAck>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

## 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]			160
	Acquirer <Acqrr>	[0..1]	±		160
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		161
	ATM <ATM>	[1..1]	±		161

### 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]	±		160
	ATMManagerIdentification <ATMMgrld>	[0..1]	Text		161
	ATM <ATM>	[1..1]	±		161

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 9.3.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 9.3.3.1.3 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine7" on page 1463 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1463
	AdditionalIdentification <AddtlId>	[0..1]	Text		1463
	SequenceNumber <SeqNb>	[0..1]	Text		1464

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		161
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		162

#### 9.3.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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]			
	<b>Header</b> <Hdr>	[1..1]			167
	<b>MessageFunction</b> <MsgFctn>	[1..1]			168
	<b>Function</b> <Fctn>	[1..1]	CodeSet		168
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		170
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		170
	<b>ProtocolVersion</b> <PrctolVrsn>	[1..1]	Text		170
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		170
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		170
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		171
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		171
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		171
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		171
	<b>Traceability</b> <Tracblt>	[0..*]			171
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		171
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		172
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		172
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		172
	<b>ProtectedATMReconciliationAdvice</b> <PrctcdATMRcncltnAdv>	[0..1]	±		172
	<b>ATMReconciliationAdvice</b> <ATMRcncltnAdv>	[0..1]			172
	<b>Environment</b> <Envnt>	[1..1]			175
	<b>Acquirer</b> <Acqrr>	[0..1]	±		176
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		176
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		177
	<b>ATM</b> <ATM>	[1..1]	±		177
	<b>Card</b> <Card>	[0..1]			179
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		179
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		180
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		180
	<b>PlainCardData</b> <PlainCardData>	[0..1]			180



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PAN</b> <PAN>	[0..1]	Text		181
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		181
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		181
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		181
	<b>Track1</b> <Trck1>	[0..1]	Text		181
	<b>Track2</b> <Trck2>	[0..1]	Text		181
	<b>Track3</b> <Trck3>	[0..1]	Text		182
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		182
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		182
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C3	182
	<b>CommandResult</b> <CmdRslt>	[0..*]			182
	<b>Type</b> <Tp>	[1..1]	CodeSet		183
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		183
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		183
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		183
	<b>Result</b> <Rslt>	[1..1]	CodeSet		184
	<b>AdditionalErrorInformation</b> <AddtlErrInf>	[0..1]	Text		184
	<b>CommandContext</b> <CmdCntxt>	[0..1]			184
	<b>Type</b> <Tp>	[1..1]	CodeSet		185
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		185
	<b>Transaction</b> <Tx>	[1..1]			185
	<b>ReconciliationOperation</b> <RcncltnOpr>	[0..*]			187
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		189
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		189
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		190
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		190
	<b>Cassette</b> <Csstt>	[0..*]			190
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		192
	<b>LogicalIdentification</b> <LogId>	[1..1]	Text		192
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		192
	<b>Type</b> <Tp>	[1..1]	CodeSet		192

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		192
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		193
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			193
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	194
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		195
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		195
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		195
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		195
	<b>FlowTotals</b> <FlowTtls>	[0..*]			195
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		198
	<b>TransactionTotals</b> <TxTtls>	[0..*]	±		199
	<b>RetainedCard</b> <RtndCard>	[0..1]	Quantity		199
	<b>AdditionalTransactionInformation</b> <AddtlTxInf>	[0..1]	Text		199
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		199
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			201
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		201

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		202

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			168
	<b>Function</b> <Fctn>	[1..1]	CodeSet		168
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		170
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		170
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		170
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		170
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		170
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		171
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		171
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		171
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		171
	<b>Traceability</b> <Tracblt>	[0..*]			171
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		171
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		172
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		172
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		172

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		168
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		170
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		170

##### 10.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 ATMSvcCd <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 10.4.1.1.3 HostSvcCd <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 10.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 10.4.1.3 ExchangeId <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 10.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

#### 10.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 10.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		171
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		172
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		172
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		172

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 10.4.2 ProtectedATMReconciliationAdvice <PrtctdATMRcncltnAdv>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMReconciliationAdvice <PrtctdATMRcncltnAdv>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Env>	[1..1]			175
	<b>Acquirer</b> <Acqrr>	[0..1]	±		176
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		176
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		177
	<b>ATM</b> <ATM>	[1..1]	±		177
	<b>Card</b> <Card>	[0..1]			179
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		179
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		180
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		180
	<b>PlainCardData</b> <PlainCardData>	[0..1]			180
	<b>PAN</b> <PAN>	[0..1]	Text		181
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		181
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		181
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		181
	<b>Track1</b> <Trck1>	[0..1]	Text		181
	<b>Track2</b> <Trck2>	[0..1]	Text		181
	<b>Track3</b> <Trck3>	[0..1]	Text		182
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		182
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		182
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C3	182
	<b>CommandResult</b> <CmdRslt>	[0..*]			182
	<b>Type</b> <Tp>	[1..1]	CodeSet		183
	<b>RequiredDateTime</b> <ReqrdDtTm>	[0..1]	DateTime		183
	<b>ProcessedDateTime</b> <PrcdDtTm>	[1..1]	DateTime		183
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		183
	<b>Result</b> <Rslt>	[1..1]	CodeSet		184
	<b>AdditionalErrorInformation</b> <AddtlErrInf>	[0..1]	Text		184
	<b>CommandContext</b> <CmdCntxt>	[0..1]			184
	<b>Type</b> <Tp>	[1..1]	CodeSet		185
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		185

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Transaction</b> <Tx>	[1..1]			185
	<b>ReconciliationOperation</b> <RcncltnOpr>	[0..*]			187
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		189
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		189
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		190
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		190
	<b>Cassette</b> <Csstt>	[0..*]			190
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		192
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		192
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		192
	<b>Type</b> <Tp>	[1..1]	CodeSet		192
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		192
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		193
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			193
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	194
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		195
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		195
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		195
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		195
	<b>FlowTotals</b> <FlowTtls>	[0..*]			195
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		198
	<b>TransactionTotals</b> <TxTtls>	[0..*]	±		199
	<b>RetainedCard</b> <RtndCard>	[0..1]	Quantity		199
	<b>AdditionalTransactionInformation</b> <AddtlTxInf>	[0..1]	Text		199
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		199

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		176
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		176
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		177
	<b>ATM</b> <ATM>	[1..1]	±		177
	<b>Card</b> <Card>	[0..1]			179
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		179
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		180
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		180
	<b>PlainCardData</b> <PlainCardData>	[0..1]			180
	<b>PAN</b> <PAN>	[0..1]	Text		181
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		181
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		181
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		181
	<b>Track1</b> <Trck1>	[0..1]	Text		181
	<b>Track2</b> <Trck2>	[0..1]	Text		181
	<b>Track3</b> <Trck3>	[0..1]	Text		182
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		182
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		182
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C3	182

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <Acqrglnstrn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 10.4.3.1.2 ATMManagerIdentification <ATMMgrld>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 10.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine8" on page 1436 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1438
	AdditionalIdentification <AddtlId>	[0..1]	Text		1438
	SequenceNumber <SeqNb>	[0..1]	Text		1438
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1438
	Location <Lctn>	[0..1]			1438
	AddressLine <AdrLine>	[0..2]	Text		1439
	StreetName <StrtNm>	[0..1]	Text		1439
	BuildingNumber <BldgNb>	[0..1]	Text		1439
	PostCode <PstCd>	[0..1]	Text		1439
	TownName <TwnNm>	[1..1]	Text		1440
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1440
	Country <Ctry>	[1..1]	CodeSet	C1	1440
	GeoLocation <GLctn>	[0..1]			1440
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1440
	Latitude <Lat>	[1..1]	Text		1441
	Longitude <Long>	[1..1]	Text		1441
Or}	UTMCoordinates <UTMCordints>	[1..1]			1441
	UTMZone <UTMZone>	[1..1]	Text		1441
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1441
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1442
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1442
	Equipment <Eqpmnt>	[0..1]			1442
	Manufacturer <Manfctr>	[0..1]	Text		1442
	Model <Mdl>	[0..1]	Text		1443
	SerialNumber <SrlNb>	[0..1]	Text		1443
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1443
	ApplicationName <ApplNm>	[0..1]	Text		1443
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1443
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1443
	ConfigurationParameter <CfgrtnParam>	[0..*]			1443
	Type <Tp>	[1..1]	CodeSet		1443

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1444

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		179
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		180
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		180
	<b>PlainCardData</b> <PlainCardData>	[0..1]			180
	<b>PAN</b> <PAN>	[0..1]	Text		181
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		181
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		181
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		181
	<b>Track1</b> <Trck1>	[0..1]	Text		181
	<b>Track2</b> <Trck2>	[0..1]	Text		181
	<b>Track3</b> <Trck3>	[0..1]	Text		182
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		182
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		182
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C3	182

##### 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 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		181
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		181
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		181
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		181
	<b>Track1</b> <Trck1>	[0..1]	Text		181
	<b>Track2</b> <Trck2>	[0..1]	Text		181
	<b>Track3</b> <Trck3>	[0..1]	Text		182

#### 10.4.3.1.5.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1579

#### 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 1577

#### **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 1575

#### **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 1578

#### **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 1575

#### **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 1525

##### **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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		183
	<b>RequiredDateTime &lt;ReqrdDtTm&gt;</b>	[0..1]	DateTime		183
	<b>ProcessedDateTime &lt;PrcdDtTm&gt;</b>	[1..1]	DateTime		183
	<b>CommandIdentification &lt;CmdId&gt;</b>	[0..1]	±		183
	<b>Result &lt;Rslt&gt;</b>	[1..1]	CodeSet		184
	<b>AdditionalErrorInformation &lt;AddtlErrInf&gt;</b>	[0..1]	Text		184

#### 10.4.3.2.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand5Code" on page 1535

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 1572

#### 10.4.3.2.3 ProcessedDateTime <PrcdDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 10.4.3.2.5 Result <RsIt>

*Presence:* [1..1]

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

*Datatype:* "TerminalManagementActionResult2Code" on page 1570

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 1576

#### 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		185
	CommandIdentification <CmdId>	[0..1]	±		185

#### 10.4.3.3.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand5Code" on page 1535

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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Pr cr>	[0..1]	Text		1480

#### 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
	<b>ReconciliationOperation</b> <RcncltnOpr>	[0..*]			187
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		189
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		189
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		190
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		190
	<b>Cassette</b> <Csstt>	[0..*]			190
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		192
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		192
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		192
	<b>Type</b> <Tp>	[1..1]	CodeSet		192
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		192
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		193
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			193
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	194
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		195
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		195
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		195
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		195
	<b>FlowTotals</b> <FlowTtls>	[0..*]			195
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		198
	<b>TransactionTotals</b> <TxTtls>	[0..*]	±		199
	<b>RetainedCard</b> <RtndCard>	[0..1]	Quantity		199
	<b>AdditionalTransactionInformation</b> <AddtlTxInf>	[0..1]	Text		199
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		199

#### 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
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		189
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		189
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		190
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		190
	<b>Cassette</b> <Csstt>	[0..*]			190
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		192
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		192
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		192
	<b>Type</b> <Tp>	[1..1]	CodeSet		192
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		192
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		193
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			193
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	194
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		195
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		195
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		195
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		195
	<b>FlowTotals</b> <FlowTtls>	[0..*]			195
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		198
	<b>TransactionTotals</b> <TxTtls>	[0..*]	±		199
	<b>RetainedCard</b> <RtndCard>	[0..1]	Quantity		199
	<b>AdditionalTransactionInformation</b> <AddtlTxInf>	[0..1]	Text		199
	<b>Incident</b> <IncCnt>	[0..*]	CodeSet		199

#### 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 1540

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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 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 1577

#### 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 1426 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1427
	ATMBalance <ATMBal>	[0..1]	Amount		1427
	ATMCurrent <ATMCur>	[0..1]	Amount		1427
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1427
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1428

#### 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
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		192
	<b>LogicalIdentification</b> <LogcId>	[1..1]	Text		192
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		192
	<b>Type</b> <Tp>	[1..1]	CodeSet		192
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		192
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		193
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			193
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	194
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		195
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		195
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		195
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		195
	<b>FlowTotals</b> <FlowTtls>	[0..*]			195
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcyclNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		198

#### 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 1577

#### 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 1577

#### 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 1577

#### 10.4.3.4.1.5.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of cassette.

*Datatype:* "ATMCassetteType1Code" on page 1534

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 1540

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 1540

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
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	194
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		195
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		195
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		195
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		195
	<b>FlowTotals</b> <FlowTtls>	[0..*]			195
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198

#### 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 1525

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1539

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 1574

#### 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 1574

#### 10.4.3.4.1.5.7.6 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Current amount in the cassette.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		196
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		196
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		197
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		197
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		197
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		197
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		197
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		197
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		197
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		197
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		198
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		198
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		198
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		198

#### 10.4.3.4.1.5.7.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of counters.

*Datatype:* "ATMCounterType3Code" on page 1537

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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### 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 1574

#### 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 1574

#### 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 1574

#### 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 1525

#### 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 1534

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 1434 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1434
	AdditionalIdentification <AddtlId>	[0..1]	Text		1435
	Period <Prd>	[1..1]	CodeSet		1435
	Currency <Ccy>	[0..1]	CodeSet	C1	1435
	Count <Cnt>	[1..1]	Quantity		1435
	Amount <Amt>	[0..1]	Amount		1435

#### 10.4.3.4.1.7 RetainedCard <RtndCard>

*Presence:* [0..1]

*Definition:* Total number of retained cards.

*Datatype:* "Number" on page 1574

#### 10.4.3.4.1.8 AdditionalTransactionInformation <AddtlTxInf>

*Presence:* [0..1]

*Definition:* Additional information about reconciliation.

*Datatype:* "Max140Text" on page 1576

#### 10.4.3.4.1.9 Incident <IncDnt>

*Presence:* [0..\*]

*Definition:* Incident occurring during the processing of the transaction.

*Datatype:* "FailureReason9Code" on page 1556

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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		201
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		202

### 10.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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]			
	<b>Header</b> <Hdr>	[1..1]			206
	<b>MessageFunction</b> <MsgFctn>	[1..1]			207
	<b>Function</b> <Fctn>	[1..1]	CodeSet		207
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		209
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		209
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		209
	<b>Exchangeldentification</b> <Xchgld>	[1..1]	Text		209
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		209
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		210
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		210
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		210
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		210
	<b>Traceability</b> <Tracblt>	[0..*]			210
	<b>RelayIdentification</b> <Rlayld>	[1..1]	±		210
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		211
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		211
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		211
	<b>ProtectedATMReconciliationAcknowledgement</b> <PrctcdATMRcncltnAck>	[0..1]	±		211
	<b>ATMReconciliationAcknowledgement</b> <ATMRcncltnAck>	[0..1]			211
	<b>ATM</b> <ATM>	[1..1]	±		214
	<b>Transaction</b> <Tx>	[1..1]			215
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		217
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		217
	<b>ReconciliationIdentification</b> <Rcncltnld>	[1..1]	Text		218
	<b>TransactionResponse</b> <TxRspn>	[1..1]			218
	<b>Response</b> <Rspn>	[1..1]	CodeSet		218
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		218
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		222



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		222
	<b>Cassette</b> <Csstt>	[0..*]			223
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		225
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		225
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		225
	<b>Type</b> <Tp>	[1..1]	CodeSet		225
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		225
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		226
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			226
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		227
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	227
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		228
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		228
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		228
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		228
	<b>FlowTotals</b> <FlowTtls>	[0..*]			228
	<b>Type</b> <Tp>	[1..1]	CodeSet		229
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		229
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		230
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		230
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		230
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		230
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		230
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		230
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		230
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		230
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		231
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		231
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		231
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		231
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		231

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Command</b> <Cmd>	[0..*]			232
	<b>Type</b> <Tp>	[1..1]	CodeSet		232
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		232
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		233
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		233
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		233
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			233
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		234
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		234

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			207
	<b>Function</b> <Fctn>	[1..1]	CodeSet		207
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		209
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		209
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		209
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		209
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		209
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		210
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		210
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		210
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		210
	<b>Traceability</b> <Tracblt>	[0..*]			210
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		210
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		211
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		211
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		211

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		207
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		209
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		209

##### 11.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 11.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 11.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 11.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

#### 11.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 11.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		210
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		211
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		211
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		211

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 11.4.2 ProtectedATMReconciliationAcknowledgement <PrtctdATMRcncltnAck>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMReconciliationAcknowledgement <PrtctdATMRcncltnAck>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>ATM</b> <ATM>	[1..1]	±		214
	<b>Transaction</b> <Tx>	[1..1]			215
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		217
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		217
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		218
	<b>TransactionResponse</b> <TxRspn>	[1..1]			218
	<b>Response</b> <Rspn>	[1..1]	CodeSet		218
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		218
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		222
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		222
	<b>Cassette</b> <Csstt>	[0..*]			223
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		225
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		225
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		225
	<b>Type</b> <Tp>	[1..1]	CodeSet		225
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		225
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		226
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			226
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		227
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	227
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		228
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		228
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		228
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		228
	<b>FlowTotals</b> <FlowTtls>	[0..*]			228
	<b>Type</b> <Tp>	[1..1]	CodeSet		229
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		229
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		230
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		230
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		230

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		230
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		230
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		230
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		230
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		230
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		231
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		231
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		231
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		231
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		231
	<b>Command</b> <Cmd>	[0..*]			232
	<b>Type</b> <Tp>	[1..1]	CodeSet		232
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		232
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		233
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		233
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		233

#### 11.4.3.1 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

#### 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
	<b>TypeOfOperation</b> <TpOfOpr>	[0..1]	CodeSet		217
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		217
	<b>ReconciliationIdentification</b> <RcncltnId>	[1..1]	Text		218
	<b>TransactionResponse</b> <TxRspn>	[1..1]			218
	<b>Response</b> <Rspn>	[1..1]	CodeSet		218
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		218
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		222
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		222
	<b>Cassette</b> <Csstt>	[0..*]			223
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		225
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		225
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		225
	<b>Type</b> <Tp>	[1..1]	CodeSet		225
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		225
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		226
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			226
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		227
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	227
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		228
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		228
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		228
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		228
	<b>FlowTotals</b> <FlowTtls>	[0..*]			228
	<b>Type</b> <Tp>	[1..1]	CodeSet		229
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		229
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		230
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		230
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		230
	<b>DepositedNumber</b> <DpstNb>	[0..1]	Quantity		230
	<b>DepositedAmount</b> <DpstAmt>	[0..1]	Amount		230
	<b>RecycledNumber</b> <RcyclNb>	[0..1]	Quantity		230

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		230
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		230
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		231
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		231
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		231
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		231
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		231
	<b>Command</b> <Cmd>	[0..*]			232
	<b>Type</b> <Tp>	[1..1]	CodeSet		232
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		232
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		233
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		233
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		233

#### 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 1540

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.

#### 11.4.3.2.2 TransactionIdentification <TxId>

*Presence:* [1..1]

*Definition:* Identification of the reconciliation transaction.

**TransactionIdentification <TxId>** contains the following elements (see "TransactionIdentifier3" on page 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 11.4.3.2.3 ReconciliationIdentification <RcncltnId>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 11.4.3.2.4 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Result of the reconciliation.

**TransactionResponse <TxRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		218
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		218
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		222

##### 11.4.3.2.4.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

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.

##### 11.4.3.2.4.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.

CodeName	Name	Definition
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.
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.



CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.

#### 11.4.3.2.4.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 11.4.3.2.5 ATMTotals <ATMTtls>

*Presence:* [0..\*]

*Definition:* Current totals of the ATM.

**ATMTotals <ATMTtIs>** contains the following elements (see "ATMTotals4" on page 1426 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1427
	ATMBalance <ATMBal>	[0..1]	Amount		1427
	ATMCurrent <ATMCur>	[0..1]	Amount		1427
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1427
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1428

#### 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
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		225
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		225
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		225
	<b>Type</b> <Tp>	[1..1]	CodeSet		225
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		225
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		226
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			226
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		227
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	227
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		228
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		228
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		228
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		228
	<b>FlowTotals</b> <FlowTtls>	[0..*]			228
	<b>Type</b> <Tp>	[1..1]	CodeSet		229
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		229
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		230
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		230
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		230
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		230
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		230
	<b>RecycledNumber</b> <RcyclNb>	[0..1]	Quantity		230
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		230
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		230
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		231
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		231
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		231
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		231
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		231

#### 11.4.3.2.6.1 PhysicalIdentification <PhysId>

*Presence:* [0..1]

*Definition:* Physical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 11.4.3.2.6.2 LogicalIdentification <LogcId>

*Presence:* [1..1]

*Definition:* Logical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 11.4.3.2.6.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of cassette.

*Datatype:* "ATMCassetteType1Code" on page 1534

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 1540

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 1540

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
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		227
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	227
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		228
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		228
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		228
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		228
	<b>FlowTotals</b> <FlowTtls>	[0..*]			228
	<b>Type</b> <Tp>	[1..1]	CodeSet		229
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		229
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		230
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		230
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		230
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		230
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		230
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		230
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		230
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		230
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		231
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		231
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		231
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		231

#### 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 1525

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1539

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 1574

#### 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 1574

#### 11.4.3.2.6.7.6 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Current amount in the cassette.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		229
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		229
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		230
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		230
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		230
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		230
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		230
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		230
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		230
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		230
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		231
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		231
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		231
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		231

#### 11.4.3.2.6.7.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of counters.

*Datatype:* "ATMCounterType3Code" on page 1537

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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### 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 1574

#### 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 1574

#### 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 1574

#### 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 1525

#### 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 1534

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
	<b>Type</b> <Tp>	[1..1]	CodeSet		232
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		232
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		233
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		233
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		233

##### 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 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		234
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		234

#### 11.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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> <ATMXcptnAdv>	[1..1]			
	<b>Header</b> <Hdr>	[1..1]			240
	<b>MessageFunction</b> <MsgFctn>	[1..1]			241
	<b>Function</b> <Fctn>	[1..1]	CodeSet		241
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		243
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		243
	<b>ProtocolVersion</b> <PrctolVrsn>	[1..1]	Text		243
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		243
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		243
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		244
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		244
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		244
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		244
	<b>Traceability</b> <Tracblt>	[0..*]			244
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		244
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		245
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		245
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		245
	<b>ProtectedATMExceptionAdvice</b> <PrctcdATMXcptnAdv>	[0..1]	±		245
	<b>ATMExceptionAdvice</b> <ATMXcptnAdv>	[0..1]			245
	<b>Environment</b> <Envnt>	[0..1]			249
	<b>Acquirer</b> <Acqrr>	[0..1]	±		252
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		252
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		253
	<b>ATM</b> <ATM>	[1..1]			253
	<b>Identification</b> <Id>	[1..1]	Text		255
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		255
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		255
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	256
	<b>Location</b> <Lctn>	[0..1]			256



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		256
	<b>StreetName</b> <StrtNm>	[0..1]	Text		257
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		257
	<b>PostCode</b> <PstCd>	[0..1]	Text		257
	<b>TownName</b> <TwnNm>	[1..1]	Text		257
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		257
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	257
	<b>GeoLocation</b> <GLctn>	[0..1]			257
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			258
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			258
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		259
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		259
	<b>Capabilities</b> <Cpblties>	[0..1]			259
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		260
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		260
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		261
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		261
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		261
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		261
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		262
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		262
	<b>DepositedMedia</b> <DpstlMdia>	[0..*]	CodeSet		262
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			263
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		263
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		263
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		264
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		264

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	264
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		264
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		264
	<b>Equipment</b> <Eqpmnt>	[0..1]			264
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		265
	<b>Model</b> <Mdl>	[0..1]	Text		265
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		265
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		265
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		265
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		266
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		266
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			266
	<b>Type</b> <Tp>	[1..1]	CodeSet		266
	<b>Version</b> <Vrsn>	[1..1]	Text		267
	<b>Customer</b> <Cstmr>	[0..1]			267
	<b>Profile</b> <Prfl>	[0..1]			267
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		267
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		268
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		268
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	268
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	268
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			269
	<b>Method</b> <Mtd>	[1..1]	CodeSet		269
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		269
	<b>Result</b> <Rslt>	[0..1]	CodeSet		270
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		270
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		270
	<b>Card</b> <Card>	[0..1]			270
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		271
	<b>FallbackIndicator</b> <FlfbckInd>	[0..1]	Indicator		272
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		272

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PlainCardData</b> <PlainCardData>	[0..1]			272
	<b>PAN</b> <PAN>	[0..1]	Text		272
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		273
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		273
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		273
	<b>Track1</b> <Trck1>	[0..1]	Text		273
	<b>Track2</b> <Trck2>	[0..1]	Text		273
	<b>Track3</b> <Trck3>	[0..1]	Text		273
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		273
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		273
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	274
	<b>Context</b> <Cntxt>	[0..1]			274
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		274
	<b>Service</b> <Svc>	[1..1]			274
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		275
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		275
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		275
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		275
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		276
	<b>Transaction</b> <Tx>	[1..1]			276
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		277
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		277
	<b>Exception</b> <Xcptn>	[1..*]	CodeSet		277
	<b>ExceptionDetail</b> <XcptnDtl>	[0..*]	Text		278
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	278
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			278
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		278
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		279

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			241
	<b>Function</b> <Fctn>	[1..1]	CodeSet		241
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		243
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		243
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		243
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		243
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		243
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		244
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		244
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		244
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		244
	<b>Traceability</b> <Tracblt>	[0..*]			244
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		244
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		245
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		245
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		245

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		241
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		243
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		243

##### 12.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 12.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 12.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 12.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 12.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

12.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]  
Definition: Date and time at which the message was created.  
Datatype: "ISODateTime" on page 1572

12.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]  
Definition: Unique identification of the partner that has initiated the exchange.  
Datatype: "Max35Text" on page 1577

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 1577

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 1577

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]	±		244
	SequenceNumber <SeqNb>	[0..1]	Text		245
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		245
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		245

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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 12.4.2 ProtectedATMExceptionAdvice <PrtctdATMXcptnAdv>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMExceptionAdvice <PrtctdATMXcptnAdv>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 12.4.3 ATMExceptionAdvice <ATMXcptnAdv>

*Presence:* [0..1]

*Definition:* Information related to exceptions occurring on the ATM.

**ATMExceptionAdvice <ATMXcptnAdvc>** contains the following **ATMExceptionAdvice2** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Environment</b> <Envt>	[0..1]			249
	<b>Acquirer</b> <Acqrr>	[0..1]	±		252
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		252
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		253
	<b>ATM</b> <ATM>	[1..1]			253
	<b>Identification</b> <Id>	[1..1]	Text		255
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		255
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		255
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	256
	<b>Location</b> <Lctn>	[0..1]			256
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		256
	<b>StreetName</b> <StrtNm>	[0..1]	Text		257
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		257
	<b>PostCode</b> <PstCd>	[0..1]	Text		257
	<b>TownName</b> <TwnNm>	[1..1]	Text		257
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		257
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	257
	<b>GeoLocation</b> <GLctn>	[0..1]			257
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			258
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			258
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		259
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		259
	<b>Capabilities</b> <Cpblties>	[0..1]			259
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		260
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		260
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		261
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		261

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ApprovalCodeLength</b> <ApprvlCdLngth>	[0..1]	Quantity		261
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		261
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		262
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		262
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		262
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			263
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		263
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		263
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		264
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		264
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	264
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		264
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		264
	<b>Equipment</b> <Eqpmnt>	[0..1]			264
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		265
	<b>Model</b> <Mdl>	[0..1]	Text		265
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		265
	<b>ApplicationProvider</b> <AppIPrvdr>	[0..1]	Text		265
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		265
	<b>ApplicationVersion</b> <AppIVrsn>	[0..1]	Text		266
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		266
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			266
	<b>Type</b> <Tp>	[1..1]	CodeSet		266
	<b>Version</b> <Vrsn>	[1..1]	Text		267
	<b>Customer</b> <Cstmr>	[0..1]			267
	<b>Profile</b> <Prfl>	[0..1]			267
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		267
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		268
	<b>CustomerIdentification</b> <Cstmrlid>	[0..1]	Text		268
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	268
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	268

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			269
	<b>Method</b> <Mtd>	[1..1]	CodeSet		269
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		269
	<b>Result</b> <Rslt>	[0..1]	CodeSet		270
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		270
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		270
	<b>Card</b> <Card>	[0..1]			270
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		271
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		272
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		272
	<b>PlainCardData</b> <PlainCardData>	[0..1]			272
	<b>PAN</b> <PAN>	[0..1]	Text		272
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		273
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		273
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		273
	<b>Track1</b> <Trck1>	[0..1]	Text		273
	<b>Track2</b> <Trck2>	[0..1]	Text		273
	<b>Track3</b> <Trck3>	[0..1]	Text		273
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		273
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		273
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	274
	<b>Context</b> <Cntxt>	[0..1]			274
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		274
	<b>Service</b> <Svc>	[1..1]			274
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		275
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		275
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		275
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		275
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		276
	<b>Transaction</b> <Tx>	[1..1]			276
	<b>TransactionIdentification</b> <Txld>	[0..1]	±		277

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		277
	<b>Exception</b> <Xcptn>	[1..*]	CodeSet		277
	<b>ExceptionDetail</b> <XcptnDtl>	[0..*]	Text		278
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	278

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		252
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		252
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		253
	<b>ATM</b> <ATM>	[1..1]			253
	<b>Identification</b> <Id>	[1..1]	Text		255
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		255
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		255
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	256
	<b>Location</b> <Lctn>	[0..1]			256
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		256
	<b>StreetName</b> <StrtNm>	[0..1]	Text		257
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		257
	<b>PostCode</b> <PstCd>	[0..1]	Text		257
	<b>TownName</b> <TwnNm>	[1..1]	Text		257
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		257
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	257
	<b>GeoLocation</b> <GLctn>	[0..1]			257
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			258
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			258
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		259
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		259
	<b>Capabilities</b> <Cpblties>	[0..1]			259
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		260
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		260
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		261
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		261
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		261

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrtLngth>	[0..1]	Quantity		261
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		262
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		262
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		262
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			263
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		263
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		263
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		264
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		264
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	264
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		264
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		264
	<b>Equipment</b> <Eqpmnt>	[0..1]			264
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		265
	<b>Model</b> <Mdl>	[0..1]	Text		265
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		265
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		265
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		265
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		266
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		266
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			266
	<b>Type</b> <Tp>	[1..1]	CodeSet		266
	<b>Version</b> <Vrsn>	[1..1]	Text		267
	<b>Customer</b> <Cstmr>	[0..1]			267
	<b>Profile</b> <Prfl>	[0..1]			267
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		267
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		268
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		268
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	268
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	268
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			269

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		269
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		269
	<b>Result</b> <RsIt>	[0..1]	CodeSet		270
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		270
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		270
	<b>Card</b> <Card>	[0..1]			270
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		271
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		272
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		272
	<b>PlainCardData</b> <PlainCardData>	[0..1]			272
	<b>PAN</b> <PAN>	[0..1]	Text		272
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		273
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		273
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		273
	<b>Track1</b> <Trck1>	[0..1]	Text		273
	<b>Track2</b> <Trck2>	[0..1]	Text		273
	<b>Track3</b> <Trck3>	[0..1]	Text		273
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		273
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		273
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	274

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 12.4.3.1.2 ATMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577



### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

### 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
	<b>Identification</b> <Id>	[1..1]	Text		255
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		255
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		255
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	256
	<b>Location</b> <Lctn>	[0..1]			256
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		256
	<b>StreetName</b> <StrtNm>	[0..1]	Text		257
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		257
	<b>PostCode</b> <PstCd>	[0..1]	Text		257
	<b>TownName</b> <TwnNm>	[1..1]	Text		257
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		257
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	257
	<b>GeoLocation</b> <GLctn>	[0..1]			257
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			258
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			258
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		259
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		259
	<b>Capabilities</b> <Cpbilities>	[0..1]			259
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		260
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		260
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		261
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		261
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		261
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		261
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		262
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		262
	<b>DepositedMedia</b> <DpstddMdia>	[0..*]	CodeSet		262

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			263
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		263
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		263
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		264
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		264
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	264
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		264
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		264
	<b>Equipment</b> <Eqpmnt>	[0..1]			264
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		265
	<b>Model</b> <Mdl>	[0..1]	Text		265
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		265
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		265
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		265
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		266
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		266
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			266
	<b>Type</b> <Tp>	[1..1]	CodeSet		266
	<b>Version</b> <Vrsn>	[1..1]	Text		267

#### 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 1577

#### 12.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 12.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		256
	<b>StreetName</b> <StrtNm>	[0..1]	Text		257
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		257
	<b>PostCode</b> <PstCd>	[0..1]	Text		257
	<b>TownName</b> <TwnNm>	[1..1]	Text		257
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		257
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	257
	<b>GeoLocation</b> <GLctn>	[0..1]			257
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			258
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			258
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		259

#### 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 1578

#### **12.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

#### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			258
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			258
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		259

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		258
	<b>Longitude</b> <Long>	[1..1]	Text		258

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		259
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		259
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		259

#### 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 1576

#### 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 1574

#### 12.4.3.1.4.5.8.2.3 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 1574

#### 12.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		260
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		260
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		261
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		261
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		261
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		261
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		262
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		262
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		262
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			263
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		263
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		263
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		264
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		264
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	264
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		264
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		264

#### 12.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 12.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]



*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 12.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 12.4.3.1.4.7.4 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 1574

#### 12.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 12.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 12.4.3.1.4.7.7 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 1574):

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

#### 12.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 12.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 12.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		263
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		263
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		264
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		264
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	264

##### 12.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 12.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 12.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 12.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 12.4.3.1.4.7.10.5 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 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 12.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 12.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		265
	<b>Model</b> <Mdl>	[0..1]	Text		265
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		265
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		265
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		265
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		266
	<b>ApprovalNumber</b> <ApplNb>	[0..1]	Text		266
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			266
	<b>Type</b> <Tp>	[1..1]	CodeSet		266
	<b>Version</b> <Vrsn>	[1..1]	Text		267

#### 12.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 12.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 12.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 12.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 12.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 12.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		266
	<b>Version</b> <Vrsn>	[1..1]	Text		267

##### 12.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			267
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		267
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		268
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		268
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	268
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	268
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			269
	<b>Method</b> <Mtd>	[1..1]	CodeSet		269
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		269
	<b>Result</b> <Rslt>	[0..1]	CodeSet		270
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		270
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		270

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		267
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		268
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		268
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	268

#### 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 1537

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 1577

#### 12.4.3.1.5.1.3 CustomerIdentification <CstmrId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

##### 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 1559



## 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		269
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		269
	<b>Result</b> <Rslt>	[0..1]	CodeSet		270
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		270
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		270

#### 12.4.3.1.5.3.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		271
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		272
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		272
	<b>PlainCardData</b> <PlainCardData>	[0..1]			272
	<b>PAN</b> <PAN>	[0..1]	Text		272
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		273
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		273
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		273
	<b>Track1</b> <Trck1>	[0..1]	Text		273
	<b>Track2</b> <Trck2>	[0..1]	Text		273
	<b>Track3</b> <Trck3>	[0..1]	Text		273
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		273
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		273
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	274

#### 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 1550

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 1574):

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

#### 12.4.3.1.6.3 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		272
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		273
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		273
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		273
	<b>Track1</b> <Trck1>	[0..1]	Text		273
	<b>Track2</b> <Trck2>	[0..1]	Text		273
	<b>Track3</b> <Trck3>	[0..1]	Text		273

##### 12.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1579

#### 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 1577

#### 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 1575

#### 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 1578

#### 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 1575

#### 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 1525

##### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		274
	<b>Service</b> <Svc>	[1..1]			274
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		275
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		275
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		275
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		275
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		276

##### 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 1577

##### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		275
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		275
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		275
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		275
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		276

#### 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 1577

#### 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 1577

#### 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 1577

#### 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 1542

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		277
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		277
	<b>Exception</b> <Xcptn>	[1..*]	CodeSet		277
	<b>ExceptionDetail</b> <XcptnDtl>	[0..*]	Text		278
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	278

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 12.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

*Definition:* Identification of the reconciliation period.

*Datatype:* ["Max35Text"](#) on page 1577

#### 12.4.3.3.3 Exception <Xcptn>

*Presence:* [1..\*]

*Definition:* Exception occurring outside the service.

*Datatype:* ["FailureReason8Code"](#) on page 1555

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 1578

#### 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 1525

##### 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
	<b>ContentType &lt;CnttTp&gt;</b>	[1..1]	CodeSet		278
	<b>AuthenticatedData &lt;AuthntcdData&gt;</b>	[1..1]	±		279

#### 12.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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]			
	<b>Header</b> <Hdr>	[1..1]			282
	<b>MessageFunction</b> <MsgFctn>	[1..1]			283
	<b>Function</b> <Fctn>	[1..1]	CodeSet		283
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		285
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		285
	<b>ProtocolVersion</b> <PrctlVrsn>	[1..1]	Text		285
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		285
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		285
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		286
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		286
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		286
	<b>ProcessState</b> <PrclStat>	[0..1]	Text		286
	<b>Traceability</b> <Tracblt>	[0..*]			286
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		286
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		287
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		287
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		287
	<b>ProtectedATMExceptionAcknowledgement</b> <PrctcdATMXcptnAck>	[0..1]	±		287
	<b>ATMExceptionAcknowledgement</b> <ATMXcptnAck>	[0..1]			287
	<b>ATM</b> <ATM>	[1..1]	±		288
	<b>Context</b> <Cntxt>	[1..1]			289
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		290
	<b>Service</b> <Svc>	[1..1]			290
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		290
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		290
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		291
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		291
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		292

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Transaction</b> <Tx>	[1..1]			292
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		292
	<b>Response</b> <Rspn>	[1..1]	CodeSet		293
	<b>Command</b> <Cmd>	[0..*]			293
	<b>Type</b> <Tp>	[1..1]	CodeSet		293
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		294
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		294
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		294
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		294
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			295
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		295
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		295

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			283
	<b>Function</b> <Fctn>	[1..1]	CodeSet		283
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		285
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		285
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		285
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		285
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		285
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		286
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		286
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		286
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		286
	<b>Traceability</b> <Tracblt>	[0..*]			286
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		286
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		287
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		287
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		287

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		283
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		285
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		285

##### 13.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 13.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 13.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 13.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

### 13.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 13.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		286
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		287
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		287
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		287

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 13.4.2 ProtectedATMExceptionAcknowledgement <PrtctdATMXcptnAck>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMExceptionAcknowledgement <PrtctdATMXcptnAck>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>ATM</b> <ATM>	[1..1]	±		288
	<b>Context</b> <Cntxt>	[1..1]			289
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		290
	<b>Service</b> <Svc>	[1..1]			290
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		290
	<b>ATMSERVICECODE</b> <ATMSvcCd>	[0..1]	Text		290
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		291
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		291
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		292
	<b>Transaction</b> <Tx>	[1..1]			292
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		292
	<b>Response</b> <Rspn>	[1..1]	CodeSet		293
	<b>Command</b> <Cmd>	[0..*]			293
	<b>Type</b> <Tp>	[1..1]	CodeSet		293
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		294
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		294
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		294
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		294

#### 13.4.3.1 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		290
	<b>Service</b> <Svc>	[1..1]			290
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		290
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		290
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		291
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		291
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		292

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		290
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		290
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		291
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		291
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		292

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1542

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		292
	<b>Response</b> <Rspn>	[1..1]	CodeSet		293
	<b>Command</b> <Cmd>	[0..*]			293
	<b>Type</b> <Tp>	[1..1]	CodeSet		293
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		294
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		294
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		294
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		294

##### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 13.4.3.3.2 Response <Rspn>

*Presence:* [1..1]

*Definition:* Response to the advice.

*Datatype:* "Response2Code" on page 1565

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
	<b>Type</b> <Tp>	[1..1]	CodeSet		293
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		294
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		294
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		294
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		294

##### 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 1534

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.

#### 13.4.3.3.3.2 Urgency <Urgcy>

*Presence:* [1..1]

*Definition:* Urgency of the command.

*Datatype:* "TMSContactLevel2Code" on page 1570

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.

#### 13.4.3.3.3.3 DateTime <DtTm>

*Presence:* [0..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 13.4.3.3.3.4 CommandIdentification <CmdId>

*Presence:* [0..1]

*Definition:* Identification of the entity issuing the command.

**CommandIdentification <CmdId>** contains the following elements (see "ATMCommandIdentification1" on page 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 13.4.3.3.3.5 CommandParameters <CmdParams>

*Presence:* [0..1]

*Definition:* Specific parameters attached to the command.

**CommandParameters <CmdParams>** contains one of the following elements (see "ATMCommandParameters1Choice" on page 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		295
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		295

### 13.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# **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]			
	<b>Header</b> <Hdr>	[1..1]			299
	<b>MessageFunction</b> <MsgFctn>	[1..1]			300
	<b>Function</b> <Fctn>	[1..1]	CodeSet		300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		301
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		301
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		301
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		302
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		302
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		302
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		302
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		302
	<b>Traceability</b> <Tracblt>	[0..*]			302
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		303
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		303
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		303
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		303
	<b>ProtectedATMConfigurationReport</b> <PrctcdATMCfgtnRpt>	[0..1]	±		303
	<b>ATMConfigurationReport</b> <ATMCfgtnRpt>	[0..1]			304
	<b>Environment</b> <Envt>	[1..1]			304
	<b>Acquirer</b> <Acqrr>	[0..1]	±		304
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		305
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		305
	<b>ATM</b> <ATM>	[1..1]	±		305
	<b>ActiveVersion</b> <ActvVrsn>	[0..1]	Text		306
	<b>NonActiveVersion</b> <NonActvVrsn>	[0..*]			306
	<b>ConfigurationVersion</b> <CfgtnVrsn>	[1..1]	Text		307
	<b>ConfigurationStatus</b> <CfgtnSts>	[1..1]	CodeSet		307
	<b>FailReason</b> <FailRsn>	[0..1]	Text		307
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			307

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		307
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		308

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			300
	<b>Function</b> <Fctn>	[1..1]	CodeSet		300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		301
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		301
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		301
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		302
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		302
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		302
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		302
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		302
	<b>Traceability</b> <Tracblt>	[0..*]			302
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		303
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		303
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		303
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		303

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		301
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		301

#### 14.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 14.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 14.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 14.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 14.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		303
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		303
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		303
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		303

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 14.4.2 ProtectedATMConfigurationReport <PrtctdATMCfgtnRpt>

*Presence:* [0..1]

*Definition:* Enciphered body of the message.

**ProtectedATMConfigurationReport <PrtctdATMCfgtnRpt>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

## 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
	<b>Environment &lt;Envt&gt;</b>	[1..1]			304
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		304
	<b>ATMManager &lt;ATMMgr&gt;</b>	[0..1]	±		305
	<b>HostingEntity &lt;HstgNtty&gt;</b>	[0..1]	±		305
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		305
	<b>ActiveVersion &lt;ActvVrsn&gt;</b>	[0..1]	Text		306
	<b>NonActiveVersion &lt;NonActvVrsn&gt;</b>	[0..*]			306
	<b>ConfigurationVersion &lt;CfgtnVrsn&gt;</b>	[1..1]	Text		307
	<b>ConfigurationStatus &lt;CfgtnSts&gt;</b>	[1..1]	CodeSet		307
	<b>FailReason &lt;FailRsn&gt;</b>	[0..1]	Text		307

### 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
	<b>Acquirer &lt;Acqrr&gt;</b>	[0..1]	±		304
	<b>ATMManager &lt;ATMMgr&gt;</b>	[0..1]	±		305
	<b>HostingEntity &lt;HstgNtty&gt;</b>	[0..1]	±		305
	<b>ATM &lt;ATM&gt;</b>	[1..1]	±		305

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 14.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

#### 14.4.3.2 ActiveVersion <ActvVrsn>

*Presence:* [0..1]

*Definition:* The configuration version which is active on the terminal.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>ConfigurationVersion</b> <CfgrtnVrsn>	[1..1]	Text		307
	<b>ConfigurationStatus</b> <CfgrtnSts>	[1..1]	CodeSet		307
	<b>FailReason</b> <FailRsn>	[0..1]	Text		307

#### 14.4.3.3.1 ConfigurationVersion <CfgrtnVrsn>

*Presence:* [1..1]

*Definition:* The non-active configuration version which is being reported.

*Datatype:* "Max35Text" on page 1577

#### 14.4.3.3.2 ConfigurationStatus <CfgrtnSts>

*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 1528

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 1578

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		307
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		308

#### 14.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503



# 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]			
	<b>Header</b> <Hdr>	[1..1]			311
	<b>MessageFunction</b> <MsgFctn>	[1..1]			312
	<b>Function</b> <Fctn>	[1..1]	CodeSet		312
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		314
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		314
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		314
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		314
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		314
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		314
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		315
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		315
	<b>Traceability</b> <Tracblt>	[0..*]			315
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		315
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		315
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		316
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		316
	<b>ProtectedATMConfigurationControl</b> <PrtctdATMCfgtnCtrl>	[0..1]	±		316
	<b>ATMConfigurationControl</b> <ATMCfgtnCtrl>	[0..1]			316
	<b>Environment</b> <Envt>	[1..1]			317
	<b>Acquirer</b> <Acqrr>	[0..1]	±		317
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		318
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		318
	<b>ATM</b> <ATM>	[1..1]	±		318
	<b>ConfigurationVersion</b> <CfgtnVrsn>	[0..1]	Text		319
	<b>ActionRequired</b> <ActnReqrd>	[1..1]	CodeSet		319
	<b>Property</b> <Prpty>	[0..*]			320
	<b>PropertyName</b> <PrptyNm>	[1..1]	Text		320
	<b>PropertyType</b> <PrptyTp>	[0..1]	CodeSet		320
	<b>PropertyValue</b> <PrptyVal>	[1..1]	Text		320

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		320
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			321
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		321
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		321

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			312
	<b>Function</b> <Fctn>	[1..1]	CodeSet		312
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		314
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		314
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		314
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		314
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		314
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		314
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		315
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		315
	<b>Traceability</b> <Tracblt>	[0..*]			315
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		315
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		315
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		316
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		316

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		312
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		314
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		314

##### 15.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 15.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 15.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 15.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 15.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

Datatype: "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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]	±		315
	SequenceNumber <SeqNb>	[0..1]	Text		315
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		316
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		316

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 15.4.2 ProtectedATMConfigurationControl <PrtctdATMCfgtnCtrl>

*Presence:* [0..1]

*Definition:* Enciphered body of the message.

**ProtectedATMConfigurationControl <PrtctdATMCfgtnCtrl>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			317
	<b>Acquirer</b> <Acqrr>	[0..1]	±		317
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		318
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		318
	<b>ATM</b> <ATM>	[1..1]	±		318
	<b>ConfigurationVersion</b> <CfgtnVrsn>	[0..1]	Text		319
	<b>ActionRequired</b> <ActnReqrd>	[1..1]	CodeSet		319
	<b>Property</b> <Prprty>	[0..*]			320
	<b>PropertyName</b> <PrprtyNm>	[1..1]	Text		320
	<b>PropertyType</b> <PrprtyTp>	[0..1]	CodeSet		320
	<b>PropertyValue</b> <PrprtyVal>	[1..1]	Text		320
	<b>ActivationDate</b> <ActvtnDt>	[0..1]	DateTime		320

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		317
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		318
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		318
	<b>ATM</b> <ATM>	[1..1]	±		318

##### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrglInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 15.4.3.1.2 ATMMgr <ATMMgr>

*Presence:* [0..1]

*Definition:* Institution in charge of managing the ATM.

**ATMMgr <ATMMgr>** contains the following elements (see "[Acquirer8](#)" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <AppVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 15.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 15.4.3.2 ConfigurationVersion <CfgrVrsn>

*Presence:* [0..1]

*Definition:* The configuration version which is being sent to the terminal.

*Datatype:* "Max35Text" on page 1577

### 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 1533

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
	<b>PropertyName</b> <PrprtyNm>	[1..1]	Text		320
	<b>PropertyType</b> <PrprtyTp>	[0..1]	CodeSet		320
	<b>PropertyValue</b> <PrprtyVal>	[1..1]	Text		320

##### 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 1578

##### 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 1541

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 1576

##### 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 1572

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		321
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		321

### 15.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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]			
	<b>Header</b> <Hdr>	[1..1]			326
	<b>MessageFunction</b> <MsgFctn>	[1..1]			327
	<b>Function</b> <Fctn>	[1..1]	CodeSet		327
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		328
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		328
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		328
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		329
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		329
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		329
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		329
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		329
	<b>Traceability</b> <Tracblt>	[0..*]			329
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		330
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		330
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		330
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		330
	<b>ProtectedATMReconciliationRequest</b> <PrtctdATMRcncltnReq>	[0..1]	±		330
	<b>ATMReconciliationRequest</b> <ATMRcncltnReq>	[0..1]			331
	<b>Environment</b> <Envt>	[1..1]			333
	<b>Acquirer</b> <Acqrr>	[0..1]	±		333
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		333
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		334
	<b>ATM</b> <ATM>	[1..1]	±		334
	<b>Transaction</b> <Tx>	[0..1]			335
	<b>TypeOfOperation</b> <TpOfOpr>	[1..1]	CodeSet		337
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		337
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		337
	<b>Cassette</b> <Csstt>	[0..*]			337
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		339



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		339
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		339
	<b>Type</b> <Tp>	[1..1]	CodeSet		339
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		339
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		340
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			340
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		341
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		342
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		342
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		342
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		342
	<b>FlowTotals</b> <FlowTtls>	[0..*]			342
	<b>Type</b> <Tp>	[1..1]	CodeSet		343
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		343
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		344
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		344
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		344
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		344
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		344
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		344
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		344
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		344
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		345
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		345
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		345
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		345
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		345
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			346
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		346
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		346

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			327
	<b>Function</b> <Fctn>	[1..1]	CodeSet		327
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		328
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		328
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		328
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		329
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		329
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		329
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		329
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		329
	<b>Traceability</b> <Tracblt>	[0..*]			329
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		330
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		330
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		330
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		330

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		327
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		328
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		328

#### 16.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 16.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 16.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 16.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 16.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		330
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		330
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		330
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		330

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 16.4.2 ProtectedATMReconciliationRequest <PrtctdATMRcncltnReq>

*Presence:* [0..1]

*Definition:* Enciphered body of the message.

**ProtectedATMReconciliationRequest <PrtctdATMRcncltnReq>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			333
	<b>Acquirer</b> <Acqrr>	[0..1]	±		333
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		333
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		334
	<b>ATM</b> <ATM>	[1..1]	±		334
	<b>Transaction</b> <Tx>	[0..1]			335
	<b>TypeOfOperation</b> <TpOfOpr>	[1..1]	CodeSet		337
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		337
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		337
	<b>Cassette</b> <Csstt>	[0..*]			337
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		339
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		339
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		339
	<b>Type</b> <Tp>	[1..1]	CodeSet		339
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		339
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		340
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			340
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		341
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		342
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		342
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		342
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		342
	<b>FlowTotals</b> <FlowTtls>	[0..*]			342
	<b>Type</b> <Tp>	[1..1]	CodeSet		343
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		343
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		344
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		344
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		344
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		344



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DepositedAmount</b> <DpstAmt>	[0..1]	Amount		344
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		344
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		344
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		344
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		345
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		345
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		345
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		345
	<b>CassetteStatus</b> <CsstSts>	[0..1]	CodeSet		345

### 16.4.3.1 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		333
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		333
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		334
	<b>ATM</b> <ATM>	[1..1]	±		334

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <AppVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 16.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 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
	<b>TypeOfOperation</b> <TpOfOpr>	[1..1]	CodeSet		337
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		337
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		337
	<b>Cassette</b> <Csstt>	[0..*]			337
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		339
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		339
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		339
	<b>Type</b> <Tp>	[1..1]	CodeSet		339
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		339
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		340
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			340
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		341
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		342
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		342
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		342
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		342
	<b>FlowTotals</b> <FlowTtls>	[0..*]			342
	<b>Type</b> <Tp>	[1..1]	CodeSet		343
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		343
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		344
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		344
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		344
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		344
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		344
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		344
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		344
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		344
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		345
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		345
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		345

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		345
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		345

#### 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 1540

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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 16.4.3.2.3 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		339
	<b>LogicalIdentification</b> <LogcId>	[1..1]	Text		339
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		339
	<b>Type</b> <Tp>	[1..1]	CodeSet		339
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		339
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		340
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			340
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		341
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		342
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		342
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		342
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		342
	<b>FlowTotals</b> <FlowTtls>	[0..*]			342
	<b>Type</b> <Tp>	[1..1]	CodeSet		343
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		343
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		344
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		344
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		344
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		344
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		344
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		344
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		344
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		344
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		345
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		345
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		345
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		345
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		345

#### 16.4.3.2.4.1 PhysicalIdentification <PhysId>

*Presence:* [0..1]

*Definition:* Physical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 16.4.3.2.4.2 LogicalIdentification <LogcId>

*Presence:* [1..1]

*Definition:* Logical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 16.4.3.2.4.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of cassette.

*Datatype:* "ATMCassetteType1Code" on page 1534

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 1540

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 1540

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
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		341
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	341
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		342
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		342
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		342
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		342
	<b>FlowTotals</b> <FlowTtls>	[0..*]			342
	<b>Type</b> <Tp>	[1..1]	CodeSet		343
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		343
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		344
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		344
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		344
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		344
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		344
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		344
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		344
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		344
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		345
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		345
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		345
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		345

#### 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 1525

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1539

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 1574

#### 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 1574

#### 16.4.3.2.4.7.6 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Current amount in the cassette.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		343
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		343
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		344
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		344
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		344
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		344
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		344
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		344
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		344
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		344
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		345
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		345
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		345
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		345

#### 16.4.3.2.4.7.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of counters.

*Datatype:* "ATMCounterType3Code" on page 1537

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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### 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 1574

#### 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 1574

#### 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 1574

#### 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 1525

#### 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 1534

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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		346
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		346

### 16.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# **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]			
	<b>Header</b> <Hdr>	[1..1]			350
	<b>MessageFunction</b> <MsgFctn>	[1..1]			351
	<b>Function</b> <Fctn>	[1..1]	CodeSet		351
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		353
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		353
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		353
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		353
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		353
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		353
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		354
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		354
	<b>Traceability</b> <Tracblt>	[0..*]			354
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		354
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		354
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		355
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		355
	<b>ProtectedATMReconciliationResponse</b> <PrctcdATMRcncltnRspn>	[0..1]	±		355
	<b>ATMReconciliationResponse</b> <ATMRcncltnRspn>	[0..1]			355
	<b>Environment</b> <Envnt>	[1..1]			357
	<b>Acquirer</b> <Acqrr>	[0..1]	±		357
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		357
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		358
	<b>ATM</b> <ATM>	[1..1]	±		358
	<b>Transaction</b> <Tx>	[0..1]			359
	<b>TypeOfOperation</b> <TpOfOpr>	[1..1]	CodeSet		361
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		361
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		361
	<b>Cassette</b> <Csstt>	[0..*]			361



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		363
	<b>LogicalIdentification</b> <LogcId>	[1..1]	Text		363
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		363
	<b>Type</b> <Tp>	[1..1]	CodeSet		363
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		363
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		364
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			364
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		365
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	365
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		366
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		366
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		366
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		366
	<b>FlowTotals</b> <FlowTtls>	[0..*]			366
	<b>Type</b> <Tp>	[1..1]	CodeSet		367
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		367
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		368
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		368
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		368
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		368
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		368
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		368
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		368
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		368
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		369
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		369
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		369
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		369
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		369
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			370
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		370

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		370

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			351
	<b>Function</b> <Fctn>	[1..1]	CodeSet		351
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		353
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		353
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		353
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		353
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		353
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		353
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		354
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		354
	<b>Traceability</b> <Tracblt>	[0..*]			354
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		354
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		354
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		355
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		355

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		351
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		353
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		353

##### 17.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 17.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 17.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 17.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 17.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		354
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		354
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		355
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		355

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 17.4.2 ProtectedATMReconciliationResponse <PrtctdATMRcncltnRspn>

*Presence:* [0..1]

*Definition:* Enciphered body of the message.

**ProtectedATMReconciliationResponse <PrtctdATMRcncltnRspn>** contains the following elements  
(see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			357
	<b>Acquirer</b> <Acqrr>	[0..1]	±		357
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		357
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		358
	<b>ATM</b> <ATM>	[1..1]	±		358
	<b>Transaction</b> <Tx>	[0..1]			359
	<b>TypeOfOperation</b> <TpOfOpr>	[1..1]	CodeSet		361
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		361
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		361
	<b>Cassette</b> <Csstt>	[0..*]			361
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		363
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		363
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		363
	<b>Type</b> <Tp>	[1..1]	CodeSet		363
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		363
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		364
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			364
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		365
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	365
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		366
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		366
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		366
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		366
	<b>FlowTotals</b> <FlowTtls>	[0..*]			366
	<b>Type</b> <Tp>	[1..1]	CodeSet		367
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		367
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		368
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		368
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		368
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		368



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DepositedAmount</b> <DpstAmt>	[0..1]	Amount		368
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		368
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		368
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		368
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		369
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		369
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		369
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		369
	<b>CassetteStatus</b> <CsstSts>	[0..1]	CodeSet		369

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		357
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		357
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		358
	<b>ATM</b> <ATM>	[1..1]	±		358

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <AppVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 17.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 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
	<b>TypeOfOperation</b> <TpOfOpr>	[1..1]	CodeSet		361
	<b>TransactionIdentification</b> <TxId>	[0..1]	±		361
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		361
	<b>Cassette</b> <Csstt>	[0..*]			361
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		363
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		363
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		363
	<b>Type</b> <Tp>	[1..1]	CodeSet		363
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		363
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		364
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			364
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		365
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	365
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		366
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		366
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		366
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		366
	<b>FlowTotals</b> <FlowTtls>	[0..*]			366
	<b>Type</b> <Tp>	[1..1]	CodeSet		367
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		367
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		368
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		368
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		368
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		368
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		368
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		368
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		368
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		368
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		369
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		369
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		369

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		369
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		369

#### 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 1540

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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 17.4.3.2.3 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		363
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		363
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		363
	<b>Type</b> <Tp>	[1..1]	CodeSet		363
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		363
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		364
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			364
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		365
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	365
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		366
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		366
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		366
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		366
	<b>FlowTotals</b> <FlowTtls>	[0..*]			366
	<b>Type</b> <Tp>	[1..1]	CodeSet		367
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		367
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		368
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		368
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		368
	<b>DepositedNumber</b> <DpstNb>	[0..1]	Quantity		368
	<b>DepositedAmount</b> <DpstAmt>	[0..1]	Amount		368
	<b>RecycledNumber</b> <RcyclNb>	[0..1]	Quantity		368
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		368
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		368
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		369
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		369
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		369
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		369
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		369

#### 17.4.3.2.4.1 PhysicalIdentification <PhysId>

*Presence:* [0..1]

*Definition:* Physical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 17.4.3.2.4.2 LogicalIdentification <LogcId>

*Presence:* [1..1]

*Definition:* Logical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 17.4.3.2.4.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of cassette.

*Datatype:* "ATMCassetteType1Code" on page 1534

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 1540

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 1540

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
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		365
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	365
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		366
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		366
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		366
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		366
	<b>FlowTotals</b> <FlowTtls>	[0..*]			366
	<b>Type</b> <Tp>	[1..1]	CodeSet		367
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		367
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		368
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		368
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		368
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		368
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		368
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		368
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		368
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		368
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		369
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		369
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		369
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		369

#### 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 1525

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1539

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 1574

#### 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 1574

#### 17.4.3.2.4.7.6 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Current amount in the cassette.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		367
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		367
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		368
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		368
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		368
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		368
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		368
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		368
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		368
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		368
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		369
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		369
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		369
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		369

#### 17.4.3.2.4.7.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of counters.

*Datatype:* "ATMCounterType3Code" on page 1537

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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### 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 1574

#### 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 1574

#### 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 1574

#### 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 1525

#### 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 1534

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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		370
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		370

### 17.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# 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]			378
	MessageFunction <MsgFctn>	[1..1]			379
	Function <Fctn>	[1..1]	CodeSet		379
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		381
	HostServiceCode <HstSvcCd>	[0..1]	Text		381
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		381
	ExchangeIdentification <XchgId>	[1..1]	Text		381
	CreationDateTime <CreDtTm>	[1..1]	DateTime		381
	InitiatingParty <InitgPty>	[1..1]	Text		381
	RecipientParty <RcptPty>	[0..1]	Text		382
	ProcessState <PrcStat>	[0..1]	Text		382
	Traceability <Tracblt>	[0..*]			382
	RelayIdentification <RlayId>	[1..1]	±		382
	SequenceNumber <SeqNb>	[0..1]	Text		382
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		383
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		383
	ProtectedATMWithdrawalRequest <PrtctdATMWdrwlReq>	[0..1]	±		383
	ATMWithdrawalRequest <ATMWdrwlReq>	[0..1]			383
	Environment <Envt>	[1..1]			389
	Acquirer <Acqrr>	[0..1]	±		392
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		393
	HostingEntity <HstgNtty>	[0..1]	±		393
	ATM <ATM>	[1..1]			393
	Identification <Id>	[1..1]	Text		395
	AdditionalIdentification <AddtlId>	[0..1]	Text		395
	SequenceNumber <SeqNb>	[0..1]	Text		395
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	396
	Location <Lctn>	[0..1]			396
	AddressLine <AdrLine>	[0..2]	Text		396



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>StreetName</b> <StrtNm>	[0..1]	Text		397
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		397
	<b>PostCode</b> <PstCd>	[0..1]	Text		397
	<b>TownName</b> <TwnNm>	[1..1]	Text		397
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		397
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	397
	<b>GeoLocation</b> <GLctn>	[0..1]			397
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			398
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			398
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		399
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		399
	<b>Capabilities</b> <Cpblties>	[0..1]			399
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		400
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		400
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		401
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		401
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		401
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		401
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		402
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		402
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		402
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			403
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		403
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		403
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		404
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		404
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	404

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		404
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		404
	<b>Equipment</b> <Eqpmnt>	[0..1]			404
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		405
	<b>Model</b> <Mdl>	[0..1]	Text		405
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		405
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		405
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		405
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		406
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		406
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			406
	<b>Type</b> <Tp>	[1..1]	CodeSet		406
	<b>Version</b> <Vrsn>	[1..1]	Text		407
	<b>Customer</b> <Cstmr>	[1..1]			407
	<b>Profile</b> <Prfl>	[0..1]			407
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		408
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		408
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		408
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	408
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	409
	<b>Authentication</b> <Authntcn>	[1..*]			409
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		409
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		410
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		410
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		410
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		410
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			411
	<b>Method</b> <Mtd>	[1..1]	CodeSet		411
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		412
	<b>Result</b> <Rslt>	[0..1]	CodeSet		412
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		412

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		412
	<b>Card</b> <Card>	[0..1]			412
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		413
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		414
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		414
	<b>PlainCardData</b> <PlainCardData>	[0..1]			414
	<b>PAN</b> <PAN>	[0..1]	Text		415
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		415
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		415
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		415
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		415
	<b>Track1</b> <Trck1>	[0..1]	Text		416
	<b>Track2</b> <Trck2>	[0..1]	Text		416
	<b>Track3</b> <Trck3>	[0..1]	Text		416
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		416
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		416
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		416
	<b>Context</b> <Cntxt>	[1..1]			416
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		417
	<b>Service</b> <Svc>	[0..1]			417
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		417
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		417
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		418
	<b>Transaction</b> <Tx>	[1..1]			418
	<b>CashDispensed</b> <CshDspnsd>	[0..1]	Indicator		420
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		421
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		421
	<b>AccountData</b> <AcctData>	[0..1]			421
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		422
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		423

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountName</b> <AcctNm>	[0..1]	Text		423
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			424
	<b>Name</b> <Nm>	[1..1]	Text		424
	<b>Address</b> <Adr>	[1..1]	±		424
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	424
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			425
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	425
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		425
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		425
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			426
	<b>Identification</b> <Id>	[1..1]	Text		426
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		426
Or}	<b>Email</b> <Email>	[1..1]	Text		426
	<b>Servicer</b> <Svcr>	[0..1]			426
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	426
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		427
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..1]	±		427
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	±		427
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		428
	<b>CurrencyConversionResult</b> <CcyConvrsRslt>	[0..1]			428
	<b>CurrencyConversionIdentification</b> <CcyConvrsId>	[0..1]	Text		430
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			430
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	430
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		430
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		430
	<b>Name</b> <Nm>	[0..1]	Text		430
	<b>ResultingAmount</b> <RsltqAmt>	[1..1]	Amount		431
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		431
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		431
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		431
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		431

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			431
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	431
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		432
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		432
	<b>Name</b> <Nm>	[0..1]	Text		432
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		432
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			432
	<b>Amount</b> <Amt>	[1..1]	Amount		432
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			433
	<b>Rate</b> <Rate>	[1..1]	Rate		433
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>DeclarationDetails</b> <DclrtDtls>	[0..1]			433
	<b>Format</b> <Frmt>	[0..1]	CodeSet		433
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		434
	<b>ReferenceRate</b> <RefRate>	[0..1]			434
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		434
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		434
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		434
	<b>SelectedMixType</b> <SelctdMixTp>	[0..1]	Text		434
	<b>SelectedMix</b> <SelctdMix>	[0..*]	±		435
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		435
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		435
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			435
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		436
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		436

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			379
	<b>Function</b> <Fctn>	[1..1]	CodeSet		379
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		381
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		381
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		381
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		381
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		381
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		381
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		382
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		382
	<b>Traceability</b> <Tracblt>	[0..*]			382
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		382
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		382
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		383
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		383

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		379
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		381
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		381

##### 18.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 18.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 18.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 18.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 18.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

Datatype: "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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]	±		382
	SequenceNumber <SeqNb>	[0..1]	Text		382
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		383
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		383

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 18.4.2 ProtectedATMWithdrawalRequest <PrtctdATMWdrwlReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMWithdrawalRequest <PrtctdATMWdrwlReq>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			389
	<b>Acquirer</b> <Acqrr>	[0..1]	±		392
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		393
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		393
	<b>ATM</b> <ATM>	[1..1]			393
	<b>Identification</b> <Id>	[1..1]	Text		395
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		395
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		395
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	396
	<b>Location</b> <Lctn>	[0..1]			396
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		396
	<b>StreetName</b> <StrtNm>	[0..1]	Text		397
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		397
	<b>PostCode</b> <PstCd>	[0..1]	Text		397
	<b>TownName</b> <TwnNm>	[1..1]	Text		397
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		397
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	397
	<b>GeoLocation</b> <GLctn>	[0..1]			397
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			398
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			398
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		399
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		399
	<b>Capabilities</b> <Cpblties>	[0..1]			399
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		400
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		400
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		401

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		401
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		401
	<b>MaxScriptLength</b> <MxScrptLngh>	[0..1]	Quantity		401
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		402
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		402
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		402
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			403
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		403
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		403
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		404
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		404
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	404
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		404
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		404
	<b>Equipment</b> <Eqpmnt>	[0..1]			404
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		405
	<b>Model</b> <Mdl>	[0..1]	Text		405
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		405
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		405
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		405
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		406
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		406
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			406
	<b>Type</b> <Tp>	[1..1]	CodeSet		406
	<b>Version</b> <Vrsn>	[1..1]	Text		407
	<b>Customer</b> <Cstmr>	[1..1]			407
	<b>Profile</b> <Prfl>	[0..1]			407
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		408
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		408
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		408
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	408

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	409
	<b>Authentication</b> <Authntcn>	[1..*]			409
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		409
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		410
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		410
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		410
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		410
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			411
	<b>Method</b> <Mtd>	[1..1]	CodeSet		411
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		412
	<b>Result</b> <Rslt>	[0..1]	CodeSet		412
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		412
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		412
	<b>Card</b> <Card>	[0..1]			412
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		413
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		414
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		414
	<b>PlainCardData</b> <PlainCardData>	[0..1]			414
	<b>PAN</b> <PAN>	[0..1]	Text		415
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		415
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		415
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		415
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		415
	<b>Track1</b> <Trck1>	[0..1]	Text		416
	<b>Track2</b> <Trck2>	[0..1]	Text		416
	<b>Track3</b> <Trck3>	[0..1]	Text		416
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		416
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		416
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		416
	<b>Context</b> <Cntxt>	[1..1]			416
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		417

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Service</b> <Svc>	[0..1]			417
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		417
	<b>ATMSERVICECODE</b> <ATMSvcCd>	[0..1]	Text		417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		417
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		418
	<b>Transaction</b> <Tx>	[1..1]			418
	<b>CashDispensed</b> <CshDspnsd>	[0..1]	Indicator		420
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		421
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		421
	<b>AccountData</b> <AcctData>	[0..1]			421
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		422
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		423
	<b>AccountName</b> <AcctNm>	[0..1]	Text		423
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			424
	<b>Name</b> <Nm>	[1..1]	Text		424
	<b>Address</b> <Adr>	[1..1]	±		424
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	424
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			425
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	425
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		425
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		425
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			426
	<b>Identification</b> <Id>	[1..1]	Text		426
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		426
Or}	<b>Email</b> <Email>	[1..1]	Text		426
	<b>Servicer</b> <Svcr>	[0..1]			426
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	426
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		427
	<b>ProtectedAccountData</b> <PrctdAcctData>	[0..1]	±		427
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	±		427
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		428

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			428
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		430
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			430
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	430
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		430
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		430
	<b>Name</b> <Nm>	[0..1]	Text		430
	<b>ResultingAmount</b> <RsltgAmt>	[1..1]	Amount		431
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		431
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		431
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		431
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		431
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			431
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	431
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		432
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		432
	<b>Name</b> <Nm>	[0..1]	Text		432
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		432
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			432
	<b>Amount</b> <Amt>	[1..1]	Amount		432
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			433
	<b>Rate</b> <Rate>	[1..1]	Rate		433
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..1]			433
	<b>Format</b> <Frmt>	[0..1]	CodeSet		433
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		434
	<b>ReferenceRate</b> <RefRate>	[0..1]			434
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		434
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		434
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		434



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedMixType</b> <SelctdMixTp>	[0..1]	Text		434
	<b>SelectedMix</b> <SelctdMix>	[0..*]	±		435
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		435
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		435

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		392
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		393
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		393
	<b>ATM</b> <ATM>	[1..1]			393
	<b>Identification</b> <Id>	[1..1]	Text		395
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		395
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		395
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	396
	<b>Location</b> <Lctn>	[0..1]			396
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		396
	<b>StreetName</b> <StrtNm>	[0..1]	Text		397
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		397
	<b>PostCode</b> <PstCd>	[0..1]	Text		397
	<b>TownName</b> <TwnNm>	[1..1]	Text		397
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		397
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	397
	<b>GeoLocation</b> <GLctn>	[0..1]			397
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			398
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			398
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		399
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		399
	<b>Capabilities</b> <Cpblties>	[0..1]			399
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		400
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		400
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		401
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		401
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		401

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrtLngth>	[0..1]	Quantity		401
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		402
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		402
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		402
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			403
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		403
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		403
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		404
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		404
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	404
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		404
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		404
	<b>Equipment</b> <Eqpmnt>	[0..1]			404
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		405
	<b>Model</b> <Mdl>	[0..1]	Text		405
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		405
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		405
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		405
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		406
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		406
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			406
	<b>Type</b> <Tp>	[1..1]	CodeSet		406
	<b>Version</b> <Vrsn>	[1..1]	Text		407
	<b>Customer</b> <Cstmr>	[1..1]			407
	<b>Profile</b> <Prfl>	[0..1]			407
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		408
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		408
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		408
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	408
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	409
	<b>Authentication</b> <Authntcn>	[1..*]			409

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		409
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		410
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		410
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		410
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		410
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			411
	<b>Method</b> <Mtd>	[1..1]	CodeSet		411
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		412
	<b>Result</b> <Rslt>	[0..1]	CodeSet		412
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		412
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		412
	<b>Card</b> <Card>	[0..1]			412
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		413
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		414
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		414
	<b>PlainCardData</b> <PlainCardData>	[0..1]			414
	<b>PAN</b> <PAN>	[0..1]	Text		415
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		415
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		415
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		415
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		415
	<b>Track1</b> <Trck1>	[0..1]	Text		416
	<b>Track2</b> <Trck2>	[0..1]	Text		416
	<b>Track3</b> <Trck3>	[0..1]	Text		416
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		416
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		416
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		416

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 18.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 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
	<b>Identification</b> <Id>	[1..1]	Text		395
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		395
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		395
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	396
	<b>Location</b> <Lctn>	[0..1]			396
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		396
	<b>StreetName</b> <StrtNm>	[0..1]	Text		397
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		397
	<b>PostCode</b> <PstCd>	[0..1]	Text		397
	<b>TownName</b> <TwnNm>	[1..1]	Text		397
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		397
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	397
	<b>GeoLocation</b> <GLctn>	[0..1]			397
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			398
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			398
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		399
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		399
	<b>Capabilities</b> <Cpbilities>	[0..1]			399
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		400
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		400
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		401
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		401
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		401
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		401
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		402
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		402
	<b>DepositedMedia</b> <DpstddMdia>	[0..*]	CodeSet		402

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			403
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		403
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		403
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		404
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		404
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	404
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		404
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		404
	<b>Equipment</b> <Eqpmnt>	[0..1]			404
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		405
	<b>Model</b> <Mdl>	[0..1]	Text		405
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		405
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		405
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		405
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		406
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		406
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			406
	<b>Type</b> <Tp>	[1..1]	CodeSet		406
	<b>Version</b> <Vrsn>	[1..1]	Text		407

#### 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 1577

#### 18.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 18.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		396
	<b>StreetName</b> <StrtNm>	[0..1]	Text		397
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		397
	<b>PostCode</b> <PstCd>	[0..1]	Text		397
	<b>TownName</b> <TwnNm>	[1..1]	Text		397
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		397
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	397
	<b>GeoLocation</b> <GLctn>	[0..1]			397
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			398
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			398
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		399

#### 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 1578

#### **18.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

#### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			398
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			398
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		399

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		398
	<b>Longitude</b> <Long>	[1..1]	Text		398

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		399
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		399
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		399

#### 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 1576

#### 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 1574

#### 18.4.3.1.4.5.8.2.3 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 1574

#### 18.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		400
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		400
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		401
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		401
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		401
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		401
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		402
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		402
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		402
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			403
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		403
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		403
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		404
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		404
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	404
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		404
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		404

#### 18.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 18.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 18.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 18.4.3.1.4.7.4 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 1574

#### 18.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 18.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 18.4.3.1.4.7.7 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 1574):

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

#### 18.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 18.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 18.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		403
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		403
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		404
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		404
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	404

##### 18.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 18.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 18.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 18.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 18.4.3.1.4.7.10.5 AvailableLanguage <AvlblLang>

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C5 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 18.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 18.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		405
	<b>Model</b> <Mdl>	[0..1]	Text		405
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		405
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		405
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		405
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		406
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		406
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			406
	<b>Type</b> <Tp>	[1..1]	CodeSet		406
	<b>Version</b> <Vrsn>	[1..1]	Text		407

#### 18.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 18.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 18.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 18.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 18.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 18.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		406
	<b>Version</b> <Vrsn>	[1..1]	Text		407

##### 18.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			407
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		408
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		408
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		408
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	408
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	409
	<b>Authentication</b> <Authntcn>	[1..*]			409
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		409
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		410
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		410
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		410
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		410
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			411
	<b>Method</b> <Mtd>	[1..1]	CodeSet		411
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		412
	<b>Result</b> <Rslt>	[0..1]	CodeSet		412
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		412
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		412

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		408
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		408
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		408
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	408

#### 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 1537

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 1577

#### 18.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

#### 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 1559

#### 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
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		409
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		410
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		410
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		410
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		410

#### 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 1548

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 1574](#)):

- *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 1527](#)

#### 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 1522](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

#### 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		411
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		412
	<b>Result</b> <Rslt>	[0..1]	CodeSet		412
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		412
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		412

#### 18.4.3.1.5.4.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		413
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		414
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		414
	<b>PlainCardData</b> <PlainCardData>	[0..1]			414
	<b>PAN</b> <PAN>	[0..1]	Text		415
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		415
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		415
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		415
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		415
	<b>Track1</b> <Trck1>	[0..1]	Text		416
	<b>Track2</b> <Trck2>	[0..1]	Text		416
	<b>Track3</b> <Trck3>	[0..1]	Text		416
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		416
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		416
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		416

#### 18.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

*Presence:* [1..1]

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

*Datatype:* "CardDataReading1Code" on page 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		415
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		415
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		415
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		415
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		415
	<b>Track1</b> <Trck1>	[0..1]	Text		416
	<b>Track2</b> <Trck2>	[0..1]	Text		416
	<b>Track3</b> <Trck3>	[0..1]	Text		416
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		416

#### 18.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **18.4.3.1.6.4.9 CardholderName <CrhdlrNm>**

*Presence:* [0..1]

*Definition:* Name of the cardholder stored on the card.

*Datatype:* "Max45Text" on page 1578

#### **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 1578

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		417
	<b>Service</b> <Svc>	[0..1]			417
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		417
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		417
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		418

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		417
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		417
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		418

##### 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 1577

##### 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 1577

##### 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 1545

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 1577

#### 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
	<b>CashDispensed</b> <CshDspnsd>	[0..1]	Indicator		420
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		421
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		421
	<b>AccountData</b> <AcctData>	[0..1]			421
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		422
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		423
	<b>AccountName</b> <AcctNm>	[0..1]	Text		423
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			424
	<b>Name</b> <Nm>	[1..1]	Text		424
	<b>Address</b> <Adr>	[1..1]	±		424
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	424
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			425
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	425
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		425
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		425
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			426
	<b>Identification</b> <Id>	[1..1]	Text		426
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		426
Or}	<b>Email</b> <Email>	[1..1]	Text		426
	<b>Servicer</b> <Svcr>	[0..1]			426
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	426
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		427
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..1]	±		427
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	±		427
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		428
	<b>CurrencyConversionResult</b> <CcyConvRslt>	[0..1]			428
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		430
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			430
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	430
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		430
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		430

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[0..1]	Text		430
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		431
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		431
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		431
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		431
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		431
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			431
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	431
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		432
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		432
	<b>Name</b> <Nm>	[0..1]	Text		432
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		432
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			432
	<b>Amount</b> <Amt>	[1..1]	Amount		432
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			433
	<b>Rate</b> <Rate>	[1..1]	Rate		433
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			433
	<b>Format</b> <Frmt>	[0..1]	CodeSet		433
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		434
	<b>ReferenceRate</b> <RefRate>	[0..1]			434
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		434
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		434
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		434
	<b>SelectedMixType</b> <SelctdMixTp>	[0..1]	Text		434
	<b>SelectedMix</b> <SelctdMix>	[0..*]	±		435
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		435
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		435

#### 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 1574):

- *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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 18.4.3.3.3 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* ["Max35Text"](#) on page 1577

#### 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
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		422
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		423
	<b>AccountName</b> <AcctNm>	[0..1]	Text		423
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			424
	<b>Name</b> <Nm>	[1..1]	Text		424
	<b>Address</b> <Adr>	[1..1]	±		424
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	424
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			425
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	425
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		425
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		425
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			426
	<b>Identification</b> <Id>	[1..1]	Text		426
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		426
Or}	<b>Email</b> <Email>	[1..1]	Text		426
	<b>Servicer</b> <Svcr>	[0..1]			426
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	426
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		427

#### 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 1527

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 1549

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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		424
	<b>Address</b> <Adr>	[1..1]	±		424

##### 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 1578

##### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	425
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		425
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		425
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			426
	<b>Identification</b> <Id>	[1..1]	Text		426
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		426
Or}	<b>Email</b> <Email>	[1..1]	Text		426

##### 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 1573

#### 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 1573

##### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		426

##### 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 1577

#### 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 1576

#### 18.4.3.3.4.6.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 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	<b>AnyBIC &lt;AnyBIC&gt;</b>	[1..1]	IdentifierSet	C2	426
Or}	<b>ProprietaryIdentification &lt;PrtryId&gt;</b>	[1..1]	±		427

##### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1424
	Currency <Ccy>	[0..1]	CodeSet	C1	1424
	Fees <Fees>	[0..*]	±		1424
	Donation <Dontrn>	[0..*]	±		1424

#### 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
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		430
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			430
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	430
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		430
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		430
	<b>Name</b> <Nm>	[0..1]	Text		430
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		431
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		431
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		431
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		431
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		431
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			431
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	431
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		432
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		432
	<b>Name</b> <Nm>	[0..1]	Text		432
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		432
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			432
	<b>Amount</b> <Amt>	[1..1]	Amount		432
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			433
	<b>Rate</b> <Rate>	[1..1]	Rate		433
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			433
	<b>Format</b> <Frmt>	[0..1]	CodeSet		433
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		434
	<b>ReferenceRate</b> <RefRate>	[0..1]			434
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		434
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		434
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		434

#### 18.4.3.3.8.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	430
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		430
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		430
	<b>Name</b> <Nm>	[0..1]	Text		430

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

##### 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 1574

##### 18.4.3.3.8.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

#### 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 1525

#### 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 1575

#### 18.4.3.3.8.5 InvertedExchangeRate <NvrtXchgRate>

*Presence:* [0..1]

*Definition:* Exchange rate, expressed as a percentage, applied to convert the resulting amount into the original amount.

*Datatype:* "PercentageRate" on page 1575

#### 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 1572

#### 18.4.3.3.8.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1572

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	431
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		432
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		432
	<b>Name</b> <Nm>	[0..1]	Text		432

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

#### 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 1574

#### 18.4.3.3.8.8.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

#### 18.4.3.3.8.9 OriginalAmount <OrgnlAmt>

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		432
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433

#### 18.4.3.3.8.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Commission expressed as an amount of money.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 18.4.3.3.8.10.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of commission.

*Datatype:* "Max350Text" on page 1577

#### 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
	<b>Rate</b> <Rate>	[1..1]	Rate		433
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		433

##### 18.4.3.3.8.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* "PercentageRate" on page 1575

##### 18.4.3.3.8.11.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1577

#### 18.4.3.3.8.12 DeclarationDetails <DclrtnDtls>

*Presence:* [0..1]

*Definition:* Card scheme declaration (disclamer) to present to the cardholder.

**DeclarationDetails <DclrtnDtls>** contains the following **ActionMessage5** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Format</b> <Frmt>	[0..1]	CodeSet		433
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		434

##### 18.4.3.3.8.12.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Format of the content.

*Datatype:* "OutputFormat1Code" on page 1562

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 1576

#### 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
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		434
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		434
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		434

#### 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 1575

#### 18.4.3.3.8.13.2 PublishDate <PblshDt>

*Presence:* [1..1]

*Definition:* Date when exchange rate published.

*Datatype:* "ISODateTime" on page 1572

#### 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 1577

#### 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 1577

#### 18.4.3.3.10 SelectedMix <SelctdMix>

*Presence:* [0..\*]

*Definition:* Media mix selected.

**SelectedMix <SelctdMix>** contains the following elements (see "ATMMediaMix1" on page 1464 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashUnitNumber <CshUnitNb>	[0..1]	Quantity		1464
	Number <Nb>	[1..1]	Quantity		1464
	UnitValue <UnitVal>	[1..1]	Amount		1464

#### 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 1574):

- *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 1526

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		436
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		436

#### 18.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503



# 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]			445
	MessageFunction <MsgFctn>	[1..1]			445
	Function <Fctn>	[1..1]	CodeSet		446
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		447
	HostServiceCode <HstSvcCd>	[0..1]	Text		447
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		447
	ExchangeIdentification <XchgId>	[1..1]	Text		448
	CreationDateTime <CreDtTm>	[1..1]	DateTime		448
	InitiatingParty <InitgPty>	[1..1]	Text		448
	RecipientParty <RcptPty>	[0..1]	Text		448
	ProcessState <PrcStat>	[0..1]	Text		448
	Traceability <Tracblt>	[0..*]			448
	RelayIdentification <RlayId>	[1..1]	±		448
	SequenceNumber <SeqNb>	[0..1]	Text		449
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		449
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		449
	ProtectedATMWithdrawalResponse <PrtctdATMWdrwlRspn>	[0..1]	±		449
	ATMWithdrawalResponse <ATMWdrwlRspn>	[0..1]			449
	Environment <Envt>	[1..1]			455
	Acquirer <Acqrr>	[0..1]	±		456
	ATMManager <ATMMgr>	[0..1]	±		457
	HostingEntity <HstgNtty>	[0..1]	±		457
	ATM <ATM>	[1..1]	±		457
	Customer <Cstmr>	[1..1]			458
	Profile <Prfl>	[0..1]			459
	ProfileReference <PrflRef>	[0..1]	Text		459
	CustomerIdentification <Cstmrlid>	[0..1]	Text		459
	AuthenticationResult <AuthntcnRslt>	[0..*]			459
	Method <Mtd>	[1..1]	CodeSet		460

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		460
	<b>Result</b> <RsIt>	[0..1]	CodeSet		461
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		461
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		461
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	461
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		462
	<b>PlainCardData</b> <PlainCardData>	[0..1]			462
	<b>PAN</b> <PAN>	[0..1]	Text		462
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		462
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		462
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		463
	<b>Track1</b> <Trck1>	[0..1]	Text		463
	<b>Track2</b> <Trck2>	[0..1]	Text		463
	<b>Track3</b> <Trck3>	[0..1]	Text		463
	<b>Context</b> <Cntxt>	[1..1]			463
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		464
	<b>Service</b> <Svc>	[0..1]			464
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		464
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		464
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		465
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		465
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		465
	<b>Transaction</b> <Tx>	[1..1]			465
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		470
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		471
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		471
	<b>AccountData</b> <AcctData>	[0..1]			471
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		472
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		473
	<b>AccountName</b> <AcctNm>	[0..1]	Text		474
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			474

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Name</b> <Nm>	[1..1]	Text		474
	<b>Address</b> <Adr>	[1..1]	±		474
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	475
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			475
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	476
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		476
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		476
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			476
	<b>Identification</b> <Id>	[1..1]	Text		476
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		477
Or}	<b>Email</b> <Email>	[1..1]	Text		477
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		477
	<b>Servicer</b> <Svcr>	[0..1]			477
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	477
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		477
	<b>Balance</b> <Bal>	[0..1]			478
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	478
	<b>Sign</b> <Sgn>	[0..1]	Indicator		478
	<b>Date</b> <Dt>	[0..1]	Date		479
	<b>Label</b> <Lbl>	[0..1]	Text		479
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		479
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		479
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..1]	±		479
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..1]	±		480
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		480
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		480
	<b>CurrencyConversionEligibility</b> <CcyConvslgblty>	[0..1]			480
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		482
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			482
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	482
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		482

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		482
	<b>Name</b> <Nm>	[0..1]	Text		482
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		483
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		483
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		483
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		483
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		483
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			483
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	483
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		484
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		484
	<b>Name</b> <Nm>	[0..1]	Text		484
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		484
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			484
	<b>Amount</b> <Amt>	[1..1]	Amount		484
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			485
	<b>Rate</b> <Rate>	[1..1]	Rate		485
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>DeclarationDetails</b> <Dclrtndtls>	[0..1]			485
	<b>Format</b> <Frmt>	[0..1]	CodeSet		485
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		486
	<b>ReferenceRate</b> <RefRate>	[0..1]			486
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		486
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		486
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		486
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		486
	<b>Limits</b> <Lmts>	[0..1]			487
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	487
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		487
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		488

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			488
	<b>Type</b> <Tp>	[1..1]	Text		488
	<b>Amount</b> <Amt>	[1..1]	Amount		488
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	488
	<b>Label</b> <Lbl>	[0..1]	Text		489
	<b>MixType</b> <MixTp>	[0..1]	Text		489
	<b>Mix</b> <Mix>	[0..*]	±		489
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			489
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		490
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			491
	<b>Response</b> <Rspn>	[1..1]	CodeSet		491
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		491
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		495
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			495
	<b>ResponderIdentification</b> <Rspndrld>	[1..1]	Text		496
	<b>Codification</b> <Cdfctn>	[0..1]	Text		496
	<b>Response</b> <Rspn>	[1..1]	Text		496
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		496
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		496
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		496
	<b>Action</b> <Actn>	[0..*]			496
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		497
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			497
	<b>Format</b> <Frmt>	[0..1]	CodeSet		498
	<b>Message</b> <Msg>	[0..1]	Text		498
	<b>Reference</b> <Ref>	[0..1]	Text		498
	<b>Device</b> <Dvc>	[0..1]	CodeSet		498
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		499
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		499
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			500
	<b>Amount</b> <Amt>	[1..1]	Amount		501

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	501
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		501
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		501
	<b>Command</b> <Cmd>	[0..*]			501
	<b>Type</b> <Tp>	[1..1]	CodeSet		502
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		502
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		502
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		502
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		503
	<b>AccountInformation</b> <AcctInf>	[0..*]			503
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		505
	<b>AccountName</b> <AcctNm>	[0..1]	Text		506
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		506
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	506
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			506
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	507
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		507
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		507
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			507
	<b>Identification</b> <Id>	[1..1]	Text		508
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		508
Or}	<b>Email</b> <Email>	[1..1]	Text		508
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		508
	<b>Servicer</b> <Svcr>	[0..1]			508
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	508
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		509
	<b>Balance</b> <Bal>	[0..*]			509
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	509
	<b>Sign</b> <Sgn>	[0..1]	Indicator		510
	<b>Date</b> <Dt>	[0..1]	Date		510
	<b>Label</b> <Lbl>	[0..1]	Text		510

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		510
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		510
	<b>AllowedService</b> <AllwdSvc>	[0..*]			511
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		511
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			512
	<b>Identification</b> <Id>	[1..1]	Text		512
	<b>Label</b> <Lbl>	[0..1]	Text		512
	<b>Limits</b> <Lmts>	[0..*]			512
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	513
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		513
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		513
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			513
	<b>Type</b> <Tp>	[1..1]	Text		514
	<b>Amount</b> <Amt>	[1..1]	Amount		514
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	514
	<b>Label</b> <Lbl>	[0..1]	Text		514
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			514
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		515
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		515

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			445
	<b>Function</b> <Fctn>	[1..1]	CodeSet		446
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		447
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		447
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		447
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		448
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		448
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		448
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		448
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		448
	<b>Traceability</b> <Tracblt>	[0..*]			448
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		448
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		449
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		449
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		449

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		446
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		447
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		447

#### 19.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

CodeName	Name	Definition
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.

#### 19.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 19.4.1.1.3 HostServiceCode <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 19.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

### 19.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

### 19.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 19.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		448
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		449
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		449
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		449

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 19.4.2 ProtectedATMWithdrawalResponse <PrtctdATMWdrwlRspn>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMWithdrawalResponse <PrtctdATMWdrwlRspn>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			455
	<b>Acquirer</b> <Acqrr>	[0..1]	±		456
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		457
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		457
	<b>ATM</b> <ATM>	[1..1]	±		457
	<b>Customer</b> <Cstmr>	[1..1]			458
	<b>Profile</b> <Prfl>	[0..1]			459
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		459
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		459
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			459
	<b>Method</b> <Mtd>	[1..1]	CodeSet		460
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		460
	<b>Result</b> <Rslt>	[0..1]	CodeSet		461
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		461
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		461
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	461
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		462
	<b>PlainCardData</b> <PlainCardData>	[0..1]			462
	<b>PAN</b> <PAN>	[0..1]	Text		462
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		462
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		462
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		463
	<b>Track1</b> <Trck1>	[0..1]	Text		463
	<b>Track2</b> <Trck2>	[0..1]	Text		463
	<b>Track3</b> <Trck3>	[0..1]	Text		463
	<b>Context</b> <Cntxt>	[1..1]			463
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		464
	<b>Service</b> <Svc>	[0..1]			464
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		464
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		464

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		465
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		465
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		465
	<b>Transaction</b> <Tx>	[1..1]			465
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		470
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		471
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		471
	<b>AccountData</b> <AcctData>	[0..1]			471
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		472
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		473
	<b>AccountName</b> <AcctNm>	[0..1]	Text		474
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			474
	<b>Name</b> <Nm>	[1..1]	Text		474
	<b>Address</b> <Adr>	[1..1]	±		474
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	475
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			475
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	476
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		476
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		476
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			476
	<b>Identification</b> <Id>	[1..1]	Text		476
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		477
Or}	<b>Email</b> <Email>	[1..1]	Text		477
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		477
	<b>Servicer</b> <Svcr>	[0..1]			477
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	477
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		477
	<b>Balance</b> <Bal>	[0..1]			478
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	478
	<b>Sign</b> <Sgn>	[0..1]	Indicator		478
	<b>Date</b> <Dt>	[0..1]	Date		479

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Label</b> <Labl>	[0..1]	Text		479
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		479
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		479
	<b>ProtectedAccountData</b> <PrctdAcctData>	[0..1]	±		479
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..1]	±		480
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		480
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		480
	<b>CurrencyConversionEligibility</b> <CcyConvslElgblty>	[0..1]			480
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		482
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			482
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	482
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		482
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		482
	<b>Name</b> <Nm>	[0..1]	Text		482
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		483
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		483
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		483
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		483
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		483
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			483
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	483
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		484
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		484
	<b>Name</b> <Nm>	[0..1]	Text		484
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		484
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			484
	<b>Amount</b> <Amt>	[1..1]	Amount		484
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			485
	<b>Rate</b> <Rate>	[1..1]	Rate		485
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			485
	<b>Format</b> <Frmt>	[0..1]	CodeSet		485
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		486
	<b>ReferenceRate</b> <RefRate>	[0..1]			486
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		486
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		486
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		486
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		486
	<b>Limits</b> <Lmts>	[0..1]			487
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	487
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		487
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		488
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			488
	<b>Type</b> <Tp>	[1..1]	Text		488
	<b>Amount</b> <Amt>	[1..1]	Amount		488
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	488
	<b>Label</b> <Labl>	[0..1]	Text		489
	<b>MixType</b> <MixTp>	[0..1]	Text		489
	<b>Mix</b> <Mix>	[0..*]	±		489
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			489
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		490
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			491
	<b>Response</b> <Rspn>	[1..1]	CodeSet		491
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		491
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		495
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			495
	<b>ResponderIdentification</b> <Rspndrld>	[1..1]	Text		496
	<b>Codification</b> <Cdfctn>	[0..1]	Text		496
	<b>Response</b> <Rspn>	[1..1]	Text		496
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		496
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		496

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		496
	<b>Action</b> <Actn>	[0..*]			496
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		497
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			497
	<b>Format</b> <Frmt>	[0..1]	CodeSet		498
	<b>Message</b> <Msg>	[0..1]	Text		498
	<b>Reference</b> <Ref>	[0..1]	Text		498
	<b>Device</b> <Dvc>	[0..1]	CodeSet		498
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		499
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		499
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			500
	<b>Amount</b> <Amt>	[1..1]	Amount		501
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	501
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		501
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		501
	<b>Command</b> <Cmd>	[0..*]			501
	<b>Type</b> <Tp>	[1..1]	CodeSet		502
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		502
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		502
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		502
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		503
	<b>AccountInformation</b> <AcctInf>	[0..*]			503
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		505
	<b>AccountName</b> <AcctNm>	[0..1]	Text		506
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		506
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	506
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			506
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	507
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		507
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		507
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			507

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		508
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		508
Or}	<b>Email</b> <Email>	[1..1]	Text		508
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		508
	<b>Servicer</b> <Svcr>	[0..1]			508
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	508
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		509
	<b>Balance</b> <Bal>	[0..*]			509
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	509
	<b>Sign</b> <Sgn>	[0..1]	Indicator		510
	<b>Date</b> <Dt>	[0..1]	Date		510
	<b>Label</b> <Lbl>	[0..1]	Text		510
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		510
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		510
	<b>AllowedService</b> <AllwdSvc>	[0..*]			511
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		511
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			512
	<b>Identification</b> <Id>	[1..1]	Text		512
	<b>Label</b> <Lbl>	[0..1]	Text		512
	<b>Limits</b> <Lmts>	[0..*]			512
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	513
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		513
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		513
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			513
	<b>Type</b> <Tp>	[1..1]	Text		514
	<b>Amount</b> <Amt>	[1..1]	Amount		514
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	514
	<b>Label</b> <Lbl>	[0..1]	Text		514

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		456
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		457
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		457
	<b>ATM</b> <ATM>	[1..1]	±		457
	<b>Customer</b> <Cstmr>	[1..1]			458
	<b>Profile</b> <Prfl>	[0..1]			459
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		459
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		459
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			459
	<b>Method</b> <Mtd>	[1..1]	CodeSet		460
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		460
	<b>Result</b> <Rslt>	[0..1]	CodeSet		461
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		461
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		461
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	461
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		462
	<b>PlainCardData</b> <PlainCardData>	[0..1]			462
	<b>PAN</b> <PAN>	[0..1]	Text		462
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		462
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		462
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		463
	<b>Track1</b> <Trck1>	[0..1]	Text		463
	<b>Track2</b> <Trck2>	[0..1]	Text		463
	<b>Track3</b> <Trck3>	[0..1]	Text		463

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 19.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine2" on page 1458 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1459
	AdditionalIdentification <AddtlId>	[0..1]	Text		1459
	SequenceNumber <SeqNb>	[0..1]	Text		1459
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1460
	Location <Lctn>	[0..1]			1460
	AddressLine <AdrLine>	[0..2]	Text		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

#### 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
	<b>Profile &lt;Prfl&gt;</b>	[0..1]			459
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		459
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		459
	<b>AuthenticationResult &lt;AuthntcnRslt&gt;</b>	[0..*]			459
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		460
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		460
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		461
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		461
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		461
	<b>PreferredLanguage &lt;PrefrdLang&gt;</b>	[0..1]	CodeSet	C5	461

#### 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
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		459
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		459

##### 19.4.3.1.5.1.1 ProfileReference <PrflRef>

*Presence:* [0..1]

*Definition:* Reference of the customer profile.

*Datatype:* "Max35Text" on page 1577

##### 19.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		460
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		460
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		461
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		461
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		461

#### 19.4.3.1.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 <Rslt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1571

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 <AddtlRslt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1578

#### 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 1526

#### 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 1559

## 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>PAN</b> <PAN>	[0..1]	Text		462
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		462
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		462
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		463
	<b>Track1</b> <Trck1>	[0..1]	Text		463
	<b>Track2</b> <Trck2>	[0..1]	Text		463
	<b>Track3</b> <Trck3>	[0..1]	Text		463

#### 19.4.3.1.7.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "[Min8Max28NumericText](#)" on page 1579

#### 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 1579

#### 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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		464
	<b>Service</b> <Svc>	[0..1]			464
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		464
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		464
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		465
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		465
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		465

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		464
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		464
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		465
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		465
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		465

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		470
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		471
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		471
	<b>AccountData</b> <AcctData>	[0..1]			471
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		472
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		473
	<b>AccountName</b> <AcctNm>	[0..1]	Text		474
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			474
	<b>Name</b> <Nm>	[1..1]	Text		474
	<b>Address</b> <Adr>	[1..1]	±		474
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	475
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			475
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	476
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		476
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		476
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			476
	<b>Identification</b> <Id>	[1..1]	Text		476
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		477
Or}	<b>Email</b> <Email>	[1..1]	Text		477
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		477
	<b>Servicer</b> <Svcr>	[0..1]			477
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	477
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		477
	<b>Balance</b> <Bal>	[0..1]			478
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	478
	<b>Sign</b> <Sgn>	[0..1]	Indicator		478
	<b>Date</b> <Dt>	[0..1]	Date		479
	<b>Label</b> <Lbl>	[0..1]	Text		479
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		479
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		479
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..1]	±		479

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..1]	±		480
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		480
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		480
	<b>CurrencyConversionEligibility</b> <CcyConvsElgbly>	[0..1]			480
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		482
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			482
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	482
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		482
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		482
	<b>Name</b> <Nm>	[0..1]	Text		482
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		483
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		483
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		483
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		483
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		483
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			483
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	483
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		484
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		484
	<b>Name</b> <Nm>	[0..1]	Text		484
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		484
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			484
	<b>Amount</b> <Amt>	[1..1]	Amount		484
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			485
	<b>Rate</b> <Rate>	[1..1]	Rate		485
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>DeclarationDetails</b> <DclrtDtls>	[0..1]			485
	<b>Format</b> <Frmt>	[0..1]	CodeSet		485
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		486
	<b>ReferenceRate</b> <RefRate>	[0..1]			486

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		486
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		486
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		486
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		486
	<b>Limits</b> <Lmts>	[0..1]			487
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	487
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		487
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		488
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			488
	<b>Type</b> <Tp>	[1..1]	Text		488
	<b>Amount</b> <Amt>	[1..1]	Amount		488
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	488
	<b>Label</b> <Lbl>	[0..1]	Text		489
	<b>MixType</b> <MixTp>	[0..1]	Text		489
	<b>Mix</b> <Mix>	[0..*]	±		489
	<b>AuthorisationResult</b> <AuthstnRslt>	[1..1]			489
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		490
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			491
	<b>Response</b> <Rspn>	[1..1]	CodeSet		491
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		491
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		495
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			495
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		496
	<b>Codification</b> <Cdfctn>	[0..1]	Text		496
	<b>Response</b> <Rspn>	[1..1]	Text		496
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		496
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		496
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		496
	<b>Action</b> <Actn>	[0..*]			496
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		497
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			497



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Format</b> <Frmt>	[0..1]	CodeSet		498
	<b>Message</b> <Msg>	[0..1]	Text		498
	<b>Reference</b> <Ref>	[0..1]	Text		498
	<b>Device</b> <Dvc>	[0..1]	CodeSet		498
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		499
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		499
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			500
	<b>Amount</b> <Amt>	[1..1]	Amount		501
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	501
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		501
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		501
	<b>Command</b> <Cmd>	[0..*]			501
	<b>Type</b> <Tp>	[1..1]	CodeSet		502
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		502
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		502
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		502
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		503
	<b>AccountInformation</b> <AcctInf>	[0..*]			503
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		505
	<b>AccountName</b> <AcctNm>	[0..1]	Text		506
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		506
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	506
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			506
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	507
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		507
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		507
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			507
	<b>Identification</b> <Id>	[1..1]	Text		508
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		508
Or}	<b>Email</b> <Email>	[1..1]	Text		508
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		508

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Servicer</b> <Svcr>	[0..1]			508
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	508
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		509
	<b>Balance</b> <Bal>	[0..*]			509
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	509
	<b>Sign</b> <Sgn>	[0..1]	Indicator		510
	<b>Date</b> <Dt>	[0..1]	Date		510
	<b>Label</b> <Lbl>	[0..1]	Text		510
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		510
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		510
	<b>AllowedService</b> <AllwdSvc>	[0..*]			511
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		511
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			512
	<b>Identification</b> <Id>	[1..1]	Text		512
	<b>Label</b> <Lbl>	[0..1]	Text		512
	<b>Limits</b> <Lmts>	[0..*]			512
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	513
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		513
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		513
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			513
	<b>Type</b> <Tp>	[1..1]	Text		514
	<b>Amount</b> <Amt>	[1..1]	Amount		514
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	514
	<b>Label</b> <Lbl>	[0..1]	Text		514

#### 19.4.3.3.1 TransactionIdentification <Txld>

*Presence:* [1..1]

*Definition:* Identification of the transaction assigned by the ATM.

**TransactionIdentification <TxId>** contains the following elements (see ["TransactionIdentifier3"](#) on page 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 19.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* ["Max35Text"](#) on page 1577

#### 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 1574):

- *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
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		472
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		473
	<b>AccountName</b> <AcctNm>	[0..1]	Text		474
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			474
	<b>Name</b> <Nm>	[1..1]	Text		474
	<b>Address</b> <Adr>	[1..1]	±		474
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	475
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			475
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	476
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		476
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		476
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			476
	<b>Identification</b> <Id>	[1..1]	Text		476
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		477
Or}	<b>Email</b> <Email>	[1..1]	Text		477
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		477
	<b>Servicer</b> <Svcr>	[0..1]			477
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	477
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		477
	<b>Balance</b> <Bal>	[0..1]			478
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	478
	<b>Sign</b> <Sgn>	[0..1]	Indicator		478
	<b>Date</b> <Dt>	[0..1]	Date		479
	<b>Label</b> <Lbl>	[0..1]	Text		479
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		479
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		479

#### 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 1527

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 1549

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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		474
	<b>Address</b> <Adr>	[1..1]	±		474

##### 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 1578

##### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	476
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		476
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		476
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			476
	<b>Identification</b> <Id>	[1..1]	Text		476
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		477
Or}	<b>Email</b> <Email>	[1..1]	Text		477

#### 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 1573

##### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		476

##### 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 1577



#### 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 1576

#### 19.4.3.3.4.6.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 19.4.3.3.4.7 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	477
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		477

##### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	478
	<b>Sign</b> <Sgn>	[0..1]	Indicator		478
	<b>Date</b> <Dt>	[0..1]	Date		479
	<b>Label</b> <Lab>	[0..1]	Text		479

##### 19.4.3.3.4.9.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* [C6 "ValidationByTable"](#)

*Datatype:* "[CurrencyAndAmount](#)" on page 1525

#### 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 1574):

- *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 1572

#### 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 1578

#### 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 1574):

- *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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 19.4.3.3.6 TotalAuthorisedAmount <TtlAuthrsdAmt>

*Presence:* [1..1]

*Definition:* Total authorised amount.

**TotalAuthorisedAmount <TtlAuthrsdAmt>** contains the following elements (see "[AmountAndCurrency1](#)" on page 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 19.4.3.3.7 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..1]

*Definition:* Total requested amount.

*Datatype:* "[ImpliedCurrencyAndAmount](#)" on page 1525

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1424
	Currency <Ccy>	[0..1]	CodeSet	C1	1424
	Fees <Fees>	[0..*]	±		1424
	Donation <Dontn>	[0..*]	±		1424

#### 19.4.3.3.9 CurrencyConversionEligibility <CcyConvslgblty>

*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
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		482
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			482
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	482
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		482
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		482
	<b>Name</b> <Nm>	[0..1]	Text		482
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		483
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		483
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		483
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		483
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		483
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			483
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	483
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		484
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		484
	<b>Name</b> <Nm>	[0..1]	Text		484
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		484
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			484
	<b>Amount</b> <Amt>	[1..1]	Amount		484
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			485
	<b>Rate</b> <Rate>	[1..1]	Rate		485
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			485
	<b>Format</b> <Frmt>	[0..1]	CodeSet		485
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		486
	<b>ReferenceRate</b> <RefRate>	[0..1]			486
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		486
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		486
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		486

#### 19.4.3.3.9.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	482
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		482
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		482
	<b>Name</b> <Nm>	[0..1]	Text		482

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

##### 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 1574

##### 19.4.3.3.9.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

#### 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 1525

#### 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 1575

#### 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 1575

#### 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 1572

#### 19.4.3.3.9.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1572

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	483
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		484
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		484
	<b>Name</b> <Nm>	[0..1]	Text		484

##### 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 1529

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

**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 1574

**19.4.3.3.9.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

**19.4.3.3.9.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

**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
	<b>Amount</b> <Amt>	[1..1]	Amount		484
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485

**19.4.3.3.9.10.1 Amount <Amt>**

*Presence:* [1..1]



*Definition:* Commission expressed as an amount of money.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 19.4.3.3.9.10.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of commission.

*Datatype:* "Max350Text" on page 1577

#### 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
	<b>Rate</b> <Rate>	[1..1]	Rate		485
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		485

##### 19.4.3.3.9.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* "PercentageRate" on page 1575

##### 19.4.3.3.9.11.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1577

#### 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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		485
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		486

##### 19.4.3.3.9.12.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Format of the content.

*Datatype:* "OutputFormat1Code" on page 1562

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 1576

#### 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
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		486
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		486
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		486

#### 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 1575

#### 19.4.3.3.9.13.2 PublishDate <PblshDt>

*Presence:* [1..1]

*Definition:* Date when exchange rate published.

*Datatype:* "ISODateTime" on page 1572

#### 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 1577

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	487
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		487
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		488
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			488
	<b>Type</b> <Tp>	[1..1]	Text		488
	<b>Amount</b> <Amt>	[1..1]	Amount		488
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	488
	<b>Label</b> <Labl>	[0..1]	Text		489

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	Text		488
	<b>Amount</b> <Amt>	[1..1]	Amount		488
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	488
	<b>Label</b> <Labl>	[0..1]	Text		489

##### 19.4.3.3.11.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

##### 19.4.3.3.11.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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 1577

#### 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 1464 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashUnitNumber <CshUnitNb>	[0..1]	Quantity		1464
	Number <Nb>	[1..1]	Quantity		1464
	UnitValue <UnitVal>	[1..1]	Amount		1464

#### 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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		490
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			491
	<b>Response</b> <Rspn>	[1..1]	CodeSet		491
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		491
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		495
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			495
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		496
	<b>Codification</b> <Cdfctn>	[0..1]	Text		496
	<b>Response</b> <Rspn>	[1..1]	Text		496
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		496
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		496
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		496
	<b>Action</b> <Actn>	[0..*]			496
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		497
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			497
	<b>Format</b> <Frmt>	[0..1]	CodeSet		498
	<b>Message</b> <Msg>	[0..1]	Text		498
	<b>Reference</b> <Ref>	[0..1]	Text		498
	<b>Device</b> <Dvc>	[0..1]	CodeSet		498
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		499
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		499
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			500
	<b>Amount</b> <Amt>	[1..1]	Amount		501
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	501
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		501

#### 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 1563

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.

#### 19.4.3.3.14.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Result of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		491
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		491
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		495

#### 19.4.3.3.14.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

#### 19.4.3.3.14.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.



CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.

#### 19.4.3.3.14.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		496
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		496
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		496
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		496
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		496

#### 19.4.3.3.14.3.1 ResponderIdentification <RspndrId>

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 19.4.3.3.14.3.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### 19.4.3.3.14.3.4 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 19.4.3.3.14.4 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		497
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			497
	<b>Format</b> <Frmt>	[0..1]	CodeSet		498
	<b>Message</b> <Msg>	[0..1]	Text		498
	<b>Reference</b> <Ref>	[0..1]	Text		498
	<b>Device</b> <Dvc>	[0..1]	CodeSet		498
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		499
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		499

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		498
	<b>Message</b> <Msg>	[0..1]	Text		498
	<b>Reference</b> <Ref>	[0..1]	Text		498
	<b>Device</b> <Dvc>	[0..1]	CodeSet		498
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		499

#### 19.4.3.3.14.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 19.4.3.3.14.5.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 19.4.3.3.14.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		501
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	501
	<b>FeeLabel</b> <FeeLab/>	[0..1]	Text		501



#### 19.4.3.3.14.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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 1526

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		502
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		502
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		502
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		502
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		503

#### 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 1534

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.

#### 19.4.3.3.16.2 Urgency <Urgcy>

*Presence:* [1..1]

*Definition:* Urgency of the command.

*Datatype:* "TMSContactLevel2Code" on page 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

#### 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
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		505
	<b>AccountName</b> <AcctNm>	[0..1]	Text		506
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		506
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	506
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			506
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	507
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		507
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		507
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			507
	<b>Identification</b> <Id>	[1..1]	Text		508
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		508
Or}	<b>Email</b> <Email>	[1..1]	Text		508
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		508
	<b>Servicer</b> <Svcr>	[0..1]			508
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	508
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		509
	<b>Balance</b> <Bal>	[0..*]			509
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	509
	<b>Sign</b> <Sgn>	[0..1]	Indicator		510
	<b>Date</b> <Dt>	[0..1]	Date		510
	<b>Label</b> <Labl>	[0..1]	Text		510
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		510
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		510
	<b>AllowedService</b> <AllwdSvc>	[0..*]			511
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		511
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			512
	<b>Identification</b> <Id>	[1..1]	Text		512
	<b>Label</b> <Labl>	[0..1]	Text		512
	<b>Limits</b> <Lmts>	[0..*]			512
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	513
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		513

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		513
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			513
	<b>Type</b> <Tp>	[1..1]	Text		514
	<b>Amount</b> <Amt>	[1..1]	Amount		514
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	514
	<b>Label</b> <Labl>	[0..1]	Text		514

#### 19.4.3.3.17.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1549

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 1578

#### 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 1533

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	507
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		507
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		507
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			507
	<b>Identification</b> <Id>	[1..1]	Text		508
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		508
Or}	<b>Email</b> <Email>	[1..1]	Text		508

#### 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 1573

#### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		508

#### 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 1577

#### 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 1576

#### 19.4.3.3.17.5.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 19.4.3.3.17.6 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC &lt;AnyBIC&gt;</b>	[1..1]	IdentifierSet	C2	508
Or}	<b>ProprietaryIdentification &lt;PrtryId&gt;</b>	[1..1]	±		509

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	509
	<b>Sign</b> <Sgn>	[0..1]	Indicator		510
	<b>Date</b> <Dt>	[0..1]	Date		510
	<b>Label</b> <Labl>	[0..1]	Text		510

#### 19.4.3.3.17.8.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

## 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 1574](#)):

- *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 1572](#)

### 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 1578](#)

### 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 1574](#)):

- *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 1574](#)):

- *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
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		511
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			512
	<b>Identification</b> <Id>	[1..1]	Text		512
	<b>Label</b> <Labl>	[0..1]	Text		512
	<b>Limits</b> <Lmts>	[0..*]			512
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	513
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		513
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		513
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			513
	<b>Type</b> <Tp>	[1..1]	Text		514
	<b>Amount</b> <Amt>	[1..1]	Amount		514
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	514
	<b>Label</b> <Labl>	[0..1]	Text		514

##### 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 1544

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
	<b>Identification</b> <Id>	[1..1]	Text		512
	<b>Label</b> <Labl>	[0..1]	Text		512

##### 19.4.3.3.17.11.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 19.4.3.3.17.11.2.2 Label <Labl>

*Presence:* [0..1]

*Definition:* Label of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	513
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		513
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		513
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			513
	<b>Type</b> <Tp>	[1..1]	Text		514
	<b>Amount</b> <Amt>	[1..1]	Amount		514
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	514
	<b>Label</b> <Labl>	[0..1]	Text		514

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		514
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		514
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	514
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		514

#### 19.4.3.3.17.11.3.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 19.4.3.3.17.11.3.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		515
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		515

#### 19.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			
	<b>Header</b> <Hdr>	[1..1]			525
	<b>MessageFunction</b> <MsgFctn>	[1..1]			526
	<b>Function</b> <Fctn>	[1..1]	CodeSet		526
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		528
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		528
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		528
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		528
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		528
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		529
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		529
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		529
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		529
	<b>Traceability</b> <Tracblt>	[0..*]			529
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		529
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		530
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		530
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		530
	<b>ProtectedATMWithdrawalCompletionAdvice</b> <PrctdATMWdrwlCmpltnAdv>	[0..1]	±		530
	<b>ATMWithdrawalCompletionAdvice</b> <ATMWdrwlCmpltnAdv>	[0..1]			530
	<b>Environment</b> <Envt>	[1..1]			539
	<b>Acquirer</b> <Acqrr>	[0..1]	±		542
	<b>ATMManagerIdentification</b> <ATMMgrId>	[0..1]	Text		542
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		543
	<b>ATM</b> <ATM>	[1..1]			543
	<b>Identification</b> <Id>	[1..1]	Text		545
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		545
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		545
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	546

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Location</b> <Lctn>	[0..1]			546
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		546
	<b>StreetName</b> <StrtNm>	[0..1]	Text		547
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		547
	<b>PostCode</b> <PstCd>	[0..1]	Text		547
	<b>TownName</b> <TwnNm>	[1..1]	Text		547
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		547
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	547
	<b>GeoLocation</b> <GLctn>	[0..1]			547
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			548
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			548
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		549
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		549
	<b>Capabilities</b> <Cpblties>	[0..1]			549
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		550
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		550
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		551
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		551
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		551
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		551
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		552
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		552
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		552
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			553
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		553
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		553
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		554

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		554
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	554
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		554
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		554
	<b>Equipment</b> <Eqpmnt>	[0..1]			554
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		555
	<b>Model</b> <Mdl>	[0..1]	Text		555
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		555
	<b>ApplicationProvider</b> <AppIPrvdr>	[0..1]	Text		555
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		555
	<b>ApplicationVersion</b> <AppIVrsn>	[0..1]	Text		556
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		556
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			556
	<b>Type</b> <Tp>	[1..1]	CodeSet		556
	<b>Version</b> <Vrsn>	[1..1]	Text		557
	<b>Customer</b> <Cstmr>	[1..1]			557
	<b>Profile</b> <Prfl>	[0..1]			557
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		557
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		558
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		558
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	558
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	558
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			559
	<b>Method</b> <Mtd>	[1..1]	CodeSet		559
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		559
	<b>Result</b> <Rslt>	[0..1]	CodeSet		560
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		560
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		560
	<b>Card</b> <Card>	[0..1]			560
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		561
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		562

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		562
	<b>PlainCardData</b> <PlainCardData>	[0..1]			562
	<b>PAN</b> <PAN>	[0..1]	Text		562
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		563
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		563
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		563
	<b>Track1</b> <Trck1>	[0..1]	Text		563
	<b>Track2</b> <Trck2>	[0..1]	Text		563
	<b>Track3</b> <Trck3>	[0..1]	Text		563
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		563
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		563
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	564
	<b>Context</b> <Cntxt>	[1..1]			564
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		564
	<b>Service</b> <Svc>	[0..1]			564
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		565
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		565
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		565
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		565
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		566
	<b>Transaction</b> <Tx>	[1..1]			566
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		571
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		571
	<b>MultiBundle</b> <MultiBndl>	[0..1]	Indicator		571
	<b>BundlePresentedAmount</b> <BndlPresntdAmt>	[0..*]	Amount		572
	<b>PresentedAmountStatus</b> <PresntdAmtSts>	[1..1]	CodeSet		572
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		572
	<b>IncidentDetail</b> <IncdntDtl>	[0..*]	Text		574
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		574
	<b>AccountData</b> <AcctData>	[0..1]			574
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		575

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		575
	<b>AccountName</b> <AcctNm>	[0..1]	Text		576
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	576
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			577
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	577
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		577
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		578
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			578
	<b>Identification</b> <Id>	[1..1]	Text		578
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		578
Or}	<b>Email</b> <Email>	[1..1]	Text		578
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		578
	<b>Servicer</b> <Svcr>	[0..1]			579
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	579
Or}	<b>ProprietaryIdentification</b> <Prtryld>	[1..1]	±		579
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..1]	±		579
	<b>TotalPresentedAmount</b> <TtlPresntdAmt>	[1..1]	±		580
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[0..1]	Amount		580
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		580
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		580
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			581
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		583
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			583
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	583
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		583
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		583
	<b>Name</b> <Nm>	[0..1]	Text		583
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		584
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		584
	<b>InvertedExchangeRate</b> <NvrtedXchgRate>	[0..1]	Rate		584
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		584

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		584
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			584
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	584
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		585
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		585
	<b>Name</b> <Nm>	[0..1]	Text		585
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		585
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			585
	<b>Amount</b> <Amt>	[1..1]	Amount		585
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			586
	<b>Rate</b> <Rate>	[1..1]	Rate		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			586
	<b>Format</b> <Frmt>	[0..1]	CodeSet		586
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		587
	<b>ReferenceRate</b> <RefRate>	[0..1]			587
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		587
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		587
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		587
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		587
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		588
	<b>ReceiptPrinted</b> <RctPrt>	[0..1]	Indicator		588
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		588
	<b>Limits</b> <Lmts>	[0..1]			588
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	589
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		589
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		589
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			589
	<b>Type</b> <Tp>	[1..1]	Text		590
	<b>Amount</b> <Amt>	[1..1]	Amount		590

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	590
	<b>Label</b> <Lbl>	[0..1]	Text		590
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			590
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		591
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			592
	<b>Response</b> <Rspn>	[1..1]	CodeSet		592
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		592
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		596
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			596
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		597
	<b>Codification</b> <Cdftn>	[0..1]	Text		597
	<b>Response</b> <Rspn>	[1..1]	Text		597
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		597
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		597
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		597
	<b>Action</b> <Actn>	[0..*]			597
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		598
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			598
	<b>Format</b> <Frmt>	[0..1]	CodeSet		599
	<b>Message</b> <Msg>	[0..1]	Text		599
	<b>Reference</b> <Ref>	[0..1]	Text		599
	<b>Device</b> <Dvc>	[0..1]	CodeSet		599
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		600
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		600
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			601
	<b>Amount</b> <Amt>	[1..1]	Amount		602
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	602
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		602
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		602
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		602
	<b>Cassette</b> <Csstt>	[0..*]			603

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		605
	<b>LogicalIdentification</b> <LogcId>	[1..1]	Text		605
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		605
	<b>Type</b> <Tp>	[1..1]	CodeSet		605
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		605
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		606
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			606
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		607
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	607
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		608
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		608
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		608
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		608
	<b>FlowTotals</b> <FlowTtls>	[0..*]			608
	<b>Type</b> <Tp>	[1..1]	CodeSet		609
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		609
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		610
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		610
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		610
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		610
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		610
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		610
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		610
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		610
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		611
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		611
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		611
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		611
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		611
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			612
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		612



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		612

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			526
	<b>Function</b> <Fctn>	[1..1]	CodeSet		526
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		528
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		528
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		528
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		528
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		528
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		529
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		529
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		529
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		529
	<b>Traceability</b> <Tracblt>	[0..*]			529
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		529
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		530
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		530
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		530

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		526
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		528
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		528

##### 20.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 20.4.1.1.2 ATMSvcCd <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 20.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 20.4.1.3 ExchangeId <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 20.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

### 20.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 20.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		529
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		530
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		530
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		530

#### 20.4.1.9.1 RelayIdentification <RlayId>

*Presence:* [1..1]

*Definition:* Identification of a partner of a message exchange.

**RelayIdentification <RlayId>** contains the following elements (see "[GenericIdentification77](#)" on page 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 20.4.2 ProtectedATMWithdrawalCompletionAdvice <PrtctdATMWdrwlCmpltnAdvc>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMWithdrawalCompletionAdvice <PrtctdATMWdrwlCmpltnAdvc>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 20.4.3 ATMWithdrawalCompletionAdvice <ATMWdrwlCmpltnAdvc>

*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
	<b>Environment</b> <Envt>	[1..1]			539
	<b>Acquirer</b> <Acqrr>	[0..1]	±		542
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		542
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		543
	<b>ATM</b> <ATM>	[1..1]			543
	<b>Identification</b> <Id>	[1..1]	Text		545
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		545
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		545
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	546
	<b>Location</b> <Lctn>	[0..1]			546
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		546
	<b>StreetName</b> <StrtNm>	[0..1]	Text		547
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		547
	<b>PostCode</b> <PstCd>	[0..1]	Text		547
	<b>TownName</b> <TwnNm>	[1..1]	Text		547
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		547
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	547
	<b>GeoLocation</b> <GLctn>	[0..1]			547
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			548
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			548
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		549
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		549
	<b>Capabilities</b> <Cpblties>	[0..1]			549
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		550
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		550
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		551



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		551
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		551
	<b>MaxScriptLength</b> <MxScrptLngh>	[0..1]	Quantity		551
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		552
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		552
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		552
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			553
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		553
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		553
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		554
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		554
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	554
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		554
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		554
	<b>Equipment</b> <Eqpmnt>	[0..1]			554
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		555
	<b>Model</b> <Mdl>	[0..1]	Text		555
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		555
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		555
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		555
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		556
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		556
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			556
	<b>Type</b> <Tp>	[1..1]	CodeSet		556
	<b>Version</b> <Vrsn>	[1..1]	Text		557
	<b>Customer</b> <Cstmr>	[1..1]			557
	<b>Profile</b> <Prfl>	[0..1]			557
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		557
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		558
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		558
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	558

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	558
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			559
	<b>Method</b> <Mtd>	[1..1]	CodeSet		559
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		559
	<b>Result</b> <Rslt>	[0..1]	CodeSet		560
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		560
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		560
	<b>Card</b> <Card>	[0..1]			560
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		561
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		562
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		562
	<b>PlainCardData</b> <PlainCardData>	[0..1]			562
	<b>PAN</b> <PAN>	[0..1]	Text		562
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		563
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		563
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		563
	<b>Track1</b> <Trck1>	[0..1]	Text		563
	<b>Track2</b> <Trck2>	[0..1]	Text		563
	<b>Track3</b> <Trck3>	[0..1]	Text		563
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		563
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		563
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	564
	<b>Context</b> <Cntxt>	[1..1]			564
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		564
	<b>Service</b> <Svc>	[0..1]			564
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		565
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		565
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		565
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		565
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		566
	<b>Transaction</b> <Tx>	[1..1]			566

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		571
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		571
	<b>MultiBundle</b> <MultiBndl>	[0..1]	Indicator		571
	<b>BundlePresentedAmount</b> <BndIPresntdAmt>	[0..*]	Amount		572
	<b>PresentedAmountStatus</b> <PresntdAmtSts>	[1..1]	CodeSet		572
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		572
	<b>IncidentDetail</b> <IncdntDtl>	[0..*]	Text		574
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		574
	<b>AccountData</b> <AcctData>	[0..1]			574
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		575
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		575
	<b>AccountName</b> <AcctNm>	[0..1]	Text		576
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	576
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			577
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	577
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		577
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		578
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			578
	<b>Identification</b> <Id>	[1..1]	Text		578
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		578
Or}	<b>Email</b> <Email>	[1..1]	Text		578
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		578
	<b>Servicer</b> <Svcr>	[0..1]			579
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	579
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		579
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..1]	±		579
	<b>TotalPresentedAmount</b> <TtlPresntdAmt>	[1..1]	±		580
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[0..1]	Amount		580
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		580
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		580
	<b>CurrencyConversionResult</b> <CcyConvsRslt>	[0..1]			581

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		583
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			583
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	583
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		583
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		583
	<b>Name</b> <Nm>	[0..1]	Text		583
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		584
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		584
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		584
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		584
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		584
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			584
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	584
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		585
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		585
	<b>Name</b> <Nm>	[0..1]	Text		585
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		585
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			585
	<b>Amount</b> <Amt>	[1..1]	Amount		585
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			586
	<b>Rate</b> <Rate>	[1..1]	Rate		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			586
	<b>Format</b> <Frmt>	[0..1]	CodeSet		586
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		587
	<b>ReferenceRate</b> <RefRate>	[0..1]			587
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		587
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		587
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		587
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		587

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		588
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		588
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		588
	<b>Limits</b> <Lmts>	[0..1]			588
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	589
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		589
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		589
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			589
	<b>Type</b> <Tp>	[1..1]	Text		590
	<b>Amount</b> <Amt>	[1..1]	Amount		590
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	590
	<b>Label</b> <Lbl>	[0..1]	Text		590
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			590
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		591
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			592
	<b>Response</b> <Rspn>	[1..1]	CodeSet		592
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		592
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		596
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			596
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		597
	<b>Codification</b> <Cdfctn>	[0..1]	Text		597
	<b>Response</b> <Rspn>	[1..1]	Text		597
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		597
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		597
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		597
	<b>Action</b> <Actn>	[0..*]			597
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		598
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			598
	<b>Format</b> <Frmt>	[0..1]	CodeSet		599
	<b>Message</b> <Msg>	[0..1]	Text		599
	<b>Reference</b> <Ref>	[0..1]	Text		599

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Device</b> <Dvc>	[0..1]	CodeSet		599
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		600
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		600
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			601
	<b>Amount</b> <Amt>	[1..1]	Amount		602
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	602
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		602
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		602
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		602
	<b>Cassette</b> <Csstt>	[0..*]			603
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		605
	<b>LogicalIdentification</b> <Logclld>	[1..1]	Text		605
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		605
	<b>Type</b> <Tp>	[1..1]	CodeSet		605
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		605
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		606
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			606
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		607
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	607
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		608
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		608
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		608
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		608
	<b>FlowTotals</b> <FlowTtls>	[0..*]			608
	<b>Type</b> <Tp>	[1..1]	CodeSet		609
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		609
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		610
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		610
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		610
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		610
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		610

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		610
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		610
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		610
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		611
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		611
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		611
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		611
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		611

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		542
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		542
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		543
	<b>ATM</b> <ATM>	[1..1]			543
	<b>Identification</b> <Id>	[1..1]	Text		545
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		545
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		545
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	546
	<b>Location</b> <Lctn>	[0..1]			546
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		546
	<b>StreetName</b> <StrtNm>	[0..1]	Text		547
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		547
	<b>PostCode</b> <PstCd>	[0..1]	Text		547
	<b>TownName</b> <TwnNm>	[1..1]	Text		547
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		547
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	547
	<b>GeoLocation</b> <GLctn>	[0..1]			547
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			548
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			548
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		549
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		549
	<b>Capabilities</b> <Cpblties>	[0..1]			549
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		550
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		550
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		551
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		551
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		551



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		551
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		552
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		552
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		552
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			553
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		553
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		553
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		554
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		554
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	554
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		554
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		554
	<b>Equipment</b> <Eqpmnt>	[0..1]			554
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		555
	<b>Model</b> <Mdl>	[0..1]	Text		555
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		555
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		555
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		555
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		556
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		556
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			556
	<b>Type</b> <Tp>	[1..1]	CodeSet		556
	<b>Version</b> <Vrsn>	[1..1]	Text		557
	<b>Customer</b> <Cstmr>	[1..1]			557
	<b>Profile</b> <Prfl>	[0..1]			557
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		557
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		558
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		558
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	558
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	558
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			559

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		559
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		559
	<b>Result</b> <RsIt>	[0..1]	CodeSet		560
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		560
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		560
	<b>Card</b> <Card>	[0..1]			560
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		561
	<b>FallbackIndicator</b> <FlfbckInd>	[0..1]	Indicator		562
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		562
	<b>PlainCardData</b> <PlainCardData>	[0..1]			562
	<b>PAN</b> <PAN>	[0..1]	Text		562
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		563
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		563
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		563
	<b>Track1</b> <Trck1>	[0..1]	Text		563
	<b>Track2</b> <Trck2>	[0..1]	Text		563
	<b>Track3</b> <Trck3>	[0..1]	Text		563
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		563
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		563
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	564

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 20.4.3.1.2 ATMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

### 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
	<b>Identification</b> <Id>	[1..1]	Text		545
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		545
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		545
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	546
	<b>Location</b> <Lctn>	[0..1]			546
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		546
	<b>StreetName</b> <StrtNm>	[0..1]	Text		547
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		547
	<b>PostCode</b> <PstCd>	[0..1]	Text		547
	<b>TownName</b> <TwnNm>	[1..1]	Text		547
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		547
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	547
	<b>GeoLocation</b> <GLctn>	[0..1]			547
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			548
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			548
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		549
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		549
	<b>Capabilities</b> <Cpbilities>	[0..1]			549
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		550
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		550
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		551
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		551
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		551
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		551
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		552
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		552
	<b>DepositedMedia</b> <DpstddMdia>	[0..*]	CodeSet		552

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			553
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		553
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		553
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		554
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		554
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	554
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		554
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		554
	<b>Equipment</b> <Eqpmnt>	[0..1]			554
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		555
	<b>Model</b> <Mdl>	[0..1]	Text		555
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		555
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		555
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		555
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		556
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		556
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			556
	<b>Type</b> <Tp>	[1..1]	CodeSet		556
	<b>Version</b> <Vrsn>	[1..1]	Text		557

#### 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 1577

#### 20.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		546
	<b>StreetName</b> <StrtNm>	[0..1]	Text		547
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		547
	<b>PostCode</b> <PstCd>	[0..1]	Text		547
	<b>TownName</b> <TwnNm>	[1..1]	Text		547
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		547
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	547
	<b>GeoLocation</b> <GLctn>	[0..1]			547
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			548
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			548
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		549

##### 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 1578

#### **20.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

##### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			548
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			548
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		549

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		548
	<b>Longitude</b> <Long>	[1..1]	Text		548

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		549
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		549
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		549

#### 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 1576

#### 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 1574

#### 20.4.3.1.4.5.8.2.3 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 1574

#### 20.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		550
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		550
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		551
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		551
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		551
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		551
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		552
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		552
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		552
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			553
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		553
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		553
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		554
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		554
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	554
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		554
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		554

#### 20.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 20.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 20.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 20.4.3.1.4.7.4 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 1574

#### 20.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 20.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 20.4.3.1.4.7.7 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 1574):

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

#### 20.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 20.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 20.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		553
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		553
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		554
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		554
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	554

##### 20.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 20.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### **20.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>**

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### **20.4.3.1.4.7.10.4 LineWidth <LineWidth>**

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### **20.4.3.1.4.7.10.5 AvailableLanguage <AvlblLang>**

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C5 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1559

##### **Constraints**

- **ValidationByTable**

Must be a valid terrestrial language.

#### **20.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>**

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### **20.4.3.1.4.7.12 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 1574):

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

#### **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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		555
	<b>Model</b> <Mdl>	[0..1]	Text		555
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		555
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		555
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		555
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		556
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		556
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			556
	<b>Type</b> <Tp>	[1..1]	CodeSet		556
	<b>Version</b> <Vrsn>	[1..1]	Text		557

#### 20.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 20.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		556
	<b>Version</b> <Vrsn>	[1..1]	Text		557

##### 20.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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.



#### 20.4.3.1.4.8.8.2 Version <Vrsn>

*Presence:* [1..1]

*Definition:* Active version of the configuration.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			557
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		557
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		558
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		558
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	558
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	558
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			559
	<b>Method</b> <Mtd>	[1..1]	CodeSet		559
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		559
	<b>Result</b> <Rslt>	[0..1]	CodeSet		560
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		560
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		560

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		557
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		558
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		558
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	558

#### 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 1537

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 1577

#### 20.4.3.1.5.1.3 CustomerIdentification <CstmrId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

##### 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 1559

## 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		559
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		559
	<b>Result</b> <Rslt>	[0..1]	CodeSet		560
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		560
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		560

#### 20.4.3.1.5.3.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		561
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		562
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		562
	<b>PlainCardData</b> <PlainCardData>	[0..1]			562
	<b>PAN</b> <PAN>	[0..1]	Text		562
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		563
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		563
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		563
	<b>Track1</b> <Trck1>	[0..1]	Text		563
	<b>Track2</b> <Trck2>	[0..1]	Text		563
	<b>Track3</b> <Trck3>	[0..1]	Text		563
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		563
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		563
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	564

#### 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 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		562
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		563
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		563
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		563
	<b>Track1</b> <Trck1>	[0..1]	Text		563
	<b>Track2</b> <Trck2>	[0..1]	Text		563
	<b>Track3</b> <Trck3>	[0..1]	Text		563

##### 20.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### **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 1579

#### **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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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 1578

#### **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 1575

#### 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 1525

##### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		564
	<b>Service</b> <Svc>	[0..1]			564
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		565
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		565
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		565
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		565
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		566

##### 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 1577

##### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		565
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		565
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		565
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		565
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		566

#### 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 1577

#### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### **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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		571
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		571
	<b>MultiBundle</b> <MultiBndl>	[0..1]	Indicator		571
	<b>BundlePresentedAmount</b> <BndlPresntdAmt>	[0..*]	Amount		572
	<b>PresentedAmountStatus</b> <PresntdAmtSts>	[1..1]	CodeSet		572
	<b>Incident</b> <IncDnt>	[0..*]	CodeSet		572
	<b>IncidentDetail</b> <IncDntDtl>	[0..*]	Text		574
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		574
	<b>AccountData</b> <AcctData>	[0..1]			574
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		575
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		575
	<b>AccountName</b> <AcctNm>	[0..1]	Text		576
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	576
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			577
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	577
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		577
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		578
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			578
	<b>Identification</b> <Id>	[1..1]	Text		578
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		578
Or}	<b>Email</b> <Email>	[1..1]	Text		578
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		578
	<b>Servicer</b> <Svcr>	[0..1]			579
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	579
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		579
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..1]	±		579
	<b>TotalPresentedAmount</b> <TtlPresntdAmt>	[1..1]	±		580
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[0..1]	Amount		580
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		580
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		580
	<b>CurrencyConversionResult</b> <CcyConvrsRslt>	[0..1]			581

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		583
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			583
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	583
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		583
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		583
	<b>Name</b> <Nm>	[0..1]	Text		583
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		584
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		584
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		584
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		584
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		584
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			584
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	584
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		585
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		585
	<b>Name</b> <Nm>	[0..1]	Text		585
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		585
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			585
	<b>Amount</b> <Amt>	[1..1]	Amount		585
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			586
	<b>Rate</b> <Rate>	[1..1]	Rate		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			586
	<b>Format</b> <Frmt>	[0..1]	CodeSet		586
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		587
	<b>ReferenceRate</b> <RefRate>	[0..1]			587
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		587
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		587
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		587
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		587

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		588
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		588
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		588
	<b>Limits</b> <Lmts>	[0..1]			588
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	589
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		589
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		589
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			589
	<b>Type</b> <Tp>	[1..1]	Text		590
	<b>Amount</b> <Amt>	[1..1]	Amount		590
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	590
	<b>Label</b> <Lbl>	[0..1]	Text		590
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			590
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		591
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			592
	<b>Response</b> <Rspn>	[1..1]	CodeSet		592
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		592
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		596
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			596
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		597
	<b>Codification</b> <Cdftcn>	[0..1]	Text		597
	<b>Response</b> <Rspn>	[1..1]	Text		597
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		597
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		597
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		597
	<b>Action</b> <Actn>	[0..*]			597
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		598
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			598
	<b>Format</b> <Frmt>	[0..1]	CodeSet		599
	<b>Message</b> <Msg>	[0..1]	Text		599
	<b>Reference</b> <Ref>	[0..1]	Text		599

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Device</b> <Dvc>	[0..1]	CodeSet		599
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		600
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		600
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			601
	<b>Amount</b> <Amt>	[1..1]	Amount		602
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	602
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		602
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		602
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		602
	<b>Cassette</b> <Csstt>	[0..*]			603
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		605
	<b>LogicalIdentification</b> <Logclld>	[1..1]	Text		605
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		605
	<b>Type</b> <Tp>	[1..1]	CodeSet		605
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		605
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		606
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			606
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		607
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	607
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		608
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		608
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		608
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		608
	<b>FlowTotals</b> <FlowTtls>	[0..*]			608
	<b>Type</b> <Tp>	[1..1]	CodeSet		609
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		609
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		610
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		610
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		610
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		610
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		610

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		610
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		610
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		610
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		611
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		611
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		611
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		611
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		611

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 20.4.3.3.2 TransactionStatus <TxSts>

*Presence:* [1..1]

*Definition:* Outcome of the financial transaction for the customer.

*Datatype:* ["ATMTransactionStatus1Code"](#) on page 1547

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 1574):

- *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 1525

#### 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 1547

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 <IncCnt>

*Presence:* [0..\*]

*Definition:* Incident occurring during the processing of the transaction.

*Datatype:* "FailureReason9Code" on page 1556

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.



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.
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.

CodeName	Name	Definition
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.

#### 20.4.3.3.7 IncidentDetail <IncDntDtl>

*Presence:* [0..\*]

*Definition:* Explanation of the incident.

*Datatype:* "Max70Text" on page 1578

#### 20.4.3.3.8 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		575
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		575
	<b>AccountName</b> <AcctNm>	[0..1]	Text		576
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	576
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			577
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	577
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		577
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		578
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			578
	<b>Identification</b> <Id>	[1..1]	Text		578
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		578
Or}	<b>Email</b> <Email>	[1..1]	Text		578
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		578
	<b>Servicer</b> <Svcr>	[0..1]			579
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	579
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		579

#### 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 1527

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 1549

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 1578

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	577
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		577
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		578
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			578
	<b>Identification</b> <Id>	[1..1]	Text		578
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		578
Or}	<b>Email</b> <Email>	[1..1]	Text		578

#### 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 1573

#### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		578

##### 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 1577

##### 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 1576

##### 20.4.3.3.9.5.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

##### 20.4.3.3.9.6 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	579
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		579

##### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 20.4.3.3.12 TotalAuthorisedAmount <TtlAuthrsdAmt>

*Presence:* [0..1]

*Definition:* Total authorised amount.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 20.4.3.3.13 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..1]

*Definition:* Total requested amount.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1424
	Currency <Ccy>	[0..1]	CodeSet	C1	1424
	Fees <Fees>	[0..*]	±		1424
	Donation <Dontn>	[0..*]	±		1424



#### **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
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		583
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			583
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	583
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		583
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		583
	<b>Name</b> <Nm>	[0..1]	Text		583
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		584
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		584
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		584
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		584
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		584
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			584
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	584
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		585
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		585
	<b>Name</b> <Nm>	[0..1]	Text		585
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		585
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			585
	<b>Amount</b> <Amt>	[1..1]	Amount		585
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			586
	<b>Rate</b> <Rate>	[1..1]	Rate		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			586
	<b>Format</b> <Frmt>	[0..1]	CodeSet		586
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		587
	<b>ReferenceRate</b> <RefRate>	[0..1]			587
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		587
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		587
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		587

#### 20.4.3.3.15.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	583
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		583
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		583
	<b>Name</b> <Nm>	[0..1]	Text		583

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

##### 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 1574

##### 20.4.3.3.15.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

#### 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 1525

#### 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 1575

#### 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 1575

#### 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 1572

#### 20.4.3.3.15.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1572

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	584
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		585
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		585
	<b>Name</b> <Nm>	[0..1]	Text		585

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

#### 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 1574

#### 20.4.3.3.15.8.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.3.15.9 OriginalAmount <OrgnlAmt>

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		585
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586

#### 20.4.3.3.15.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Commission expressed as an amount of money.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 20.4.3.3.15.10.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of commission.

*Datatype:* "Max350Text" on page 1577

#### 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
	<b>Rate</b> <Rate>	[1..1]	Rate		586
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		586

##### 20.4.3.3.15.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* "PercentageRate" on page 1575

##### 20.4.3.3.15.11.2 AdditionalInformation <AddtlInf>

*Presence:* [0..1]

*Definition:* Additional information about the type of markup.

*Datatype:* "Max350Text" on page 1577

#### 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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		586
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		587

##### 20.4.3.3.15.12.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Format of the content.

*Datatype:* "OutputFormat1Code" on page 1562

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 1576

#### 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
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		587
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		587
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		587

#### 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 1575

#### 20.4.3.3.15.13.2 PublishDate <PblshDt>

*Presence:* [1..1]

*Definition:* Date when exchange rate published.

*Datatype:* "ISODateTime" on page 1572

#### 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 1577

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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 1574):

- *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 1574):

- *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 1574):

- *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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	589
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		589
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		589
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			589
	<b>Type</b> <Tp>	[1..1]	Text		590
	<b>Amount</b> <Amt>	[1..1]	Amount		590
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	590
	<b>Label</b> <Labl>	[0..1]	Text		590

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		590
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		590
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	590
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		590

#### 20.4.3.3.20.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.3.20.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		591
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			592
	<b>Response</b> <Rspn>	[1..1]	CodeSet		592
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		592
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		596
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			596
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		597
	<b>Codification</b> <Cdfctn>	[0..1]	Text		597
	<b>Response</b> <Rspn>	[1..1]	Text		597
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		597
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		597
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		597
	<b>Action</b> <Actn>	[0..*]			597
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		598
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			598
	<b>Format</b> <Frmt>	[0..1]	CodeSet		599
	<b>Message</b> <Msg>	[0..1]	Text		599
	<b>Reference</b> <Ref>	[0..1]	Text		599
	<b>Device</b> <Dvc>	[0..1]	CodeSet		599
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		600
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		600
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			601
	<b>Amount</b> <Amt>	[1..1]	Amount		602
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	602
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		602

#### 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 1563

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.

#### 20.4.3.3.21.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Result of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		592
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		592
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		596

#### 20.4.3.3.21.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

#### 20.4.3.3.21.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.

#### 20.4.3.3.21.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		597
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		597
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		597
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		597
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		597

#### 20.4.3.3.21.3.1 ResponderIdentification <RspndrId>

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 20.4.3.3.21.3.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.3.21.3.4 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 20.4.3.3.21.4 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		598
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			598
	<b>Format</b> <Frmt>	[0..1]	CodeSet		599
	<b>Message</b> <Msg>	[0..1]	Text		599
	<b>Reference</b> <Ref>	[0..1]	Text		599
	<b>Device</b> <Dvc>	[0..1]	CodeSet		599
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		600
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		600

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		599
	<b>Message</b> <Msg>	[0..1]	Text		599
	<b>Reference</b> <Ref>	[0..1]	Text		599
	<b>Device</b> <Dvc>	[0..1]	CodeSet		599
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		600

#### 20.4.3.3.21.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 20.4.3.3.21.5.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 20.4.3.3.21.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		602
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	602
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		602

#### 20.4.3.3.21.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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 1526

#### 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 1426 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1427
	ATMBalance <ATMBal>	[0..1]	Amount		1427
	ATMCurrent <ATMCur>	[0..1]	Amount		1427
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1427
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1428

#### 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
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		605
	<b>LogicalIdentification</b> <LogcId>	[1..1]	Text		605
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		605
	<b>Type</b> <Tp>	[1..1]	CodeSet		605
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		605
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		606
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			606
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		607
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	607
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		608
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		608
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		608
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		608
	<b>FlowTotals</b> <FlowTtls>	[0..*]			608
	<b>Type</b> <Tp>	[1..1]	CodeSet		609
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		609
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		610
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		610
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		610
	<b>DepositedNumber</b> <DpstNb>	[0..1]	Quantity		610
	<b>DepositedAmount</b> <DpstAmt>	[0..1]	Amount		610
	<b>RecycledNumber</b> <RcydNb>	[0..1]	Quantity		610
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		610
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		610
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		611
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		611
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		611
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		611
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		611



#### 20.4.3.3.24.1 PhysicalIdentification <PhysId>

*Presence:* [0..1]

*Definition:* Physical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 20.4.3.3.24.2 LogicalIdentification <LogcId>

*Presence:* [1..1]

*Definition:* Logical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 20.4.3.3.24.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of cassette.

*Datatype:* "ATMCassetteType1Code" on page 1534

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 1540

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 1540

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
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		607
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	607
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		608
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		608
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		608
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		608
	<b>FlowTotals</b> <FlowTtls>	[0..*]			608
	<b>Type</b> <Tp>	[1..1]	CodeSet		609
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		609
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		610
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		610
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		610
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		610
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		610
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		610
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		610
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		610
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		611
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		611
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		611
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		611

#### 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 1525

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1539

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 1574

#### 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 1574

#### 20.4.3.3.24.7.6 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Current amount in the cassette.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		609
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		609
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		610
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		610
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		610
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		610
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		610
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		610
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		610
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		610
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		611
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		611
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		611
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		611

#### 20.4.3.3.24.7.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of counters.

*Datatype:* "ATMCounterType3Code" on page 1537

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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### 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 1574

#### 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 1574

#### 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 1574

#### 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 1525

#### 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 1534

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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		612
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		612

### 20.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503



# 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]			
	<b>Header</b> <Hdr>	[1..1]			615
	<b>MessageFunction</b> <MsgFctn>	[1..1]			616
	<b>Function</b> <Fctn>	[1..1]	CodeSet		616
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		618
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		618
	<b>ProtocolVersion</b> <PrctlVrsn>	[1..1]	Text		618
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		618
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		618
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		619
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		619
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		619
	<b>ProcessState</b> <PrclStat>	[0..1]	Text		619
	<b>Traceability</b> <Tracblt>	[0..*]			619
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		619
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		620
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		620
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		620
	<b>ProtectedATMWithdrawalCompletionAcknowledgement</b> <PrctdATMWdrwlCmpltnAck>	[0..1]	±		620
	<b>ATMWithdrawalCompletionAcknowledgement</b> <ATMWdrwlCmpltnAck>	[0..1]			620
	<b>ATM</b> <ATM>	[1..1]	±		621
	<b>Context</b> <Cntxt>	[1..1]			622
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		623
	<b>Service</b> <Svc>	[0..1]			623
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		623
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		623
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		624
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		624
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		624

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Transaction</b> <Tx>	[1..1]			624
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		625
	<b>Response</b> <Rspn>	[1..1]	CodeSet		625
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		626
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		629
	<b>Command</b> <Cmd>	[0..*]			630
	<b>Type</b> <Tp>	[1..1]	CodeSet		630
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		630
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		631
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		631
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		631
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			631
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		632
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		632

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			616
	<b>Function</b> <Fctn>	[1..1]	CodeSet		616
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		618
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		618
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		618
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		618
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		618
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		619
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		619
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		619
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		619
	<b>Traceability</b> <Tracblt>	[0..*]			619
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		619
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		620
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		620
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		620

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		616
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		618
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		618

##### 21.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 21.4.1.1.3 HostSERVICECODE <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 21.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 21.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 21.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

### 21.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 21.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		619
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		620
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		620
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		620

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 21.4.2 ProtectedATMWithdrawalCompletionAcknowledgement <PrtctdATMWdrwlCmpltnAck>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMWithdrawalCompletionAcknowledgement <PrtctdATMWdrwlCmpltnAck>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>ATM</b> <ATM>	[1..1]	±		621
	<b>Context</b> <Cntxt>	[1..1]			622
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		623
	<b>Service</b> <Svc>	[0..1]			623
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		623
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		623
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		624
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		624
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		624
	<b>Transaction</b> <Tx>	[1..1]			624
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		625
	<b>Response</b> <Rspn>	[1..1]	CodeSet		625
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		626
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		629
	<b>Command</b> <Cmd>	[0..*]			630
	<b>Type</b> <Tp>	[1..1]	CodeSet		630
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		630
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		631
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		631
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		631

#### 21.4.3.1 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		623
	<b>Service</b> <Svc>	[0..1]			623
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		623
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		623
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		624
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		624
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		624

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		623
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		623
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		624
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		624
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		624

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		625
	<b>Response</b> <Rspn>	[1..1]	CodeSet		625
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		626
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		629
	<b>Command</b> <Cmd>	[0..*]			630
	<b>Type</b> <Tp>	[1..1]	CodeSet		630
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		630
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		631
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		631
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		631

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 21.4.3.3.2 Response <Rspn>

*Presence:* [1..1]

*Definition:* Response to the advice.

*Datatype:* ["Response12Code"](#) on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy 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 1566

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.

#### 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 1526

### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		630
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		630
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		631
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		631
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		631

#### 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 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		632
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		632

#### 21.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## **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]			
	<b>Header</b> <Hdr>	[1..1]			635
	<b>MessageFunction</b> <MsgFctn>	[1..1]			635
	<b>Function</b> <Fctn>	[1..1]	CodeSet		636
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		637
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		637
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		637
	<b>ExchangeIdentification</b> <XchgId>	[0..1]	Text		637
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		637
	<b>InitiatingParty</b> <InitgPty>	[0..1]	Text		638
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		638
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		638
	<b>Traceability</b> <Tracblt>	[0..*]			638
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		638
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		639
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		639
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		639
	<b>ATMReject</b> <ATMRjct>	[1..1]			639
	<b>RejectInitiatorIdentification</b> <RjctIntrId>	[0..1]	Text		640
	<b>RejectReason</b> <RjctRsn>	[1..1]	CodeSet		640
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		641
	<b>Command</b> <Cmd>	[0..*]			641
	<b>Type</b> <Tp>	[1..1]	CodeSet		641
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		642
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		642
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		642
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		642
	<b>MessageInError</b> <MsgInErr>	[0..1]	Binary		643

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			635
	<b>Function</b> <Fctn>	[1..1]	CodeSet		636
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		637
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		637
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		637
	<b>ExchangeIdentification</b> <XchgId>	[0..1]	Text		637
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		637
	<b>InitiatingParty</b> <InitgPty>	[0..1]	Text		638
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		638
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		638
	<b>Traceability</b> <Tracblt>	[0..*]			638
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		638
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		639
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		639
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		639

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		636
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		637
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		637

### 22.3.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 1577

#### 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 1577

#### 22.3.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 22.3.1.3 ExchangeIdentification <XchgId>

*Presence:* [0..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 22.3.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 22.3.1.5 InitiatingParty <InitgPty>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		638
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		639
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		639
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		639

#### 22.3.1.8.1 RelayIdentification <RlayId>

*Presence:* [1..1]

*Definition:* Identification of a partner of a message exchange.

**RelayIdentification <RlayId>** contains the following elements (see "[GenericIdentification77](#)" on page 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 22.3.1.8.3 TraceDateTimeln <TracDtTmIn>

*Presence:* [1..1]

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

*Datatype:* "[ISODatetime](#)" on page 1572

#### 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 1572

### 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
	<b>RejectInitiatorIdentification</b> <RjctIntrld>	[0..1]	Text		640
	<b>RejectReason</b> <RjctRsn>	[1..1]	CodeSet		640
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		641
	<b>Command</b> <Cmd>	[0..*]			641
	<b>Type</b> <Tp>	[1..1]	CodeSet		641
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		642
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		642
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		642
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		642
	<b>MessageInError</b> <MsgInErr>	[0..1]	Binary		643

### 22.3.2.1 RejectInitiatorIdentification <RjctIntrld>

*Presence:* [0..1]

*Definition:* Identification of the entity sending the reject message.

*Datatype:* "Max35Text" on page 1577

### 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 1565

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 1578

### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		641
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		642
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		642
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		642
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		642

#### 22.3.2.4.1 Type <Tp>

*Presence:* [1..1]

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

*Datatype:* "ATMCommand4Code" on page 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

### 22.3.2.5 MessageInError <MsgInErr>

*Presence:* [0..1]

*Definition:* Received message that has been rejected.

*Datatype:* "Max100KBinary" on page 1526

## 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]			650
	MessageFunction <MsgFctn>	[1..1]			650
	Function <Fctn>	[1..1]	CodeSet		651
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		652
	HostServiceCode <HstSvcCd>	[0..1]	Text		652
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		652
	ExchangeIdentification <XchgId>	[1..1]	Text		653
	CreationDateTime <CreDtTm>	[1..1]	DateTime		653
	InitiatingParty <InitgPty>	[1..1]	Text		653
	RecipientParty <RcptPty>	[0..1]	Text		653
	ProcessState <PrcStat>	[0..1]	Text		653
	Traceability <Tracblt>	[0..*]			653
	RelayIdentification <RlayId>	[1..1]	±		653
	SequenceNumber <SeqNb>	[0..1]	Text		654
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		654
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		654
	ProtectedATMInquiryRequest <PrtctdATMNqryReq>	[0..1]	±		654
	ATMInquiryRequest <ATMNqryReq>	[0..1]			654
	Environment <Envt>	[1..1]			659
	Acquirer <Acqrr>	[0..1]	±		662
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		663
	HostingEntity <HstgNtty>	[0..1]	±		663
	ATM <ATM>	[1..1]			663
	Identification <Id>	[1..1]	Text		665
	AdditionalIdentification <AddtlId>	[0..1]	Text		665
	SequenceNumber <SeqNb>	[0..1]	Text		665
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	666
	Location <Lctn>	[0..1]			666
	AddressLine <AdrLine>	[0..2]	Text		666

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>StreetName</b> <StrtNm>	[0..1]	Text		667
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		667
	<b>PostCode</b> <PstCd>	[0..1]	Text		667
	<b>TownName</b> <TwnNm>	[1..1]	Text		667
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		667
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	667
	<b>GeoLocation</b> <GLctn>	[0..1]			667
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			668
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			668
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		669
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		669
	<b>Capabilities</b> <Cpblties>	[0..1]			669
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		670
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		670
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		671
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		671
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		671
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		671
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		672
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		672
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		672
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			673
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		673
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		673
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		674
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		674
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	674

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		674
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		674
	<b>Equipment</b> <Eqpmnt>	[0..1]			674
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		675
	<b>Model</b> <Mdl>	[0..1]	Text		675
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		675
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		675
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		675
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		676
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		676
	<b>ConfigurationParameter</b> <CfgrParam>	[0..*]			676
	<b>Type</b> <Tp>	[1..1]	CodeSet		676
	<b>Version</b> <Vrsn>	[1..1]	Text		677
	<b>AvailableDevice</b> <AvlblDvc>	[0..*]	CodeSet		677
	<b>Customer</b> <Cstmr>	[0..1]			678
	<b>Profile</b> <Prfl>	[0..1]			678
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		679
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		679
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		679
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	679
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	680
	<b>Authentication</b> <Authntcn>	[1..*]			680
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		680
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		681
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		681
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		681
	<b>CardholderOnLinePIN</b> <CrhldrOnLinePIN>	[0..1]	±		681
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			682
	<b>Method</b> <Mtd>	[1..1]	CodeSet		682
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		683
	<b>Result</b> <Rslt>	[0..1]	CodeSet		683

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		683
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		683
	<b>Card</b> <Card>	[0..1]			683
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		684
	<b>FallbackIndicator</b> <FlfbckInd>	[0..1]	Indicator		685
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		685
	<b>PlainCardData</b> <PlainCardData>	[0..1]			685
	<b>PAN</b> <PAN>	[0..1]	Text		686
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		686
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		686
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		686
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		686
	<b>Track1</b> <Trck1>	[0..1]	Text		687
	<b>Track2</b> <Trck2>	[0..1]	Text		687
	<b>Track3</b> <Trck3>	[0..1]	Text		687
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		687
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		687
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		687
	<b>Context</b> <Cntxt>	[1..1]			687
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		688
	<b>Service</b> <Svc>	[1..1]			688
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		688
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		688
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		688
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		689
	<b>Transaction</b> <Tx>	[1..1]			689
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		690
	<b>AccountData</b> <AcctData>	[0..1]			691
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		691
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		692
	<b>AccountName</b> <AcctNm>	[0..1]	Text		693

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			693
	<b>Name</b> <Nm>	[1..1]	Text		693
	<b>Address</b> <Adr>	[1..1]	±		693
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	694
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			694
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	695
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		695
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		695
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			695
	<b>Identification</b> <Id>	[1..1]	Text		695
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		696
Or}	<b>Email</b> <Email>	[1..1]	Text		696
	<b>Servicer</b> <Svcr>	[0..1]			696
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	696
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		696
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..1]	±		697
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	±		697
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		697
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		698
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			698
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		698
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		698

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			650
	<b>Function</b> <Fctn>	[1..1]	CodeSet		651
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		652
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		652
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		652
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		653
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		653
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		653
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		653
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		653
	<b>Traceability</b> <Tracblt>	[0..*]			653
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		653
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		654
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		654
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		654

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		651
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		652
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		652

#### 23.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.

CodeName	Name	Definition
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.

#### 23.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 23.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578



### 23.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

### 23.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 23.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		653
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		654
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		654
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		654

#### 23.4.1.8.1 RelayIdentification <RlayId>

*Presence:* [1..1]

*Definition:* Identification of a partner of a message exchange.

**RelayIdentification <RlyId>** contains the following elements (see "[GenericIdentification77](#)" on page 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 23.4.2 ProtectedATMInquiryRequest <PrtctdATMNqryReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMInquiryRequest <PrtctdATMNqryReq>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			659
	<b>Acquirer</b> <Acqrr>	[0..1]	±		662
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		663
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		663
	<b>ATM</b> <ATM>	[1..1]			663
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		665
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		665
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	666
	<b>Location</b> <Lctn>	[0..1]			666
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		666
	<b>StreetName</b> <StrtNm>	[0..1]	Text		667
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		667
	<b>PostCode</b> <PstCd>	[0..1]	Text		667
	<b>TownName</b> <TwnNm>	[1..1]	Text		667
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		667
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	667
	<b>GeoLocation</b> <GLctn>	[0..1]			667
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			668
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			668
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		669
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		669
	<b>Capabilities</b> <Cpblties>	[0..1]			669
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		670
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		670
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		671
	<b>PINLengthCapabilities</b> <PINLngthCpblties>	[0..1]	Quantity		671

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ApprovalCodeLength</b> <ApprvlCdLngth>	[0..1]	Quantity		671
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		671
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		672
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		672
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		672
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			673
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		673
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		673
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		674
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		674
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	674
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		674
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		674
	<b>Equipment</b> <Eqpmnt>	[0..1]			674
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		675
	<b>Model</b> <Mdl>	[0..1]	Text		675
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		675
	<b>ApplicationProvider</b> <AppIPrvdr>	[0..1]	Text		675
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		675
	<b>ApplicationVersion</b> <AppIVrsn>	[0..1]	Text		676
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		676
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			676
	<b>Type</b> <Tp>	[1..1]	CodeSet		676
	<b>Version</b> <Vrsn>	[1..1]	Text		677
	<b>AvailableDevice</b> <AvlblDvc>	[0..*]	CodeSet		677
	<b>Customer</b> <Cstmr>	[0..1]			678
	<b>Profile</b> <Prfl>	[0..1]			678
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		679
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		679
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		679
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	679

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	680
	<b>Authentication</b> <Authntcn>	[1..*]			680
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		680
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		681
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		681
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		681
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		681
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			682
	<b>Method</b> <Mtd>	[1..1]	CodeSet		682
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		683
	<b>Result</b> <Rslt>	[0..1]	CodeSet		683
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		683
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		683
	<b>Card</b> <Card>	[0..1]			683
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		684
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		685
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		685
	<b>PlainCardData</b> <PlainCardData>	[0..1]			685
	<b>PAN</b> <PAN>	[0..1]	Text		686
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		686
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		686
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		686
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		686
	<b>Track1</b> <Trck1>	[0..1]	Text		687
	<b>Track2</b> <Trck2>	[0..1]	Text		687
	<b>Track3</b> <Trck3>	[0..1]	Text		687
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		687
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		687
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		687
	<b>Context</b> <Cntxt>	[1..1]			687
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		688

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Service</b> <Svc>	[1..1]			688
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		688
	<b>ATMSERVICECODE</b> <ATMSvcCd>	[0..1]	Text		688
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		688
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		689
	<b>Transaction</b> <Tx>	[1..1]			689
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		690
	<b>AccountData</b> <AcctData>	[0..1]			691
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		691
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		692
	<b>AccountName</b> <AcctNm>	[0..1]	Text		693
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			693
	<b>Name</b> <Nm>	[1..1]	Text		693
	<b>Address</b> <Adr>	[1..1]	±		693
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	694
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			694
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	695
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		695
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		695
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			695
	<b>Identification</b> <Id>	[1..1]	Text		695
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		696
Or}	<b>Email</b> <Email>	[1..1]	Text		696
	<b>Servicer</b> <Svcr>	[0..1]			696
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	696
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		696
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..1]	±		697
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	±		697
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		697
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		698

### **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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		662
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		663
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		663
	<b>ATM</b> <ATM>	[1..1]			663
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		665
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		665
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	666
	<b>Location</b> <Lctn>	[0..1]			666
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		666
	<b>StreetName</b> <StrtNm>	[0..1]	Text		667
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		667
	<b>PostCode</b> <PstCd>	[0..1]	Text		667
	<b>TownName</b> <TwnNm>	[1..1]	Text		667
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		667
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	667
	<b>GeoLocation</b> <GLctn>	[0..1]			667
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			668
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			668
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		669
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		669
	<b>Capabilities</b> <Cpblties>	[0..1]			669
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		670
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		670
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		671
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		671
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		671



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		671
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		672
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		672
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		672
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			673
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		673
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		673
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		674
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		674
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	674
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		674
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		674
	<b>Equipment</b> <Eqpmnt>	[0..1]			674
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		675
	<b>Model</b> <Mdl>	[0..1]	Text		675
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		675
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		675
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		675
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		676
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		676
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			676
	<b>Type</b> <Tp>	[1..1]	CodeSet		676
	<b>Version</b> <Vrsn>	[1..1]	Text		677
	<b>AvailableDevice</b> <AvlblDvc>	[0..*]	CodeSet		677
	<b>Customer</b> <Cstmr>	[0..1]			678
	<b>Profile</b> <Prfl>	[0..1]			678
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		679
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		679
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		679
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	679
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	680

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Authentication</b> <Authntcn>	[1..*]			680
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		680
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		681
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		681
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		681
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		681
	<b>AuthenticationResult</b> <AuthntcnRsIt>	[0..*]			682
	<b>Method</b> <Mtd>	[1..1]	CodeSet		682
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		683
	<b>Result</b> <RsIt>	[0..1]	CodeSet		683
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		683
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		683
	<b>Card</b> <Card>	[0..1]			683
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		684
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		685
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		685
	<b>PlainCardData</b> <PlainCardData>	[0..1]			685
	<b>PAN</b> <PAN>	[0..1]	Text		686
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		686
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		686
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		686
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		686
	<b>Track1</b> <Trck1>	[0..1]	Text		687
	<b>Track2</b> <Trck2>	[0..1]	Text		687
	<b>Track3</b> <Trck3>	[0..1]	Text		687
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		687
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		687
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		687

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 23.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 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
	<b>Identification</b> <Id>	[1..1]	Text		665
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		665
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		665
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	666
	<b>Location</b> <Lctn>	[0..1]			666
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		666
	<b>StreetName</b> <StrtNm>	[0..1]	Text		667
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		667
	<b>PostCode</b> <PstCd>	[0..1]	Text		667
	<b>TownName</b> <TwnNm>	[1..1]	Text		667
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		667
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	667
	<b>GeoLocation</b> <GLctn>	[0..1]			667
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			668
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			668
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		669
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		669
	<b>Capabilities</b> <Cpbilities>	[0..1]			669
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		670
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		670
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		671
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		671
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		671
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		671
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		672
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		672
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		672

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			673
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		673
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		673
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		674
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		674
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	674
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		674
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		674
	<b>Equipment</b> <Eqpmnt>	[0..1]			674
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		675
	<b>Model</b> <Mdl>	[0..1]	Text		675
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		675
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		675
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		675
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		676
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		676
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			676
	<b>Type</b> <Tp>	[1..1]	CodeSet		676
	<b>Version</b> <Vrsn>	[1..1]	Text		677
	<b>AvailableDevice</b> <AvlblDvc>	[0..*]	CodeSet		677

#### 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 1577

#### 23.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 23.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		666
	<b>StreetName</b> <StrtNm>	[0..1]	Text		667
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		667
	<b>PostCode</b> <PstCd>	[0..1]	Text		667
	<b>TownName</b> <TwnNm>	[1..1]	Text		667
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		667
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	667
	<b>GeoLocation</b> <GLctn>	[0..1]			667
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			668
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			668
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		669

##### 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 1578

#### **23.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

##### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			668
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			668
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		669

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		668
	<b>Longitude</b> <Long>	[1..1]	Text		668

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		669
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		669
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		669

#### 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 1576

#### 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 1574

#### 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 1574

#### 23.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		670
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		670
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		671
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		671
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		671
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		671
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		672
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		672
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		672
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			673
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		673
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		673
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		674
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		674
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	674
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		674
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		674

#### 23.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 23.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 23.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 23.4.3.1.4.7.4 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 1574

#### 23.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 23.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 23.4.3.1.4.7.7 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 1574):

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

#### 23.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 23.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 23.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		673
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		673
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		674
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		674
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	674

##### 23.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 23.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 23.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 23.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 23.4.3.1.4.7.10.5 AvailableLanguage <AvlblLang>

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C5 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 23.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 23.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		675
	<b>Model</b> <Mdl>	[0..1]	Text		675
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		675
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		675
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		675
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		676
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		676
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			676
	<b>Type</b> <Tp>	[1..1]	CodeSet		676
	<b>Version</b> <Vrsn>	[1..1]	Text		677

#### 23.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 23.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 23.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 23.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 23.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 23.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		676
	<b>Version &lt;Vrsn&gt;</b>	[1..1]	Text		677

##### 23.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 23.4.3.1.4.9 AvailableDevice <AvlblDvc>

*Presence:* [0..\*]

*Definition:* List of ATM devices out of service.

*Datatype:* "ATMDevice2Code" on page 1538

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
	<b>Profile</b> <Prfl>	[0..1]			678
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		679
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		679
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		679
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	679
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	680
	<b>Authentication</b> <Authntcn>	[1..*]			680
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		680
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		681
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		681
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		681
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		681
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			682
	<b>Method</b> <Mtd>	[1..1]	CodeSet		682
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		683
	<b>Result</b> <Rslt>	[0..1]	CodeSet		683
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		683
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		683

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		679
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		679
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		679
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	679

#### 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 1537

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 1577

#### 23.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

## 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 1559

## 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
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		680
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		681
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		681
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		681
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		681

#### 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 1548

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 1574):

- *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 1527

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

#### 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		682
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		683
	<b>Result</b> <Rslt>	[0..1]	CodeSet		683
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		683
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		683

##### 23.4.3.1.5.4.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		684
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		685
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		685
	<b>PlainCardData</b> <PlainCardData>	[0..1]			685
	<b>PAN</b> <PAN>	[0..1]	Text		686
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		686
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		686
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		686
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		686
	<b>Track1</b> <Trck1>	[0..1]	Text		687
	<b>Track2</b> <Trck2>	[0..1]	Text		687
	<b>Track3</b> <Trck3>	[0..1]	Text		687
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		687
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		687
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		687

#### 23.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

*Presence:* [1..1]

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

*Datatype:* "CardDataReading1Code" on page 1550

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 1574):

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

#### 23.4.3.1.6.3 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		686
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		686
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		686
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		686
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		686
	<b>Track1</b> <Trck1>	[0..1]	Text		687
	<b>Track2</b> <Trck2>	[0..1]	Text		687
	<b>Track3</b> <Trck3>	[0..1]	Text		687
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		687

#### 23.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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 1578

#### **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 1578

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		688
	<b>Service</b> <Svc>	[1..1]			688
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		688
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		688
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		688
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		689

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		688
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		688
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		688
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		689

##### 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 1577

##### 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 1577

##### 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 1543

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		690
	<b>AccountData</b> <AcctData>	[0..1]			691
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		691
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		692
	<b>AccountName</b> <AcctNm>	[0..1]	Text		693
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			693
	<b>Name</b> <Nm>	[1..1]	Text		693
	<b>Address</b> <Adr>	[1..1]	±		693
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	694
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			694
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	695
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		695
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		695
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			695
	<b>Identification</b> <Id>	[1..1]	Text		695
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		696
Or}	<b>Email</b> <Email>	[1..1]	Text		696
	<b>Servicer</b> <Svcr>	[0..1]			696
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	696
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		696
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..1]	±		697
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	±		697
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]	±		697
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		698

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

### 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
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		691
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		692
	<b>AccountName</b> <AcctNm>	[0..1]	Text		693
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			693
	<b>Name</b> <Nm>	[1..1]	Text		693
	<b>Address</b> <Adr>	[1..1]	±		693
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	694
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			694
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	695
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		695
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		695
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			695
	<b>Identification</b> <Id>	[1..1]	Text		695
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		696
Or}	<b>Email</b> <Email>	[1..1]	Text		696
	<b>Servicer</b> <Svcr>	[0..1]			696
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	696
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		696

#### 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 1527

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 1549

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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		693
	<b>Address</b> <Adr>	[1..1]	±		693

##### 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 1578

##### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	695
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		695
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		695
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			695
	<b>Identification</b> <Id>	[1..1]	Text		695
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		696
Or}	<b>Email</b> <Email>	[1..1]	Text		696

#### 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 1573

##### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		695

##### 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 1577

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 1576

23.4.3.3.2.6.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	696
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		696

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 1572

**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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AmountToDispense <AmtToDspns>	[1..1]	Amount		1424
	Currency <Ccy>	[0..1]	CodeSet	C1	1424
	Fees <Fees>	[0..*]	±		1424
	Donation <Dontr>	[0..*]	±		1424

### 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 1526

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		698
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		698

### 23.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			708
	MessageFunction <MsgFctn>	[1..1]			708
	Function <Fctn>	[1..1]	CodeSet		709
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		710
	HostServiceCode <HstSvcCd>	[0..1]	Text		710
	ProtocolVersion <PrctolVrsn>	[1..1]	Text		710
	ExchangeIdentification <XchgId>	[1..1]	Text		711
	CreationDateTime <CreDtTm>	[1..1]	DateTime		711
	InitiatingParty <InitgPty>	[1..1]	Text		711
	RecipientParty <RcptPty>	[0..1]	Text		711
	ProcessState <PrcStat>	[0..1]	Text		711
	Traceability <Tracblt>	[0..*]			711
	RelayIdentification <RlayId>	[1..1]	±		711
	SequenceNumber <SeqNb>	[0..1]	Text		712
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		712
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		712
	ProtectedATMInquiryResponse <PrctcdATMNqryRspn>	[0..1]	±		712
	ATMInquiryResponse <ATMNqryRspn>	[0..1]			712
	Environment <Envt>	[1..1]			718
	Acquirer <Acqrr>	[0..1]	±		719
	ATMManager <ATMMgr>	[0..1]	±		720
	HostingEntity <HstgNtty>	[0..1]	±		720
	ATM <ATM>	[1..1]	±		720
	Customer <Cstmr>	[1..1]			721
	Profile <Prfl>	[0..1]			722
	ProfileReference <PrflRef>	[0..1]	Text		722
	CustomerIdentification <Cstmrlid>	[0..1]	Text		722
	AuthenticationResult <AuthntcnRslt>	[0..*]			722
	Method <Mtd>	[1..1]	CodeSet		723

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		723
	<b>Result</b> <RsIt>	[0..1]	CodeSet		724
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		724
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		724
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	724
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		725
	<b>PlainCardData</b> <PlainCardData>	[0..1]			725
	<b>PAN</b> <PAN>	[0..1]	Text		725
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		725
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		725
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		726
	<b>Track1</b> <Trck1>	[0..1]	Text		726
	<b>Track2</b> <Trck2>	[0..1]	Text		726
	<b>Track3</b> <Trck3>	[0..1]	Text		726
	<b>Context</b> <Cntxt>	[1..1]			726
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		727
	<b>Service</b> <Svc>	[1..1]			727
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		727
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		727
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		728
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		728
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		728
	<b>Transaction</b> <Tx>	[1..1]			728
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>TransactionResponse</b> <TxRspn>	[1..1]			734
	<b>Response</b> <Rspn>	[1..1]	CodeSet		734
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		734
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		738
	<b>Action</b> <Actn>	[0..*]			738
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		739
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			739

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Format</b> <Frmt>	[0..1]	CodeSet		740
	<b>Message</b> <Msg>	[0..1]	Text		740
	<b>Reference</b> <Ref>	[0..1]	Text		740
	<b>Device</b> <Dvc>	[0..1]	CodeSet		740
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		741
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		741
	<b>CustomerServiceProfile</b> <CstmrSvcPrfl>	[0..1]			742
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		743
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		744
	<b>ProfileDescription</b> <PrflDesc>	[0..1]	Text		744
	<b>AllowedServices</b> <AllwdSvcs>	[0..*]			744
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		745
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			746
	<b>Identification</b> <Id>	[1..1]	Text		746
	<b>Label</b> <Lbl>	[0..1]	Text		746
	<b>Limits</b> <Lmts>	[0..*]			747
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	747
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		747
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		747
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			747
	<b>Type</b> <Tp>	[1..1]	Text		748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	748
	<b>Label</b> <Lbl>	[0..1]	Text		748
	<b>PreferredWithdrawal</b> <PrefrdWdrwl>	[0..1]			748
	<b>Amount</b> <Amt>	[0..1]	Amount		749
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	749
	<b>ReceiptFlag</b> <RctFlg>	[0..1]	Indicator		749
	<b>BalancePrintFlag</b> <BalPrtFlg>	[0..1]	Indicator		749
	<b>MixType</b> <MixTp>	[0..1]	Text		750
	<b>Mix</b> <Mix>	[0..*]			750

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750
	<b>CurrencyConversion</b> <CcyConvs>	[0..1]			750
	<b>Result</b> <Rslt>	[1..1]	CodeSet		752
	<b>ResultReason</b> <RsltRsn>	[0..1]	Text		752
	<b>Conversion</b> <Convs>	[0..1]			752
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		754
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			754
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	754
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		754
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		754
	<b>Name</b> <Nm>	[0..1]	Text		754
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		755
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		755
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		755
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		755
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		755
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			755
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	755
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		756
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		756
	<b>Name</b> <Nm>	[0..1]	Text		756
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		756
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			756
	<b>Amount</b> <Amt>	[1..1]	Amount		756
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			757
	<b>Rate</b> <Rate>	[1..1]	Rate		757
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>DeclarationDetails</b> <DclrtDtls>	[0..1]			757
	<b>Format</b> <Frmt>	[0..1]	CodeSet		757

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		758
	<b>ReferenceRate</b> <RefRate>	[0..1]			758
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		758
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		758
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		758
	<b>AccountInformation</b> <AcctInf>	[0..*]			758
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		761
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		762
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	762
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			762
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	763
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		763
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		763
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			763
	<b>Identification</b> <Id>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or}	<b>Email</b> <Email>	[1..1]	Text		764
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		764
	<b>Servicer</b> <Svcr>	[0..1]			764
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	764
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		765
	<b>Balance</b> <Bal>	[0..*]			765
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	765
	<b>Sign</b> <Sgn>	[0..1]	Indicator		766
	<b>Date</b> <Dt>	[0..1]	Date		766
	<b>Label</b> <Lbl>	[0..1]	Text		766
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		766
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		766
	<b>AllowedService</b> <AllwdSvc>	[0..*]			767
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		767

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			768
	<b>Identification</b> <Id>	[1..1]	Text		768
	<b>Label</b> <Labl>	[0..1]	Text		768
	<b>Limits</b> <Lmts>	[0..*]			768
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	769
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		769
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		769
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			769
	<b>Type</b> <Tp>	[1..1]	Text		770
	<b>Amount</b> <Amt>	[1..1]	Amount		770
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	770
	<b>Label</b> <Labl>	[0..1]	Text		770
	<b>AccountStatementData</b> <AcctStmntData>	[0..*]	±		770
	<b>CurrencyExchange</b> <CcyXchg>	[0..1]	±		771
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		772
	<b>Command</b> <Cmd>	[0..*]			772
	<b>Type</b> <Tp>	[1..1]	CodeSet		772
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		772
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		773
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		773
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		773
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			774
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		774
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			775
	<b>Response</b> <Rspn>	[1..1]	CodeSet		775
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		775
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		779
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			779
	<b>ResponderIdentification</b> <Rspndrld>	[1..1]	Text		780
	<b>Codification</b> <Cdfctn>	[0..1]	Text		780
	<b>Response</b> <Rspn>	[1..1]	Text		780

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		780
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		780
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		780
	<b>Action</b> <Actn>	[0..*]			780
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			781
	<b>Format</b> <Frmt>	[0..1]	CodeSet		782
	<b>Message</b> <Msg>	[0..1]	Text		782
	<b>Reference</b> <Ref>	[0..1]	Text		782
	<b>Device</b> <Dvc>	[0..1]	CodeSet		782
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		783
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		783
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			784
	<b>Amount</b> <Amt>	[1..1]	Amount		785
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	785
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		785
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			785
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		785
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		786

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			708
	<b>Function</b> <Fctn>	[1..1]	CodeSet		709
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		710
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		710
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		710
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		711
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		711
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		711
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		711
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		711
	<b>Traceability</b> <Tracblt>	[0..*]			711
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		711
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		712
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		712
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		712

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		709
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		710
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		710

#### 24.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.
WITQ	ATMWithdrawalRequest	Request for a withdrawal transaction.
WITP	ATMWithdrawalResponse	Response to a withdrawal transaction request.

CodeName	Name	Definition
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.

#### 24.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 24.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

### 24.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

### 24.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 24.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		711
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		712
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		712
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		712

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

## 24.4.2 ProtectedATMInquiryResponse <PrtctdATMNqryRspn>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMInquiryResponse <PrtctdATMNqryRspn>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

## 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
	<b>Environment</b> <Envt>	[1..1]			718
	<b>Acquirer</b> <Acqrr>	[0..1]	±		719
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		720
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		720
	<b>ATM</b> <ATM>	[1..1]	±		720
	<b>Customer</b> <Cstmr>	[1..1]			721
	<b>Profile</b> <Prfl>	[0..1]			722
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		722
	<b>CustomerIdentification</b> <Cstmrlid>	[0..1]	Text		722
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			722
	<b>Method</b> <Mtd>	[1..1]	CodeSet		723
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		723
	<b>Result</b> <Rslt>	[0..1]	CodeSet		724
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		724
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		724
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	724
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		725
	<b>PlainCardData</b> <PlainCardData>	[0..1]			725
	<b>PAN</b> <PAN>	[0..1]	Text		725
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		725
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		725
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		726
	<b>Track1</b> <Trck1>	[0..1]	Text		726
	<b>Track2</b> <Trck2>	[0..1]	Text		726
	<b>Track3</b> <Trck3>	[0..1]	Text		726
	<b>Context</b> <Cntxt>	[1..1]			726
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		727
	<b>Service</b> <Svc>	[1..1]			727
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		727
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		727
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		728

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		728
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		728
	<b>Transaction</b> <Tx>	[1..1]			728
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>TransactionResponse</b> <TxRspn>	[1..1]			734
	<b>Response</b> <Rspn>	[1..1]	CodeSet		734
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		734
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		738
	<b>Action</b> <Actn>	[0..*]			738
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		739
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			739
	<b>Format</b> <Frmt>	[0..1]	CodeSet		740
	<b>Message</b> <Msg>	[0..1]	Text		740
	<b>Reference</b> <Ref>	[0..1]	Text		740
	<b>Device</b> <Dvc>	[0..1]	CodeSet		740
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		741
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		741
	<b>CustomerServiceProfile</b> <CstmrSvcPrfl>	[0..1]			742
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		743
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		744
	<b>ProfileDescription</b> <PrflDesc>	[0..1]	Text		744
	<b>AllowedServices</b> <AllwdSvcs>	[0..*]			744
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		745
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			746
	<b>Identification</b> <Id>	[1..1]	Text		746
	<b>Label</b> <Lbl>	[0..1]	Text		746
	<b>Limits</b> <Lmts>	[0..*]			747
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	747
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		747
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		747
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			747

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Type</b> <Tp>	[1..1]	Text		748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	748
	<b>Label</b> <Lbl>	[0..1]	Text		748
	<b>PreferredWithdrawal</b> <PrefrdWdrwl>	[0..1]			748
	<b>Amount</b> <Amt>	[0..1]	Amount		749
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	749
	<b>ReceiptFlag</b> <RctFlg>	[0..1]	Indicator		749
	<b>BalancePrintFlag</b> <BalPrtFlg>	[0..1]	Indicator		749
	<b>MixType</b> <MixTp>	[0..1]	Text		750
	<b>Mix</b> <Mix>	[0..*]			750
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750
	<b>CurrencyConversion</b> <CcyConvs>	[0..1]			750
	<b>Result</b> <Rslt>	[1..1]	CodeSet		752
	<b>ResultReason</b> <RsltRsn>	[0..1]	Text		752
	<b>Conversion</b> <Convs>	[0..1]			752
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		754
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			754
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	754
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		754
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		754
	<b>Name</b> <Nm>	[0..1]	Text		754
	<b>ResultingAmount</b> <RsltgtAmt>	[1..1]	Amount		755
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		755
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		755
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		755
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		755
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			755
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	755
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		756
	<b>Name</b> <Nm>	[0..1]	Text		756
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		756
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			756
	<b>Amount</b> <Amt>	[1..1]	Amount		756
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			757
	<b>Rate</b> <Rate>	[1..1]	Rate		757
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>DeclarationDetails</b> <DclrtDtls>	[0..1]			757
	<b>Format</b> <Frmt>	[0..1]	CodeSet		757
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		758
	<b>ReferenceRate</b> <RefRate>	[0..1]			758
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		758
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		758
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		758
	<b>AccountInformation</b> <AcctInf>	[0..*]			758
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		761
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		762
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	762
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			762
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	763
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		763
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		763
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			763
	<b>Identification</b> <Id>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or}	<b>Email</b> <Email>	[1..1]	Text		764
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		764
	<b>Servicer</b> <Svcr>	[0..1]			764



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	764
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		765
	<b>Balance</b> <Bal>	[0..*]			765
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	765
	<b>Sign</b> <Sgn>	[0..1]	Indicator		766
	<b>Date</b> <Dt>	[0..1]	Date		766
	<b>Label</b> <Lbl>	[0..1]	Text		766
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		766
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		766
	<b>AllowedService</b> <AllwdSvc>	[0..*]			767
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		767
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			768
	<b>Identification</b> <Id>	[1..1]	Text		768
	<b>Label</b> <Lbl>	[0..1]	Text		768
	<b>Limits</b> <Lmts>	[0..*]			768
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	769
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		769
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		769
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			769
	<b>Type</b> <Tp>	[1..1]	Text		770
	<b>Amount</b> <Amt>	[1..1]	Amount		770
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	770
	<b>Label</b> <Lbl>	[0..1]	Text		770
	<b>AccountStatementData</b> <AcctStmntData>	[0..*]	±		770
	<b>CurrencyExchange</b> <CcyXchg>	[0..1]	±		771
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		772
	<b>Command</b> <Cmd>	[0..*]			772
	<b>Type</b> <Tp>	[1..1]	CodeSet		772
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		772
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		773
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		773

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		773
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			774
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		774
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			775
	<b>Response</b> <Rspn>	[1..1]	CodeSet		775
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		775
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		779
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			779
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		780
	<b>Codification</b> <Cdfctn>	[0..1]	Text		780
	<b>Response</b> <Rspn>	[1..1]	Text		780
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		780
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		780
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		780
	<b>Action</b> <Actn>	[0..*]			780
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			781
	<b>Format</b> <Frmt>	[0..1]	CodeSet		782
	<b>Message</b> <Msg>	[0..1]	Text		782
	<b>Reference</b> <Ref>	[0..1]	Text		782
	<b>Device</b> <Dvc>	[0..1]	CodeSet		782
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		783
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		783
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			784
	<b>Amount</b> <Amt>	[1..1]	Amount		785
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	785
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		785

#### 24.4.3.1 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		719
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		720
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		720
	<b>ATM</b> <ATM>	[1..1]	±		720
	<b>Customer</b> <Cstmr>	[1..1]			721
	<b>Profile</b> <Prfl>	[0..1]			722
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		722
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		722
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			722
	<b>Method</b> <Mtd>	[1..1]	CodeSet		723
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		723
	<b>Result</b> <Rslt>	[0..1]	CodeSet		724
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		724
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		724
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	724
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		725
	<b>PlainCardData</b> <PlainCardData>	[0..1]			725
	<b>PAN</b> <PAN>	[0..1]	Text		725
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		725
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		725
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		726
	<b>Track1</b> <Trck1>	[0..1]	Text		726
	<b>Track2</b> <Trck2>	[0..1]	Text		726
	<b>Track3</b> <Trck3>	[0..1]	Text		726

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 24.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine2" on page 1458 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1459
	AdditionalIdentification <AddtlId>	[0..1]	Text		1459
	SequenceNumber <SeqNb>	[0..1]	Text		1459
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1460
	Location <Lctn>	[0..1]			1460
	AddressLine <AdrLine>	[0..2]	Text		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

#### 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
	<b>Profile &lt;Prfl&gt;</b>	[0..1]			722
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		722
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		722
	<b>AuthenticationResult &lt;AuthntcnRslt&gt;</b>	[0..*]			722
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		723
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		723
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		724
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		724
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		724
	<b>PreferredLanguage &lt;PrefrdLang&gt;</b>	[0..1]	CodeSet	C5	724

#### 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
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		722
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		722

##### 24.4.3.1.5.1.1 ProfileReference <PrflRef>

*Presence:* [0..1]

*Definition:* Reference of the customer profile.

*Datatype:* "Max35Text" on page 1577

##### 24.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		723
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		723
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		724
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		724
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		724

#### 24.4.3.1.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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 1559



## 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>PAN</b> <PAN>	[0..1]	Text		725
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		725
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		725
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		726
	<b>Track1</b> <Trck1>	[0..1]	Text		726
	<b>Track2</b> <Trck2>	[0..1]	Text		726
	<b>Track3</b> <Trck3>	[0..1]	Text		726

#### 24.4.3.1.7.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "[Min8Max28NumericText](#)" on page 1579

#### 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 1579

#### 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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		727
	<b>Service</b> <Svc>	[1..1]			727
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		727
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		727
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		728
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		728
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		728

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		727
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		727
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		728
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		728
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		728

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1543

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		733
	<b>TransactionResponse</b> <TxRspn>	[1..1]			734
	<b>Response</b> <Rspn>	[1..1]	CodeSet		734
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		734
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		738
	<b>Action</b> <Actn>	[0..*]			738
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		739
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			739
	<b>Format</b> <Frmt>	[0..1]	CodeSet		740
	<b>Message</b> <Msg>	[0..1]	Text		740
	<b>Reference</b> <Ref>	[0..1]	Text		740
	<b>Device</b> <Dvc>	[0..1]	CodeSet		740
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		741
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		741
	<b>CustomerServiceProfile</b> <CstmrSvcPrfl>	[0..1]			742
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		743
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		744
	<b>ProfileDescription</b> <PrflDesc>	[0..1]	Text		744
	<b>AllowedServices</b> <AllwdSvcs>	[0..*]			744
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		745
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			746
	<b>Identification</b> <Id>	[1..1]	Text		746
	<b>Label</b> <Lbl>	[0..1]	Text		746
	<b>Limits</b> <Lmts>	[0..*]			747
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	747
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		747
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		747
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			747
	<b>Type</b> <Tp>	[1..1]	Text		748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	748

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Label</b> <Lbl>	[0..1]	Text		748
	<b>PreferredWithdrawal</b> <PrefrdWdrwl>	[0..1]			748
	<b>Amount</b> <Amt>	[0..1]	Amount		749
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	749
	<b>ReceiptFlag</b> <RctFlg>	[0..1]	Indicator		749
	<b>BalancePrintFlag</b> <BalPrtFlg>	[0..1]	Indicator		749
	<b>MixType</b> <MixTp>	[0..1]	Text		750
	<b>Mix</b> <Mix>	[0..*]			750
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750
	<b>CurrencyConversion</b> <CcyConvs>	[0..1]			750
	<b>Result</b> <Rslt>	[1..1]	CodeSet		752
	<b>ResultReason</b> <RsltRsn>	[0..1]	Text		752
	<b>Conversion</b> <Convs>	[0..1]			752
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		754
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			754
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	754
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		754
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		754
	<b>Name</b> <Nm>	[0..1]	Text		754
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		755
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		755
	<b>InvertedExchangeRate</b> <NvrtdXchgRate>	[0..1]	Rate		755
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		755
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		755
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			755
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	755
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		756
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		756
	<b>Name</b> <Nm>	[0..1]	Text		756
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		756

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			756
	<b>Amount</b> <Amt>	[1..1]	Amount		756
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			757
	<b>Rate</b> <Rate>	[1..1]	Rate		757
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			757
	<b>Format</b> <Frmt>	[0..1]	CodeSet		757
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		758
	<b>ReferenceRate</b> <RefRate>	[0..1]			758
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		758
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		758
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		758
	<b>AccountInformation</b> <AcctInf>	[0..*]			758
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		761
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		762
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	762
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			762
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	763
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		763
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		763
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			763
	<b>Identification</b> <Id>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or}	<b>Email</b> <Email>	[1..1]	Text		764
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		764
	<b>Servicer</b> <Svcr>	[0..1]			764
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	764
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		765
	<b>Balance</b> <Bal>	[0..*]			765

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	765
	<b>Sign</b> <Sgn>	[0..1]	Indicator		766
	<b>Date</b> <Dt>	[0..1]	Date		766
	<b>Label</b> <Lbl>	[0..1]	Text		766
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		766
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		766
	<b>AllowedService</b> <AllwdSvc>	[0..*]			767
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		767
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			768
	<b>Identification</b> <Id>	[1..1]	Text		768
	<b>Label</b> <Lbl>	[0..1]	Text		768
	<b>Limits</b> <Lmts>	[0..*]			768
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	769
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		769
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		769
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			769
	<b>Type</b> <Tp>	[1..1]	Text		770
	<b>Amount</b> <Amt>	[1..1]	Amount		770
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	770
	<b>Label</b> <Lbl>	[0..1]	Text		770
	<b>AccountStatementData</b> <AcctStmntData>	[0..*]	±		770
	<b>CurrencyExchange</b> <CcyXchg>	[0..1]	±		771
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		772
	<b>Command</b> <Cmd>	[0..*]			772
	<b>Type</b> <Tp>	[1..1]	CodeSet		772
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		772
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		773
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		773
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		773
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			774
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		774



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			775
	<b>Response</b> <Rspn>	[1..1]	CodeSet		775
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		775
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		779
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			779
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		780
	<b>Codification</b> <Cdfctn>	[0..1]	Text		780
	<b>Response</b> <Rspn>	[1..1]	Text		780
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		780
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		780
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		780
	<b>Action</b> <Actn>	[0..*]			780
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			781
	<b>Format</b> <Frmt>	[0..1]	CodeSet		782
	<b>Message</b> <Msg>	[0..1]	Text		782
	<b>Reference</b> <Ref>	[0..1]	Text		782
	<b>Device</b> <Dvc>	[0..1]	CodeSet		782
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		783
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		783
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			784
	<b>Amount</b> <Amt>	[1..1]	Amount		785
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	785
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		785

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 24.4.3.3.2 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Result of the inquiry service.

**TransactionResponse <TxRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		734
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		734
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		738

##### 24.4.3.3.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

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.

##### 24.4.3.3.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.

CodeName	Name	Definition
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.
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).

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.

#### 24.4.3.3.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		739
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			739
	<b>Format</b> <Frmt>	[0..1]	CodeSet		740
	<b>Message</b> <Msg>	[0..1]	Text		740
	<b>Reference</b> <Ref>	[0..1]	Text		740
	<b>Device</b> <Dvc>	[0..1]	CodeSet		740
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		741
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		741

#### 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 1528

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.

#### 24.4.3.3.3.2 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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		740
	<b>Message</b> <Msg>	[0..1]	Text		740
	<b>Reference</b> <Ref>	[0..1]	Text		740
	<b>Device</b> <Dvc>	[0..1]	CodeSet		740
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		741

#### 24.4.3.3.3.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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 1576

#### 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 1577

#### 24.4.3.3.3.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 24.4.3.3.3.2.5 MessageContentSignature <MsgCnttSgntr>

*Presence:* [0..1]

*Definition:* Electronic signature of the message to display or print.

*Datatype:* "Max35Binary" on page 1527

#### 24.4.3.3.3.3 RequestToPerform <ReqToPrfrm>

*Presence:* [0..1]

*Definition:* Message to send before the completion of the transaction.

*Datatype:* "MessageFunction11Code" on page 1559

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.

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.

#### 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
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		743
	<b>CustomerIdentification</b> <Cstmrid>	[0..1]	Text		744
	<b>ProfileDescription</b> <PrflDesc>	[0..1]	Text		744
	<b>AllowedServices</b> <AllwdSvcs>	[0..*]			744
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		745
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			746
	<b>Identification</b> <Id>	[1..1]	Text		746
	<b>Label</b> <Lbl>	[0..1]	Text		746
	<b>Limits</b> <Lmts>	[0..*]			747
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	747
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		747
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		747
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			747
	<b>Type</b> <Tp>	[1..1]	Text		748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	748
	<b>Label</b> <Lbl>	[0..1]	Text		748
	<b>PreferredWithdrawal</b> <PrefrdWdrwl>	[0..1]			748
	<b>Amount</b> <Amt>	[0..1]	Amount		749
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	749
	<b>ReceiptFlag</b> <RctFlg>	[0..1]	Indicator		749
	<b>BalancePrintFlag</b> <BalPrtFlg>	[0..1]	Indicator		749
	<b>MixType</b> <MixTp>	[0..1]	Text		750
	<b>Mix</b> <Mix>	[0..*]			750
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750

#### 24.4.3.3.4.1 ProfileReference <PrflRef>

*Presence:* [0..1]

*Definition:* Reference of the customer profile.

*Datatype:* "Max35Text" on page 1577

#### **24.4.3.3.4.2 CustomerIdentification <CstmrId>**

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### **24.4.3.3.4.3 ProfileDescription <PrflDesc>**

*Presence:* [0..1]

*Definition:* Description of the customer's profile in plaintext.

*Datatype:* "Max70Text" on page 1578

#### **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
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		745
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			746
	<b>Identification</b> <Id>	[1..1]	Text		746
	<b>Label</b> <Labl>	[0..1]	Text		746
	<b>Limits</b> <Lmts>	[0..*]			747
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	747
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		747
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		747
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			747
	<b>Type</b> <Tp>	[1..1]	Text		748
	<b>Amount</b> <Amt>	[1..1]	Amount		748
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	748
	<b>Label</b> <Labl>	[0..1]	Text		748
	<b>PreferredWithdrawal</b> <PrefrdWdrwl>	[0..1]			748
	<b>Amount</b> <Amt>	[0..1]	Amount		749
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	749
	<b>ReceiptFlag</b> <RctFlg>	[0..1]	Indicator		749
	<b>BalancePrintFlag</b> <BalPrtFlg>	[0..1]	Indicator		749
	<b>MixType</b> <MixTp>	[0..1]	Text		750
	<b>Mix</b> <Mix>	[0..*]			750
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750

#### 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 1544

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-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.
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
	<b>Identification</b> <Id>	[1..1]	Text		746
	<b>Label</b> <Labl>	[0..1]	Text		746

##### 24.4.3.3.4.4.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 24.4.3.3.4.4.2.2 Label <Labl>

*Presence:* [0..1]

*Definition:* Label of the service variant.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	747
	<b>MaximumPossibleAmount &lt;MaxPssblAmt&gt;</b>	[0..1]	Amount		747
	<b>MinimumPossibleAmount &lt;MinPssblAmt&gt;</b>	[0..1]	Amount		747
	<b>AdditionalAmount &lt;AddtlAmt&gt;</b>	[0..*]			747
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		748
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		748
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	748
	<b>Label &lt;Lbl&gt;</b>	[0..1]	Text		748

##### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

##### 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 1525

##### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		748
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		748
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	748
	<b>Label &lt;Lbl&gt;</b>	[0..1]	Text		748

#### 24.4.3.3.4.4.3.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 24.4.3.3.4.4.3.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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
	<b>Amount</b> <Amt>	[0..1]	Amount		749
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	749
	<b>ReceiptFlag</b> <RctFlg>	[0..1]	Indicator		749
	<b>BalancePrintFlag</b> <BalPrtFlg>	[0..1]	Indicator		749
	<b>MixType</b> <MixTp>	[0..1]	Text		750
	<b>Mix</b> <Mix>	[0..*]			750
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750

#### 24.4.3.3.4.4.4.1 Amount <Amt>

*Presence:* [0..1]

*Definition:* Amount to dispense.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 24.4.3.3.4.4.4.2 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574):

- *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 1574):

- *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 1577

#### 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
	<b>Number</b> <Nb>	[1..1]	Quantity		750
	<b>UnitValue</b> <UnitVal>	[1..1]	Amount		750

##### 24.4.3.3.4.4.4.6.1 Number <Nb>

*Presence:* [1..1]

*Definition:* Number of notes or coins.

*Datatype:* ["Number"](#) on page 1574

##### 24.4.3.3.4.4.4.6.2 UnitValue <UnitVal>

*Presence:* [1..1]

*Definition:* Unit value.

*Datatype:* ["ImpliedCurrencyAndAmount"](#) on page 1525

#### 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
	<b>Result</b> <Rslt>	[1..1]	CodeSet		752
	<b>ResultReason</b> <RsltRsn>	[0..1]	Text		752
	<b>Conversion</b> <Convs>	[0..1]			752
	<b>CurrencyConversionIdentification</b> <CcyConvsId>	[0..1]	Text		754
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			754
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	754
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		754
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		754
	<b>Name</b> <Nm>	[0..1]	Text		754
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		755
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		755
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		755
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		755
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		755
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			755
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	755
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		756
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		756
	<b>Name</b> <Nm>	[0..1]	Text		756
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		756
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			756
	<b>Amount</b> <Amt>	[1..1]	Amount		756
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			757
	<b>Rate</b> <Rate>	[1..1]	Rate		757
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>DeclarationDetails</b> <DclrtDtls>	[0..1]			757
	<b>Format</b> <Frmt>	[0..1]	CodeSet		757
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		758
	<b>ReferenceRate</b> <RefRate>	[0..1]			758
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		758

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		758
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		758

#### 24.4.3.3.5.1 Result <Rslt>

*Presence:* [1..1]

*Definition:* Result of a requested currency conversion.

*Datatype:* "CurrencyConversionResponse2Code" on page 1554

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 1577

#### 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
	<b>CurrencyConversionIdentification</b> <CcyConvslId>	[0..1]	Text		754
	<b>TargetCurrency</b> <TrgtCcy>	[1..1]			754
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	754
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		754
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		754
	<b>Name</b> <Nm>	[0..1]	Text		754
	<b>ResultingAmount</b> <RsltAmt>	[1..1]	Amount		755
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		755
	<b>InvertedExchangeRate</b> <NvrtXchgRate>	[0..1]	Rate		755
	<b>QuotationDate</b> <QtnDt>	[0..1]	DateTime		755
	<b>ValidUntil</b> <VldUntil>	[0..1]	DateTime		755
	<b>SourceCurrency</b> <SrcCcy>	[1..1]			755
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	755
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		756
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		756
	<b>Name</b> <Nm>	[0..1]	Text		756
	<b>OriginalAmount</b> <OrgnlAmt>	[1..1]	Amount		756
	<b>CommissionDetails</b> <ComssnDtls>	[0..*]			756
	<b>Amount</b> <Amt>	[1..1]	Amount		756
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>MarkUpDetails</b> <MrkUpDtls>	[0..*]			757
	<b>Rate</b> <Rate>	[1..1]	Rate		757
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757
	<b>DeclarationDetails</b> <DclrtnDtls>	[0..1]			757
	<b>Format</b> <Frmt>	[0..1]	CodeSet		757
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		758
	<b>ReferenceRate</b> <RefRate>	[0..1]			758
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		758
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		758
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		758

#### 24.4.3.3.5.3.1 CurrencyConversionIdentification <CcyConvslId>

*Presence:* [0..1]

*Definition:* Identification of the currency conversion operation.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	754
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		754
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		754
	<b>Name</b> <Nm>	[0..1]	Text		754

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

##### 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 1574

##### 24.4.3.3.5.3.2.4 Name <Nm>

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

#### 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 1525

#### 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 1575

#### 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 1575

#### 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 1572

#### 24.4.3.3.5.3.7 ValidUntil <VldUntil>

*Presence:* [0..1]

*Definition:* Validity limit of the exchange rate.

*Datatype:* "ISODateTime" on page 1572

#### 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
	<b>AlphaCode</b> <AlphaCd>	[0..1]	CodeSet	C1	755
	<b>NumericCode</b> <NmrcCd>	[0..1]	Text		756
	<b>Decimal</b> <Dcml>	[0..1]	Quantity		756
	<b>Name</b> <Nm>	[0..1]	Text		756

##### 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 1529

**Constraints**

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

**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 1574

**24.4.3.3.5.3.8.4 Name <Nm>**

*Presence:* [0..1]

*Definition:* Full name of the currency.

*Datatype:* "Max35Text" on page 1577

**24.4.3.3.5.3.9 OriginalAmount <OrgnlAmt>**

*Presence:* [1..1]

*Definition:* Original amount in the source currency.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

**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
	<b>Amount</b> <Amt>	[1..1]	Amount		756
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757

**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 1525

#### 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 1577

#### 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
	<b>Rate</b> <Rate>	[1..1]	Rate		757
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		757

##### 24.4.3.3.5.3.11.1 Rate <Rate>

*Presence:* [1..1]

*Definition:* Commission expressed as a percentage.

*Datatype:* "PercentageRate" on page 1575

##### 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 1577

#### 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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		757
	<b>MessageContent</b> <MsgCntt>	[1..1]	Text		758

##### 24.4.3.3.5.3.12.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Format of the content.

*Datatype:* "OutputFormat1Code" on page 1562

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 1576

#### 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
	<b>ExchangeRate</b> <XchgRate>	[1..1]	Rate		758
	<b>PublishDate</b> <PblshDt>	[1..1]	DateTime		758
	<b>AdditionalInformation</b> <AddtlInf>	[0..1]	Text		758

##### 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 1575

##### 24.4.3.3.5.3.13.2 PublishDate <PblshDt>

*Presence:* [1..1]

*Definition:* Date when exchange rate published.

*Datatype:* "ISODateTime" on page 1572

##### 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 1577

#### 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
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		761
	<b>AccountName</b> <AcctNm>	[0..1]	Text		762
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		762
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	762
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			762
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	763
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		763
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		763
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			763
	<b>Identification</b> <Id>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or}	<b>Email</b> <Email>	[1..1]	Text		764
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		764
	<b>Servicer</b> <Svcr>	[0..1]			764
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	764
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		765
	<b>Balance</b> <Bal>	[0..*]			765
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	765
	<b>Sign</b> <Sgn>	[0..1]	Indicator		766
	<b>Date</b> <Dt>	[0..1]	Date		766
	<b>Label</b> <Labl>	[0..1]	Text		766
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		766
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		766
	<b>AllowedService</b> <AllwdSvc>	[0..*]			767
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		767
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			768
	<b>Identification</b> <Id>	[1..1]	Text		768
	<b>Label</b> <Labl>	[0..1]	Text		768
	<b>Limits</b> <Lmts>	[0..*]			768
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	769
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		769

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		769
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			769
	<b>Type</b> <Tp>	[1..1]	Text		770
	<b>Amount</b> <Amt>	[1..1]	Amount		770
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	770
	<b>Label</b> <Labl>	[0..1]	Text		770

#### 24.4.3.3.6.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1549

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 1578

#### 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 1533

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	763
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		763
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		763
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			763
	<b>Identification</b> <Id>	[1..1]	Text		764
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		764
Or}	<b>Email</b> <Email>	[1..1]	Text		764

#### 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 1573

#### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		764

#### 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 1577

#### 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 1576

#### 24.4.3.3.6.5.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 24.4.3.3.6.6 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC &lt;AnyBIC&gt;</b>	[1..1]	IdentifierSet	C2	764
Or}	<b>ProprietaryIdentification &lt;PrtryId&gt;</b>	[1..1]	±		765

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	765
	<b>Sign</b> <Sgn>	[0..1]	Indicator		766
	<b>Date</b> <Dt>	[0..1]	Date		766
	<b>Label</b> <Labl>	[0..1]	Text		766

#### 24.4.3.3.6.8.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

## 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 1574](#)):

- *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 1572](#)

### 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 1578](#)

### 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 1574](#)):

- *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 1574](#)):

- *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
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		767
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			768
	<b>Identification</b> <Id>	[1..1]	Text		768
	<b>Label</b> <Labl>	[0..1]	Text		768
	<b>Limits</b> <Lmts>	[0..*]			768
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	769
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		769
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		769
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			769
	<b>Type</b> <Tp>	[1..1]	Text		770
	<b>Amount</b> <Amt>	[1..1]	Amount		770
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	770
	<b>Label</b> <Labl>	[0..1]	Text		770

##### 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 1544

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
	<b>Identification</b> <Id>	[1..1]	Text		768
	<b>Label</b> <Labl>	[0..1]	Text		768

##### 24.4.3.3.6.11.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 24.4.3.3.6.11.2.2 Label <Labl>

*Presence:* [0..1]

*Definition:* Label of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	769
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		769
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		769
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			769
	<b>Type</b> <Tp>	[1..1]	Text		770
	<b>Amount</b> <Amt>	[1..1]	Amount		770
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	770
	<b>Label</b> <Lbl>	[0..1]	Text		770

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		770
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		770
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	770
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		770

#### 24.4.3.3.6.11.3.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 24.4.3.3.6.11.3.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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 1480 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentifier <AcctIdr>	[1..1]			1480
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1481
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1481
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1481
Or	DomesticAccount <DmstAcct>	[1..1]			1481
	Identification <Id>	[1..1]	Text		1482
Or	MSISDN <MSISDN>	[1..1]	Text		1482
Or}	Email <Email>	[1..1]	Text		1482
	AccountName <AcctNm>	[0..1]	Text		1482
	AccountStatement <AcctStmt>	[0..*]			1482
	TransactionDate <TxDt>	[0..1]	Date		1483
	ValueDate <ValDt>	[0..1]	Date		1483
	ShortText <ShrtTxt>	[0..1]	Text		1483
	CreditTransaction <CdtTx>	[0..1]	Indicator		1483
	Amount <Amt>	[1..1]	Amount		1483
	Currency <Ccy>	[0..1]	CodeSet	C1	1483
	LongText <LngTxt>	[0..1]	Text		1484

#### 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 1484 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	SourceCurrency <SrcCcy>	[1..1]	CodeSet	C1	1484
	SourceCurrencyNumeric <SrcCcyNmrc>	[1..1]	CodeSet	C1	1485
	TargetCurrency <TrgtCcy>	[1..1]	CodeSet	C1	1485
	TargetCurrencyNumeric <TrgtCcyNmrc>	[1..1]	Text		1485
	Rate <Rate>	[1..1]	Rate		1485
	CalculatedAmount <ClctdAmt>	[1..1]	Amount		1485

#### 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 1526

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		772
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		772
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		773
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		773
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		773

##### 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 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

#### 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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		774
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			775
	<b>Response</b> <Rspn>	[1..1]	CodeSet		775
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		775
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		779
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			779
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		780
	<b>Codification</b> <Cdfctn>	[0..1]	Text		780
	<b>Response</b> <Rspn>	[1..1]	Text		780
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		780
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		780
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		780
	<b>Action</b> <Actn>	[0..*]			780
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			781
	<b>Format</b> <Frmt>	[0..1]	CodeSet		782
	<b>Message</b> <Msg>	[0..1]	Text		782
	<b>Reference</b> <Ref>	[0..1]	Text		782
	<b>Device</b> <Dvc>	[0..1]	CodeSet		782
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		783
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		783
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			784
	<b>Amount</b> <Amt>	[1..1]	Amount		785
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	785
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		785

##### 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 1563

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 **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		775
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		775
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		779

#### 24.4.3.3.11.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

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.

#### 24.4.3.3.11.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

Datatype: "ResultDetail5Code" on page 1566

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.
CHDI	InvalidCardholderIdentification	Identification of the cardholder or the customer does not match.
CRDI	InvalidCardNumber	Identification of the card is invalid.

CodeName	Name	Definition
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.
ONLP	OffLineProcessAfterReferral	Transaction has been processed offline after referral.
NPRC	NotPermittedToCardholder	Transaction not permitted to the cardholder or the customer.

CodeName	Name	Definition
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.
TXND	TransactionDuplicate	Transaction identification already used for another transaction.
ORGF	UnableToFindOriginal	Transaction could not be processed as original is not found.

CodeName	Name	Definition
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>.
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvslgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

#### 24.4.3.3.11.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		780
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		780
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		780
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		780
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		780

#### 24.4.3.3.11.3.1 ResponderIdentification <RspndrId>

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 24.4.3.3.11.3.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### 24.4.3.3.11.3.4 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 24.4.3.3.11.4 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		781
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			781
	<b>Format</b> <Frmt>	[0..1]	CodeSet		782
	<b>Message</b> <Msg>	[0..1]	Text		782
	<b>Reference</b> <Ref>	[0..1]	Text		782
	<b>Device</b> <Dvc>	[0..1]	CodeSet		782
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		783
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		783

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		782
	<b>Message</b> <Msg>	[0..1]	Text		782
	<b>Reference</b> <Ref>	[0..1]	Text		782
	<b>Device</b> <Dvc>	[0..1]	CodeSet		782
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		783

#### 24.4.3.3.11.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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 1576

#### 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 1577

#### 24.4.3.3.11.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		785
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	785
	<b>FeeLabel</b> <FeeLab/>	[0..1]	Text		785

#### 24.4.3.3.11.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		785
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		786

#### 24.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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).

#### 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 1501](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			
	<b>Header</b> <Hdr>	[1..1]			793
	<b>MessageFunction</b> <MsgFctn>	[1..1]			794
	<b>Function</b> <Fctn>	[1..1]	CodeSet		794
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		796
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		796
	<b>ProtocolVersion</b> <PrctolVrsn>	[1..1]	Text		796
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		796
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		796
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		797
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		797
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		797
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		797
	<b>Traceability</b> <Tracblt>	[0..*]			797
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		797
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		798
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		798
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		798
	<b>ProtectedATMCompletionAdvice</b> <PrctcdATMCmpltnAdv>	[0..1]	±		798
	<b>ATMCompletionAdvice</b> <ATMCmpltnAdv>	[0..1]			798
	<b>Environment</b> <Envnt>	[1..1]			803
	<b>Acquirer</b> <Acqrr>	[0..1]	±		806
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		806
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		807
	<b>ATM</b> <ATM>	[1..1]			807
	<b>Identification</b> <Id>	[1..1]	Text		809
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		809
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		809
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	810
	<b>Location</b> <Lctn>	[0..1]			810



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		810
	<b>StreetName</b> <StrtNm>	[0..1]	Text		811
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		811
	<b>PostCode</b> <PstCd>	[0..1]	Text		811
	<b>TownName</b> <TwnNm>	[1..1]	Text		811
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		811
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	811
	<b>GeoLocation</b> <GLctn>	[0..1]			811
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			812
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			812
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		813
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		813
	<b>Capabilities</b> <Cpblties>	[0..1]			813
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		814
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		814
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		815
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		815
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		815
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		815
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		816
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		816
	<b>DepositedMedia</b> <DpstlMdia>	[0..*]	CodeSet		816
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			817
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		817
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		817
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		818
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		818

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	818
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		818
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		818
	<b>Equipment</b> <Eqpmnt>	[0..1]			818
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		819
	<b>Model</b> <Mdl>	[0..1]	Text		819
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		819
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		819
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		819
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		820
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		820
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			820
	<b>Type</b> <Tp>	[1..1]	CodeSet		820
	<b>Version</b> <Vrsn>	[1..1]	Text		821
	<b>Customer</b> <Cstmr>	[1..1]			821
	<b>Profile</b> <Prfl>	[0..1]			821
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		821
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		822
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		822
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	822
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	822
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			823
	<b>Method</b> <Mtd>	[1..1]	CodeSet		823
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		823
	<b>Result</b> <Rslt>	[0..1]	CodeSet		824
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		824
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		824
	<b>Card</b> <Card>	[0..1]			824
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		825
	<b>FallbackIndicator</b> <FlfbckInd>	[0..1]	Indicator		826
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		826

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PlainCardData</b> <PlainCardData>	[0..1]			826
	<b>PAN</b> <PAN>	[0..1]	Text		826
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		827
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		827
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		827
	<b>Track1</b> <Trck1>	[0..1]	Text		827
	<b>Track2</b> <Trck2>	[0..1]	Text		827
	<b>Track3</b> <Trck3>	[0..1]	Text		827
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		827
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		827
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	828
	<b>Context</b> <Cntxt>	[1..1]			828
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		828
	<b>Service</b> <Svc>	[1..1]			828
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		829
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		829
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		829
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		829
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		830
	<b>Transaction</b> <Tx>	[1..1]			830
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		832
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		832
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		832
	<b>IncidentDetail</b> <IncdntDtl>	[0..*]	Text		834
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		834
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		835
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		835
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		835
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			835
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		836
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			837

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		837
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		837
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		841
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			841
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		842
	<b>Codification</b> <Cdfctn>	[0..1]	Text		842
	<b>Response</b> <Rspn>	[1..1]	Text		842
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		842
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		842
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		842
	<b>Action</b> <Actn>	[0..*]			842
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		843
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			843
	<b>Format</b> <Frmt>	[0..1]	CodeSet		844
	<b>Message</b> <Msg>	[0..1]	Text		844
	<b>Reference</b> <Ref>	[0..1]	Text		844
	<b>Device</b> <Dvc>	[0..1]	CodeSet		844
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		845
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		845
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			846
	<b>Amount</b> <Amt>	[1..1]	Amount		847
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	847
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		847
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		847
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			847
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		847
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		848

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			794
	<b>Function</b> <Fctn>	[1..1]	CodeSet		794
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		796
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		796
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		796
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		796
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		796
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		797
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		797
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		797
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		797
	<b>Traceability</b> <Tracblt>	[0..*]			797
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		797
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		798
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		798
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		798

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		794
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		796
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		796

##### 25.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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 ATMSvcCd <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 25.4.1.1.3 HostSvcCd <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 25.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 25.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 25.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574



25.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]  
Definition: Date and time at which the message was created.  
Datatype: "ISODatetime" on page 1572

25.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]  
Definition: Unique identification of the partner that has initiated the exchange.  
Datatype: "Max35Text" on page 1577

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 1577

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 1577

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]	±		797
	SequenceNumber <SeqNb>	[0..1]	Text		798
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		798
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		798

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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 25.4.2 ProtectedATMCompletionAdvice <PrtctdATMCmpltnAdvc>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMCompletionAdvice <PrtctdATMCmpltnAdvc>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			803
	<b>Acquirer</b> <Acqrr>	[0..1]	±		806
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		806
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		807
	<b>ATM</b> <ATM>	[1..1]			807
	<b>Identification</b> <Id>	[1..1]	Text		809
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		809
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		809
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	810
	<b>Location</b> <Lctn>	[0..1]			810
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		810
	<b>StreetName</b> <StrtNm>	[0..1]	Text		811
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		811
	<b>PostCode</b> <PstCd>	[0..1]	Text		811
	<b>TownName</b> <TwnNm>	[1..1]	Text		811
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		811
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	811
	<b>GeoLocation</b> <GLctn>	[0..1]			811
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			812
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			812
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		813
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		813
	<b>Capabilities</b> <Cpblties>	[0..1]			813
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		814
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		814
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		815

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		815
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		815
	<b>MaxScriptLength</b> <MxScrptLngh>	[0..1]	Quantity		815
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		816
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		816
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		816
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			817
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		817
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		817
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		818
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		818
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	818
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		818
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		818
	<b>Equipment</b> <Eqpmnt>	[0..1]			818
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		819
	<b>Model</b> <Mdl>	[0..1]	Text		819
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		819
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		819
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		819
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		820
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		820
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			820
	<b>Type</b> <Tp>	[1..1]	CodeSet		820
	<b>Version</b> <Vrsn>	[1..1]	Text		821
	<b>Customer</b> <Cstmr>	[1..1]			821
	<b>Profile</b> <Prfl>	[0..1]			821
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		821
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		822
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		822
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	822

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	822
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			823
	<b>Method</b> <Mtd>	[1..1]	CodeSet		823
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		823
	<b>Result</b> <Rslt>	[0..1]	CodeSet		824
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		824
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		824
	<b>Card</b> <Card>	[0..1]			824
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		825
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		826
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		826
	<b>PlainCardData</b> <PlainCardData>	[0..1]			826
	<b>PAN</b> <PAN>	[0..1]	Text		826
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		827
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		827
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		827
	<b>Track1</b> <Trck1>	[0..1]	Text		827
	<b>Track2</b> <Trck2>	[0..1]	Text		827
	<b>Track3</b> <Trck3>	[0..1]	Text		827
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		827
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		827
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	828
	<b>Context</b> <Cntxt>	[1..1]			828
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		828
	<b>Service</b> <Svc>	[1..1]			828
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		829
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		829
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		829
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		829
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		830
	<b>Transaction</b> <Tx>	[1..1]			830

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		832
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		832
	<b>Incident</b> <IncDnt>	[0..*]	CodeSet		832
	<b>IncidentDetail</b> <IncDntDtl>	[0..*]	Text		834
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		834
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		835
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		835
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		835
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			835
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		836
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			837
	<b>Response</b> <Rspn>	[1..1]	CodeSet		837
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		837
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		841
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			841
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		842
	<b>Codification</b> <Cdfctn>	[0..1]	Text		842
	<b>Response</b> <Rspn>	[1..1]	Text		842
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		842
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		842
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		842
	<b>Action</b> <Actn>	[0..*]			842
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		843
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			843
	<b>Format</b> <Frmt>	[0..1]	CodeSet		844
	<b>Message</b> <Msg>	[0..1]	Text		844
	<b>Reference</b> <Ref>	[0..1]	Text		844
	<b>Device</b> <Dvc>	[0..1]	CodeSet		844
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		845
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		845
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			846

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		847
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	847
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		847
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		847

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		806
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		806
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		807
	<b>ATM</b> <ATM>	[1..1]			807
	<b>Identification</b> <Id>	[1..1]	Text		809
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		809
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		809
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	810
	<b>Location</b> <Lctn>	[0..1]			810
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		810
	<b>StreetName</b> <StrtNm>	[0..1]	Text		811
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		811
	<b>PostCode</b> <PstCd>	[0..1]	Text		811
	<b>TownName</b> <TwnNm>	[1..1]	Text		811
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		811
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	811
	<b>GeoLocation</b> <GLctn>	[0..1]			811
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			812
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			812
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		813
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		813
	<b>Capabilities</b> <Cpblties>	[0..1]			813
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		814
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		814
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		815
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		815
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		815



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		815
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		816
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		816
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		816
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			817
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		817
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		817
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		818
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		818
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	818
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		818
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		818
	<b>Equipment</b> <Eqpmnt>	[0..1]			818
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		819
	<b>Model</b> <Mdl>	[0..1]	Text		819
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		819
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		819
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		819
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		820
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		820
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			820
	<b>Type</b> <Tp>	[1..1]	CodeSet		820
	<b>Version</b> <Vrsn>	[1..1]	Text		821
	<b>Customer</b> <Cstmr>	[1..1]			821
	<b>Profile</b> <Prfl>	[0..1]			821
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		821
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		822
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		822
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	822
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	822
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			823

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		823
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		823
	<b>Result</b> <RsIt>	[0..1]	CodeSet		824
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		824
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		824
	<b>Card</b> <Card>	[0..1]			824
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		825
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		826
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		826
	<b>PlainCardData</b> <PlainCardData>	[0..1]			826
	<b>PAN</b> <PAN>	[0..1]	Text		826
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		827
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		827
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		827
	<b>Track1</b> <Trck1>	[0..1]	Text		827
	<b>Track2</b> <Trck2>	[0..1]	Text		827
	<b>Track3</b> <Trck3>	[0..1]	Text		827
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		827
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		827
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	828

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 25.4.3.1.2 ATMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

### 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
	<b>Identification</b> <Id>	[1..1]	Text		809
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		809
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		809
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	810
	<b>Location</b> <Lctn>	[0..1]			810
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		810
	<b>StreetName</b> <StrtNm>	[0..1]	Text		811
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		811
	<b>PostCode</b> <PstCd>	[0..1]	Text		811
	<b>TownName</b> <TwnNm>	[1..1]	Text		811
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		811
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	811
	<b>GeoLocation</b> <GLctn>	[0..1]			811
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			812
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			812
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		813
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		813
	<b>Capabilities</b> <Cpbilities>	[0..1]			813
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		814
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		814
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		815
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		815
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		815
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		815
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		816
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		816
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		816

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			817
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		817
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		817
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		818
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		818
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	818
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		818
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		818
	<b>Equipment</b> <Eqpmnt>	[0..1]			818
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		819
	<b>Model</b> <Mdl>	[0..1]	Text		819
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		819
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		819
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		819
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		820
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		820
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			820
	<b>Type</b> <Tp>	[1..1]	CodeSet		820
	<b>Version</b> <Vrsn>	[1..1]	Text		821

#### 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 1577

#### 25.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 25.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		810
	<b>StreetName</b> <StrtNm>	[0..1]	Text		811
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		811
	<b>PostCode</b> <PstCd>	[0..1]	Text		811
	<b>TownName</b> <TwnNm>	[1..1]	Text		811
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		811
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	811
	<b>GeoLocation</b> <GLctn>	[0..1]			811
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			812
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			812
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		813

##### 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 1578

#### **25.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

##### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			812
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			812
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		813

#### 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 <GeogcCordints>** contains the following **GeographicCoordinates1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Latitude</b> <Lat>	[1..1]	Text		812
	<b>Longitude</b> <Long>	[1..1]	Text		812

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		813
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		813
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		813

#### 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 1576

#### 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 1574

#### 25.4.3.1.4.5.8.2.3 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 1574

#### 25.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		814
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		814
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		815
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		815
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		815
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		815
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		816
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		816
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		816
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			817
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		817
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		817
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		818
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		818
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	818
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		818
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		818

#### 25.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 25.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 25.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 25.4.3.1.4.7.4 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 1574

#### 25.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 25.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 25.4.3.1.4.7.7 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 1574):

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

#### 25.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 25.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 25.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		817
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		817
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		818
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		818
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	818

##### 25.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 25.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### **25.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>**

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### **25.4.3.1.4.7.10.4 LineWidth <LineWidth>**

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### **25.4.3.1.4.7.10.5 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 1559

##### **Constraints**

- **ValidationByTable**

Must be a valid terrestrial language.

#### **25.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>**

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### **25.4.3.1.4.7.12 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 1574):

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

#### **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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		819
	<b>Model</b> <Mdl>	[0..1]	Text		819
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		819
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		819
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		819
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		820
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		820
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			820
	<b>Type</b> <Tp>	[1..1]	CodeSet		820
	<b>Version</b> <Vrsn>	[1..1]	Text		821

#### 25.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 25.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 25.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 25.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 25.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 25.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		820
	<b>Version &lt;Vrsn&gt;</b>	[1..1]	Text		821

##### 25.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			821
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		821
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		822
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		822
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	822
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	822
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			823
	<b>Method</b> <Mtd>	[1..1]	CodeSet		823
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		823
	<b>Result</b> <Rslt>	[0..1]	CodeSet		824
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		824
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		824

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		821
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		822
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		822
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	822

#### 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 1537

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 1577

#### 25.4.3.1.5.1.3 CustomerIdentification <CstmrId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

##### 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 1559

## Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

### 25.4.3.1.5.3 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		823
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		823
	<b>Result</b> <RsIt>	[0..1]	CodeSet		824
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		824
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		824

#### 25.4.3.1.5.3.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		825
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		826
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		826
	<b>PlainCardData</b> <PlainCardData>	[0..1]			826
	<b>PAN</b> <PAN>	[0..1]	Text		826
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		827
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		827
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		827
	<b>Track1</b> <Trck1>	[0..1]	Text		827
	<b>Track2</b> <Trck2>	[0..1]	Text		827
	<b>Track3</b> <Trck3>	[0..1]	Text		827
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		827
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		827
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C4	828

#### 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 1550

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 1574):

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

#### 25.4.3.1.6.3 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		826
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		827
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		827
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		827
	<b>Track1</b> <Trck1>	[0..1]	Text		827
	<b>Track2</b> <Trck2>	[0..1]	Text		827
	<b>Track3</b> <Trck3>	[0..1]	Text		827

##### 25.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### **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 1579

#### **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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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 1578

#### **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 1575

#### 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 1525

##### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		828
	<b>Service</b> <Svc>	[1..1]			828
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		829
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		829
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		829
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		829
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		830

##### 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 1577

##### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		829
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		829
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		829
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		829
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		830

#### 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 1577

#### 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 1577

#### 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 1577

#### 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 1546

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		832
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		832
	<b>Incident</b> <IncDnt>	[0..*]	CodeSet		832
	<b>IncidentDetail</b> <IncDntDtl>	[0..*]	Text		834
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		834
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		835
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		835
	<b>CustomerConsent</b> <CstmrCnsnt>	[0..1]	Indicator		835
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			835
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		836
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			837
	<b>Response</b> <Rspn>	[1..1]	CodeSet		837
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		837
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		841
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			841
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		842
	<b>Codification</b> <Cdfctn>	[0..1]	Text		842
	<b>Response</b> <Rspn>	[1..1]	Text		842
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		842
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		842
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		842
	<b>Action</b> <Actn>	[0..*]			842
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		843
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			843
	<b>Format</b> <Frmt>	[0..1]	CodeSet		844
	<b>Message</b> <Msg>	[0..1]	Text		844
	<b>Reference</b> <Ref>	[0..1]	Text		844
	<b>Device</b> <Dvc>	[0..1]	CodeSet		844
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		845
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		845
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			846

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount		847
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	847
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		847
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		847

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 25.4.3.3.2 TransactionStatus <TxSts>

*Presence:* [1..1]

*Definition:* Outcome of the financial transaction for the customer.

*Datatype:* ["ATMTransactionStatus1Code"](#) on page 1547

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 1556

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.

#### 25.4.3.3.4 IncidentDetail <IncDntDtl>

*Presence:* [0..\*]

*Definition:* Explanation of the incident.

*Datatype:* "Max70Text" on page 1578

#### 25.4.3.3.5 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1574](#)):

- *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 1574](#)):

- *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 1574](#)):

- *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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		836
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			837
	<b>Response</b> <Rspn>	[1..1]	CodeSet		837
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		837
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		841
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			841
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		842
	<b>Codification</b> <Cdfctn>	[0..1]	Text		842
	<b>Response</b> <Rspn>	[1..1]	Text		842
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		842
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		842
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		842
	<b>Action</b> <Actn>	[0..*]			842
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		843
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			843
	<b>Format</b> <Frmt>	[0..1]	CodeSet		844
	<b>Message</b> <Msg>	[0..1]	Text		844
	<b>Reference</b> <Ref>	[0..1]	Text		844
	<b>Device</b> <Dvc>	[0..1]	CodeSet		844
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		845
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		845
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			846
	<b>Amount</b> <Amt>	[1..1]	Amount		847
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	847
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		847

#### 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 1563



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.

#### 25.4.3.3.9.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Result of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		837
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		837
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		841

##### 25.4.3.3.9.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

##### 25.4.3.3.9.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
OTHR	OtherError	Other error.
BALO	OutOfBalance	Out of balance.
SEGO	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.
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.

CodeName	Name	Definition
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>.
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.

#### 25.4.3.3.9.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		842
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		842
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		842
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		842
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		842

#### 25.4.3.3.9.3.1 ResponderIdentification <RspndrId>

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 25.4.3.3.9.3.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### 25.4.3.3.9.3.4 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 25.4.3.3.9.4 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		843
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			843
	<b>Format</b> <Frmt>	[0..1]	CodeSet		844
	<b>Message</b> <Msg>	[0..1]	Text		844
	<b>Reference</b> <Ref>	[0..1]	Text		844
	<b>Device</b> <Dvc>	[0..1]	CodeSet		844
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		845
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		845

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		844
	<b>Message</b> <Msg>	[0..1]	Text		844
	<b>Reference</b> <Ref>	[0..1]	Text		844
	<b>Device</b> <Dvc>	[0..1]	CodeSet		844
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		845

#### 25.4.3.3.9.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 25.4.3.3.9.5.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 25.4.3.3.9.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		847
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	847
	<b>FeeLabel</b> <FeeLab/>	[0..1]	Text		847

#### 25.4.3.3.9.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

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

*Presence:* [0..1]

*Definition:* Label of fee amount.

*Datatype:* "Max70Text" on page 1578

#### 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 1526

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		847
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		848

#### 25.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			
	<b>Header</b> <Hdr>	[1..1]			851
	<b>MessageFunction</b> <MsgFctn>	[1..1]			852
	<b>Function</b> <Fctn>	[1..1]	CodeSet		852
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		854
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		854
	<b>ProtocolVersion</b> <PrctlVrsn>	[1..1]	Text		854
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		854
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		854
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		855
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		855
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		855
	<b>ProcessState</b> <PrclStat>	[0..1]	Text		855
	<b>Traceability</b> <Tracblt>	[0..*]			855
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		855
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		856
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		856
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		856
	<b>ProtectedATMCompletionAcknowledgement</b> <PrctcdATMCmpltnAck>	[0..1]	±		856
	<b>ATMCompletionAcknowledgement</b> <ATMCmpltnAck>	[0..1]			856
	<b>ATM</b> <ATM>	[1..1]	±		857
	<b>Context</b> <Cntxt>	[1..1]			858
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		859
	<b>Service</b> <Svc>	[1..1]			859
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		859
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		859
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		860
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		860
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		860

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Transaction</b> <Tx>	[1..1]			860
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		861
	<b>Response</b> <Rspn>	[1..1]	CodeSet		861
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		862
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		865
	<b>Command</b> <Cmd>	[0..*]			866
	<b>Type</b> <Tp>	[1..1]	CodeSet		866
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		866
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		867
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		867
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		867
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			867
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		868
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		868

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			852
	<b>Function</b> <Fctn>	[1..1]	CodeSet		852
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		854
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		854
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		854
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		854
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		854
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		855
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		855
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		855
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		855
	<b>Traceability</b> <Tracblt>	[0..*]			855
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		855
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		856
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		856
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		856

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		852
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		854
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		854

##### 26.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559



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 1577

#### 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 1577

#### 26.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 26.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 26.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

### 26.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 26.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		855
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		856
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		856
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		856

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 26.4.2 ProtectedATMCompletionAcknowledgement <PrtctdATMCmpltnAck>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMCompletionAcknowledgement <PrtctdATMCmpltnAck>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>ATM</b> <ATM>	[1..1]	±		857
	<b>Context</b> <Cntxt>	[1..1]			858
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		859
	<b>Service</b> <Svc>	[1..1]			859
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		859
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		859
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		860
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		860
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		860
	<b>Transaction</b> <Tx>	[1..1]			860
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		861
	<b>Response</b> <Rspn>	[1..1]	CodeSet		861
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		862
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		865
	<b>Command</b> <Cmd>	[0..*]			866
	<b>Type</b> <Tp>	[1..1]	CodeSet		866
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		866
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		867
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		867
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		867

#### 26.4.3.1 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		859
	<b>Service</b> <Svc>	[1..1]			859
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		859
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		859
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		860
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		860
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		860

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		859
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		859
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		860
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		860
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		860

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1546

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		861
	<b>Response</b> <Rspn>	[1..1]	CodeSet		861
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		862
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		865
	<b>Command</b> <Cmd>	[0..*]			866
	<b>Type</b> <Tp>	[1..1]	CodeSet		866
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		866
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		867
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		867
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		867

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 26.4.3.3.2 Response <Rspn>

*Presence:* [1..1]

*Definition:* Response to the advice.

*Datatype:* ["Response12Code"](#) on page 1565

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 1566

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.

#### 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 1526

### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		866
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		866
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		867
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		867
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		867

#### 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 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		868
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		868

#### 26.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503



## **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]			
	<b>Header</b> <Hdr>	[1..1]			874
	<b>MessageFunction</b> <MsgFctn>	[1..1]			875
	<b>Function</b> <Fctn>	[1..1]	CodeSet		875
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		877
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		877
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		877
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		877
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		877
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		877
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		878
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		878
	<b>Traceability</b> <Tracblt>	[0..*]			878
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		878
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		878
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		879
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		879
	<b>ProtectedATMPINManagementRequest</b> <PrctcdATMPINMgmtReq>	[0..1]	±		879
	<b>ATMPINManagementRequest</b> <ATMPINMgmtReq>	[0..1]			879
	<b>Environment</b> <Envt>	[1..1]			883
	<b>Acquirer</b> <Acqrr>	[0..1]	±		886
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		887
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		887
	<b>ATM</b> <ATM>	[1..1]			887
	<b>Identification</b> <Id>	[1..1]	Text		889
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		889
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		889
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	890
	<b>Location</b> <Lctn>	[0..1]			890

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		890
	<b>StreetName</b> <StrtNm>	[0..1]	Text		891
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		891
	<b>PostCode</b> <PstCd>	[0..1]	Text		891
	<b>TownName</b> <TwnNm>	[1..1]	Text		891
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		891
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	891
	<b>GeoLocation</b> <GLctn>	[0..1]			891
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			892
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			892
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		893
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		893
	<b>Capabilities</b> <Cpblties>	[0..1]			893
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		894
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		894
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		895
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		895
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		895
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		895
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		896
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		896
	<b>DepositedMedia</b> <DpstlMdia>	[0..*]	CodeSet		896
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			897
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		897
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		897
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		898
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		898

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	898
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		898
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		898
	<b>Equipment</b> <Eqpmnt>	[0..1]			898
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		899
	<b>Model</b> <Mdl>	[0..1]	Text		899
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		899
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		899
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		899
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		900
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		900
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			900
	<b>Type</b> <Tp>	[1..1]	CodeSet		900
	<b>Version</b> <Vrsn>	[1..1]	Text		901
	<b>Customer</b> <Cstmr>	[1..1]			901
	<b>Profile</b> <Prfl>	[0..1]			901
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		902
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		902
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		902
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	902
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	903
	<b>Authentication</b> <Authntcn>	[1..*]			903
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		903
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		904
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		904
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		904
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		904
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			905
	<b>Method</b> <Mtd>	[1..1]	CodeSet		905
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		906
	<b>Result</b> <Rslt>	[0..1]	CodeSet		906

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		906
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		906
	<b>Card</b> <Card>	[0..1]			906
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		907
	<b>FallbackIndicator</b> <FlfbckInd>	[0..1]	Indicator		908
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		908
	<b>PlainCardData</b> <PlainCardData>	[0..1]			908
	<b>PAN</b> <PAN>	[0..1]	Text		909
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		909
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		909
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		909
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		909
	<b>Track1</b> <Trck1>	[0..1]	Text		910
	<b>Track2</b> <Trck2>	[0..1]	Text		910
	<b>Track3</b> <Trck3>	[0..1]	Text		910
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		910
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		910
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		910
	<b>Context</b> <Cntxt>	[1..1]			910
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		911
	<b>Service</b> <Svc>	[1..1]			911
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		911
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		911
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		911
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		912
	<b>Transaction</b> <Tx>	[1..1]			912
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		912
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		912
	<b>CardholderNewPIN</b> <CrhdldrNewPIN>	[0..1]	±		913
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		913
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			913

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		913
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		914

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			875
	<b>Function</b> <Fctn>	[1..1]	CodeSet		875
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		877
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		877
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		877
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		877
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		877
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		877
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		878
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		878
	<b>Traceability</b> <Tracblt>	[0..*]			878
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		878
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		878
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		879
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		879

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		875
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		877
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		877

##### 27.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 27.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 27.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 27.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 27.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 27.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		878
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		878
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		879
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		879

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 27.4.2 ProtectedATMPINManagementRequest <PrtctdATMPINMgmtReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMPINManagementRequest <PrtctdATMPINMgmtReq>** contains the following elements  
(see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			883
	<b>Acquirer</b> <Acqrr>	[0..1]	±		886
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		887
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		887
	<b>ATM</b> <ATM>	[1..1]			887
	<b>Identification</b> <Id>	[1..1]	Text		889
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		889
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		889
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	890
	<b>Location</b> <Lctn>	[0..1]			890
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		890
	<b>StreetName</b> <StrtNm>	[0..1]	Text		891
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		891
	<b>PostCode</b> <PstCd>	[0..1]	Text		891
	<b>TownName</b> <TwnNm>	[1..1]	Text		891
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		891
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	891
	<b>GeoLocation</b> <GLctn>	[0..1]			891
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			892
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			892
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		893
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		893
	<b>Capabilities</b> <Cpblties>	[0..1]			893
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		894
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		894
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		895

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		895
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		895
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		895
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		896
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		896
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		896
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			897
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		897
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		897
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		898
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		898
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	898
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		898
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		898
	<b>Equipment</b> <Eqpmnt>	[0..1]			898
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		899
	<b>Model</b> <Mdl>	[0..1]	Text		899
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		899
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		899
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		899
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		900
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		900
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			900
	<b>Type</b> <Tp>	[1..1]	CodeSet		900
	<b>Version</b> <Vrsn>	[1..1]	Text		901
	<b>Customer</b> <Cstmr>	[1..1]			901
	<b>Profile</b> <Prfl>	[0..1]			901
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		902
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		902
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		902
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	902

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	903
	<b>Authentication</b> <Authntcn>	[1..*]			903
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		903
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		904
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		904
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		904
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		904
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			905
	<b>Method</b> <Mtd>	[1..1]	CodeSet		905
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		906
	<b>Result</b> <Rslt>	[0..1]	CodeSet		906
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		906
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		906
	<b>Card</b> <Card>	[0..1]			906
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		907
	<b>FallbackIndicator</b> <FlfbckInd>	[0..1]	Indicator		908
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		908
	<b>PlainCardData</b> <PlainCardData>	[0..1]			908
	<b>PAN</b> <PAN>	[0..1]	Text		909
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		909
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		909
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		909
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		909
	<b>Track1</b> <Trck1>	[0..1]	Text		910
	<b>Track2</b> <Trck2>	[0..1]	Text		910
	<b>Track3</b> <Trck3>	[0..1]	Text		910
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		910
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		910
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		910
	<b>Context</b> <Cntxt>	[1..1]			910
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		911

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Service</b> <Svc>	[1..1]			911
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		911
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		911
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		911
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		912
	<b>Transaction</b> <Tx>	[1..1]			912
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		912
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		912
	<b>CardholderNewPIN</b> <CrhdldrNewPIN>	[0..1]	±		913
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		913

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		886
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		887
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		887
	<b>ATM</b> <ATM>	[1..1]			887
	<b>Identification</b> <Id>	[1..1]	Text		889
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		889
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		889
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	890
	<b>Location</b> <Lctn>	[0..1]			890
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		890
	<b>StreetName</b> <StrtNm>	[0..1]	Text		891
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		891
	<b>PostCode</b> <PstCd>	[0..1]	Text		891
	<b>TownName</b> <TwnNm>	[1..1]	Text		891
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		891
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	891
	<b>GeoLocation</b> <GLctn>	[0..1]			891
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			892
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			892
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		893
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		893
	<b>Capabilities</b> <Cpblties>	[0..1]			893
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		894
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		894
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		895
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		895
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		895



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		895
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		896
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		896
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		896
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			897
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		897
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		897
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		898
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		898
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	898
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		898
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		898
	<b>Equipment</b> <Eqpmnt>	[0..1]			898
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		899
	<b>Model</b> <Mdl>	[0..1]	Text		899
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		899
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		899
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		899
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		900
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		900
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			900
	<b>Type</b> <Tp>	[1..1]	CodeSet		900
	<b>Version</b> <Vrsn>	[1..1]	Text		901
	<b>Customer</b> <Cstmr>	[1..1]			901
	<b>Profile</b> <Prfl>	[0..1]			901
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		902
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		902
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		902
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	902
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	903
	<b>Authentication</b> <Authntcn>	[1..*]			903

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		903
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		904
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		904
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		904
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		904
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			905
	<b>Method</b> <Mtd>	[1..1]	CodeSet		905
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		906
	<b>Result</b> <Rslt>	[0..1]	CodeSet		906
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		906
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		906
	<b>Card</b> <Card>	[0..1]			906
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		907
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		908
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		908
	<b>PlainCardData</b> <PlainCardData>	[0..1]			908
	<b>PAN</b> <PAN>	[0..1]	Text		909
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		909
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		909
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		909
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		909
	<b>Track1</b> <Trck1>	[0..1]	Text		910
	<b>Track2</b> <Trck2>	[0..1]	Text		910
	<b>Track3</b> <Trck3>	[0..1]	Text		910
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		910
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		910
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		910

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 27.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 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
	<b>Identification</b> <Id>	[1..1]	Text		889
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		889
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		889
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	890
	<b>Location</b> <Lctn>	[0..1]			890
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		890
	<b>StreetName</b> <StrtNm>	[0..1]	Text		891
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		891
	<b>PostCode</b> <PstCd>	[0..1]	Text		891
	<b>TownName</b> <TwnNm>	[1..1]	Text		891
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		891
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	891
	<b>GeoLocation</b> <GLctn>	[0..1]			891
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			892
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			892
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		893
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		893
	<b>Capabilities</b> <Cpbilities>	[0..1]			893
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		894
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		894
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		895
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		895
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		895
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		895
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		896
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		896
	<b>DepositedMedia</b> <DpstddMdia>	[0..*]	CodeSet		896

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			897
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		897
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		897
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		898
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		898
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	898
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		898
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		898
	<b>Equipment</b> <Eqpmnt>	[0..1]			898
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		899
	<b>Model</b> <Mdl>	[0..1]	Text		899
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		899
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		899
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		899
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		900
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		900
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			900
	<b>Type</b> <Tp>	[1..1]	CodeSet		900
	<b>Version</b> <Vrsn>	[1..1]	Text		901

#### 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 1577

#### 27.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 27.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		890
	<b>StreetName</b> <StrtNm>	[0..1]	Text		891
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		891
	<b>PostCode</b> <PstCd>	[0..1]	Text		891
	<b>TownName</b> <TwnNm>	[1..1]	Text		891
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		891
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C2	891
	<b>GeoLocation</b> <GLctn>	[0..1]			891
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			892
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			892
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		893

##### 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 1578

#### **27.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

#### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			892
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			892
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		893

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		892
	<b>Longitude</b> <Long>	[1..1]	Text		892

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		893
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		893
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		893

#### 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 1576

#### 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 1574

#### 27.4.3.1.4.5.8.2.3 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 1574

#### 27.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		894
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		894
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		895
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		895
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		895
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		895
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		896
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		896
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		896
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			897
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		897
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		897
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		898
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		898
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	898
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		898
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		898

#### 27.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 27.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 27.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 27.4.3.1.4.7.4 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 1574

#### 27.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 27.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 27.4.3.1.4.7.7 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 1574):

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

#### 27.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 27.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 27.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		897
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		897
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		898
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		898
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C3	898

##### 27.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 27.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 27.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 27.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 27.4.3.1.4.7.10.5 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 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 27.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 27.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		899
	<b>Model</b> <Mdl>	[0..1]	Text		899
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		899
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		899
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		899
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		900
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		900
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			900
	<b>Type</b> <Tp>	[1..1]	CodeSet		900
	<b>Version</b> <Vrsn>	[1..1]	Text		901

#### 27.4.3.1.4.8.1 **Manufacturer <Manfctr>**

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 27.4.3.1.4.8.2 **Model <Mdl>**

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 27.4.3.1.4.8.3 **SerialNumber <SrINb>**

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 27.4.3.1.4.8.4 **ApplicationProvider <ApplPrvdr>**

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 27.4.3.1.4.8.5 **ApplicationName <ApplNm>**

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 27.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		900
	<b>Version &lt;Vrsn&gt;</b>	[1..1]	Text		901

##### 27.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			901
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		902
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		902
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		902
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	902
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C3	903
	<b>Authentication</b> <Authntcn>	[1..*]			903
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		903
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		904
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		904
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		904
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		904
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			905
	<b>Method</b> <Mtd>	[1..1]	CodeSet		905
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		906
	<b>Result</b> <Rslt>	[0..1]	CodeSet		906
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		906
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		906

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		902
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		902
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		902
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	902

#### 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 1537

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 1577

#### 27.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

## 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 1559

## 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
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		903
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		904
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		904
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		904
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		904

#### 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 1548

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 1574](#)):

- *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 1527](#)

#### 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 1522](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

#### 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		905
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		906
	<b>Result</b> <Rslt>	[0..1]	CodeSet		906
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		906
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		906

##### 27.4.3.1.5.4.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		907
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		908
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		908
	<b>PlainCardData</b> <PlainCardData>	[0..1]			908
	<b>PAN</b> <PAN>	[0..1]	Text		909
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		909
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		909
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		909
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		909
	<b>Track1</b> <Trck1>	[0..1]	Text		910
	<b>Track2</b> <Trck2>	[0..1]	Text		910
	<b>Track3</b> <Trck3>	[0..1]	Text		910
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		910
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		910
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		910

#### 27.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

*Presence:* [1..1]

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

*Datatype:* "CardDataReading1Code" on page 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		909
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		909
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		909
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		909
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		909
	<b>Track1</b> <Trck1>	[0..1]	Text		910
	<b>Track2</b> <Trck2>	[0..1]	Text		910
	<b>Track3</b> <Trck3>	[0..1]	Text		910
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		910

#### 27.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **27.4.3.1.6.4.9 CardholderName <CrhdlrNm>**

*Presence:* [0..1]

*Definition:* Name of the cardholder stored on the card.

*Datatype:* "Max45Text" on page 1578

#### **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 1578

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		911
	<b>Service</b> <Svc>	[1..1]			911
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		911
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		911
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		911
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		912

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		911
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		911
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		911
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		912

##### 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 1577

##### 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 1577

##### 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 1545

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		912
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		912
	<b>CardholderNewPIN</b> <CrhdldrNewPIN>	[0..1]	±		913
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		913

##### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

##### 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 1577

### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

### 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 1526

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		913
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		914

### 27.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			
	<b>Header</b> <Hdr>	[1..1]			919
	<b>MessageFunction</b> <MsgFctn>	[1..1]			919
	<b>Function</b> <Fctn>	[1..1]	CodeSet		920
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		921
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		921
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		921
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		921
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		921
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		922
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		922
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		922
	<b>Traceability</b> <Tracblt>	[0..*]			922
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		922
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		923
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		923
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		923
	<b>ProtectedATMPINManagementResponse</b> <PrctcdATMPINMgmtRspn>	[0..1]	±		923
	<b>ATMPINManagementResponse</b> <ATMPINMgmtRspn>	[0..1]			923
	<b>Environment</b> <Envt>	[1..1]			925
	<b>Acquirer</b> <Acqrr>	[0..1]	±		926
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		927
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		927
	<b>ATM</b> <ATM>	[1..1]	±		927
	<b>Customer</b> <Cstmr>	[1..1]			928
	<b>Profile</b> <Prfl>	[0..1]			929
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		929
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		929
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			929



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		930
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		930
	<b>Result</b> <Rslt>	[0..1]	CodeSet		931
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		931
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		931
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	931
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		932
	<b>PlainCardData</b> <PlainCardData>	[0..1]			932
	<b>PAN</b> <PAN>	[0..1]	Text		932
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		932
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		932
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		933
	<b>Track1</b> <Trck1>	[0..1]	Text		933
	<b>Track2</b> <Trck2>	[0..1]	Text		933
	<b>Track3</b> <Trck3>	[0..1]	Text		933
	<b>Context</b> <Cntxt>	[1..1]			933
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		934
	<b>Service</b> <Svc>	[1..1]			934
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		934
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		934
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		935
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		935
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		935
	<b>Transaction</b> <Tx>	[1..1]			935
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		936
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		937
	<b>CompletionRequired</b> <CmpltnReqr>	[0..1]	Indicator		937
	<b>TransactionResponse</b> <TxRspn>	[1..1]			937
	<b>Response</b> <Rspn>	[1..1]	CodeSet		937
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		938
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		942

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Action</b> <Actn>	[0..*]			942
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		942
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			943
	<b>Format</b> <Frmt>	[0..1]	CodeSet		943
	<b>Message</b> <Msg>	[0..1]	Text		943
	<b>Reference</b> <Ref>	[0..1]	Text		943
	<b>Device</b> <Dvc>	[0..1]	CodeSet		944
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		944
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		944
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		945
	<b>Command</b> <Cmd>	[0..*]			946
	<b>Type</b> <Tp>	[1..1]	CodeSet		946
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		946
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		947
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		947
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		947
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			947
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		948
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		948

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			919
	<b>Function</b> <Fctn>	[1..1]	CodeSet		920
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		921
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		921
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		921
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		921
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		921
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		922
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		922
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		922
	<b>Traceability</b> <Tracblt>	[0..*]			922
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		922
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		923
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		923
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		923

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		920
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		921
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		921

### 28.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 28.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 28.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 28.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 28.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODatetime" on page 1572

#### 28.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		922
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		923
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		923
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		923

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 28.4.2 ProtectedATMPINManagementResponse <PrtctdATMPINMgmtRspn>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMPINManagementResponse <PrtctdATMPINMgmtRspn>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			925
	<b>Acquirer</b> <Acqrr>	[0..1]	±		926
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		927
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		927
	<b>ATM</b> <ATM>	[1..1]	±		927
	<b>Customer</b> <Cstmr>	[1..1]			928
	<b>Profile</b> <Prfl>	[0..1]			929
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		929
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		929
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			929
	<b>Method</b> <Mtd>	[1..1]	CodeSet		930
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		930
	<b>Result</b> <Rslt>	[0..1]	CodeSet		931
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		931
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		931
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	931
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		932
	<b>PlainCardData</b> <PlainCardData>	[0..1]			932
	<b>PAN</b> <PAN>	[0..1]	Text		932
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		932
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		932
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		933
	<b>Track1</b> <Trck1>	[0..1]	Text		933
	<b>Track2</b> <Trck2>	[0..1]	Text		933
	<b>Track3</b> <Trck3>	[0..1]	Text		933
	<b>Context</b> <Cntxt>	[1..1]			933
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		934
	<b>Service</b> <Svc>	[1..1]			934
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		934
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		934



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		935
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		935
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		935
	<b>Transaction</b> <Tx>	[1..1]			935
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		936
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		937
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		937
	<b>TransactionResponse</b> <TxRspn>	[1..1]			937
	<b>Response</b> <Rspn>	[1..1]	CodeSet		937
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		938
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		942
	<b>Action</b> <Actn>	[0..*]			942
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		942
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			943
	<b>Format</b> <Frmt>	[0..1]	CodeSet		943
	<b>Message</b> <Msg>	[0..1]	Text		943
	<b>Reference</b> <Ref>	[0..1]	Text		943
	<b>Device</b> <Dvc>	[0..1]	CodeSet		944
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		944
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		944
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		945
	<b>Command</b> <Cmd>	[0..*]			946
	<b>Type</b> <Tp>	[1..1]	CodeSet		946
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		946
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		947
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		947
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		947

#### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		926
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		927
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		927
	<b>ATM</b> <ATM>	[1..1]	±		927
	<b>Customer</b> <Cstmr>	[1..1]			928
	<b>Profile</b> <Prfl>	[0..1]			929
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		929
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		929
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			929
	<b>Method</b> <Mtd>	[1..1]	CodeSet		930
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		930
	<b>Result</b> <Rslt>	[0..1]	CodeSet		931
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		931
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		931
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C3	931
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		932
	<b>PlainCardData</b> <PlainCardData>	[0..1]			932
	<b>PAN</b> <PAN>	[0..1]	Text		932
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		932
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		932
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		933
	<b>Track1</b> <Trck1>	[0..1]	Text		933
	<b>Track2</b> <Trck2>	[0..1]	Text		933
	<b>Track3</b> <Trck3>	[0..1]	Text		933

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 28.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine2" on page 1458 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1459
	AdditionalIdentification <AddtlId>	[0..1]	Text		1459
	SequenceNumber <SeqNb>	[0..1]	Text		1459
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1460
	Location <Lctn>	[0..1]			1460
	AddressLine <AdrLine>	[0..2]	Text		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

#### 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
	<b>Profile &lt;Prfl&gt;</b>	[0..1]			929
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		929
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		929
	<b>AuthenticationResult &lt;AuthntcnRslt&gt;</b>	[0..*]			929
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		930
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		930
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		931
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		931
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		931
	<b>PreferredLanguage &lt;PrefrdLang&gt;</b>	[0..1]	CodeSet	C3	931

#### 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
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		929
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		929

##### 28.4.3.1.5.1.1 ProfileReference <PrflRef>

*Presence:* [0..1]

*Definition:* Reference of the customer profile.

*Datatype:* "Max35Text" on page 1577

##### 28.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

##### 28.4.3.1.5.2 AuthenticationResult <AuthntcnRslt>

*Presence:* [0..\*]

*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
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		930
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		930
	<b>Result &lt;RsIt&gt;</b>	[0..1]	CodeSet		931
	<b>AdditionalResult &lt;AddtlRsIt&gt;</b>	[0..1]	Text		931
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		931

#### 28.4.3.1.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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 1559

## 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>PAN</b> <PAN>	[0..1]	Text		932
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		932
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		932
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		933
	<b>Track1</b> <Trck1>	[0..1]	Text		933
	<b>Track2</b> <Trck2>	[0..1]	Text		933
	<b>Track3</b> <Trck3>	[0..1]	Text		933

#### 28.4.3.1.7.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "[Min8Max28NumericText](#)" on page 1579

#### 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 1579

#### 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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		934
	<b>Service</b> <Svc>	[1..1]			934
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		934
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		934
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		935
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		935
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		935

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		934
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		934
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		935
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		935
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		935

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		936
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		937
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		937
	<b>TransactionResponse</b> <TxRspn>	[1..1]			937
	<b>Response</b> <Rspn>	[1..1]	CodeSet		937
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		938
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		942
	<b>Action</b> <Actn>	[0..*]			942
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		942
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			943
	<b>Format</b> <Frmt>	[0..1]	CodeSet		943
	<b>Message</b> <Msg>	[0..1]	Text		943
	<b>Reference</b> <Ref>	[0..1]	Text		943
	<b>Device</b> <Dvc>	[0..1]	CodeSet		944
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		944
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		944
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		945
	<b>Command</b> <Cmd>	[0..*]			946
	<b>Type</b> <Tp>	[1..1]	CodeSet		946
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		946
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		947
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		947
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		947

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 28.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* ["Max35Text"](#) on page 1577

#### 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 1574):

- *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 **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		937
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		938
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		942

##### 28.4.3.3.4.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* ["Response12Code"](#) on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.

CodeName	Name	Definition
PART	PartialApproved	Service has been partially provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

#### 28.4.3.3.4.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.

CodeName	Name	Definition
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	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.

CodeName	Name	Definition
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.
SEGO	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.



CodeName	Name	Definition
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>.
ADCC	AgreeDCC	Consumer must choose whether to accept DCC offer provided to authorise the transaction. See <Tx><CcyConvslgblty>.
FEEM	FeeMissing	Transaction fee is missing from the request.

#### 28.4.3.3.4.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		942
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			943
	<b>Format</b> <Frmt>	[0..1]	CodeSet		943
	<b>Message</b> <Msg>	[0..1]	Text		943
	<b>Reference</b> <Ref>	[0..1]	Text		943
	<b>Device</b> <Dvc>	[0..1]	CodeSet		944
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		944
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		944

#### 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 1528

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.

CodeName	Name	Definition
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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		943
	<b>Message</b> <Msg>	[0..1]	Text		943
	<b>Reference</b> <Ref>	[0..1]	Text		943
	<b>Device</b> <Dvc>	[0..1]	CodeSet		944
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		944

##### 28.4.3.3.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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 1576

##### 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 1577

#### 28.4.3.3.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.
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 1526

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		946
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		946
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		947
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		947
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		947

##### 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 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prctr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgrtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		948
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		948

#### 28.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503



## 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]			957
	MessageFunction <MsgFctn>	[1..1]			957
	Function <Fctn>	[1..1]	CodeSet		958
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		959
	HostServiceCode <HstSvcCd>	[0..1]	Text		959
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		959
	ExchangeIdentification <XchgId>	[1..1]	Text		960
	CreationDateTime <CreDtTm>	[1..1]	DateTime		960
	InitiatingParty <InitgPty>	[1..1]	Text		960
	RecipientParty <RcptPty>	[0..1]	Text		960
	ProcessState <PrcStat>	[0..1]	Text		960
	Traceability <Tracblt>	[0..*]			960
	RelayIdentification <RlayId>	[1..1]	±		960
	SequenceNumber <SeqNb>	[0..1]	Text		961
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		961
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		961
	ProtectedATMDepositRequest <PrtctdATMDpstReq>	[0..1]	±		961
	ATMDepositRequest <ATMDpstReq>	[0..1]			961
	Environment <Envt>	[1..1]			967
	Acquirer <Acqrr>	[0..1]	±		970
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		971
	HostingEntity <HstgNtty>	[0..1]	±		971
	ATM <ATM>	[1..1]			971
	Identification <Id>	[1..1]	Text		973
	AdditionalIdentification <AddtlId>	[0..1]	Text		973
	SequenceNumber <SeqNb>	[0..1]	Text		973
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	974
	Location <Lctn>	[0..1]			974
	AddressLine <AdrLine>	[0..2]	Text		974

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>StreetName</b> <StrtNm>	[0..1]	Text		975
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		975
	<b>PostCode</b> <PstCd>	[0..1]	Text		975
	<b>TownName</b> <TwnNm>	[1..1]	Text		975
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		975
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	975
	<b>GeoLocation</b> <GLctn>	[0..1]			975
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			976
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			976
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		977
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		977
	<b>Capabilities</b> <Cpblties>	[0..1]			977
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		978
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		978
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		979
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		979
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		979
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		979
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		980
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		980
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		980
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			981
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		981
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		981
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		982
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		982
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	982

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		982
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		982
	<b>Equipment</b> <Eqpmnt>	[0..1]			982
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		983
	<b>Model</b> <Mdl>	[0..1]	Text		983
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		983
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		983
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		983
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		984
	<b>ApprovalNumber</b> <AprvINb>	[0..1]	Text		984
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			984
	<b>Type</b> <Tp>	[1..1]	CodeSet		984
	<b>Version</b> <Vrsn>	[1..1]	Text		985
	<b>Customer</b> <Cstmr>	[1..1]			985
	<b>Profile</b> <Prfl>	[0..1]			985
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		986
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		986
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		986
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	986
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	987
	<b>Authentication</b> <Authntcn>	[1..*]			987
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		987
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		988
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		988
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		988
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		988
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			989
	<b>Method</b> <Mtd>	[1..1]	CodeSet		989
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		990
	<b>Result</b> <Rslt>	[0..1]	CodeSet		990
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		990

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		990
	<b>Card</b> <Card>	[0..1]			990
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		991
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		992
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		992
	<b>PlainCardData</b> <PlainCardData>	[0..1]			992
	<b>PAN</b> <PAN>	[0..1]	Text		993
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		993
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		993
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		993
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		993
	<b>Track1</b> <Trck1>	[0..1]	Text		994
	<b>Track2</b> <Trck2>	[0..1]	Text		994
	<b>Track3</b> <Trck3>	[0..1]	Text		994
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		994
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		994
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		994
	<b>Context</b> <Cntxt>	[1..1]			994
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		995
	<b>Service</b> <Svc>	[0..1]			995
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		995
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		995
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		996
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		996
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		996
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		996
	<b>Transaction</b> <Tx>	[1..1]			996
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		999
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		999
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		999
	<b>SubDeposit</b> <SubDpst>	[0..*]			1000

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1003
	<b>AccountData</b> <AcctData>	[0..*]			1003
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1005
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1005
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1005
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1006
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1006
	<b>Name</b> <Nm>	[1..1]	Text		1007
	<b>Address</b> <Adr>	[1..1]	±		1007
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1007
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1008
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1008
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1008
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1008
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1009
	<b>Identification</b> <Id>	[1..1]	Text		1009
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1009
Or}	<b>Email</b> <Email>	[1..1]	Text		1009
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1009
	<b>Servicer</b> <Svcr>	[0..1]			1009
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1010
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1010
	<b>Balance</b> <Bal>	[0..1]			1010
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1011
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1011
	<b>Date</b> <Dt>	[0..1]	Date		1011
	<b>Label</b> <Lbl>	[0..1]	Text		1011
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1011
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1012
	<b>Limits</b> <Lmts>	[0..1]			1012
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1013

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1013
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1013
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1013
	<b>Type</b> <Tp>	[1..1]	Text		1013
	<b>Amount</b> <Amt>	[1..1]	Amount		1013
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1014
	<b>Label</b> <Lbl>	[0..1]	Text		1014
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1014
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..*]	±		1016
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1016
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1016
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1016
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1016
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1017
	<b>Fees</b> <Fees>	[0..*]	±		1017
	<b>Donation</b> <Dontn>	[0..*]	±		1017
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1017
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1018
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1018
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1019
	<b>MediaItem</b> <MdiaItm>	[1..*]			1019
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1020
	<b>Count</b> <Cnt>	[0..1]	Quantity		1020
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1020
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1020
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1021

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1021
	<b>ScannedValue</b> <ScndVal>	[0..1]	Amount		1021
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1021
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1021
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1022
	<b>Reference</b> <Ref>	[0..1]	Text		1022
	<b>AdditionalData</b> <AddtlData>	[0..*]			1022
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022
	<b>TotalAmount</b> <TtlAmt>	[0..1]	±		1022
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1023
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		1023
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			1023
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1023
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1024

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			957
	<b>Function</b> <Fctn>	[1..1]	CodeSet		958
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		959
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		959
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		959
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		960
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		960
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		960
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		960
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		960
	<b>Traceability</b> <Tracblt>	[0..*]			960
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		960
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		961
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		961
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		961

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		958
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		959
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		959

#### 29.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 29.4.1.1.2 ATMSvcCd <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 29.4.1.1.3 HstSvcCd <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 29.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

### 29.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

### 29.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

### 29.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		960
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		961
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		961
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		961

#### 29.4.1.8.1 RelayIdentification <RlayId>

*Presence:* [1..1]

*Definition:* Identification of a partner of a message exchange.

**RelayIdentification <RlyId>** contains the following elements (see "[GenericIdentification77](#)" on page 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 29.4.2 ProtectedATMDepositRequest <PrtctdATMDpstReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDepositRequest <PrtctdATMDpstReq>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			967
	<b>Acquirer</b> <Acqrr>	[0..1]	±		970
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		971
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		971
	<b>ATM</b> <ATM>	[1..1]			971
	<b>Identification</b> <Id>	[1..1]	Text		973
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		973
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		973
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	974
	<b>Location</b> <Lctn>	[0..1]			974
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		974
	<b>StreetName</b> <StrtNm>	[0..1]	Text		975
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		975
	<b>PostCode</b> <PstCd>	[0..1]	Text		975
	<b>TownName</b> <TwnNm>	[1..1]	Text		975
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		975
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	975
	<b>GeoLocation</b> <GLctn>	[0..1]			975
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			976
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			976
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		977
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		977
	<b>Capabilities</b> <Cpblties>	[0..1]			977
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		978
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		978
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		979
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		979

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ApprovalCodeLength</b> <ApprvlCdLngth>	[0..1]	Quantity		979
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		979
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		980
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		980
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		980
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			981
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		981
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		981
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		982
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		982
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	982
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		982
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		982
	<b>Equipment</b> <Eqpmnt>	[0..1]			982
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		983
	<b>Model</b> <Mdl>	[0..1]	Text		983
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		983
	<b>ApplicationProvider</b> <AppIPrvdr>	[0..1]	Text		983
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		983
	<b>ApplicationVersion</b> <AppIVrsn>	[0..1]	Text		984
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		984
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			984
	<b>Type</b> <Tp>	[1..1]	CodeSet		984
	<b>Version</b> <Vrsn>	[1..1]	Text		985
	<b>Customer</b> <Cstmr>	[1..1]			985
	<b>Profile</b> <Prfl>	[0..1]			985
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		986
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		986
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		986
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	986
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	987

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Authentication</b> <Authntcn>	[1..*]			987
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		987
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		988
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		988
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		988
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		988
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			989
	<b>Method</b> <Mtd>	[1..1]	CodeSet		989
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		990
	<b>Result</b> <Rslt>	[0..1]	CodeSet		990
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		990
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		990
	<b>Card</b> <Card>	[0..1]			990
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		991
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		992
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		992
	<b>PlainCardData</b> <PlainCardData>	[0..1]			992
	<b>PAN</b> <PAN>	[0..1]	Text		993
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		993
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		993
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		993
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		993
	<b>Track1</b> <Trck1>	[0..1]	Text		994
	<b>Track2</b> <Trck2>	[0..1]	Text		994
	<b>Track3</b> <Trck3>	[0..1]	Text		994
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		994
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		994
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		994
	<b>Context</b> <Cntxt>	[1..1]			994
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		995
	<b>Service</b> <Svc>	[0..1]			995



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		995
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		995
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		996
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		996
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		996
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		996
	<b>Transaction</b> <Tx>	[1..1]			996
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		999
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		999
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		999
	<b>SubDeposit</b> <SubDpst>	[0..*]			1000
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1003
	<b>AccountData</b> <AcctData>	[0..*]			1003
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1005
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1005
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1005
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1006
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1006
	<b>Name</b> <Nm>	[1..1]	Text		1007
	<b>Address</b> <Adr>	[1..1]	±		1007
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1007
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1008
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1008
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1008
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1008
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1009
	<b>Identification</b> <Id>	[1..1]	Text		1009
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1009
Or}	<b>Email</b> <Email>	[1..1]	Text		1009
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1009
	<b>Servicer</b> <Svcr>	[0..1]			1009

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1010
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1010
	<b>Balance</b> <Bal>	[0..1]			1010
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1011
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1011
	<b>Date</b> <Dt>	[0..1]	Date		1011
	<b>Label</b> <Lbl>	[0..1]	Text		1011
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1011
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1012
	<b>Limits</b> <Lmts>	[0..1]			1012
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1013
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1013
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1013
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1013
	<b>Type</b> <Tp>	[1..1]	Text		1013
	<b>Amount</b> <Amt>	[1..1]	Amount		1013
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1014
	<b>Label</b> <Lbl>	[0..1]	Text		1014
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1014
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..*]	±		1016
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1016
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1016
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1016
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1016
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1017
	<b>Fees</b> <Fees>	[0..*]	±		1017

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Donation</b> <Dontrn>	[0..*]	±		1017
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1017
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1018
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1018
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1019
	<b>MediaItem</b> <MdiaItm>	[1..*]			1019
	<b>MediaIdentification</b> <MdiaId>	[0..1]	Text		1020
	<b>Count</b> <Cnt>	[0..1]	Quantity		1020
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1020
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1020
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1021
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1021
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1021
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1021
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1021
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1022
	<b>Reference</b> <Ref>	[0..1]	Text		1022
	<b>AdditionalData</b> <AddtlData>	[0..*]			1022
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022
	<b>TotalAmount</b> <TtlAmt>	[0..1]	±		1022
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1023
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1023

### 29.4.3.1 Environment <Envtr>

*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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		970
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		971
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		971
	<b>ATM</b> <ATM>	[1..1]			971
	<b>Identification</b> <Id>	[1..1]	Text		973
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		973
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		973
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	974
	<b>Location</b> <Lctn>	[0..1]			974
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		974
	<b>StreetName</b> <StrtNm>	[0..1]	Text		975
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		975
	<b>PostCode</b> <PstCd>	[0..1]	Text		975
	<b>TownName</b> <TwnNm>	[1..1]	Text		975
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		975
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	975
	<b>GeoLocation</b> <GLctn>	[0..1]			975
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			976
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			976
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		977
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		977
	<b>Capabilities</b> <Cpblties>	[0..1]			977
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		978
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		978
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		979
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		979
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		979

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		979
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		980
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		980
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		980
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			981
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		981
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		981
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		982
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		982
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	982
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		982
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		982
	<b>Equipment</b> <Eqpmnt>	[0..1]			982
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		983
	<b>Model</b> <Mdl>	[0..1]	Text		983
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		983
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		983
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		983
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		984
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		984
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			984
	<b>Type</b> <Tp>	[1..1]	CodeSet		984
	<b>Version</b> <Vrsn>	[1..1]	Text		985
	<b>Customer</b> <Cstmr>	[1..1]			985
	<b>Profile</b> <Prfl>	[0..1]			985
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		986
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		986
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		986
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	986
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	987
	<b>Authentication</b> <Authntcn>	[1..*]			987

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		987
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		988
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		988
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		988
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		988
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			989
	<b>Method</b> <Mtd>	[1..1]	CodeSet		989
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		990
	<b>Result</b> <Rslt>	[0..1]	CodeSet		990
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		990
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		990
	<b>Card</b> <Card>	[0..1]			990
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		991
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		992
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		992
	<b>PlainCardData</b> <PlainCardData>	[0..1]			992
	<b>PAN</b> <PAN>	[0..1]	Text		993
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		993
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		993
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		993
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		993
	<b>Track1</b> <Trck1>	[0..1]	Text		994
	<b>Track2</b> <Trck2>	[0..1]	Text		994
	<b>Track3</b> <Trck3>	[0..1]	Text		994
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		994
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		994
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		994

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 29.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 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
	<b>Identification</b> <Id>	[1..1]	Text		973
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		973
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		973
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	974
	<b>Location</b> <Lctn>	[0..1]			974
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		974
	<b>StreetName</b> <StrtNm>	[0..1]	Text		975
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		975
	<b>PostCode</b> <PstCd>	[0..1]	Text		975
	<b>TownName</b> <TwnNm>	[1..1]	Text		975
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		975
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	975
	<b>GeoLocation</b> <GLctn>	[0..1]			975
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			976
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			976
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		977
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		977
	<b>Capabilities</b> <Cpbilities>	[0..1]			977
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		978
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		978
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		979
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		979
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		979
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		979
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		980
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		980
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		980



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			981
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		981
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		981
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		982
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		982
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	982
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		982
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		982
	<b>Equipment</b> <Eqpmnt>	[0..1]			982
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		983
	<b>Model</b> <Mdl>	[0..1]	Text		983
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		983
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		983
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		983
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		984
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		984
	<b>ConfigurationParameter</b> <CfgrnParam>	[0..*]			984
	<b>Type</b> <Tp>	[1..1]	CodeSet		984
	<b>Version</b> <Vrsn>	[1..1]	Text		985

#### 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 1577

#### 29.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 29.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		974
	<b>StreetName</b> <StrtNm>	[0..1]	Text		975
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		975
	<b>PostCode</b> <PstCd>	[0..1]	Text		975
	<b>TownName</b> <TwnNm>	[1..1]	Text		975
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		975
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	975
	<b>GeoLocation</b> <GLctn>	[0..1]			975
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			976
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			976
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		977

##### 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 1578

#### **29.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

#### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			976
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			976
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		977

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		976
	<b>Longitude</b> <Long>	[1..1]	Text		976

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		977
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		977
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		977

#### 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 1576

#### 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 1574

#### 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 1574

#### 29.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		978
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		978
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		979
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		979
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		979
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		979
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		980
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		980
	<b>DepositedMedia</b> <DpstMdia>	[0..*]	CodeSet		980
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			981
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		981
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		981
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		982
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		982
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	982
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		982
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		982

#### 29.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 29.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 29.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 29.4.3.1.4.7.4 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 1574

#### 29.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 29.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 29.4.3.1.4.7.7 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 1574):

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

#### 29.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 29.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.



CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 29.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		981
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		981
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		982
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		982
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	982

##### 29.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 29.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 29.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 29.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 29.4.3.1.4.7.10.5 AvailableLanguage <AvlblLang>

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C5 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 29.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 29.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		983
	<b>Model</b> <Mdl>	[0..1]	Text		983
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		983
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		983
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		983
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		984
	<b>ApprovalNumber</b> <ApplNb>	[0..1]	Text		984
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			984
	<b>Type</b> <Tp>	[1..1]	CodeSet		984
	<b>Version</b> <Vrsn>	[1..1]	Text		985

#### 29.4.3.1.4.8.1 **Manufacturer <Manfctr>**

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 29.4.3.1.4.8.2 **Model <Mdl>**

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 29.4.3.1.4.8.3 **SerialNumber <SrINb>**

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 29.4.3.1.4.8.4 **ApplicationProvider <ApplPrvdr>**

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 29.4.3.1.4.8.5 **ApplicationName <ApplNm>**

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 29.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		984
	<b>Version</b> <Vrsn>	[1..1]	Text		985

##### 29.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			985
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		986
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		986
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		986
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	986
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	987
	<b>Authentication</b> <Authntcn>	[1..*]			987
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		987
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		988
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		988
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		988
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		988
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			989
	<b>Method</b> <Mtd>	[1..1]	CodeSet		989
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		990
	<b>Result</b> <Rslt>	[0..1]	CodeSet		990
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		990
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		990

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		986
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		986
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		986
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	986

#### 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 1537

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 1577

#### 29.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

#### 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 1559

#### 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
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		987
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		988
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		988
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		988
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		988

#### 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 1548

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 1574](#)):

- *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 1527](#)

#### 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 1522](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

#### 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		989
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		990
	<b>Result</b> <Rslt>	[0..1]	CodeSet		990
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		990
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		990

##### 29.4.3.1.5.4.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		991
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		992
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		992
	<b>PlainCardData</b> <PlainCardData>	[0..1]			992
	<b>PAN</b> <PAN>	[0..1]	Text		993
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		993
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		993
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		993
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		993
	<b>Track1</b> <Trck1>	[0..1]	Text		994
	<b>Track2</b> <Trck2>	[0..1]	Text		994
	<b>Track3</b> <Trck3>	[0..1]	Text		994
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		994
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		994
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		994

#### 29.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

*Presence:* [1..1]

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

*Datatype:* "CardDataReading1Code" on page 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		993
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		993
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		993
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		993
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		993
	<b>Track1</b> <Trck1>	[0..1]	Text		994
	<b>Track2</b> <Trck2>	[0..1]	Text		994
	<b>Track3</b> <Trck3>	[0..1]	Text		994
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		994

#### 29.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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 1578

#### **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 1578

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		995
	<b>Service</b> <Svc>	[0..1]			995
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		995
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		995
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		996
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		996
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		996
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		996

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		995
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		995
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		996
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		996
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		996
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		996

##### 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 1577

##### 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 1577

#### 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 1545

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 1577

#### 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 1574):

- *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 1574):

- *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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		999
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		999
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		999
	<b>SubDeposit</b> <SubDpst>	[0..*]			1000
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1003
	<b>AccountData</b> <AcctData>	[0..*]			1003
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1005
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1005
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1005
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1006
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1006
	<b>Name</b> <Nm>	[1..1]	Text		1007
	<b>Address</b> <Adr>	[1..1]	±		1007
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1007
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1008
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1008
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1008
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1008
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1009
	<b>Identification</b> <Id>	[1..1]	Text		1009
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1009
Or}	<b>Email</b> <Email>	[1..1]	Text		1009
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1009
	<b>Servicer</b> <Svcr>	[0..1]			1009
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1010
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1010
	<b>Balance</b> <Bal>	[0..1]			1010
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1011
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1011
	<b>Date</b> <Dt>	[0..1]	Date		1011
	<b>Label</b> <Labl>	[0..1]	Text		1011

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1011
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1012
	<b>Limits</b> <Lmts>	[0..1]			1012
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1013
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1013
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1013
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1013
	<b>Type</b> <Tp>	[1..1]	Text		1013
	<b>Amount</b> <Amt>	[1..1]	Amount		1013
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1014
	<b>Label</b> <Lbl>	[0..1]	Text		1014
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1014
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015
	<b>ProtectedAccountData</b> <PrctdAcctData>	[0..*]	±		1016
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1016
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1016
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1016
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1016
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1017
	<b>Fees</b> <Fees>	[0..*]	±		1017
	<b>Donation</b> <Dontn>	[0..*]	±		1017
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1017
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1018
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1018
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1019
	<b>MediaItem</b> <Mdialtm>	[1..*]			1019
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1020

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Count</b> <Cnt>	[0..1]	Quantity		1020
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1020
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1020
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1021
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1021
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1021
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1021
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1021
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1022
	<b>Reference</b> <Ref>	[0..1]	Text		1022
	<b>AdditionalData</b> <AddtlData>	[0..*]			1022
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022
	<b>TotalAmount</b> <TtlAmt>	[0..1]	±		1022
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1023
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1023

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 29.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 29.4.3.3.3 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..1]

*Definition:* Total requested amount.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### **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
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1003
	<b>AccountData</b> <AcctData>	[0..*]			1003
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1005
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1005
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1005
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1006
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1006
	<b>Name</b> <Nm>	[1..1]	Text		1007
	<b>Address</b> <Adr>	[1..1]	±		1007
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1007
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1008
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1008
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1008
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1008
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1009
	<b>Identification</b> <Id>	[1..1]	Text		1009
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1009
Or}	<b>Email</b> <Email>	[1..1]	Text		1009
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1009
	<b>Servicer</b> <Svcr>	[0..1]			1009
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1010
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1010
	<b>Balance</b> <Bal>	[0..1]			1010
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1011
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1011
	<b>Date</b> <Dt>	[0..1]	Date		1011
	<b>Label</b> <Labl>	[0..1]	Text		1011
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1011
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1012
	<b>Limits</b> <Lmts>	[0..1]			1012
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1013

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1013
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1013
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1013
	<b>Type</b> <Tp>	[1..1]	Text		1013
	<b>Amount</b> <Amt>	[1..1]	Amount		1013
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1014
	<b>Label</b> <Lbl>	[0..1]	Text		1014
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1014
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1016
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1016
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1016
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1016
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1016
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1017
	<b>Fees</b> <Fees>	[0..*]	±		1017
	<b>Donation</b> <Dontn>	[0..*]	±		1017
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1017
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1018
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1018
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1019
	<b>MediaItem</b> <Mdialtm>	[1..*]			1019
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1020
	<b>Count</b> <Cnt>	[0..1]	Quantity		1020
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1020
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1020
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1021

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1021
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1021
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1021
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1021
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1022
	<b>Reference</b> <Ref>	[0..1]	Text		1022
	<b>AdditionalData</b> <AddtlData>	[0..*]			1022
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022

#### 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 1578

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1005
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1005
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1005
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1006
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1006
	<b>Name</b> <Nm>	[1..1]	Text		1007
	<b>Address</b> <Adr>	[1..1]	±		1007
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1007
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1008
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1008
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1008
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1008
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1009
	<b>Identification</b> <Id>	[1..1]	Text		1009
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1009
Or}	<b>Email</b> <Email>	[1..1]	Text		1009
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1009
	<b>Servicer</b> <Svcr>	[0..1]			1009
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1010
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1010
	<b>Balance</b> <Bal>	[0..1]			1010
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1011
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1011
	<b>Date</b> <Dt>	[0..1]	Date		1011
	<b>Label</b> <Labl>	[0..1]	Text		1011
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1011
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1012
	<b>Limits</b> <Lmts>	[0..1]			1012
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1013
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1013
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1013



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1013
	<b>Type</b> <Tp>	[1..1]	Text		1013
	<b>Amount</b> <Amt>	[1..1]	Amount		1013
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1014
	<b>Label</b> <Lbl>	[0..1]	Text		1014
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1014
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015

#### 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 1574

#### 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 1527

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 1549

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 1578

#### 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
	<b>Name &lt;Nm&gt;</b>	[1..1]	Text		1007
	<b>Address &lt;Adr&gt;</b>	[1..1]	±		1007

#### 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 1578

#### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1008
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1008
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1008
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1009
	<b>Identification</b> <Id>	[1..1]	Text		1009
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1009
Or}	<b>Email</b> <Email>	[1..1]	Text		1009

##### 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 1573

#### 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 1573

##### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		1009

##### 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 1577

##### 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 1576

##### 29.4.3.3.4.2.7.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

##### 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 1577

##### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1010
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1010

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1011
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1011
	<b>Date</b> <Dt>	[0..1]	Date		1011
	<b>Label</b> <Labl>	[0..1]	Text		1011

#### 29.4.3.3.4.2.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 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 1574):

- *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 1574):

- *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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1013
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1013
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1013
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1013
	<b>Type</b> <Tp>	[1..1]	Text		1013
	<b>Amount</b> <Amt>	[1..1]	Amount		1013
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1014
	<b>Label</b> <Labl>	[0..1]	Text		1014
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1014
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015



#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		1013
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		1013
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	1014
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		1014

##### 29.4.3.3.4.2.13.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

##### 29.4.3.3.4.2.13.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1014
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1015
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1015
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1015
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1015

##### 29.4.3.3.4.2.13.5.1 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574

#### 29.4.3.3.4.2.13.5.4 MaximumNumber <MaxNb>

*Presence:* [0..1]

*Definition:* Maximum number of media.

*Datatype:* "Number" on page 1574

#### 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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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		1016
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1016
	Currency <Ccy>	[0..1]	CodeSet	C1	1016
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1017
	Fees <Fees>	[0..*]	±		1017
	Donation <Dontn>	[0..*]	±		1017

##### 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 1574

##### 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 1525

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1018
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1018
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1019
	<b>Medialtem</b> <MdiaItm>	[1..*]			1019
	<b>Medialdidentification</b> <MdiaId>	[0..1]	Text		1020
	<b>Count</b> <Cnt>	[0..1]	Quantity		1020
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1020
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1020
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1021
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1021
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1021
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1021
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1021
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1022
	<b>Reference</b> <Ref>	[0..1]	Text		1022
	<b>AdditionalData</b> <AddtlData>	[0..*]			1022
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022

#### 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 1574

#### 29.4.3.3.4.5.2 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of deposited media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1539

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.

**MediaItem <Mdialtm>** contains the following **ATMDepositedMediaItem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1020
	<b>Count</b> <Cnt>	[0..1]	Quantity		1020
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1020
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1020
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1021
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1021
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1021
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1021
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1021
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1022
	<b>Reference</b> <Ref>	[0..1]	Text		1022
	<b>AdditionalData</b> <AddtlData>	[0..*]			1022
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022

#### 29.4.3.3.4.5.4.1 MediaIdentification <Mdiald>

*Presence:* [0..1]

*Definition:* Within a list of MediaItems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of MediaItems.

*Datatype:* "Max70Text" on page 1578

#### 29.4.3.3.4.5.4.2 Count <Cnt>

*Presence:* [0..1]

*Definition:* Number of deposit media.

*Datatype:* "Number" on page 1574

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1551

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 1578

#### 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 1525

#### 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 1575

#### 29.4.3.3.4.5.4.9 MediaStatus <MdiaSts>

*Presence:* [0..1]

*Definition:* Status of the deposit transaction.

*Datatype:* "ATMMediaStatus1Code" on page 1539

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 1578

#### 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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		1022
	<b>Value</b> <Val>	[0..1]	Text		1022

##### 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 1578

##### 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 1576

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 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 1574):

- *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 1526

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1023
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1024

#### 29.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* ["ContentType2Code"](#) on page 1552

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 1501](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## **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]			1034
	MessageFunction <MsgFctn>	[1..1]			1034
	Function <Fctn>	[1..1]	CodeSet		1034
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1036
	HostServiceCode <HstSvcCd>	[0..1]	Text		1036
	ProtocolVersion <PrctolVrsn>	[1..1]	Text		1036
	ExchangeIdentification <XchgId>	[1..1]	Text		1036
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1036
	InitiatingParty <InitgPty>	[1..1]	Text		1037
	RecipientParty <RcptPty>	[0..1]	Text		1037
	ProcessState <PrcStat>	[0..1]	Text		1037
	Traceability <Tracblt>	[0..*]			1037
	RelayIdentification <RlayId>	[1..1]	±		1037
	SequenceNumber <SeqNb>	[0..1]	Text		1038
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1038
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1038
	ProtectedATMDepositResponse <PrctcdATMDpstRspn>	[0..1]	±		1038
	ATMDepositResponse <ATMDpstRspn>	[0..1]			1038
	Environment <Envt>	[1..1]			1045
	Acquirer <Acqrr>	[0..1]	±		1046
	ATMManager <ATMMgr>	[0..1]	±		1047
	HostingEntity <HstgNtty>	[0..1]	±		1047
	ATM <ATM>	[1..1]	±		1047
	Customer <Cstmr>	[1..1]			1048
	Profile <Prfl>	[0..1]			1049
	ProfileReference <PrflRef>	[0..1]	Text		1049
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1049
	AuthenticationResult <AuthntcnRslt>	[0..*]			1049
	Method <Mtd>	[1..1]	CodeSet		1050

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1050
	<b>Result</b> <RsIt>	[0..1]	CodeSet		1051
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		1051
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1051
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1051
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1052
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1052
	<b>PAN</b> <PAN>	[0..1]	Text		1052
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1052
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1052
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1053
	<b>Track1</b> <Trck1>	[0..1]	Text		1053
	<b>Track2</b> <Trck2>	[0..1]	Text		1053
	<b>Track3</b> <Trck3>	[0..1]	Text		1053
	<b>Context</b> <Cntxt>	[1..1]			1053
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1054
	<b>Service</b> <Svc>	[0..1]			1054
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1054
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1055
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1055
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1055
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1055
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1055
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1055
	<b>Transaction</b> <Tx>	[1..1]			1056
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1062
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1062
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		1062
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..*]	±		1063
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..*]	Amount		1063
	<b>SubDeposit</b> <SubDpst>	[0..*]			1063

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1066
	<b>AccountData</b> <AcctData>	[0..*]			1066
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1068
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1068
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1068
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1069
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1069
	<b>Name</b> <Nm>	[1..1]	Text		1070
	<b>Address</b> <Adr>	[1..1]	±		1070
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1070
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1071
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1071
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1071
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1071
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1072
	<b>Identification</b> <Id>	[1..1]	Text		1072
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1072
Or}	<b>Email</b> <Email>	[1..1]	Text		1072
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1072
	<b>Servicer</b> <Svcr>	[0..1]			1072
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1073
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1073
	<b>Balance</b> <Bal>	[0..1]			1073
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1074
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1074
	<b>Date</b> <Dt>	[0..1]	Date		1074
	<b>Label</b> <Labl>	[0..1]	Text		1074
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1074
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1075
	<b>Limits</b> <Lmts>	[0..1]			1075
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1076



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1076
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1076
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1076
	<b>Type</b> <Tp>	[1..1]	Text		1076
	<b>Amount</b> <Amt>	[1..1]	Amount		1076
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1077
	<b>Label</b> <Lbl>	[0..1]	Text		1077
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1077
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..*]	±		1079
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1079
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1079
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1079
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1079
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1080
	<b>Fees</b> <Fees>	[0..*]	±		1080
	<b>Donation</b> <Dontn>	[0..*]	±		1080
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1080
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1081
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1081
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1082
	<b>MediaItem</b> <MdiaItm>	[1..*]			1082
	<b>MediaIdentification</b> <MdiaId>	[0..1]	Text		1083
	<b>Count</b> <Cnt>	[0..1]	Quantity		1083
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1083
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1083
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1084

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1084
	<b>ScannedValue</b> <ScndVal>	[0..1]	Amount		1084
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1084
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1084
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1085
	<b>Reference</b> <Ref>	[0..1]	Text		1085
	<b>AdditionalData</b> <AddtlData>	[0..*]			1085
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		1085
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1086
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1087
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1088
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1088
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1088
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1092
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1092
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1093
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1093
	<b>Response</b> <Rspn>	[1..1]	Text		1093
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1093
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1093
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1093
	<b>Action</b> <Actn>	[0..*]			1093
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1094
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1094
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1095
	<b>Message</b> <Msg>	[0..1]	Text		1095
	<b>Reference</b> <Ref>	[0..1]	Text		1095
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1095
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1096

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1096
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1097
	<b>Amount</b> <Amt>	[1..1]	Amount		1098
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1098
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1098
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1098
	<b>Command</b> <Cmd>	[0..*]			1098
	<b>Type</b> <Tp>	[1..1]	CodeSet		1099
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1099
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1099
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1099
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1100
	<b>AccountInformation</b> <AcctInf>	[0..*]			1100
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1102
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1103
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1103
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1103
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1103
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1104
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1104
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1104
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1104
	<b>Identification</b> <Id>	[1..1]	Text		1105
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1105
Or}	<b>Email</b> <Email>	[1..1]	Text		1105
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1105
	<b>Servicer</b> <Svcr>	[0..1]			1105
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1105
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1106
	<b>Balance</b> <Bal>	[0..*]			1106
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1106

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1107
	<b>Date</b> <Dt>	[0..1]	Date		1107
	<b>Label</b> <Labl>	[0..1]	Text		1107
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1107
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1107
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1108
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1108
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1109
	<b>Identification</b> <Id>	[1..1]	Text		1109
	<b>Label</b> <Labl>	[0..1]	Text		1109
	<b>Limits</b> <Lmts>	[0..*]			1109
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1110
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1110
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1110
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1110
	<b>Type</b> <Tp>	[1..1]	Text		1111
	<b>Amount</b> <Amt>	[1..1]	Amount		1111
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1111
	<b>Label</b> <Labl>	[0..1]	Text		1111
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1111
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1112
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1112
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1113
	<b>MediaItem</b> <Mdialtm>	[1..*]			1113
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1114
	<b>Count</b> <Cnt>	[0..1]	Quantity		1114
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1114
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1114
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1115
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1115
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1115

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1115
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1115
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1116
	<b>Reference</b> <Ref>	[0..1]	Text		1116
	<b>AdditionalData</b> <AddtlData>	[0..*]			1116
	<b>Name</b> <Nm>	[1..1]	Text		1116
	<b>Value</b> <Val>	[0..1]	Text		1116
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			1116
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1117
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1117

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1034
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1034
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1036
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1036
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		1036
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1036
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1036
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1037
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1037
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		1037
	<b>Traceability</b> <Tracblt>	[0..*]			1037
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1037
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1038
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		1038
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1038

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1034
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1036
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1036

#### 30.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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	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.

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 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 30.4.1.1.3 HostSERVICECODE <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 30.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 30.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 30.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572



### 30.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1037
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1038
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		1038
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1038

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

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 1577

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 1572

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 1572

30.4.2 ProtectedATMDepositResponse  
<PrtctdATMDpstRspn>

*Presence:* [0..1]  
*Definition:* Encrypted body of the message.

**ProtectedATMDepositResponse <PrtctdATMDpstRspn>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

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
	<b>Environment</b> <Envt>	[1..1]			1045
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1046
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		1047
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1047
	<b>ATM</b> <ATM>	[1..1]	±		1047
	<b>Customer</b> <Cstmr>	[1..1]			1048
	<b>Profile</b> <Prfl>	[0..1]			1049
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1049
	<b>CustomerIdentification</b> <Cstmrlid>	[0..1]	Text		1049
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1049
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1050
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1050
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1051
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1051
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1051
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1051
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1052
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1052
	<b>PAN</b> <PAN>	[0..1]	Text		1052
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1052
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1052
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1053
	<b>Track1</b> <Trck1>	[0..1]	Text		1053
	<b>Track2</b> <Trck2>	[0..1]	Text		1053
	<b>Track3</b> <Trck3>	[0..1]	Text		1053
	<b>Context</b> <Cntxt>	[1..1]			1053
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1054
	<b>Service</b> <Svc>	[0..1]			1054
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1054
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1055
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1055

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1055
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1055
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1055
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1055
	<b>Transaction</b> <Tx>	[1..1]			1056
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		1062
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		1062
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		1062
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..*]	±		1063
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..*]	Amount		1063
	<b>SubDeposit</b> <SubDpst>	[0..*]			1063
	<b>SubDepositIdentification</b> <SubDpstld>	[0..1]	Text		1066
	<b>AccountData</b> <AcctData>	[0..*]			1066
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1068
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1068
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1068
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1069
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1069
	<b>Name</b> <Nm>	[1..1]	Text		1070
	<b>Address</b> <Adr>	[1..1]	±		1070
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1070
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			1071
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1071
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1071
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1071
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1072
	<b>Identification</b> <ld>	[1..1]	Text		1072
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1072
Or}	<b>Email</b> <Email>	[1..1]	Text		1072
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1072
	<b>Servicer</b> <Svcr>	[0..1]			1072

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1073
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1073
	<b>Balance</b> <Bal>	[0..1]			1073
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1074
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1074
	<b>Date</b> <Dt>	[0..1]	Date		1074
	<b>Label</b> <Lbl>	[0..1]	Text		1074
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1074
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1075
	<b>Limits</b> <Lmts>	[0..1]			1075
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1076
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1076
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1076
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1076
	<b>Type</b> <Tp>	[1..1]	Text		1076
	<b>Amount</b> <Amt>	[1..1]	Amount		1076
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1077
	<b>Label</b> <Lbl>	[0..1]	Text		1077
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1077
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078
	<b>ProtectedAccountData</b> <PrtctdAcctData>	[0..*]	±		1079
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1079
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1079
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1079
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1079
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1080
	<b>Fees</b> <Fees>	[0..*]	±		1080

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Donation</b> <Dontn>	[0..*]	±		1080
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1080
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1081
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1081
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1082
	<b>MediaItem</b> <MdiaItm>	[1..*]			1082
	<b>MediaIdentification</b> <MdiaId>	[0..1]	Text		1083
	<b>Count</b> <Cnt>	[0..1]	Quantity		1083
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1083
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1083
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1084
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1084
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1084
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1084
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1084
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1085
	<b>Reference</b> <Ref>	[0..1]	Text		1085
	<b>AdditionalData</b> <AddtlData>	[0..*]			1085
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		1085
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1086
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1087
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1088
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1088
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1088
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1092
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1092
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1093
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1093
	<b>Response</b> <Rspn>	[1..1]	Text		1093

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1093
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1093
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1093
	<b>Action</b> <Actn>	[0..*]			1093
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1094
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1094
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1095
	<b>Message</b> <Msg>	[0..1]	Text		1095
	<b>Reference</b> <Ref>	[0..1]	Text		1095
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1095
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1096
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1096
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1097
	<b>Amount</b> <Amt>	[1..1]	Amount		1098
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1098
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1098
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1098
	<b>Command</b> <Cmd>	[0..*]			1098
	<b>Type</b> <Tp>	[1..1]	CodeSet		1099
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1099
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1099
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		1099
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1100
	<b>AccountInformation</b> <AcctInf>	[0..*]			1100
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1102
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1103
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1103
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1103
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			1103
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1104
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1104

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1104
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1104
	<b>Identification</b> <Id>	[1..1]	Text		1105
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1105
Or}	<b>Email</b> <Email>	[1..1]	Text		1105
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1105
	<b>Servicer</b> <Svcr>	[0..1]			1105
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1105
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1106
	<b>Balance</b> <Bal>	[0..*]			1106
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1106
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1107
	<b>Date</b> <Dt>	[0..1]	Date		1107
	<b>Label</b> <Lbl>	[0..1]	Text		1107
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1107
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1107
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1108
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1108
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1109
	<b>Identification</b> <Id>	[1..1]	Text		1109
	<b>Label</b> <Lbl>	[0..1]	Text		1109
	<b>Limits</b> <Lmts>	[0..*]			1109
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1110
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1110
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1110
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1110
	<b>Type</b> <Tp>	[1..1]	Text		1111
	<b>Amount</b> <Amt>	[1..1]	Amount		1111
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1111
	<b>Label</b> <Lbl>	[0..1]	Text		1111
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1111



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1112
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1112
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1113
	<b>MediaItem</b> <MdiaItm>	[1..*]			1113
	<b>MediaIdentification</b> <MdiaId>	[0..1]	Text		1114
	<b>Count</b> <Cnt>	[0..1]	Quantity		1114
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1114
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1114
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1115
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1115
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1115
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1115
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1115
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1116
	<b>Reference</b> <Ref>	[0..1]	Text		1116
	<b>AdditionalData</b> <AddtlData>	[0..*]			1116
	<b>Name</b> <Nm>	[1..1]	Text		1116
	<b>Value</b> <Val>	[0..1]	Text		1116

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1046
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		1047
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1047
	<b>ATM</b> <ATM>	[1..1]	±		1047
	<b>Customer</b> <Cstmr>	[1..1]			1048
	<b>Profile</b> <Prfl>	[0..1]			1049
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1049
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1049
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1049
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1050
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1050
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1051
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1051
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1051
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1051
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1052
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1052
	<b>PAN</b> <PAN>	[0..1]	Text		1052
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1052
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1052
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1053
	<b>Track1</b> <Trck1>	[0..1]	Text		1053
	<b>Track2</b> <Trck2>	[0..1]	Text		1053
	<b>Track3</b> <Trck3>	[0..1]	Text		1053

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <AppIVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 30.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine2" on page 1458 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1459
	AdditionalIdentification <AddtlId>	[0..1]	Text		1459
	SequenceNumber <SeqNb>	[0..1]	Text		1459
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1460
	Location <Lctn>	[0..1]			1460
	AddressLine <AdrLine>	[0..2]	Text		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

### 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
	<b>Profile &lt;Prfl&gt;</b>	[0..1]			1049
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		1049
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		1049
	<b>AuthenticationResult &lt;AuthntcnRslt&gt;</b>	[0..*]			1049
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		1050
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		1050
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		1051
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		1051
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		1051
	<b>PreferredLanguage &lt;PrefrdLang&gt;</b>	[0..1]	CodeSet	C5	1051

#### 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
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		1049
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		1049

##### 30.4.3.1.5.1.1 ProfileReference <PrflRef>

*Presence:* [0..1]

*Definition:* Reference of the customer profile.

*Datatype:* "Max35Text" on page 1577

##### 30.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		1050
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		1050
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		1051
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		1051
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		1051

#### 30.4.3.1.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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 1559

## 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>PAN</b> <PAN>	[0..1]	Text		1052
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1052
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1052
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1053
	<b>Track1</b> <Trck1>	[0..1]	Text		1053
	<b>Track2</b> <Trck2>	[0..1]	Text		1053
	<b>Track3</b> <Trck3>	[0..1]	Text		1053

#### 30.4.3.1.7.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "[Min8Max28NumericText](#)" on page 1579

#### 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 1579

#### 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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1054
	<b>Service</b> <Svc>	[0..1]			1054
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1054
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1055
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1055
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1055
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1055
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1055
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1055

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1054
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1055
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1055
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1055
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1055
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1055
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1055

##### 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 1577

#### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### 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 1574):

- *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 1574):

- *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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1062
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1062
	<b>CompletionRequired</b> <CmpltnReqrd>	[0..1]	Indicator		1062
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..*]	±		1063
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..*]	Amount		1063
	<b>SubDeposit</b> <SubDpst>	[0..*]			1063
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1066
	<b>AccountData</b> <AcctData>	[0..*]			1066
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1068
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1068
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1068
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1069
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1069
	<b>Name</b> <Nm>	[1..1]	Text		1070
	<b>Address</b> <Adr>	[1..1]	±		1070
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1070
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1071
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1071
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1071
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1071
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1072
	<b>Identification</b> <Id>	[1..1]	Text		1072
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1072
Or}	<b>Email</b> <Email>	[1..1]	Text		1072
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1072
	<b>Servicer</b> <Svcr>	[0..1]			1072
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1073
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1073
	<b>Balance</b> <Bal>	[0..1]			1073
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1074
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1074

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Date</b> <Dt>	[0..1]	Date		1074
	<b>Label</b> <Lbl>	[0..1]	Text		1074
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1074
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1075
	<b>Limits</b> <Lmts>	[0..1]			1075
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1076
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1076
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1076
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1076
	<b>Type</b> <Tp>	[1..1]	Text		1076
	<b>Amount</b> <Amt>	[1..1]	Amount		1076
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1077
	<b>Label</b> <Lbl>	[0..1]	Text		1077
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1077
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1079
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1079
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1079
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1079
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1079
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1080
	<b>Fees</b> <Fees>	[0..*]	±		1080
	<b>Donation</b> <Dontn>	[0..*]	±		1080
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1080
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1081
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1081
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1082

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MediaItem</b> <Mdialtm>	[1..*]			1082
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1083
	<b>Count</b> <Cnt>	[0..1]	Quantity		1083
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1083
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1083
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1084
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1084
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1084
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1084
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1084
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1085
	<b>Reference</b> <Ref>	[0..1]	Text		1085
	<b>AdditionalData</b> <AddtlData>	[0..*]			1085
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		1085
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1086
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1087
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1088
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1088
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1088
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1092
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1092
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1093
	<b>Codification</b> <Cdftcn>	[0..1]	Text		1093
	<b>Response</b> <Rspn>	[1..1]	Text		1093
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1093
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1093
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1093
	<b>Action</b> <Actn>	[0..*]			1093
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1094

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1094
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1095
	<b>Message</b> <Msg>	[0..1]	Text		1095
	<b>Reference</b> <Ref>	[0..1]	Text		1095
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1095
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1096
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1096
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1097
	<b>Amount</b> <Amt>	[1..1]	Amount		1098
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1098
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1098
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1098
	<b>Command</b> <Cmd>	[0..*]			1098
	<b>Type</b> <Tp>	[1..1]	CodeSet		1099
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1099
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1099
	<b>CommandIdentification</b> <Cmdld>	[0..1]	±		1099
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1100
	<b>AccountInformation</b> <AcctInf>	[0..*]			1100
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1102
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1103
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1103
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1103
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			1103
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1104
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1104
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1104
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1104
	<b>Identification</b> <ld>	[1..1]	Text		1105
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1105
Or}	<b>Email</b> <Email>	[1..1]	Text		1105



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1105
	<b>Servicer</b> <Svcr>	[0..1]			1105
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1105
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1106
	<b>Balance</b> <Bal>	[0..*]			1106
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1106
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1107
	<b>Date</b> <Dt>	[0..1]	Date		1107
	<b>Label</b> <Lbl>	[0..1]	Text		1107
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1107
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1107
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1108
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1108
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1109
	<b>Identification</b> <Id>	[1..1]	Text		1109
	<b>Label</b> <Lbl>	[0..1]	Text		1109
	<b>Limits</b> <Lmts>	[0..*]			1109
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1110
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1110
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1110
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1110
	<b>Type</b> <Tp>	[1..1]	Text		1111
	<b>Amount</b> <Amt>	[1..1]	Amount		1111
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1111
	<b>Label</b> <Lbl>	[0..1]	Text		1111
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1111
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1112
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1112
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1113
	<b>MediaItem</b> <Mdialtm>	[1..*]			1113
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1114

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Count</b> <Cnt>	[0..1]	Quantity		1114
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1114
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1114
	<b>CodeLineFormat</b> <CdLineFmt>	[0..1]	CodeSet		1115
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1115
	<b>ScannedValue</b> <ScndVal>	[0..1]	Amount		1115
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1115
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1115
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1116
	<b>Reference</b> <Ref>	[0..1]	Text		1116
	<b>AdditionalData</b> <AddtlData>	[0..*]			1116
	<b>Name</b> <Nm>	[1..1]	Text		1116
	<b>Value</b> <Val>	[0..1]	Text		1116

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 30.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* ["Max35Text"](#) on page 1577

#### 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 1574):

- *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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 30.4.3.3.5 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..\*]

*Definition:* Total requested amount.

*Datatype:* "[ImpliedCurrencyAndAmount](#)" on page 1525

#### 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
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1066
	<b>AccountData</b> <AcctData>	[0..*]			1066
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1068
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1068
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1068
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1069
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1069
	<b>Name</b> <Nm>	[1..1]	Text		1070
	<b>Address</b> <Adr>	[1..1]	±		1070
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1070
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1071
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1071
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1071
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1071
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1072
	<b>Identification</b> <Id>	[1..1]	Text		1072
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1072
Or}	<b>Email</b> <Email>	[1..1]	Text		1072
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1072
	<b>Servicer</b> <Svcr>	[0..1]			1072
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1073
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1073
	<b>Balance</b> <Bal>	[0..1]			1073
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1074
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1074
	<b>Date</b> <Dt>	[0..1]	Date		1074
	<b>Label</b> <Labl>	[0..1]	Text		1074
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1074
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1075
	<b>Limits</b> <Lmts>	[0..1]			1075
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1076

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1076
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1076
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1076
	<b>Type</b> <Tp>	[1..1]	Text		1076
	<b>Amount</b> <Amt>	[1..1]	Amount		1076
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1077
	<b>Label</b> <Lbl>	[0..1]	Text		1077
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1077
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1079
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1079
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1079
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1079
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1079
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1080
	<b>Fees</b> <Fees>	[0..*]	±		1080
	<b>Donation</b> <Dontn>	[0..*]	±		1080
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1080
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1081
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1081
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1082
	<b>MediaItem</b> <Mdialtm>	[1..*]			1082
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1083
	<b>Count</b> <Cnt>	[0..1]	Quantity		1083
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1083
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1083
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1084

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1084
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1084
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1084
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1084
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1085
	<b>Reference</b> <Ref>	[0..1]	Text		1085
	<b>AdditionalData</b> <AddtlData>	[0..*]			1085
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085

#### 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 1578

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1068
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1068
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1068
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1069
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1069
	<b>Name</b> <Nm>	[1..1]	Text		1070
	<b>Address</b> <Adr>	[1..1]	±		1070
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1070
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1071
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1071
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1071
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1071
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1072
	<b>Identification</b> <Id>	[1..1]	Text		1072
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1072
Or}	<b>Email</b> <Email>	[1..1]	Text		1072
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1072
	<b>Servicer</b> <Svcr>	[0..1]			1072
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1073
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1073
	<b>Balance</b> <Bal>	[0..1]			1073
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1074
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1074
	<b>Date</b> <Dt>	[0..1]	Date		1074
	<b>Label</b> <Labl>	[0..1]	Text		1074
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1074
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1075
	<b>Limits</b> <Lmts>	[0..1]			1075
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1076
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1076
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1076

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1076
	<b>Type</b> <Tp>	[1..1]	Text		1076
	<b>Amount</b> <Amt>	[1..1]	Amount		1076
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1077
	<b>Label</b> <Lbl>	[0..1]	Text		1077
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1077
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078

#### 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 1574

#### 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 1527

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 1549



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 1578

#### 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
	<b>Name &lt;Nm&gt;</b>	[1..1]	Text		1070
	<b>Address &lt;Adr&gt;</b>	[1..1]	±		1070

#### 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 1578

#### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1071
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1071
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1071
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1072
	<b>Identification</b> <Id>	[1..1]	Text		1072
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1072
Or}	<b>Email</b> <Email>	[1..1]	Text		1072

##### 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 1573

#### 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 1573

##### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		1072

##### 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 1577

##### 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 1576

##### 30.4.3.3.6.2.7.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

##### 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 1577

##### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1073
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1073

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1074
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1074
	<b>Date</b> <Dt>	[0..1]	Date		1074
	<b>Label</b> <Labl>	[0..1]	Text		1074

#### 30.4.3.3.6.2.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 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 1574):

- *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 1574):

- *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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1076
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1076
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1076
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1076
	<b>Type</b> <Tp>	[1..1]	Text		1076
	<b>Amount</b> <Amt>	[1..1]	Amount		1076
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1077
	<b>Label</b> <Lbl>	[0..1]	Text		1077
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1077
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		1076
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		1076
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	1077
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		1077

##### 30.4.3.3.6.2.13.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

##### 30.4.3.3.6.2.13.4.2 Amount <Amt>

*Presence:* [1..1]



*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1077
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1078
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1078
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1078
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1078

#### 30.4.3.3.6.2.13.5.1 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574

#### 30.4.3.3.6.2.13.5.4 MaximumNumber <MaxNb>

*Presence:* [0..1]

*Definition:* Maximum number of media.

*Datatype:* "Number" on page 1574

#### 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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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		1079
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1079
	Currency <Ccy>	[0..1]	CodeSet	C1	1079
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1080
	Fees <Fees>	[0..*]	±		1080
	Donation <Dontn>	[0..*]	±		1080

##### 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 1574

##### 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 1525

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1081
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1081
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1082
	<b>Medialtem</b> <MdiaItm>	[1..*]			1082
	<b>Medialdidentification</b> <MdiaId>	[0..1]	Text		1083
	<b>Count</b> <Cnt>	[0..1]	Quantity		1083
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1083
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1083
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1084
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1084
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1084
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1084
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1084
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1085
	<b>Reference</b> <Ref>	[0..1]	Text		1085
	<b>AdditionalData</b> <AddtlData>	[0..*]			1085
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085

#### 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 1574

#### 30.4.3.3.6.5.2 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of deposited media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1539

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
	<b>Medialdentification</b> <Mdiald>	[0..1]	Text		1083
	<b>Count</b> <Cnt>	[0..1]	Quantity		1083
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1083
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1083
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1084
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1084
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1084
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1084
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1084
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1085
	<b>Reference</b> <Ref>	[0..1]	Text		1085
	<b>AdditionalData</b> <AddtlData>	[0..*]			1085
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085

#### 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 1578

#### 30.4.3.3.6.5.4.2 Count <Cnt>

*Presence:* [0..1]

*Definition:* Number of deposit media.

*Datatype:* "Number" on page 1574

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1551

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 1578

#### 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 1525

#### 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 1575

#### 30.4.3.3.6.5.4.9 MediaStatus <MdiaSts>

*Presence:* [0..1]

*Definition:* Status of the deposit transaction.

*Datatype:* "ATMMediaStatus1Code" on page 1539



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 1578

#### 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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		1085
	<b>Value</b> <Val>	[0..1]	Text		1085

##### 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 1578

##### 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 1576

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1087
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1088
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1088
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1088
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1092
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1092
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1093
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1093
	<b>Response</b> <Rspn>	[1..1]	Text		1093
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1093
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1093
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1093
	<b>Action</b> <Actn>	[0..*]			1093
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1094
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1094
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1095
	<b>Message</b> <Msg>	[0..1]	Text		1095
	<b>Reference</b> <Ref>	[0..1]	Text		1095
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1095
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1096
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1096
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1097
	<b>Amount</b> <Amt>	[1..1]	Amount		1098
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1098
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1098

#### 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 1563

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.

#### 30.4.3.3.8.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Result of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1088
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1088
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1092

##### 30.4.3.3.8.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

##### 30.4.3.3.8.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.

#### 30.4.3.3.8.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		1093
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		1093
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		1093
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		1093
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		1093

#### 30.4.3.3.8.3.1 ResponderIdentification <RspndrId>

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 30.4.3.3.8.3.3 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### 30.4.3.3.8.3.4 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 30.4.3.3.8.4 AuthorisationCode <AuthstnCd>

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1094
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1094
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1095
	<b>Message</b> <Msg>	[0..1]	Text		1095
	<b>Reference</b> <Ref>	[0..1]	Text		1095
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1095
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1096
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1096

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1095
	<b>Message</b> <Msg>	[0..1]	Text		1095
	<b>Reference</b> <Ref>	[0..1]	Text		1095
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1095
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1096

#### 30.4.3.3.8.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 30.4.3.3.8.5.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 30.4.3.3.8.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1098
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1098
	<b>FeeLabel</b> <FeeLab/>	[0..1]	Text		1098

#### 30.4.3.3.8.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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 1526

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		1099
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1099
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1099
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1099
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1100

#### 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 1534

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.

#### 30.4.3.3.10.2 Urgency <Urgcy>

*Presence:* [1..1]

*Definition:* Urgency of the command.

*Datatype:* "TMSContactLevel2Code" on page 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

#### 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
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1102
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1103
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1103
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1103
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1103
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1104
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1104
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1104
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1104
	<b>Identification</b> <Id>	[1..1]	Text		1105
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1105
Or}	<b>Email</b> <Email>	[1..1]	Text		1105
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1105
	<b>Servicer</b> <Svcr>	[0..1]			1105
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1105
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1106
	<b>Balance</b> <Bal>	[0..*]			1106
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1106
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1107
	<b>Date</b> <Dt>	[0..1]	Date		1107
	<b>Label</b> <Labl>	[0..1]	Text		1107
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1107
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1107
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1108
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1108
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1109
	<b>Identification</b> <Id>	[1..1]	Text		1109
	<b>Label</b> <Labl>	[0..1]	Text		1109
	<b>Limits</b> <Lmts>	[0..*]			1109
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1110
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1110

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1110
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1110
	<b>Type</b> <Tp>	[1..1]	Text		1111
	<b>Amount</b> <Amt>	[1..1]	Amount		1111
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1111
	<b>Label</b> <Labl>	[0..1]	Text		1111

### 30.4.3.3.11.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1549

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 1578

#### 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 1533

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1104
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1104
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1104
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1104
	<b>Identification</b> <Id>	[1..1]	Text		1105
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1105
Or}	<b>Email</b> <Email>	[1..1]	Text		1105

#### 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 1573

##### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		1105

#### 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 1577

#### 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 1576

#### 30.4.3.3.11.5.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 30.4.3.3.11.6 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC &lt;AnyBIC&gt;</b>	[1..1]	IdentifierSet	C2	1105
Or}	<b>ProprietaryIdentification &lt;PrtryId&gt;</b>	[1..1]	±		1106

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1106
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1107
	<b>Date</b> <Dt>	[0..1]	Date		1107
	<b>Label</b> <Labl>	[0..1]	Text		1107

#### 30.4.3.3.11.8.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

## 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 1574](#)):

- *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 1572](#)

### 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 1578](#)

### 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 1574](#)):

- *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 1574](#)):

- *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
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1108
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1109
	<b>Identification</b> <Id>	[1..1]	Text		1109
	<b>Label</b> <Labl>	[0..1]	Text		1109
	<b>Limits</b> <Lmts>	[0..*]			1109
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1110
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1110
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1110
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1110
	<b>Type</b> <Tp>	[1..1]	Text		1111
	<b>Amount</b> <Amt>	[1..1]	Amount		1111
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1111
	<b>Label</b> <Labl>	[0..1]	Text		1111

##### 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 1544

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
	<b>Identification</b> <Id>	[1..1]	Text		1109
	<b>Label</b> <Labl>	[0..1]	Text		1109

##### 30.4.3.3.11.11.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 30.4.3.3.11.11.2.2 Label <Labl>

*Presence:* [0..1]

*Definition:* Label of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1110
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1110
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1110
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1110
	<b>Type</b> <Tp>	[1..1]	Text		1111
	<b>Amount</b> <Amt>	[1..1]	Amount		1111
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1111
	<b>Label</b> <Lbl>	[0..1]	Text		1111

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		1111
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		1111
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	1111
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		1111

#### 30.4.3.3.11.11.3.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 30.4.3.3.11.11.3.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1112
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1112
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1113
	<b>Medialtem</b> <MdiaItm>	[1..*]			1113
	<b>Medialdentification</b> <MdiaId>	[0..1]	Text		1114
	<b>Count</b> <Cnt>	[0..1]	Quantity		1114
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1114
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1114
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1115
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1115
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1115
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1115
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1115
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1116
	<b>Reference</b> <Ref>	[0..1]	Text		1116
	<b>AdditionalData</b> <AddtlData>	[0..*]			1116
	<b>Name</b> <Nm>	[1..1]	Text		1116
	<b>Value</b> <Val>	[0..1]	Text		1116

#### 30.4.3.3.12.1 AccountSequenceNumber <AcctSeqNb>

*Presence:* [0..1]

*Definition:* Link to the account for multi-account deposit.

*Datatype:* "Number" on page 1574

#### 30.4.3.3.12.2 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of deposited media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1539

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
	<b>Medialdentification</b> <Mdiald>	[0..1]	Text		1114
	<b>Count</b> <Cnt>	[0..1]	Quantity		1114
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1114
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1114
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1115
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1115
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1115
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1115
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1115
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1116
	<b>Reference</b> <Ref>	[0..1]	Text		1116
	<b>AdditionalData</b> <AddtlData>	[0..*]			1116
	<b>Name</b> <Nm>	[1..1]	Text		1116
	<b>Value</b> <Val>	[0..1]	Text		1116

#### 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 1578

#### 30.4.3.3.12.4.2 Count <Cnt>

*Presence:* [0..1]

*Definition:* Number of deposit media.

*Datatype:* "Number" on page 1574

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1551

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 1578

#### 30.4.3.3.12.4.7 ScannedValue <ScndVal>

*Presence:* [0..1]

*Definition:* Check amount scanned by the check reader.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1575

#### 30.4.3.3.12.4.9 MediaStatus <MdiaSts>

*Presence:* [0..1]

*Definition:* Status of the deposit transaction.

*Datatype:* "ATMMediaStatus1Code" on page 1539

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 1578

#### 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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		1116
	<b>Value</b> <Val>	[0..1]	Text		1116

##### 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 1578

##### 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 1576

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1117
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1117

#### 30.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

# **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]			
	<b>Header</b> <Hdr>	[1..1]			1128
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1129
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1129
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1131
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1131
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		1131
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1131
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		1131
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1132
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1132
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1132
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		1132
	<b>Traceability</b> <Tracblt>	[0..*]			1132
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1132
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1133
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		1133
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1133
	<b>ProtectedATMDepositCompletionAdvice</b> <PrtctdATMDpstCmpltnAdvc>	[0..1]	±		1133
	<b>ATMDepositCompletionAdvice</b> <ATMDpstCmpltnAdvc>	[0..1]			1133
	<b>Environment</b> <Envt>	[1..1]			1143
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1146
	<b>ATMManagerIdentification</b> <ATMMgrId>	[0..1]	Text		1146
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1147
	<b>ATM</b> <ATM>	[1..1]			1147
	<b>Identification</b> <Id>	[1..1]	Text		1149
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1149
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1149
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1150

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Location</b> <Lctn>	[0..1]			1150
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1150
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1151
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1151
	<b>PostCode</b> <PstCd>	[0..1]	Text		1151
	<b>TownName</b> <TwnNm>	[1..1]	Text		1151
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1151
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1151
	<b>GeoLocation</b> <GLctn>	[0..1]			1151
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1152
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1152
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1153
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1153
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1153
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1153
	<b>Capabilities</b> <Cpblties>	[0..1]			1153
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1154
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1154
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1155
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1155
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1155
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		1155
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1156
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1156
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1156
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1157
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1157
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1157
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1158

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1158
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1158
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		1158
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1158
	<b>Equipment</b> <Eqpmnt>	[0..1]			1158
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1159
	<b>Model</b> <Mdl>	[0..1]	Text		1159
	<b>SerialNumber</b> <Srlnb>	[0..1]	Text		1159
	<b>ApplicationProvider</b> <AppIPrvdr>	[0..1]	Text		1159
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		1159
	<b>ApplicationVersion</b> <AppVrsn>	[0..1]	Text		1160
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		1160
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1160
	<b>Type</b> <Tp>	[1..1]	CodeSet		1160
	<b>Version</b> <Vrsn>	[1..1]	Text		1161
	<b>Customer</b> <Cstmr>	[1..1]			1161
	<b>Profile</b> <Prfl>	[0..1]			1161
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1161
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1162
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1162
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1162
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1162
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			1163
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1163
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1163
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1164
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1164
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1164
	<b>Card</b> <Card>	[0..1]			1164
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1165
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		1166

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1166
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1166
	<b>PAN</b> <PAN>	[0..1]	Text		1166
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1167
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1167
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1167
	<b>Track1</b> <Trck1>	[0..1]	Text		1167
	<b>Track2</b> <Trck2>	[0..1]	Text		1167
	<b>Track3</b> <Trck3>	[0..1]	Text		1167
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1167
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1167
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	1168
	<b>Context</b> <Cntxt>	[1..1]			1168
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1168
	<b>Service</b> <Svc>	[0..1]			1168
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1169
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1169
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1169
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1169
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1169
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1170
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1170
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1170
	<b>Transaction</b> <Tx>	[1..1]			1170
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1176
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		1176
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		1176
	<b>Incident</b> <Incdnt>	[0..*]	CodeSet		1177
	<b>IncidentDetail</b> <IncdntDtl>	[0..*]	Text		1179
	<b>TotalDepositedAmount</b> <TtlDpstdAmt>	[1..*]	±		1179
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..*]	Amount		1179

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..*]	Amount		1179
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1179
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1180
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1180
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1180
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1180
	<b>Fees</b> <Fees>	[0..*]	±		1180
	<b>Donation</b> <Dontn>	[0..*]	±		1181
	<b>SubDeposit</b> <SubDpst>	[0..*]			1181
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1184
	<b>AccountData</b> <AcctData>	[0..*]			1184
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1186
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1186
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1186
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1187
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1187
	<b>Name</b> <Nm>	[1..1]	Text		1188
	<b>Address</b> <Adr>	[1..1]	±		1188
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1188
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1189
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1189
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1189
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1189
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1190
	<b>Identification</b> <Id>	[1..1]	Text		1190
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1190
Or}	<b>Email</b> <Email>	[1..1]	Text		1190
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1190
	<b>Servicer</b> <Svcr>	[0..1]			1190
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1191
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1191

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Balance</b> <Bal>	[0..1]			1191
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1192
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1192
	<b>Date</b> <Dt>	[0..1]	Date		1192
	<b>Label</b> <Labl>	[0..1]	Text		1192
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1192
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1193
	<b>Limits</b> <Lmts>	[0..1]			1193
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1194
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1194
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1194
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1194
	<b>Type</b> <Tp>	[1..1]	Text		1194
	<b>Amount</b> <Amt>	[1..1]	Amount		1194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1195
	<b>Label</b> <Labl>	[0..1]	Text		1195
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1195
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1197
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1197
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1197
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1197
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1197
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1198
	<b>Fees</b> <Fees>	[0..*]	±		1198
	<b>Donation</b> <Dontn>	[0..*]	±		1198
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1198



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1199
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1199
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1200
	<b>MediaItem</b> <MdiaItm>	[1..*]			1200
	<b>MediaIdentification</b> <MdiaId>	[0..1]	Text		1201
	<b>Count</b> <Cnt>	[0..1]	Quantity		1201
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1201
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1201
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1202
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1202
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1202
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1202
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1202
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1203
	<b>Reference</b> <Ref>	[0..1]	Text		1203
	<b>AdditionalData</b> <AddtlData>	[0..*]			1203
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		1203
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1204
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		1204
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1204
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1205
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1206
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1206
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1206
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1210
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1210
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1211
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1211
	<b>Response</b> <Rspn>	[1..1]	Text		1211

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1211
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1211
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1211
	<b>Action</b> <Actn>	[0..*]			1211
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1212
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1212
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1213
	<b>Message</b> <Msg>	[0..1]	Text		1213
	<b>Reference</b> <Ref>	[0..1]	Text		1213
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1213
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1214
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1214
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1215
	<b>Amount</b> <Amt>	[1..1]	Amount		1216
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1216
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		1216
	<b>ToBeReconciledMediaCounters</b> <ToBeRcnclMdiaCntrs>	[0..*]			1216
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1217
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1217
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1218
	<b>MediaItem</b> <Mdialtm>	[1..*]			1218
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1219
	<b>Count</b> <Cnt>	[0..1]	Quantity		1219
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1219
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1219
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1220
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1220
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1220
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1220
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1220
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1221

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Reference</b> <Ref>	[0..1]	Text		1221
	<b>AdditionalData</b> <AddtlData>	[0..*]			1221
	<b>Name</b> <Nm>	[1..1]	Text		1221
	<b>Value</b> <Val>	[0..1]	Text		1221
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		1221
	<b>Cassette</b> <Csstt>	[0..*]			1222
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		1224
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		1224
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1224
	<b>Type</b> <Tp>	[1..1]	CodeSet		1224
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		1224
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		1225
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			1225
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1226
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1226
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1227
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		1227
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		1227
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		1227
	<b>FlowTotals</b> <FlowTtls>	[0..*]			1227
	<b>Type</b> <Tp>	[1..1]	CodeSet		1228
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		1228
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		1229
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		1229
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		1229
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		1229
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		1229
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		1229
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		1229
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		1229
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		1230

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		1230
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		1230
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		1230
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		1230
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1231
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			1231
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1231
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1231

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1129
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1129
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1131
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1131
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		1131
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1131
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		1131
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1132
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1132
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1132
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		1132
	<b>Traceability</b> <Tracblt>	[0..*]			1132
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1132
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1133
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		1133
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1133

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1129
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1131
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1131

#### 31.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 31.4.1.1.2 ATMSvcCd <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 31.4.1.1.3 HostSvcCd <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 31.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 31.4.1.3 ExchangeId <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 31.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

31.4.1.5 CreationDateTime <CreDtTm>

Presence: [1..1]  
Definition: Date and time at which the message was created.  
Datatype: "ISODatetime" on page 1572

31.4.1.6 InitiatingParty <InitgPty>

Presence: [1..1]  
Definition: Unique identification of the partner that has initiated the exchange.  
Datatype: "Max35Text" on page 1577

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 1577

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 1577

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 <RlayId>	[1..1]	±		1132
	SequenceNumber <SeqNb>	[0..1]	Text		1133
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1133
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1133

31.4.1.9.1 RelayIdentification <RlayId>

Presence: [1..1]  
Definition: Identification of a partner of a message exchange.



**RelayIdentification <RlyId>** contains the following elements (see "[GenericIdentification77](#)" on page 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 31.4.2 ProtectedATMDepositCompletionAdvice <PrtctdATMDpstCmpltnAdv>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDepositCompletionAdvice <PrtctdATMDpstCmpltnAdv>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			1143
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1146
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		1146
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1147
	<b>ATM</b> <ATM>	[1..1]			1147
	<b>Identification</b> <Id>	[1..1]	Text		1149
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1149
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1149
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1150
	<b>Location</b> <Lctn>	[0..1]			1150
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1150
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1151
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1151
	<b>PostCode</b> <PstCd>	[0..1]	Text		1151
	<b>TownName</b> <TwnNm>	[1..1]	Text		1151
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1151
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1151
	<b>GeoLocation</b> <GLctn>	[0..1]			1151
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1152
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1152
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1153
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1153
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1153
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1153
	<b>Capabilities</b> <Cpblties>	[0..1]			1153
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1154
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1154
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1155

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1155
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1155
	<b>MaxScriptLength</b> <MxScrptLngh>	[0..1]	Quantity		1155
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1156
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1156
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1156
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1157
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1157
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1157
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1158
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1158
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1158
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		1158
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1158
	<b>Equipment</b> <Eqpmnt>	[0..1]			1158
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1159
	<b>Model</b> <Mdl>	[0..1]	Text		1159
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1159
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1159
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		1159
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1160
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		1160
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1160
	<b>Type</b> <Tp>	[1..1]	CodeSet		1160
	<b>Version</b> <Vrsn>	[1..1]	Text		1161
	<b>Customer</b> <Cstmr>	[1..1]			1161
	<b>Profile</b> <Prfl>	[0..1]			1161
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1161
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1162
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1162
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1162

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1162
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			1163
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1163
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1163
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1164
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1164
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1164
	<b>Card</b> <Card>	[0..1]			1164
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1165
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		1166
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1166
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1166
	<b>PAN</b> <PAN>	[0..1]	Text		1166
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1167
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1167
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1167
	<b>Track1</b> <Trck1>	[0..1]	Text		1167
	<b>Track2</b> <Trck2>	[0..1]	Text		1167
	<b>Track3</b> <Trck3>	[0..1]	Text		1167
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1167
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1167
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	1168
	<b>Context</b> <Cntxt>	[1..1]			1168
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1168
	<b>Service</b> <Svc>	[0..1]			1168
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1169
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1169
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1169
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1169
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1169
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1170

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1170
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1170
	<b>Transaction</b> <Tx>	[1..1]			1170
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1176
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		1176
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1176
	<b>Incident</b> <IncDnt>	[0..*]	CodeSet		1177
	<b>IncidentDetail</b> <IncDntDtl>	[0..*]	Text		1179
	<b>TotalDepositedAmount</b> <TtlDpstdAmt>	[1..*]	±		1179
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..*]	Amount		1179
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..*]	Amount		1179
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1179
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1180
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1180
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1180
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1180
	<b>Fees</b> <Fees>	[0..*]	±		1180
	<b>Donation</b> <Dontn>	[0..*]	±		1181
	<b>SubDeposit</b> <SubDpst>	[0..*]			1181
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1184
	<b>AccountData</b> <AcctData>	[0..*]			1184
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1186
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1186
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1186
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1187
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1187
	<b>Name</b> <Nm>	[1..1]	Text		1188
	<b>Address</b> <Adr>	[1..1]	±		1188
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1188
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1189
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1189

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1189
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1189
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1190
	<b>Identification</b> <Id>	[1..1]	Text		1190
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1190
Or}	<b>Email</b> <Email>	[1..1]	Text		1190
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1190
	<b>Servicer</b> <Svcr>	[0..1]			1190
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1191
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1191
	<b>Balance</b> <Bal>	[0..1]			1191
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1192
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1192
	<b>Date</b> <Dt>	[0..1]	Date		1192
	<b>Label</b> <Lbl>	[0..1]	Text		1192
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1192
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1193
	<b>Limits</b> <Lmts>	[0..1]			1193
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1194
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1194
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1194
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1194
	<b>Type</b> <Tp>	[1..1]	Text		1194
	<b>Amount</b> <Amt>	[1..1]	Amount		1194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1195
	<b>Label</b> <Lbl>	[0..1]	Text		1195
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1195
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1197
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1197
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1197
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1197
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1197
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1198
	<b>Fees</b> <Fees>	[0..*]	±		1198
	<b>Donation</b> <Dontrn>	[0..*]	±		1198
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1198
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1199
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1199
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1200
	<b>MediaItem</b> <Mdialtm>	[1..*]			1200
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1201
	<b>Count</b> <Cnt>	[0..1]	Quantity		1201
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1201
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1201
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1202
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1202
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1202
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1202
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1202
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1203
	<b>Reference</b> <Ref>	[0..1]	Text		1203
	<b>AdditionalData</b> <AddtlData>	[0..*]			1203
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		1203
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1204
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		1204



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1204
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1205
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1206
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1206
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1206
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1210
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1210
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1211
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1211
	<b>Response</b> <Rspn>	[1..1]	Text		1211
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1211
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1211
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1211
	<b>Action</b> <Actn>	[0..*]			1211
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1212
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1212
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1213
	<b>Message</b> <Msg>	[0..1]	Text		1213
	<b>Reference</b> <Ref>	[0..1]	Text		1213
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1213
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1214
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1214
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1215
	<b>Amount</b> <Amt>	[1..1]	Amount		1216
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1216
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		1216
	<b>ToBeReconciledMediaCounters</b> <ToBeRcnclMdiaCntrs>	[0..*]			1216
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1217
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1217
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1218
	<b>MediaItem</b> <Mdialtm>	[1..*]			1218

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1219
	<b>Count</b> <Cnt>	[0..1]	Quantity		1219
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1219
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1219
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1220
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1220
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1220
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1220
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1220
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1221
	<b>Reference</b> <Ref>	[0..1]	Text		1221
	<b>AdditionalData</b> <AddtlData>	[0..*]			1221
	<b>Name</b> <Nm>	[1..1]	Text		1221
	<b>Value</b> <Val>	[0..1]	Text		1221
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		1221
	<b>Cassette</b> <Csstt>	[0..*]			1222
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		1224
	<b>LogicalIdentification</b> <Logclld>	[1..1]	Text		1224
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1224
	<b>Type</b> <Tp>	[1..1]	CodeSet		1224
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		1224
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		1225
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			1225
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1226
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1226
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1227
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		1227
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		1227
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		1227
	<b>FlowTotals</b> <FlowTtls>	[0..*]			1227
	<b>Type</b> <Tp>	[1..1]	CodeSet		1228

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		1228
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		1229
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		1229
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		1229
	<b>DepositedNumber</b> <DpstddNb>	[0..1]	Quantity		1229
	<b>DepositedAmount</b> <DpstddAmt>	[0..1]	Amount		1229
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		1229
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		1229
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		1229
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		1230
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		1230
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		1230
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		1230
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		1230
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1231

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1146
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		1146
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1147
	<b>ATM</b> <ATM>	[1..1]			1147
	<b>Identification</b> <Id>	[1..1]	Text		1149
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1149
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1149
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1150
	<b>Location</b> <Lctn>	[0..1]			1150
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1150
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1151
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1151
	<b>PostCode</b> <PstCd>	[0..1]	Text		1151
	<b>TownName</b> <TwnNm>	[1..1]	Text		1151
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1151
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1151
	<b>GeoLocation</b> <GLctn>	[0..1]			1151
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1152
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1152
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1153
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1153
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1153
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1153
	<b>Capabilities</b> <Cpblties>	[0..1]			1153
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1154
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1154
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1155
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1155
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1155

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		1155
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1156
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1156
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1156
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1157
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1157
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1157
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1158
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1158
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1158
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		1158
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1158
	<b>Equipment</b> <Eqpmnt>	[0..1]			1158
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1159
	<b>Model</b> <Mdl>	[0..1]	Text		1159
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1159
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1159
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		1159
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1160
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		1160
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1160
	<b>Type</b> <Tp>	[1..1]	CodeSet		1160
	<b>Version</b> <Vrsn>	[1..1]	Text		1161
	<b>Customer</b> <Cstmr>	[1..1]			1161
	<b>Profile</b> <Prfl>	[0..1]			1161
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1161
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1162
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1162
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1162
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1162
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			1163

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1163
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1163
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1164
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1164
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1164
	<b>Card</b> <Card>	[0..1]			1164
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1165
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		1166
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1166
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1166
	<b>PAN</b> <PAN>	[0..1]	Text		1166
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1167
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1167
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1167
	<b>Track1</b> <Trck1>	[0..1]	Text		1167
	<b>Track2</b> <Trck2>	[0..1]	Text		1167
	<b>Track3</b> <Trck3>	[0..1]	Text		1167
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1167
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1167
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	1168

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 31.4.3.1.2 ATMManagerIdentification <ATMMgrld>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

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
	<b>Identification</b> <Id>	[1..1]	Text		1149
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1149
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1149
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1150
	<b>Location</b> <Lctn>	[0..1]			1150
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1150
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1151
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1151
	<b>PostCode</b> <PstCd>	[0..1]	Text		1151
	<b>TownName</b> <TwnNm>	[1..1]	Text		1151
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1151
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1151
	<b>GeoLocation</b> <GLctn>	[0..1]			1151
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1152
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1152
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1153
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1153
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1153
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1153
	<b>Capabilities</b> <Cpbilities>	[0..1]			1153
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1154
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1154
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1155
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		1155
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1155
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		1155
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1156
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1156
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1156



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1157
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		1157
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1157
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1158
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1158
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1158
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		1158
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1158
	<b>Equipment</b> <Eqpmnt>	[0..1]			1158
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1159
	<b>Model</b> <Mdl>	[0..1]	Text		1159
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1159
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1159
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		1159
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1160
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		1160
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1160
	<b>Type</b> <Tp>	[1..1]	CodeSet		1160
	<b>Version</b> <Vrsn>	[1..1]	Text		1161

#### 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 1577

#### 31.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1150
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1151
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1151
	<b>PostCode</b> <PstCd>	[0..1]	Text		1151
	<b>TownName</b> <TwnNm>	[1..1]	Text		1151
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1151
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1151
	<b>GeoLocation</b> <GLctn>	[0..1]			1151
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1152
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1152
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1153
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1153
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1153

#### 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 1578

#### **31.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

##### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1152
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1152
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1153
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		1153
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		1153

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		1152
	<b>Longitude</b> <Long>	[1..1]	Text		1152

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone &lt;UTMZone&gt;</b>	[1..1]	Text		1153
	<b>UTMEastward &lt;UTMEstwr&gt;</b>	[1..1]	Quantity		1153
	<b>UTMNorthward &lt;UTMNrthwr&gt;</b>	[1..1]	Quantity		1153

#### 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 1576

#### 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 1574

#### 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 1574

#### 31.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1154
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1154
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1155
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1155
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1155
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		1155
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1156
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1156
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1156
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1157
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1157
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1157
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1158
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1158
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1158
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		1158
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1158

#### 31.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 31.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 31.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 31.4.3.1.4.7.4 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 1574

#### 31.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 31.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 31.4.3.1.4.7.7 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 1574):

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

#### 31.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 31.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.



CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

#### 31.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1157
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1157
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1158
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1158
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1158

##### 31.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

##### 31.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 31.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 31.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 31.4.3.1.4.7.10.5 AvailableLanguage <AvlBlLang>

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C5 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 31.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 31.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1159
	<b>Model</b> <Mdl>	[0..1]	Text		1159
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		1159
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1159
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		1159
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1160
	<b>ApprovalNumber</b> <ApplVrsn>	[0..1]	Text		1160
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			1160
	<b>Type</b> <Tp>	[1..1]	CodeSet		1160
	<b>Version</b> <Vrsn>	[1..1]	Text		1161

#### 31.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 31.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		1160
	<b>Version</b> <Vrsn>	[1..1]	Text		1161

##### 31.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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
	<b>Profile</b> <Prfl>	[0..1]			1161
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		1161
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1162
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1162
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1162
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1162
	<b>AuthenticationResult</b> <AuthntcnRslt>	[1..*]			1163
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1163
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1163
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1164
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1164
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1164

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		1161
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1162
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1162
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1162

#### 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 1537

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 1577

#### 31.4.3.1.5.1.3 CustomerIdentification <CstmrId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

##### 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 1559

## Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

### 31.4.3.1.5.3 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1163
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1163
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1164
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1164
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1164

#### 31.4.3.1.5.3.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1165
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		1166
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1166
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1166
	<b>PAN</b> <PAN>	[0..1]	Text		1166
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1167
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1167
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1167
	<b>Track1</b> <Trck1>	[0..1]	Text		1167
	<b>Track2</b> <Trck2>	[0..1]	Text		1167
	<b>Track3</b> <Trck3>	[0..1]	Text		1167
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1167
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1167
	<b>ElectronicPurseBalance</b> <ElctrncPrsBal>	[0..1]	Amount	C6	1168

#### 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 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>PAN</b> <PAN>	[0..1]	Text		1166
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1167
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1167
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1167
	<b>Track1</b> <Trck1>	[0..1]	Text		1167
	<b>Track2</b> <Trck2>	[0..1]	Text		1167
	<b>Track3</b> <Trck3>	[0..1]	Text		1167

#### 31.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1579

#### 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 1577

#### 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 1575

#### 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 1578

#### 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 1575

#### 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 1525

##### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1168
	<b>Service</b> <Svc>	[0..1]			1168
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1169
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1169
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1169
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1169
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1169
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1170
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1170
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1170

##### 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 1577

##### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1169
	<b>ATMSvcCode</b> <ATMSvcCd>	[0..1]	Text		1169
	<b>HostSvcCode</b> <HstSvcCd>	[0..1]	Text		1169
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1169
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1169
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1170
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1170
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1170

#### 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 1577

#### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### **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 1574):

- *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 1574):

- *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 1574):

- *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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1176
	<b>TransactionStatus</b> <TxSts>	[1..1]	CodeSet		1176
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1176
	<b>Incident</b> <IncDnt>	[0..*]	CodeSet		1177
	<b>IncidentDetail</b> <IncDntDtl>	[0..*]	Text		1179
	<b>TotalDepositedAmount</b> <TtlDpstdAmt>	[1..*]	±		1179
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..*]	Amount		1179
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..*]	Amount		1179
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1179
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1180
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1180
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1180
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1180
	<b>Fees</b> <Fees>	[0..*]	±		1180
	<b>Donation</b> <Dontn>	[0..*]	±		1181
	<b>SubDeposit</b> <SubDpst>	[0..*]			1181
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1184
	<b>AccountData</b> <AcctData>	[0..*]			1184
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1186
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1186
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1186
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1187
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1187
	<b>Name</b> <Nm>	[1..1]	Text		1188
	<b>Address</b> <Adr>	[1..1]	±		1188
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1188
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1189
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1189
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1189
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1189
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1190

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		1190
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1190
Or}	<b>Email</b> <Email>	[1..1]	Text		1190
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1190
	<b>Servicer</b> <Svcr>	[0..1]			1190
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1191
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1191
	<b>Balance</b> <Bal>	[0..1]			1191
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1192
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1192
	<b>Date</b> <Dt>	[0..1]	Date		1192
	<b>Label</b> <Lbl>	[0..1]	Text		1192
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1192
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1193
	<b>Limits</b> <Lmts>	[0..1]			1193
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1194
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1194
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1194
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1194
	<b>Type</b> <Tp>	[1..1]	Text		1194
	<b>Amount</b> <Amt>	[1..1]	Amount		1194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1195
	<b>Label</b> <Lbl>	[0..1]	Text		1195
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1195
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1197
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1197



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1197
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1197
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1197
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1198
	<b>Fees</b> <Fees>	[0..*]	±		1198
	<b>Donation</b> <Dontn>	[0..*]	±		1198
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1198
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1199
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1199
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1200
	<b>MediaItem</b> <Mdialtm>	[1..*]			1200
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1201
	<b>Count</b> <Cnt>	[0..1]	Quantity		1201
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1201
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1201
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1202
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1202
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1202
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1202
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1202
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1203
	<b>Reference</b> <Ref>	[0..1]	Text		1203
	<b>AdditionalData</b> <AddtlData>	[0..*]			1203
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]	±		1203
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1204
	<b>ReceiptPrinted</b> <RctPrtd>	[0..1]	Indicator		1204
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1204
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1205
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1206

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1206
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1206
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1210
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1210
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1211
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1211
	<b>Response</b> <Rspn>	[1..1]	Text		1211
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1211
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1211
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1211
	<b>Action</b> <Actn>	[0..*]			1211
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1212
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1212
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1213
	<b>Message</b> <Msg>	[0..1]	Text		1213
	<b>Reference</b> <Ref>	[0..1]	Text		1213
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1213
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1214
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1214
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1215
	<b>Amount</b> <Amt>	[1..1]	Amount		1216
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1216
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		1216
	<b>ToBeReconciledMediaCounters</b> <ToBeRncldMdiaCntrs>	[0..*]			1216
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1217
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1217
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1218
	<b>MediaItem</b> <MdiaItm>	[1..*]			1218
	<b>MediaIdentification</b> <MdiaId>	[0..1]	Text		1219
	<b>Count</b> <Cnt>	[0..1]	Quantity		1219
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1219

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1219
	<b>CodeLineFormat</b> <CdLineFmt>	[0..1]	CodeSet		1220
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1220
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1220
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1220
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1220
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1221
	<b>Reference</b> <Ref>	[0..1]	Text		1221
	<b>AdditionalData</b> <AddtlData>	[0..*]			1221
	<b>Name</b> <Nm>	[1..1]	Text		1221
	<b>Value</b> <Val>	[0..1]	Text		1221
	<b>ATMTotals</b> <ATMTtls>	[0..*]	±		1221
	<b>Cassette</b> <Csstt>	[0..*]			1222
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		1224
	<b>LogicalIdentification</b> <LogclId>	[1..1]	Text		1224
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1224
	<b>Type</b> <Tp>	[1..1]	CodeSet		1224
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		1224
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		1225
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			1225
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1226
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1226
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1227
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		1227
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		1227
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		1227
	<b>FlowTotals</b> <FlowTtls>	[0..*]			1227
	<b>Type</b> <Tp>	[1..1]	CodeSet		1228
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		1228
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		1229
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		1229

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		1229
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		1229
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		1229
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		1229
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		1229
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		1229
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		1230
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		1230
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		1230
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		1230
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		1230
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1231

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 31.4.3.3.2 TransactionStatus <TxSts>

*Presence:* [1..1]

*Definition:* Outcome of the financial transaction for the customer.

*Datatype:* ["ATMTransactionStatus1Code"](#) on page 1547

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 1577

#### 31.4.3.3.4 Incident <IncDnt>

*Presence:* [0..\*]

*Definition:* Incident occurring during the processing of the transaction.

*Datatype:* "FailureReason9Code" on page 1556

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.
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.

CodeName	Name	Definition
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 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.

CodeName	Name	Definition
DCRT	DepositsRetained	Cash has been retained by the terminal since it has been unable to return it.
RSTR	Restart	The ATM has restarted.

#### 31.4.3.3.5 IncidentDetail <IncDntDtl>

*Presence:* [0..\*]

*Definition:* Explanation of the incident.

*Datatype:* "Max70Text" on page 1578

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 31.4.3.3.7 TotalAuthorisedAmount <TtlAuthrsdAmt>

*Presence:* [1..\*]

*Definition:* Total authorised amount of the deposit transaction.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 31.4.3.3.8 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..\*]

*Definition:* Total requested amount.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1180
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1180
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1180
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1180
	<b>Fees</b> <Fees>	[0..*]	±		1180
	<b>Donation</b> <Dontn>	[0..*]	±		1181

#### 31.4.3.3.9.1 AccountSequenceNumber <AcctSeqNb>

*Presence:* [0..1]

*Definition:* Link to the account for multi-account deposit.

*Datatype:* "Number" on page 1574

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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
	<b>SubDepositIdentification</b> <SubDpstId>	[0..1]	Text		1184
	<b>AccountData</b> <AcctData>	[0..*]			1184
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1186
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1186
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1186
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1187
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1187
	<b>Name</b> <Nm>	[1..1]	Text		1188
	<b>Address</b> <Adr>	[1..1]	±		1188
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1188
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1189
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1189
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1189
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1189
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1190
	<b>Identification</b> <Id>	[1..1]	Text		1190
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1190
Or}	<b>Email</b> <Email>	[1..1]	Text		1190
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1190
	<b>Servicer</b> <Svcr>	[0..1]			1190
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1191
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1191
	<b>Balance</b> <Bal>	[0..1]			1191
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1192
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1192
	<b>Date</b> <Dt>	[0..1]	Date		1192
	<b>Label</b> <Labl>	[0..1]	Text		1192
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1192
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1193
	<b>Limits</b> <Lmts>	[0..1]			1193
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1194

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1194
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1194
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1194
	<b>Type</b> <Tp>	[1..1]	Text		1194
	<b>Amount</b> <Amt>	[1..1]	Amount		1194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1195
	<b>Label</b> <Lbl>	[0..1]	Text		1195
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1195
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196
	<b>ProtectedAccountData</b> <PrctcdAcctData>	[0..*]	±		1197
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..*]			1197
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1197
	<b>AmountToDeposit</b> <AmtToDpst>	[0..1]	Amount		1197
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1197
	<b>CashBackAmount</b> <CshBckAmt>	[0..1]	Amount		1198
	<b>Fees</b> <Fees>	[0..*]	±		1198
	<b>Donation</b> <Dontn>	[0..*]	±		1198
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]			1198
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1199
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1199
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1200
	<b>MediaItem</b> <Mdialtm>	[1..*]			1200
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1201
	<b>Count</b> <Cnt>	[0..1]	Quantity		1201
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1201
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1201
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1202

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1202
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1202
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1202
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1202
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1203
	<b>Reference</b> <Ref>	[0..1]	Text		1203
	<b>AdditionalData</b> <AddtlData>	[0..*]			1203
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203

#### 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 1578

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1186
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1186
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1186
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1187
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1187
	<b>Name</b> <Nm>	[1..1]	Text		1188
	<b>Address</b> <Adr>	[1..1]	±		1188
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1188
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1189
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1189
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1189
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1189
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1190
	<b>Identification</b> <Id>	[1..1]	Text		1190
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1190
Or}	<b>Email</b> <Email>	[1..1]	Text		1190
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1190
	<b>Servicer</b> <Svcr>	[0..1]			1190
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1191
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1191
	<b>Balance</b> <Bal>	[0..1]			1191
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1192
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1192
	<b>Date</b> <Dt>	[0..1]	Date		1192
	<b>Label</b> <Labl>	[0..1]	Text		1192
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1192
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1193
	<b>Limits</b> <Lmts>	[0..1]			1193
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1194
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1194
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1194

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1194
	<b>Type</b> <Tp>	[1..1]	Text		1194
	<b>Amount</b> <Amt>	[1..1]	Amount		1194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1195
	<b>Label</b> <Lbl>	[0..1]	Text		1195
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1195
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196

#### 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 1574

#### 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 1527

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 1549

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 1578

#### 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
	<b>Name &lt;Nm&gt;</b>	[1..1]	Text		1188
	<b>Address &lt;Adr&gt;</b>	[1..1]	±		1188

#### 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 1578

#### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1189
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1189
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1189
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1190
	<b>Identification</b> <Id>	[1..1]	Text		1190
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1190
Or}	<b>Email</b> <Email>	[1..1]	Text		1190

##### 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 1573

#### 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 1573

##### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		1190

##### 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 1577

##### 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 1576

##### 31.4.3.3.10.2.7.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

##### 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 1577

##### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1191
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1191

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1192
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1192
	<b>Date</b> <Dt>	[0..1]	Date		1192
	<b>Label</b> <Labl>	[0..1]	Text		1192

#### 31.4.3.3.10.2.10.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 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 1574):

- *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 1574):

- *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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1194
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1194
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1194
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1194
	<b>Type</b> <Tp>	[1..1]	Text		1194
	<b>Amount</b> <Amt>	[1..1]	Amount		1194
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1195
	<b>Label</b> <Labl>	[0..1]	Text		1195
	<b>DepositLimits</b> <DpstLmts>	[0..*]			1195
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196

### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

### 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 1525

### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		1194
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		1194
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	1195
	<b>Label &lt;Lab&gt;</b>	[0..1]	Text		1195

#### 31.4.3.3.10.2.13.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.3.10.2.13.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

### 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
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1195
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1196
	<b>MinimumNumber</b> <MinNb>	[0..1]	Quantity		1196
	<b>MaximumNumber</b> <MaxNb>	[0..1]	Quantity		1196
	<b>DisplayFlag</b> <DispFlg>	[0..1]	Indicator		1196

#### 31.4.3.3.10.2.13.5.1 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574

#### 31.4.3.3.10.2.13.5.4 MaximumNumber <MaxNb>

*Presence:* [0..1]

*Definition:* Maximum number of media.

*Datatype:* "Number" on page 1574

#### 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 1574):



- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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		1197
	AmountToDeposit <AmtToDpst>	[0..1]	Amount		1197
	Currency <Ccy>	[0..1]	CodeSet	C1	1197
	CashBackAmount <CshBckAmt>	[0..1]	Amount		1198
	Fees <Fees>	[0..*]	±		1198
	Donation <Dontn>	[0..*]	±		1198

##### 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 1574

##### 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 1525

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1199
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1199
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1200
	<b>Medialtem</b> <MdiaItm>	[1..*]			1200
	<b>Medialdidentification</b> <MdiaId>	[0..1]	Text		1201
	<b>Count</b> <Cnt>	[0..1]	Quantity		1201
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1201
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1201
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1202
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1202
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1202
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1202
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1202
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1203
	<b>Reference</b> <Ref>	[0..1]	Text		1203
	<b>AdditionalData</b> <AddtlData>	[0..*]			1203
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203

#### 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 1574

#### 31.4.3.3.10.5.2 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of deposited media.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1539

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 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
	<b>Medialidentification</b> <Mdiald>	[0..1]	Text		1201
	<b>Count</b> <Cnt>	[0..1]	Quantity		1201
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1201
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1201
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1202
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1202
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1202
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1202
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1202
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1203
	<b>Reference</b> <Ref>	[0..1]	Text		1203
	<b>AdditionalData</b> <AddtlData>	[0..*]			1203
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203

#### 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 1578

#### 31.4.3.3.10.5.4.2 Count <Cnt>

*Presence:* [0..1]

*Definition:* Number of deposit media.

*Datatype:* "Number" on page 1574

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1551

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 1578

#### 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 1525

#### 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 1575

#### 31.4.3.3.10.5.4.9 MediaStatus <MdiaSts>

*Presence:* [0..1]

*Definition:* Status of the deposit transaction.

*Datatype:* "ATMMediaStatus1Code" on page 1539

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 1578

#### 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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		1203
	<b>Value</b> <Val>	[0..1]	Text		1203

##### 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 1578

##### 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 1576

#### 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

#### 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 1574):

- *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 1574):

- *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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1205
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1206
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1206
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1206
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1210
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1210
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1211
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1211
	<b>Response</b> <Rspn>	[1..1]	Text		1211
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1211
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1211
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1211
	<b>Action</b> <Actn>	[0..*]			1211
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1212
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1212
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1213
	<b>Message</b> <Msg>	[0..1]	Text		1213
	<b>Reference</b> <Ref>	[0..1]	Text		1213
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1213
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1214
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1214
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1215
	<b>Amount</b> <Amt>	[1..1]	Amount		1216
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1216
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1216

#### 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 1563

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.

#### 31.4.3.3.14.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Result of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1206
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1206
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1210

#### 31.4.3.3.14.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

#### 31.4.3.3.14.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.

#### 31.4.3.3.14.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		1211
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		1211
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		1211
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		1211
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		1211

#### **31.4.3.3.14.3.1 ResponderIdentification <RspndrId>**

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### **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 1577

#### **31.4.3.3.14.3.3 Response <Rspn>**

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### **31.4.3.3.14.3.4 ResponseReason <RspnRsn>**

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### **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 1577

#### **31.4.3.3.14.4 AuthorisationCode <AuthstnCd>**

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### **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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1212
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1212
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1213
	<b>Message</b> <Msg>	[0..1]	Text		1213
	<b>Reference</b> <Ref>	[0..1]	Text		1213
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1213
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1214
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1214

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1213
	<b>Message</b> <Msg>	[0..1]	Text		1213
	<b>Reference</b> <Ref>	[0..1]	Text		1213
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1213
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1214

#### 31.4.3.3.14.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 31.4.3.3.14.5.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 31.4.3.3.14.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 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 1527

#### 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 1559

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.

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.

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1216
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1216
	<b>FeeLabel</b> <FeeLab/>	[0..1]	Text		1216

#### 31.4.3.3.14.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

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

*Presence:* [0..1]

*Definition:* Label of fee amount.

*Datatype:* "Max70Text" on page 1578

#### 31.4.3.3.15 ToBeReconciledMediaCounters <ToBeRcncldMdiaCntrs>

*Presence:* [0..\*]

*Definition:* Media unit not put in the safe. These deposits have to be reconciliated.

**ToBeReconciledMediaCounters <ToBeRcnclMdiaCntrs>** contains the following  
**ATMDepositedMedia4** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AccountSequenceNumber</b> <AcctSeqNb>	[0..1]	Quantity		1217
	<b>MediaType</b> <MdiaTp>	[1..1]	CodeSet		1217
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1218
	<b>Medialtem</b> <Mdialtm>	[1..*]			1218
	<b>Medialdentification</b> <Mdiald>	[0..1]	Text		1219
	<b>Count</b> <Cnt>	[0..1]	Quantity		1219
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1219
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1219
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1220
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1220
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1220
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1220
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1220
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1221
	<b>Reference</b> <Ref>	[0..1]	Text		1221
	<b>AdditionalData</b> <AddtlData>	[0..*]			1221
	<b>Name</b> <Nm>	[1..1]	Text		1221
	<b>Value</b> <Val>	[0..1]	Text		1221

#### 31.4.3.3.15.1 AccountSequenceNumber <AcctSeqNb>

*Presence:* [0..1]

*Definition:* Link to the account for multi-account deposit.

*Datatype:* "Number" on page 1574

#### 31.4.3.3.15.2 MediaType <MdiaTp>

*Presence:* [1..1]

*Definition:* Type of deposited media.

*Datatype:* "ATMMediaType4Code" on page 1540

CodeName	Name	Definition
CARD	Cards	Card media.
COIN	Coins	Coin media.
CMDT	Commodity	Non fixed value of the media, for instance gold, silver.

CodeName	Name	Definition
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 1539

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.

**MediaItem <Mdialtm>** contains the following **ATMDepositedMediaItem1** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MediaIdentification</b> <Mdiald>	[0..1]	Text		1219
	<b>Count</b> <Cnt>	[0..1]	Quantity		1219
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1219
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1219
	<b>CodeLineFormat</b> <CdLineFrmt>	[0..1]	CodeSet		1220
	<b>CodeLine</b> <CdLine>	[0..1]	Text		1220
	<b>ScannedValue</b> <ScnndVal>	[0..1]	Amount		1220
	<b>ConfidenceLevel</b> <CnfdncLvl>	[0..1]	Rate		1220
	<b>MediaStatus</b> <MdiaSts>	[0..1]	CodeSet		1220
	<b>RejectedReason</b> <RjctdRsn>	[0..1]	Text		1221
	<b>Reference</b> <Ref>	[0..1]	Text		1221
	<b>AdditionalData</b> <AddtlData>	[0..*]			1221
	<b>Name</b> <Nm>	[1..1]	Text		1221
	<b>Value</b> <Val>	[0..1]	Text		1221

#### 31.4.3.3.15.4.1 MediaIdentification <Mdiald>

*Presence:* [0..1]

*Definition:* Within a list of MediaItems uniquely identifies a specific item. Typically will be an integer index 0..n, where there are n Items in the list of MediaItems.

*Datatype:* "Max70Text" on page 1578

#### 31.4.3.3.15.4.2 Count <Cnt>

*Presence:* [0..1]

*Definition:* Number of deposit media.

*Datatype:* "Number" on page 1574

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1551

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 1578

#### 31.4.3.3.15.4.7 ScannedValue <ScndVal>

*Presence:* [0..1]

*Definition:* Check amount scanned by the check reader.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1575

#### 31.4.3.3.15.4.9 MediaStatus <MdiaSts>

*Presence:* [0..1]

*Definition:* Status of the deposit transaction.

*Datatype:* "ATMMediaStatus1Code" on page 1539



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 1578

#### 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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		1221
	<b>Value</b> <Val>	[0..1]	Text		1221

##### 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 1578

##### 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 1576

#### 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 1426 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MediaType <MdiaTp>	[0..1]	CodeSet		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1427
	ATMBalance <ATMBal>	[0..1]	Amount		1427
	ATMCurrent <ATMCur>	[0..1]	Amount		1427
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1427
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1428

#### 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
	<b>PhysicalIdentification</b> <PhysId>	[0..1]	Text		1224
	<b>LogicalIdentification</b> <LogcId>	[1..1]	Text		1224
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1224
	<b>Type</b> <Tp>	[1..1]	CodeSet		1224
	<b>SubType</b> <SubTp>	[0..*]	CodeSet		1224
	<b>MediaType</b> <MdiaTp>	[0..1]	CodeSet		1225
	<b>MediaCounters</b> <MdiaCntrs>	[0..*]			1225
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1226
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1226
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1227
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		1227
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		1227
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		1227
	<b>FlowTotals</b> <FlowTtls>	[0..*]			1227
	<b>Type</b> <Tp>	[1..1]	CodeSet		1228
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		1228
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		1229
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		1229
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		1229
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		1229
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		1229
	<b>RecycledNumber</b> <RcyclNb>	[0..1]	Quantity		1229
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		1229
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		1229
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		1230
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		1230
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		1230
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		1230
	<b>CassetteStatus</b> <CssttSts>	[0..1]	CodeSet		1230

#### 31.4.3.3.17.1 PhysicalIdentification <PhysId>

*Presence:* [0..1]

*Definition:* Physical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 31.4.3.3.17.2 LogicalIdentification <LogId>

*Presence:* [1..1]

*Definition:* Logical identification of the cassette for the ATM.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 31.4.3.3.17.4 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of cassette.

*Datatype:* "ATMCassetteType1Code" on page 1534

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 1540

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 1540

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
	<b>UnitValue</b> <UnitVal>	[0..1]	Amount		1226
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1226
	<b>MediaCategory</b> <MdiaCtgy>	[0..1]	CodeSet		1227
	<b>InitialCount</b> <InitlCnt>	[0..1]	Quantity		1227
	<b>CurrentNumber</b> <CurNb>	[1..1]	Quantity		1227
	<b>CurrentAmount</b> <CurAmt>	[0..1]	Amount		1227
	<b>FlowTotals</b> <FlowTtls>	[0..*]			1227
	<b>Type</b> <Tp>	[1..1]	CodeSet		1228
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		1228
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		1229
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		1229
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		1229
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		1229
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		1229
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		1229
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		1229
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		1229
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		1230
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		1230
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		1230
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		1230

#### 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 1525

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1539

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 1574

#### 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 1574

#### 31.4.3.3.17.7.6 CurrentAmount <CurAmt>

*Presence:* [0..1]

*Definition:* Current amount in the cassette.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		1228
	<b>AddedNumber</b> <AddedNb>	[0..1]	Quantity		1228
	<b>RemovedNumber</b> <RmvdNb>	[0..1]	Quantity		1229
	<b>RemovedAmount</b> <RmvdAmt>	[0..1]	Amount		1229
	<b>DispensedNumber</b> <DspnsdNb>	[0..1]	Quantity		1229
	<b>DepositedNumber</b> <DpstdNb>	[0..1]	Quantity		1229
	<b>DepositedAmount</b> <DpstdAmt>	[0..1]	Amount		1229
	<b>RecycledNumber</b> <RcycldNb>	[0..1]	Quantity		1229
	<b>RetractedNumber</b> <RtrctdNb>	[0..1]	Quantity		1229
	<b>RetractedAmount</b> <RtrctdAmt>	[0..1]	Amount		1229
	<b>RejectedNumber</b> <RjctdNb>	[0..1]	Quantity		1230
	<b>PresentedNumber</b> <PresntdNb>	[0..1]	Quantity		1230
	<b>InitialNumber</b> <InitlNb>	[0..1]	Quantity		1230
	<b>InitialAmount</b> <InitlAmt>	[0..1]	Amount		1230

#### 31.4.3.3.17.7.7.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of counters.

*Datatype:* "ATMCounterType3Code" on page 1537

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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### **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 1574

#### **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 1574

#### **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 1525

#### 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 1574

#### 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 1574

#### 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 1574

#### 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 1525

#### 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 1534

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 1526

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1231
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1231

### 31.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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]			
	<b>Header</b> <Hdr>	[1..1]			1235
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1236
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1236
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1238
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1238
	<b>ProtocolVersion</b> <PrtolVrsn>	[1..1]	Text		1238
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1238
	<b>ReTransmissionCounter</b> <ReTrnsmssnCntr>	[0..1]	Quantity		1238
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1239
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1239
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1239
	<b>ProcessState</b> <PrctStat>	[0..1]	Text		1239
	<b>Traceability</b> <Tracblt>	[0..*]			1239
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1239
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1240
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		1240
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1240
	<b>ProtectedATMDepositCompletionAcknowledgement</b> <PrctdATMDpstCmpltnAck>	[0..1]	±		1240
	<b>ATMDepositCompletionAcknowledgement</b> <ATMDpstCmpltnAck>	[0..1]			1240
	<b>ATM</b> <ATM>	[1..1]	±		1241
	<b>Context</b> <Cntxt>	[1..1]			1242
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1243
	<b>Service</b> <Svc>	[0..1]			1243
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1243
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1244
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1244
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1244
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1244

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1244
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1244
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1245
	<b>Transaction</b> <Tx>	[1..1]			1245
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1245
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1245
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1246
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1250
	<b>Command</b> <Cmd>	[0..*]			1250
	<b>Type</b> <Tp>	[1..1]	CodeSet		1250
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1251
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1251
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1251
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1251
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			1252
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1252
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1252

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1236
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1236
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1238
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1238
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		1238
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1238
	<b>ReTransmissionCounter</b> <ReTrnsmssnCnt>	[0..1]	Quantity		1238
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1239
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1239
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1239
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		1239
	<b>Traceability</b> <Tracblt>	[0..*]			1239
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1239
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1240
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		1240
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1240

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1236
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1238
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1238

#### 32.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559



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 1577

#### 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 1577

#### 32.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 32.4.1.3 ExchangeIdentification <Xchgld>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 32.4.1.4 ReTransmissionCounter <ReTrnsmsnCnt>

*Presence:* [0..1]

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

*Datatype:* "Number" on page 1574

### 32.4.1.5 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODatetime" on page 1572

### 32.4.1.6 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

### 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 1577

### 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 1577

### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1239
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1240
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		1240
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1240

#### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 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 1577

#### 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 1572

#### 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 1572

### 32.4.2 ProtectedATMDepositCompletionAcknowledgement <PrtctdATMDpstCmpltnAck>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMDepositCompletionAcknowledgement <PrtctdATMDpstCmpltnAck>** contains the following elements (see "[ContentInformationType10](#)" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>ATM</b> <ATM>	[1..1]	±		1241
	<b>Context</b> <Cntxt>	[1..1]			1242
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1243
	<b>Service</b> <Svc>	[0..1]			1243
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1243
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1244
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1244
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1244
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1244
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1244
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1244
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1245
	<b>Transaction</b> <Tx>	[1..1]			1245
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1245
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1245
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1246
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1250
	<b>Command</b> <Cmd>	[0..*]			1250
	<b>Type</b> <Tp>	[1..1]	CodeSet		1250
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1251
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1251
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1251
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1251

### 32.4.3.1 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine3" on page 1475 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

### 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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1243
	<b>Service</b> <Svc>	[0..1]			1243
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1243
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1244
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1244
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1244
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1244
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1244
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1244
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1245

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1243
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1244
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1244
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1244
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1244
	<b>CashBack</b> <CshBck>	[0..1]	Indicator		1244
	<b>MultiAccount</b> <MultiAcct>	[0..1]	Indicator		1244
	<b>PartialDeposit</b> <PrtlDpst>	[0..1]	Indicator		1245

##### 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 1577

#### 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 1577

#### 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 1577

#### 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 1545

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 1577

#### 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 1574):

- *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 1574):

- *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 1574):

- *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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1245
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1245
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1246
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1250
	<b>Command</b> <Cmd>	[0..*]			1250
	<b>Type</b> <Tp>	[1..1]	CodeSet		1250
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1251
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1251
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1251
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1251

##### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

##### 32.4.3.3.2 Response <Rspn>

*Presence:* [1..1]

*Definition:* Response to the advice.

*Datatype:* "Response12Code" on page 1565

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 1566

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><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 1526

#### 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
	<b>Type</b> <Tp>	[1..1]	CodeSet		1250
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1251
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1251
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1251
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1251

##### 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 1534

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 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <PrCr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1252
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1252

### 32.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## **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]			1261
	MessageFunction <MsgFctn>	[1..1]			1262
	Function <Fctn>	[1..1]	CodeSet		1262
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1264
	HostServiceCode <HstSvcCd>	[0..1]	Text		1264
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1264
	ExchangeIdentification <XchgId>	[1..1]	Text		1264
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1264
	InitiatingParty <InitgPty>	[1..1]	Text		1264
	RecipientParty <RcptPty>	[0..1]	Text		1265
	ProcessState <PrcStat>	[0..1]	Text		1265
	Traceability <Tracblt>	[0..*]			1265
	RelayIdentification <RlayId>	[1..1]	±		1265
	SequenceNumber <SeqNb>	[0..1]	Text		1265
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1266
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1266
	ProtectedATMTransferRequest <PrtctdATMTrfReq>	[0..1]	±		1266
	ATMTransferRequest <ATMTrfReq>	[0..1]			1266
	Environment <Envt>	[1..1]			1272
	Acquirer <Acqrr>	[0..1]	±		1275
	ATMManagerIdentification <ATMMgrId>	[0..1]	Text		1276
	HostingEntity <HstgNtty>	[0..1]	±		1276
	ATM <ATM>	[1..1]			1276
	Identification <Id>	[1..1]	Text		1278
	AdditionalIdentification <AddtlId>	[0..1]	Text		1278
	SequenceNumber <SeqNb>	[0..1]	Text		1278
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1279
	Location <Lctn>	[0..1]			1279
	AddressLine <AdrLine>	[0..2]	Text		1279

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1280
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1280
	<b>PostCode</b> <PstCd>	[0..1]	Text		1280
	<b>TownName</b> <TwnNm>	[1..1]	Text		1280
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1280
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1280
	<b>GeoLocation</b> <GLctn>	[0..1]			1280
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1281
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1281
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		1282
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1282
	<b>Capabilities</b> <Cpblties>	[0..1]			1282
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1283
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1283
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1284
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1284
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1284
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		1284
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1285
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1285
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1285
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1286
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1286
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1286
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1287
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1287
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1287

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		1287
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1287
	<b>Equipment</b> <Eqpmnt>	[0..1]			1287
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1288
	<b>Model</b> <Mdl>	[0..1]	Text		1288
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		1288
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1288
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		1288
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1289
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		1289
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1289
	<b>Type</b> <Tp>	[1..1]	CodeSet		1289
	<b>Version</b> <Vrsn>	[1..1]	Text		1290
	<b>Customer</b> <Cstmr>	[1..1]			1290
	<b>Profile</b> <Prfl>	[0..1]			1290
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1291
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1291
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1291
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1291
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1292
	<b>Authentication</b> <Authntcn>	[1..*]			1292
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		1292
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		1293
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		1293
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		1293
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		1293
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1294
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1294
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1295
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1295
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1295

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1295
	<b>Card</b> <Card>	[0..1]			1295
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1296
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		1297
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1297
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1297
	<b>PAN</b> <PAN>	[0..1]	Text		1298
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1298
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1298
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1298
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		1298
	<b>Track1</b> <Trck1>	[0..1]	Text		1299
	<b>Track2</b> <Trck2>	[0..1]	Text		1299
	<b>Track3</b> <Trck3>	[0..1]	Text		1299
	<b>CardholderName</b> <CrhdldrNm>	[0..1]	Text		1299
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1299
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1299
	<b>Context</b> <Cntxt>	[0..1]			1299
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1300
	<b>Service</b> <Svc>	[1..1]			1300
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1300
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1300
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1301
	<b>Transaction</b> <Tx>	[1..1]			1301
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		1304
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		1304
	<b>CreditorLabel</b> <CdtrLbl>	[0..1]	Text		1304
	<b>DebtorLabel</b> <DbtrLbl>	[0..1]	Text		1304
	<b>PaymentReference</b> <PmtRef>	[0..1]	Text		1304
	<b>AccountFrom</b> <AcctFr>	[0..1]			1305

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1305
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1306
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1306
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1307
	<b>Name</b> <Nm>	[1..1]	Text		1307
	<b>Address</b> <Adr>	[1..1]	±		1307
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1307
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1308
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1308
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1308
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1309
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1309
	<b>Identification</b> <Id>	[1..1]	Text		1309
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1309
Or}	<b>Email</b> <Email>	[1..1]	Text		1309
	<b>Servicer</b> <Svcr>	[0..1]			1309
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1310
	<b>ProtectedAccountFrom</b> <PrctcdAcctFr>	[0..1]	±		1310
	<b>AccountTo</b> <AcctTo>	[0..*]			1311
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1311
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1312
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1312
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1313
	<b>Name</b> <Nm>	[1..1]	Text		1313
	<b>Address</b> <Adr>	[1..1]	±		1313
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1313
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1314
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1314
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1314
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1315

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1315
	<b>Identification</b> <Id>	[1..1]	Text		1315
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1315
Or}	<b>Email</b> <Email>	[1..1]	Text		1315
	<b>Servicer</b> <Svcr>	[0..1]			1315
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1316
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1316
	<b>ProtectedAccountTo</b> <PrtctdAcctTo>	[0..1]	±		1316
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		1317
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1317
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1317
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1317
	<b>Fees</b> <Fees>	[0..*]			1318
	<b>Amount</b> <Amt>	[1..1]	Amount		1318
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1318
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1318
	<b>Label</b> <Labl>	[0..1]	Text		1319
	<b>Donation</b> <Dontn>	[0..*]			1319
	<b>Amount</b> <Amt>	[1..1]	Amount		1319
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1319
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1319
	<b>Label</b> <Labl>	[0..1]	Text		1320
	<b>RequestedExecutionDate</b> <ReqdExctnDt>	[0..1]	Date		1320
	<b>InstantTransferProgram</b> <InstntTrfPrgm>	[0..1]	Text		1320
	<b>RecurringTransfer</b> <RcrngTrf>	[0..1]			1320
	<b>StartDate</b> <StartDt>	[1..1]	Date		1320
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1320
	<b>EndDate</b> <EndDt>	[1..1]	Date		1321
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1321
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1321
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1321



Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		1321
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			1322
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1322
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1322

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1262
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1262
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1264
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1264
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		1264
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1264
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1264
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1264
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1265
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		1265
	<b>Traceability</b> <Tracblt>	[0..*]			1265
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1265
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1265
	<b>TraceDateTimeIn</b> <TracDtTmIn>	[1..1]	DateTime		1266
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1266

### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1262
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1264
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1264

#### 33.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 33.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 33.4.1.1.3 HostSERVICECODE <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 33.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 33.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 33.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 33.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1265
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1265
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		1266
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1266

##### 33.4.1.8.1 RelayIdentification <RlayId>

*Presence:* [1..1]

*Definition:* Identification of a partner of a message exchange.

**RelayIdentification <RlayId>** contains the following elements (see "GenericIdentification77" on page 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 33.4.2 ProtectedATMTransferRequest <PrtctdATMTrfReq>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMTransferRequest <PrtctdATMTrfReq>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			1272
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1275
	<b>ATMManagerIdentification</b> <ATMMgrId>	[0..1]	Text		1276
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1276
	<b>ATM</b> <ATM>	[1..1]			1276
	<b>Identification</b> <Id>	[1..1]	Text		1278
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1278
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1278
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1279
	<b>Location</b> <Lctn>	[0..1]			1279
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1279
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1280
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1280
	<b>PostCode</b> <PstCd>	[0..1]	Text		1280
	<b>TownName</b> <TwnNm>	[1..1]	Text		1280
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1280
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1280
	<b>GeoLocation</b> <GLctn>	[0..1]			1280
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1281
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1281
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		1282
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1282
	<b>Capabilities</b> <Cpblties>	[0..1]			1282
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1283
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1283
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1284
	<b>PINLengthCapabilities</b> <PINLngthCpblties>	[0..1]	Quantity		1284

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ApprovalCodeLength</b> <ApprvlCdLngth>	[0..1]	Quantity		1284
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		1284
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1285
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1285
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1285
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1286
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1286
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1286
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1287
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1287
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1287
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		1287
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1287
	<b>Equipment</b> <Eqpmnt>	[0..1]			1287
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1288
	<b>Model</b> <Mdl>	[0..1]	Text		1288
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		1288
	<b>ApplicationProvider</b> <AppIPrvdr>	[0..1]	Text		1288
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		1288
	<b>ApplicationVersion</b> <AppIVrsn>	[0..1]	Text		1289
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		1289
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			1289
	<b>Type</b> <Tp>	[1..1]	CodeSet		1289
	<b>Version</b> <Vrsn>	[1..1]	Text		1290
	<b>Customer</b> <Cstmr>	[1..1]			1290
	<b>Profile</b> <Prfl>	[0..1]			1290
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1291
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1291
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1291
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1291
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1292



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Authentication</b> <Authntcn>	[1..*]			1292
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		1292
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		1293
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		1293
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		1293
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		1293
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1294
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1294
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1295
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1295
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1295
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1295
	<b>Card</b> <Card>	[0..1]			1295
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1296
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		1297
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1297
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1297
	<b>PAN</b> <PAN>	[0..1]	Text		1298
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1298
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1298
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1298
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		1298
	<b>Track1</b> <Trck1>	[0..1]	Text		1299
	<b>Track2</b> <Trck2>	[0..1]	Text		1299
	<b>Track3</b> <Trck3>	[0..1]	Text		1299
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		1299
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1299
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1299
	<b>Context</b> <Cntxt>	[0..1]			1299
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1300
	<b>Service</b> <Svc>	[1..1]			1300

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1300
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1300
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1301
	<b>Transaction</b> <Tx>	[1..1]			1301
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1304
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1304
	<b>CreditorLabel</b> <CdtrLbl>	[0..1]	Text		1304
	<b>DebtorLabel</b> <DbtrLbl>	[0..1]	Text		1304
	<b>PaymentReference</b> <PmtRef>	[0..1]	Text		1304
	<b>AccountFrom</b> <AcctFr>	[0..1]			1305
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1305
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1306
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1306
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1307
	<b>Name</b> <Nm>	[1..1]	Text		1307
	<b>Address</b> <Adr>	[1..1]	±		1307
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1307
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1308
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1308
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1308
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1309
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1309
	<b>Identification</b> <Id>	[1..1]	Text		1309
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1309
Or}	<b>Email</b> <Email>	[1..1]	Text		1309
	<b>Servicer</b> <Svcr>	[0..1]			1309
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1310
	<b>ProtectedAccountFrom</b> <PrctdAcctFr>	[0..1]	±		1310
	<b>AccountTo</b> <AcctTo>	[0..*]			1311

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1311
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1312
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1312
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1313
	<b>Name</b> <Nm>	[1..1]	Text		1313
	<b>Address</b> <Adr>	[1..1]	±		1313
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1313
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1314
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1314
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1314
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1315
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1315
	<b>Identification</b> <Id>	[1..1]	Text		1315
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1315
Or}	<b>Email</b> <Email>	[1..1]	Text		1315
	<b>Servicer</b> <Svcr>	[0..1]			1315
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1316
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1316
	<b>ProtectedAccountTo</b> <PrctcdAcctTo>	[0..1]	±		1316
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		1317
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1317
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1317
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1317
	<b>Fees</b> <Fees>	[0..*]			1318
	<b>Amount</b> <Amt>	[1..1]	Amount		1318
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1318
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1318
	<b>Label</b> <Labl>	[0..1]	Text		1319
	<b>Donation</b> <Dontn>	[0..*]			1319
	<b>Amount</b> <Amt>	[1..1]	Amount		1319
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1319

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1319
	<b>Label</b> <Labl>	[0..1]	Text		1320
	<b>RequestedExecutionDate</b> <ReqdExctnDt>	[0..1]	Date		1320
	<b>InstantTransferProgram</b> <InstntTrfPrgm>	[0..1]	Text		1320
	<b>RecurringTransfer</b> <RcrngTrf>	[0..1]			1320
	<b>StartDate</b> <StartDt>	[1..1]	Date		1320
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1320
	<b>EndDate</b> <EndDt>	[1..1]	Date		1321
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1321
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1321
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1321
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1321

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1275
	<b>ATMManagerIdentification</b> <ATMMgrld>	[0..1]	Text		1276
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1276
	<b>ATM</b> <ATM>	[1..1]			1276
	<b>Identification</b> <Id>	[1..1]	Text		1278
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1278
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1278
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1279
	<b>Location</b> <Lctn>	[0..1]			1279
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1279
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1280
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1280
	<b>PostCode</b> <PstCd>	[0..1]	Text		1280
	<b>TownName</b> <TwnNm>	[1..1]	Text		1280
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1280
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1280
	<b>GeoLocation</b> <GLctn>	[0..1]			1280
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1281
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1281
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1282
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1282
	<b>Capabilities</b> <Cpblties>	[0..1]			1282
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1283
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1283
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1284
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1284
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1284

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MaxScriptLength</b> <MxScrpLngth>	[0..1]	Quantity		1284
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1285
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1285
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1285
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1286
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1286
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1286
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1287
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1287
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1287
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		1287
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1287
	<b>Equipment</b> <Eqpmnt>	[0..1]			1287
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1288
	<b>Model</b> <Mdl>	[0..1]	Text		1288
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1288
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1288
	<b>ApplicationName</b> <AppINm>	[0..1]	Text		1288
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1289
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		1289
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1289
	<b>Type</b> <Tp>	[1..1]	CodeSet		1289
	<b>Version</b> <Vrsn>	[1..1]	Text		1290
	<b>Customer</b> <Cstmr>	[1..1]			1290
	<b>Profile</b> <Prfl>	[0..1]			1290
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1291
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1291
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1291
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1291
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1292
	<b>Authentication</b> <Authntcn>	[1..*]			1292

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		1292
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		1293
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		1293
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		1293
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		1293
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1294
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1294
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1295
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1295
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1295
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1295
	<b>Card</b> <Card>	[0..1]			1295
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1296
	<b>FallbackIndicator</b> <FllbckInd>	[0..1]	Indicator		1297
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1297
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1297
	<b>PAN</b> <PAN>	[0..1]	Text		1298
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1298
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1298
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1298
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		1298
	<b>Track1</b> <Trck1>	[0..1]	Text		1299
	<b>Track2</b> <Trck2>	[0..1]	Text		1299
	<b>Track3</b> <Trck3>	[0..1]	Text		1299
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		1299
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1299
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1299

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 33.4.3.1.2 ATMMManagerIdentification <ATMMgrId>

*Presence:* [0..1]

*Definition:* Identification of the ATM manager.

*Datatype:* ["Max35Text"](#) on page 1577

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 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
	<b>Identification</b> <Id>	[1..1]	Text		1278
	<b>AdditionalIdentification</b> <AddtlId>	[0..1]	Text		1278
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1278
	<b>BaseCurrency</b> <BaseCcy>	[1..1]	CodeSet	C1	1279
	<b>Location</b> <Lctn>	[0..1]			1279
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1279
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1280
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1280
	<b>PostCode</b> <PstCd>	[0..1]	Text		1280
	<b>TownName</b> <TwnNm>	[1..1]	Text		1280
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1280
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1280
	<b>GeoLocation</b> <GLctn>	[0..1]			1280
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1281
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1281
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1282
	<b>LocationCategory</b> <LctnCtgy>	[0..1]	CodeSet		1282
	<b>Capabilities</b> <Cpbilities>	[0..1]			1282
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1283
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1283
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1284
	<b>PINLengthCapabilities</b> <PINLnghCpbilities>	[0..1]	Quantity		1284
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1284
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		1284
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1285
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1285
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1285

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1286
	<b>Destination</b> <Dstrn>	[1..*]	CodeSet		1286
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1286
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1287
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1287
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1287
	<b>InteractiveTransactions</b> <IntractvTxs>	[0..*]	Text		1287
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1287
	<b>Equipment</b> <Eqpmnt>	[0..1]			1287
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1288
	<b>Model</b> <Mdl>	[0..1]	Text		1288
	<b>SerialNumber</b> <SrlNb>	[0..1]	Text		1288
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1288
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		1288
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1289
	<b>ApprovalNumber</b> <ApprvlNb>	[0..1]	Text		1289
	<b>ConfigurationParameter</b> <CfgrtnParam>	[0..*]			1289
	<b>Type</b> <Tp>	[1..1]	CodeSet		1289
	<b>Version</b> <Vrsn>	[1..1]	Text		1290

#### 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 1577

#### 33.4.3.1.4.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 33.4.3.1.4.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>AddressLine</b> <AdrLine>	[0..2]	Text		1279
	<b>StreetName</b> <StrtNm>	[0..1]	Text		1280
	<b>BuildingNumber</b> <BldgNb>	[0..1]	Text		1280
	<b>PostCode</b> <PstCd>	[0..1]	Text		1280
	<b>TownName</b> <TwnNm>	[1..1]	Text		1280
	<b>CountrySubDivision</b> <CtrySubDvsn>	[0..2]	Text		1280
	<b>Country</b> <Ctry>	[1..1]	CodeSet	C3	1280
	<b>GeoLocation</b> <GLctn>	[0..1]			1280
{Or	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1281
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1281
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwrdr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwrdr>	[1..1]	Quantity		1282

##### 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 1578

#### **33.4.3.1.4.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

##### **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	<b>GeographicCoordinates</b> <GeogcCordints>	[1..1]			1281
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281
Or}	<b>UTMCoordinates</b> <UTMCordints>	[1..1]			1281
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		1282

#### 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
	<b>Latitude</b> <Lat>	[1..1]	Text		1281
	<b>Longitude</b> <Long>	[1..1]	Text		1281

##### 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 1576

##### 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 1576

##### 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
	<b>UTMZone</b> <UTMZone>	[1..1]	Text		1282
	<b>UTMEastward</b> <UTMEstwr>	[1..1]	Quantity		1282
	<b>UTMNorthward</b> <UTMNrthwr>	[1..1]	Quantity		1282

#### 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 1576

#### 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 1574

#### 33.4.3.1.4.5.8.2.3 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 1574

#### 33.4.3.1.4.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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 **PointOfInteractionCapabilities10** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CardReadData</b> <CardRdData>	[0..*]	CodeSet		1283
	<b>CardWriteData</b> <CardWrtData>	[0..*]	CodeSet		1283
	<b>Authentication</b> <Authntcn>	[0..*]	CodeSet		1284
	<b>PINLengthCapabilities</b> <PINLnghCpblties>	[0..1]	Quantity		1284
	<b>ApprovalCodeLength</b> <ApprvlCdLngh>	[0..1]	Quantity		1284
	<b>MaxScriptLength</b> <MxScrpLngh>	[0..1]	Quantity		1284
	<b>CardCaptureCapable</b> <CardCaptrCpbl>	[0..1]	Indicator		1285
	<b>WithdrawalMedia</b> <WdrwlMdia>	[0..*]	CodeSet		1285
	<b>DepositedMedia</b> <DpstdMdia>	[0..*]	CodeSet		1285
	<b>MessageCapabilities</b> <MsgCpblties>	[0..*]			1286
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1286
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1286
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1287
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1287
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1287
	<b>InteractiveTransactions</b> <IntractvTx>	[0..*]	Text		1287
	<b>ReceiptPrinting</b> <RctPrtg>	[0..1]	Indicator		1287

#### 33.4.3.1.4.7.1 CardReadData <CardRdData>

*Presence:* [0..\*]

*Definition:* Card reading capabilities of the ATM performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 33.4.3.1.4.7.2 CardWriteData <CardWrtData>

*Presence:* [0..\*]

*Definition:* Card writing capabilities of the terminal performing the transaction.

*Datatype:* "CardDataReading4Code" on page 1551

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.

#### 33.4.3.1.4.7.3 Authentication <Authntcn>

*Presence:* [0..\*]

*Definition:* Customer and card authentication capabilities available at the ATM.

*Datatype:* "CardholderVerificationCapability3Code" on page 1551

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.

#### 33.4.3.1.4.7.4 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 1574

#### 33.4.3.1.4.7.5 ApprovalCodeLength <ApprvlCdLngh>

*Presence:* [0..1]

*Definition:* Maximum number of characters of the approval code the ATM is able to manage.

*Datatype:* "Number" on page 1574

#### 33.4.3.1.4.7.6 MaxScriptLength <MxScripLngh>

*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 1574

#### 33.4.3.1.4.7.7 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 1574):

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

#### 33.4.3.1.4.7.8 WithdrawalMedia <WdrwlMdia>

*Presence:* [0..\*]

*Definition:* Type of media the ATM is able to dispense.

*Datatype:* "ATMMediaType1Code" on page 1539

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.

#### 33.4.3.1.4.7.9 DepositedMedia <DpstdMdia>

*Presence:* [0..\*]

*Definition:* Type of media the customer is able to deposit in the ATM.

*Datatype:* "ATMMediaType4Code" on page 1540

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.

CodeName	Name	Definition
ENVP	Envelope	One envelope containing unknown amounts of unknown items.
MLTP	Multiple	Multiple items either outside of envelope or in multiple envelopes.

### 33.4.3.1.4.7.10 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
	<b>Destination</b> <Dstn>	[1..*]	CodeSet		1286
	<b>AvailableFormat</b> <AvlblFrmt>	[0..*]	CodeSet		1286
	<b>NumberOfLines</b> <NbOfLines>	[0..1]	Quantity		1287
	<b>LineWidth</b> <LineWidth>	[0..1]	Quantity		1287
	<b>AvailableLanguage</b> <AvlblLang>	[0..*]	CodeSet	C5	1287

#### 33.4.3.1.4.7.10.1 Destination <Dstn>

*Presence:* [1..\*]

*Definition:* Destination of the message to present.

*Datatype:* "UserInterface5Code" on page 1571

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.

#### 33.4.3.1.4.7.10.2 AvailableFormat <AvlblFrmt>

*Presence:* [0..\*]

*Definition:* Available message format.

*Datatype:* "OutputFormat1Code" on page 1562

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.

#### 33.4.3.1.4.7.10.3 NumberOfLines <NbOfLines>

*Presence:* [0..1]

*Definition:* Number of lines of the display.

*Datatype:* "Number" on page 1574

#### 33.4.3.1.4.7.10.4 LineWidth <LineWidth>

*Presence:* [0..1]

*Definition:* Number of columns of the display or printer.

*Datatype:* "Number" on page 1574

#### 33.4.3.1.4.7.10.5 AvailableLanguage <AvlblLang>

*Presence:* [0..\*]

*Definition:* Available language for the message. Reference ISO 639-1 (alpha-2) et ISO 639-2 (alpha-3).

*Impacted by:* C5 "ValidationByTable"

*Datatype:* "LanguageCode" on page 1559

##### Constraints

- **ValidationByTable**

Must be a valid terrestrial language.

#### 33.4.3.1.4.7.11 InteractiveTransactions <IntractvTxs>

*Presence:* [0..\*]

*Definition:* Interactive Transaction Capabilities such as DCC, Fees, Accounts, etc. which the terminal can support.

*Datatype:* "Max256Text" on page 1577

#### 33.4.3.1.4.7.12 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 1574):

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

#### 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
	<b>Manufacturer</b> <Manfctr>	[0..1]	Text		1288
	<b>Model</b> <Mdl>	[0..1]	Text		1288
	<b>SerialNumber</b> <SrINb>	[0..1]	Text		1288
	<b>ApplicationProvider</b> <ApplPrvdr>	[0..1]	Text		1288
	<b>ApplicationName</b> <ApplNm>	[0..1]	Text		1288
	<b>ApplicationVersion</b> <ApplVrsn>	[0..1]	Text		1289
	<b>ApprovalNumber</b> <ApprvINb>	[0..1]	Text		1289
	<b>ConfigurationParameter</b> <CfgtnParam>	[0..*]			1289
	<b>Type</b> <Tp>	[1..1]	CodeSet		1289
	<b>Version</b> <Vrsn>	[1..1]	Text		1290

#### 33.4.3.1.4.8.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 33.4.3.1.4.8.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 33.4.3.1.4.8.3 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 33.4.3.1.4.8.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 33.4.3.1.4.8.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 33.4.3.1.4.8.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		1289
	<b>Version &lt;Vrsn&gt;</b>	[1..1]	Text		1290

##### 33.4.3.1.4.8.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

### 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
	<b>Profile</b> <Prfl>	[0..1]			1290
	<b>RetrievalMode</b> <RtrvlMd>	[1..1]	CodeSet		1291
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1291
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1291
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1291
	<b>SelectedLanguage</b> <SelctdLang>	[0..1]	CodeSet	C5	1292
	<b>Authentication</b> <Authntcn>	[1..*]			1292
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		1292
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		1293
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		1293
	<b>ProtectedAuthenticationValue</b> <PrtctdAuthntcnVal>	[0..1]	±		1293
	<b>CardholderOnLinePIN</b> <CrdhldrOnLinePIN>	[0..1]	±		1293
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1294
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1294
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1295
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1295
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1295
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1295

#### 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
	<b>RetrievalMode</b> <RtrvIMd>	[1..1]	CodeSet		1291
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1291
	<b>CustomerIdentification</b> <CstmrlId>	[0..1]	Text		1291
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1291

#### 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 1537

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 1577

#### 33.4.3.1.5.1.3 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

#### 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 1559

#### 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 1559

#### 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
	<b>AuthenticationMethod</b> <AuthntcnMtd>	[1..1]	CodeSet		1292
	<b>TokenRequested</b> <TknReqd>	[0..1]	Indicator		1293
	<b>AuthenticationValue</b> <AuthntcnVal>	[0..1]	Binary		1293
	<b>ProtectedAuthenticationValue</b> <PrctcdAuthntcnVal>	[0..1]	±		1293
	<b>CardholderOnLinePIN</b> <CrhdldrOnLinePIN>	[0..1]	±		1293

#### 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 1548

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 1574](#)):

- *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 1527](#)

#### 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 1522](#) for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	EncryptedPINBlock <NcrptdPINBlck>	[1..1]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

#### 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
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1294
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1295
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1295
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1295
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1295

##### 33.4.3.1.5.4.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 1571

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 1578

#### 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 1526

#### 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
	<b>CardDataEntryMode</b> <CardDataNtryMd>	[1..1]	CodeSet		1296
	<b>FallbackIndicator</b> <FlbckInd>	[0..1]	Indicator		1297
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1297
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1297
	<b>PAN</b> <PAN>	[0..1]	Text		1298
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1298
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1298
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1298
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		1298
	<b>Track1</b> <Trck1>	[0..1]	Text		1299
	<b>Track2</b> <Trck2>	[0..1]	Text		1299
	<b>Track3</b> <Trck3>	[0..1]	Text		1299
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		1299
	<b>CardCountryCode</b> <CardCtryCd>	[0..1]	Text		1299
	<b>CardCurrencyCode</b> <CardCcyCd>	[0..1]	Text		1299

### 33.4.3.1.6.1 CardDataEntryMode <CardDataNtryMd>

*Presence:* [1..1]

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

*Datatype:* "CardDataReading1Code" on page 1550

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 1574):

- *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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>PAN</b> <PAN>	[0..1]	Text		1298
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1298
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1298
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1298
	<b>ServiceCode</b> <SvcCd>	[0..1]	Text		1298
	<b>Track1</b> <Trck1>	[0..1]	Text		1299
	<b>Track2</b> <Trck2>	[0..1]	Text		1299
	<b>Track3</b> <Trck3>	[0..1]	Text		1299
	<b>CardholderName</b> <CrdhldrNm>	[0..1]	Text		1299

#### 33.4.3.1.6.4.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "Min8Max28NumericText" on page 1579

#### 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 1579

#### 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 1576

#### 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 1575

#### 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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **33.4.3.1.6.4.9 CardholderName <CrhdlrNm>**

*Presence:* [0..1]

*Definition:* Name of the cardholder stored on the card.

*Datatype:* "Max45Text" on page 1578

#### **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 1578

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1300
	<b>Service</b> <Svc>	[1..1]			1300
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1300
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1300
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1301

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1300
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1300
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1300
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1301

##### 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 1577

##### 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 1577

##### 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 1546

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1304
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1304
	<b>CreditorLabel</b> <CdtrLbl>	[0..1]	Text		1304
	<b>DebtorLabel</b> <DbtrLbl>	[0..1]	Text		1304
	<b>PaymentReference</b> <PmtRef>	[0..1]	Text		1304
	<b>AccountFrom</b> <AcctFr>	[0..1]			1305
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1305
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1306
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1306
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1307
	<b>Name</b> <Nm>	[1..1]	Text		1307
	<b>Address</b> <Adr>	[1..1]	±		1307
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1307
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1308
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1308
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1308
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1309
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1309
	<b>Identification</b> <Id>	[1..1]	Text		1309
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1309
Or}	<b>Email</b> <Email>	[1..1]	Text		1309
	<b>Servicer</b> <Svcr>	[0..1]			1309
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1310
	<b>ProtectedAccountFrom</b> <PrtctdAcctFr>	[0..1]	±		1310
	<b>AccountTo</b> <AcctTo>	[0..*]			1311
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1311
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1312
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1312
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1313
	<b>Name</b> <Nm>	[1..1]	Text		1313

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Address</b> <Adr>	[1..1]	±		1313
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1313
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1314
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1314
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1314
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1315
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1315
	<b>Identification</b> <Id>	[1..1]	Text		1315
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1315
Or}	<b>Email</b> <Email>	[1..1]	Text		1315
	<b>Servicer</b> <Svcr>	[0..1]			1315
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1316
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1316
	<b>ProtectedAccountTo</b> <PrtctdAcctTo>	[0..1]	±		1316
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		1317
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1317
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1317
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1317
	<b>Fees</b> <Fees>	[0..*]			1318
	<b>Amount</b> <Amt>	[1..1]	Amount		1318
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1318
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1318
	<b>Label</b> <Lbl>	[0..1]	Text		1319
	<b>Donation</b> <Dontn>	[0..*]			1319
	<b>Amount</b> <Amt>	[1..1]	Amount		1319
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1319
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1319
	<b>Label</b> <Lbl>	[0..1]	Text		1320
	<b>RequestedExecutionDate</b> <ReqdExctnDt>	[0..1]	Date		1320
	<b>InstantTransferProgram</b> <InstntTrfPrgm>	[0..1]	Text		1320
	<b>RecurringTransfer</b> <RcrngTrf>	[0..1]			1320

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>StartDate</b> <StartDt>	[1..1]	Date		1320
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1320
	<b>EndDate</b> <EndDt>	[1..1]	Date		1321
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1321
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1321
	<b>RequestedReceipt</b> <ReqdRct>	[0..1]	Indicator		1321
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1321

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 33.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* ["Max35Text"](#) on page 1577

#### 33.4.3.3.3 CreditorLabel <CdtrLbl>

*Presence:* [0..1]

*Definition:* Description of the transfer for the creditor.

*Datatype:* ["Max35Text"](#) on page 1577

#### 33.4.3.3.4 DebtorLabel <DbtrLbl>

*Presence:* [0..1]

*Definition:* Description of the transfer for the debtor.

*Datatype:* ["Max35Text"](#) on page 1577

#### 33.4.3.3.5 PaymentReference <PmtRef>

*Presence:* [0..1]

*Definition:* Reference of the payment.

*Datatype:* "Max35Text" on page 1577

### 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
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1305
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1306
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1306
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1307
	<b>Name</b> <Nm>	[1..1]	Text		1307
	<b>Address</b> <Adr>	[1..1]	±		1307
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1307
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1308
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1308
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1308
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1309
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1309
	<b>Identification</b> <Id>	[1..1]	Text		1309
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1309
Or}	<b>Email</b> <Email>	[1..1]	Text		1309
	<b>Servicer</b> <Svcr>	[0..1]			1309
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1310

#### 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 1527

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 1549

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 1578

#### 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
	<b>Name</b> <Nm>	[1..1]	Text		1307
	<b>Address</b> <Adr>	[1..1]	±		1307

##### 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 1578

##### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

##### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1308
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1308
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1309
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1309
	<b>Identification</b> <Id>	[1..1]	Text		1309
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1309
Or}	<b>Email</b> <Email>	[1..1]	Text		1309

#### 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 1573

#### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		1309

##### 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 1577

##### 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 1576

##### 33.4.3.3.6.6.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

##### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1310
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1310

#### 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 1572

##### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>SelectionMethod</b> <SelctnMtd>	[0..1]	CodeSet		1311
	<b>SelectedAccountType</b> <SelctdAcctTp>	[0..1]	CodeSet		1312
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1312
	<b>AccountOwner</b> <AcctOwnr>	[0..1]			1313
	<b>Name</b> <Nm>	[1..1]	Text		1313
	<b>Address</b> <Adr>	[1..1]	±		1313
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1313
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1314
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1314
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1314
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1315
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1315
	<b>Identification</b> <Id>	[1..1]	Text		1315
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1315
Or}	<b>Email</b> <Email>	[1..1]	Text		1315
	<b>Servicer</b> <Svcr>	[0..1]			1315
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1316
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1316

#### 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 1527

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 1549

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 1578

#### 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		1313
	Address <Adr>	[1..1]	±		1313

##### 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 1578

##### 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 1523 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AddressType <AdrTp>	[0..1]	CodeSet		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

##### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1314
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1314
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1315
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1315
	<b>Identification</b> <Id>	[1..1]	Text		1315
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1315
Or}	<b>Email</b> <Email>	[1..1]	Text		1315

#### 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 1573

## 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 1573

### 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 1573

### 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		1315

#### 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 1577

### 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 1576

### 33.4.3.3.8.6.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1316
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1316

#### 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 1572

#### 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 <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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522



### 33.4.3.3.10 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..1]

*Definition:* Amount of the transaction to be authorised.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

### 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
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1317
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1317
	<b>Fees</b> <Fees>	[0..*]			1318
	<b>Amount</b> <Amt>	[1..1]	Amount		1318
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1318
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1318
	<b>Label</b> <Labl>	[0..1]	Text		1319
	<b>Donation</b> <Dontn>	[0..*]			1319
	<b>Amount</b> <Amt>	[1..1]	Amount		1319
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1319
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1319
	<b>Label</b> <Labl>	[0..1]	Text		1320

#### 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 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1318
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1318
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1318
	<b>Label</b> <Labl>	[0..1]	Text		1319

#### 33.4.3.3.11.3.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574):

- *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 1578

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1319
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1319
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1319
	<b>Label</b> <Labl>	[0..1]	Text		1320

#### 33.4.3.3.11.4.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574):

- *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 1578

#### 33.4.3.3.12 RequestedExecutionDate <ReqdExctnDt>

*Presence:* [0..1]

*Definition:* Requested date of the execution of the transfer.

*Datatype:* "ISODate" on page 1572

#### 33.4.3.3.13 InstantTransferProgram <InstntTrfPrgm>

*Presence:* [0..1]

*Definition:* Identifies the instant transfer program.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>StartDate</b> <StartDt>	[1..1]	Date		1320
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1320
	<b>EndDate</b> <EndDt>	[1..1]	Date		1321
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1321
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1321

##### 33.4.3.3.14.1 StartDate <StartDt>

*Presence:* [1..1]

*Definition:* Date of first transfer.

*Datatype:* "ISODate" on page 1572

##### 33.4.3.3.14.2 NumberOfOccurrences <NbOfOcrncs>

*Presence:* [0..1]

*Definition:* Number of transfers to perform.

*Datatype:* "Number" on page 1574

#### 33.4.3.3.14.3 EndDate <EndDt>

*Presence:* [1..1]

*Definition:* Date of last transfer.

*Datatype:* "ISODate" on page 1572

#### 33.4.3.3.14.4 PeriodUnit <PrdUnit>

*Presence:* [0..1]

*Definition:* Period of the recurring transfer.

*Datatype:* "Frequency3Code" on page 1558

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 1574

#### 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 1574):

- *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 1526

## 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1322
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1322

### 33.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## **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]			1333
	MessageFunction <MsgFctn>	[1..1]			1334
	Function <Fctn>	[1..1]	CodeSet		1334
	ATMServiceCode <ATMSvcCd>	[0..1]	Text		1336
	HostServiceCode <HstSvcCd>	[0..1]	Text		1336
	ProtocolVersion <PrtcolVrsn>	[1..1]	Text		1336
	ExchangeIdentification <XchgId>	[1..1]	Text		1336
	CreationDateTime <CreDtTm>	[1..1]	DateTime		1336
	InitiatingParty <InitgPty>	[1..1]	Text		1336
	RecipientParty <RcptPty>	[0..1]	Text		1337
	ProcessState <PrcStat>	[0..1]	Text		1337
	Traceability <Tracblt>	[0..*]			1337
	RelayIdentification <RlayId>	[1..1]	±		1337
	SequenceNumber <SeqNb>	[0..1]	Text		1337
	TraceDateTimeln <TracDtTmln>	[1..1]	DateTime		1338
	TraceDateTimeOut <TracDtTmOut>	[1..1]	DateTime		1338
	ProtectedATMTransferResponse <PrtctdATMTrfRspn>	[0..1]	±		1338
	ATMTransferResponse <ATMTrfRspn>	[0..1]			1338
	Environment <Envt>	[1..1]			1346
	Acquirer <Acqrr>	[0..1]	±		1346
	ATMManager <ATMMgr>	[0..1]	±		1347
	HostingEntity <HstgNtty>	[0..1]	±		1347
	ATM <ATM>	[1..1]	±		1347
	Customer <Cstmr>	[1..1]			1348
	Profile <Prfl>	[0..1]			1349
	ProfileReference <PrflRef>	[0..1]	Text		1349
	CustomerIdentification <Cstmrlid>	[0..1]	Text		1349
	AuthenticationResult <AuthntcnRslt>	[0..*]			1349
	Method <Mtd>	[1..1]	CodeSet		1350

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1350
	<b>Result</b> <RsIt>	[0..1]	CodeSet		1351
	<b>AdditionalResult</b> <AddtlRsIt>	[0..1]	Text		1351
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1351
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1351
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1352
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1352
	<b>PAN</b> <PAN>	[0..1]	Text		1352
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1352
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1352
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1353
	<b>Track1</b> <Trck1>	[0..1]	Text		1353
	<b>Track2</b> <Trck2>	[0..1]	Text		1353
	<b>Track3</b> <Trck3>	[0..1]	Text		1353
	<b>Context</b> <Cntxt>	[1..1]			1353
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1354
	<b>Service</b> <Svc>	[1..1]			1354
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1354
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1354
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1355
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1355
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1355
	<b>Transaction</b> <Tx>	[1..1]			1355
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1361
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1362
	<b>CreditorLabel</b> <CdtrLbl>	[0..1]	Text		1362
	<b>DebtorLabel</b> <DbtrLbl>	[0..1]	Text		1362
	<b>TransferIdentifier</b> <Trfldr>	[0..1]	Text		1362
	<b>PaymentReference</b> <PmtRef>	[0..1]	Text		1362
	<b>TransactionResponse</b> <TxRspn>	[1..1]			1362
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1363

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1363
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1367
	<b>Action</b> <Actn>	[0..*]			1367
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1367
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1368
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1368
	<b>Message</b> <Msg>	[0..1]	Text		1369
	<b>Reference</b> <Ref>	[0..1]	Text		1369
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1369
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1369
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1369
	<b>AccountFrom</b> <AcctFr>	[0..1]			1371
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1372
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1373
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1373
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1374
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1374
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1374
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1375
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1375
	<b>Identification</b> <Id>	[1..1]	Text		1375
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1375
Or}	<b>Email</b> <Email>	[1..1]	Text		1375
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1375
	<b>Servicer</b> <Svcr>	[0..1]			1375
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1376
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1376
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1376
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1377
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1377
	<b>Date</b> <Dt>	[0..1]	Date		1377

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Label</b> <Labl>	[0..1]	Text		1377
	<b>BalanceAfter</b> <BalAftr>	[0..1]			1377
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1378
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1378
	<b>Date</b> <Dt>	[0..1]	Date		1378
	<b>Label</b> <Labl>	[0..1]	Text		1378
	<b>ProtectedAccountFrom</b> <PrctcdAcctFr>	[0..1]	±		1379
	<b>AccountTo</b> <AcctTo>	[0..*]			1379
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1380
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1381
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1381
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			1382
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1382
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1382
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1383
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1383
	<b>Identification</b> <Id>	[1..1]	Text		1383
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1383
Or}	<b>Email</b> <Email>	[1..1]	Text		1383
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1383
	<b>Servicer</b> <Svcr>	[0..1]			1383
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1384
Or}	<b>ProprietaryIdentification</b> <Prtryld>	[1..1]	±		1384
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1384
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1385
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1385
	<b>Date</b> <Dt>	[0..1]	Date		1385
	<b>Label</b> <Labl>	[0..1]	Text		1385
	<b>BalanceAfter</b> <BalAftr>	[0..1]			1385
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1386
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1386

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Date</b> <Dt>	[0..1]	Date		1386
	<b>Label</b> <Lbl>	[0..1]	Text		1386
	<b>ProtectedAccountTo</b> <PrtctdAcctTo>	[0..1]	±		1387
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..1]	±		1387
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		1387
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1387
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1388
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1388
	<b>Fees</b> <Fees>	[0..*]			1388
	<b>Amount</b> <Amt>	[1..1]	Amount		1389
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1389
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1389
	<b>Label</b> <Lbl>	[0..1]	Text		1389
	<b>Donation</b> <Dontn>	[0..*]			1389
	<b>Amount</b> <Amt>	[1..1]	Amount		1390
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1390
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1390
	<b>Label</b> <Lbl>	[0..1]	Text		1390
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]			1390
	<b>Amount</b> <Amt>	[1..1]	Amount		1391
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1391
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1391
	<b>Label</b> <Lbl>	[0..1]	Text		1391
	<b>Limits</b> <Lmts>	[0..1]			1391
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1392
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1392
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1392
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1392
	<b>Type</b> <Tp>	[1..1]	Text		1393
	<b>Amount</b> <Amt>	[1..1]	Amount		1393
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1393

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Label</b> <Lbl>	[0..1]	Text		1393
	<b>RequestedExecutionDate</b> <ReqdExctnDt>	[0..1]	Date		1393
	<b>ProposedExecutionDate</b> <PropsdExctnDt>	[0..1]	Date		1394
	<b>InstantTransferProgram</b> <InstntTrfPrgm>	[0..1]	Text		1394
	<b>RecurringTransfer</b> <RcrngTrf>	[0..1]			1394
	<b>StartDate</b> <StartDt>	[1..1]	Date		1394
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1394
	<b>EndDate</b> <EndDt>	[1..1]	Date		1394
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1394
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1395
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1395
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1396
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1397
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1397
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1397
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1401
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1401
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1402
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1402
	<b>Response</b> <Rspn>	[1..1]	Text		1402
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1402
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1402
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1402
	<b>Action</b> <Actn>	[0..*]			1402
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1403
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1403
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1404
	<b>Message</b> <Msg>	[0..1]	Text		1404
	<b>Reference</b> <Ref>	[0..1]	Text		1404
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1404
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1405

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1405
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1406
	<b>Amount</b> <Amt>	[1..1]	Amount		1407
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1407
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1407
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1407
	<b>Command</b> <Cmd>	[0..*]			1407
	<b>Type</b> <Tp>	[1..1]	CodeSet		1408
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1408
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1408
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1408
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1409
	<b>AccountInformation</b> <AcctInf>	[0..*]			1409
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1411
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1412
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1412
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1412
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1412
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1413
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1413
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1413
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1413
	<b>Identification</b> <Id>	[1..1]	Text		1414
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1414
Or}	<b>Email</b> <Email>	[1..1]	Text		1414
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1414
	<b>Servicer</b> <Svcr>	[0..1]			1414
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1414
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1415
	<b>Balance</b> <Bal>	[0..*]			1415
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1415

Or	MessageElement/BuildingBlock<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1416
	<b>Date</b> <Dt>	[0..1]	Date		1416
	<b>Label</b> <Labl>	[0..1]	Text		1416
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1416
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1416
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1417
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1418
	<b>Identification</b> <Id>	[1..1]	Text		1418
	<b>Label</b> <Labl>	[0..1]	Text		1418
	<b>Limits</b> <Lmts>	[0..*]			1418
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1419
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1419
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1419
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1419
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Labl>	[0..1]	Text		1420
	<b>SecurityTrailer</b> <SctyTrlr>	[0..1]			1420
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1421
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1421

## 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
	<b>MessageFunction</b> <MsgFctn>	[1..1]			1334
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1334
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1336
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1336
	<b>ProtocolVersion</b> <PrtcolVrsn>	[1..1]	Text		1336
	<b>ExchangeIdentification</b> <XchgId>	[1..1]	Text		1336
	<b>CreationDateTime</b> <CreDtTm>	[1..1]	DateTime		1336
	<b>InitiatingParty</b> <InitgPty>	[1..1]	Text		1336
	<b>RecipientParty</b> <RcptPty>	[0..1]	Text		1337
	<b>ProcessState</b> <PrcStat>	[0..1]	Text		1337
	<b>Traceability</b> <Tracblt>	[0..*]			1337
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1337
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1337
	<b>TraceDateTimeln</b> <TracDtTmIn>	[1..1]	DateTime		1338
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1338

#### 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
	<b>Function</b> <Fctn>	[1..1]	CodeSet		1334
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1336
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1336

##### 34.4.1.1.1 Function <Fctn>

*Presence:* [1..1]

*Definition:* Type of requested function.

*Datatype:* "MessageFunction11Code" on page 1559

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.

#### 34.4.1.1.2 ATMSERVICECODE <ATMSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 34.4.1.1.3 HostSERVICECODE <HstSvcCd>

*Presence:* [0..1]

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

*Datatype:* "Max35Text" on page 1577

#### 34.4.1.2 ProtocolVersion <PrtcolVrsn>

*Presence:* [1..1]

*Definition:* Version of the ATM protocol specifications.

*Datatype:* "Max6Text" on page 1578

#### 34.4.1.3 ExchangeIdentification <XchgId>

*Presence:* [1..1]

*Definition:* Unique identification of an exchange occurrence.

*Datatype:* "Max3NumericText" on page 1577

#### 34.4.1.4 CreationDateTime <CreDtTm>

*Presence:* [1..1]

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

*Datatype:* "ISODateTime" on page 1572

#### 34.4.1.5 InitiatingParty <InitgPty>

*Presence:* [1..1]

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

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 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 1577

#### 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
	<b>RelayIdentification</b> <RlayId>	[1..1]	±		1337
	<b>SequenceNumber</b> <SeqNb>	[0..1]	Text		1337
	<b>TraceDateTimeln</b> <TracDtTmln>	[1..1]	DateTime		1338
	<b>TraceDateTimeOut</b> <TracDtTmOut>	[1..1]	DateTime		1338

##### 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 1486 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

##### 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 1577

#### 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 1572

#### 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 1572

### 34.4.2 ProtectedATMTransferResponse <PrtctdATMTrfRspn>

*Presence:* [0..1]

*Definition:* Encrypted body of the message.

**ProtectedATMTransferResponse <PrtctdATMTrfRspn>** contains the following elements (see "ContentInformationType10" on page 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>Environment</b> <Envt>	[1..1]			1346
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1346
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		1347
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1347
	<b>ATM</b> <ATM>	[1..1]	±		1347
	<b>Customer</b> <Cstmr>	[1..1]			1348
	<b>Profile</b> <Prfl>	[0..1]			1349
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1349
	<b>CustomerIdentification</b> <Cstmrlid>	[0..1]	Text		1349
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1349
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1350
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1350
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1351
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1351
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1351
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1351
	<b>ProtectedCardData</b> <PrtctdCardData>	[0..1]	±		1352
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1352
	<b>PAN</b> <PAN>	[0..1]	Text		1352
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1352
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1352
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1353
	<b>Track1</b> <Trck1>	[0..1]	Text		1353
	<b>Track2</b> <Trck2>	[0..1]	Text		1353
	<b>Track3</b> <Trck3>	[0..1]	Text		1353
	<b>Context</b> <Cntxt>	[1..1]			1353
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1354
	<b>Service</b> <Svc>	[1..1]			1354
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1354
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1354
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1355

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1355
	<b>ServiceVariantIdentification</b> <SvcVarntld>	[0..*]	Text		1355
	<b>Transaction</b> <Tx>	[1..1]			1355
	<b>TransactionIdentification</b> <Txld>	[1..1]	±		1361
	<b>ReconciliationIdentification</b> <Rcncltnld>	[0..1]	Text		1362
	<b>CreditorLabel</b> <CdtrLabl>	[0..1]	Text		1362
	<b>DebtorLabel</b> <DbtrLabl>	[0..1]	Text		1362
	<b>TransferIdentifier</b> <Trfldr>	[0..1]	Text		1362
	<b>PaymentReference</b> <PmtRef>	[0..1]	Text		1362
	<b>TransactionResponse</b> <TxRspn>	[1..1]			1362
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1363
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1363
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1367
	<b>Action</b> <Actn>	[0..*]			1367
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1367
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1368
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1368
	<b>Message</b> <Msg>	[0..1]	Text		1369
	<b>Reference</b> <Ref>	[0..1]	Text		1369
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1369
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1369
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1369
	<b>AccountFrom</b> <AcctFr>	[0..1]			1371
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1372
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1373
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1373
	<b>AccountIdentifier</b> <Acctldr>	[0..1]			1374
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1374
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1374
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1375
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1375



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Identification</b> <Id>	[1..1]	Text		1375
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1375
Or}	<b>Email</b> <Email>	[1..1]	Text		1375
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1375
	<b>Servicer</b> <Svcr>	[0..1]			1375
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1376
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1376
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1376
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1377
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1377
	<b>Date</b> <Dt>	[0..1]	Date		1377
	<b>Label</b> <Lbl>	[0..1]	Text		1377
	<b>BalanceAfter</b> <BalAft>	[0..1]			1377
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1378
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1378
	<b>Date</b> <Dt>	[0..1]	Date		1378
	<b>Label</b> <Lbl>	[0..1]	Text		1378
	<b>ProtectedAccountFrom</b> <PrctdAcctFr>	[0..1]	±		1379
	<b>AccountTo</b> <AcctTo>	[0..*]			1379
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1380
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1381
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1381
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1382
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1382
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1382
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1383
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1383
	<b>Identification</b> <Id>	[1..1]	Text		1383
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1383
Or}	<b>Email</b> <Email>	[1..1]	Text		1383
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1383

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Servicer</b> <Svcr>	[0..1]			1383
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1384
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1384
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1384
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1385
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1385
	<b>Date</b> <Dt>	[0..1]	Date		1385
	<b>Label</b> <Lbl>	[0..1]	Text		1385
	<b>BalanceAfter</b> <BalAfr>	[0..1]			1385
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1386
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1386
	<b>Date</b> <Dt>	[0..1]	Date		1386
	<b>Label</b> <Lbl>	[0..1]	Text		1386
	<b>ProtectedAccountTo</b> <PrctcdAcctTo>	[0..1]	±		1387
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..1]	±		1387
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		1387
	<b>DetailedRequestedAmount</b> <DtldReqdAmt>	[0..1]			1387
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1388
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1388
	<b>Fees</b> <Fees>	[0..*]			1388
	<b>Amount</b> <Amt>	[1..1]	Amount		1389
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1389
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1389
	<b>Label</b> <Lbl>	[0..1]	Text		1389
	<b>Donation</b> <Dontn>	[0..*]			1389
	<b>Amount</b> <Amt>	[1..1]	Amount		1390
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1390
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1390
	<b>Label</b> <Lbl>	[0..1]	Text		1390
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]			1390
	<b>Amount</b> <Amt>	[1..1]	Amount		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1391
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1391
	<b>Label</b> <Labl>	[0..1]	Text		1391
	<b>Limits</b> <Lmts>	[0..1]			1391
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1392
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1392
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1392
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1392
	<b>Type</b> <Tp>	[1..1]	Text		1393
	<b>Amount</b> <Amt>	[1..1]	Amount		1393
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1393
	<b>Label</b> <Labl>	[0..1]	Text		1393
	<b>RequestedExecutionDate</b> <ReqdExctnDt>	[0..1]	Date		1393
	<b>ProposedExecutionDate</b> <PropsdExctnDt>	[0..1]	Date		1394
	<b>InstantTransferProgram</b> <InstntTrfPrgm>	[0..1]	Text		1394
	<b>RecurringTransfer</b> <RcrngTrf>	[0..1]			1394
	<b>StartDate</b> <StartDt>	[1..1]	Date		1394
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1394
	<b>EndDate</b> <EndDt>	[1..1]	Date		1394
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1394
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1395
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1395
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1396
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1397
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1397
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1397
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1401
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1401
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1402
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1402
	<b>Response</b> <Rspn>	[1..1]	Text		1402

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1402
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1402
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1402
	<b>Action</b> <Actn>	[0..*]			1402
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1403
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1403
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1404
	<b>Message</b> <Msg>	[0..1]	Text		1404
	<b>Reference</b> <Ref>	[0..1]	Text		1404
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1404
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1405
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1405
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1406
	<b>Amount</b> <Amt>	[1..1]	Amount		1407
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1407
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1407
	<b>ICCRelatedData</b> <ICCRltdData>	[0..1]	Binary		1407
	<b>Command</b> <Cmd>	[0..*]			1407
	<b>Type</b> <Tp>	[1..1]	CodeSet		1408
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1408
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1408
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1408
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1409
	<b>AccountInformation</b> <AcctInf>	[0..*]			1409
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1411
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1412
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1412
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1412
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1412
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1413
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1413

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1413
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1413
	<b>Identification</b> <Id>	[1..1]	Text		1414
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1414
Or}	<b>Email</b> <Email>	[1..1]	Text		1414
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1414
	<b>Servicer</b> <Svcr>	[0..1]			1414
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1414
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1415
	<b>Balance</b> <Bal>	[0..*]			1415
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1415
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1416
	<b>Date</b> <Dt>	[0..1]	Date		1416
	<b>Label</b> <Lbl>	[0..1]	Text		1416
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1416
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1416
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1417
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1418
	<b>Identification</b> <Id>	[1..1]	Text		1418
	<b>Label</b> <Lbl>	[0..1]	Text		1418
	<b>Limits</b> <Lmts>	[0..*]			1418
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1419
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1419
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1419
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1419
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Lbl>	[0..1]	Text		1420

### 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
	<b>Acquirer</b> <Acqrr>	[0..1]	±		1346
	<b>ATMManager</b> <ATMMgr>	[0..1]	±		1347
	<b>HostingEntity</b> <HstgNtty>	[0..1]	±		1347
	<b>ATM</b> <ATM>	[1..1]	±		1347
	<b>Customer</b> <Cstmr>	[1..1]			1348
	<b>Profile</b> <Prfl>	[0..1]			1349
	<b>ProfileReference</b> <PrflRef>	[0..1]	Text		1349
	<b>CustomerIdentification</b> <Cstmrlid>	[0..1]	Text		1349
	<b>AuthenticationResult</b> <AuthntcnRslt>	[0..*]			1349
	<b>Method</b> <Mtd>	[1..1]	CodeSet		1350
	<b>VerificationEntity</b> <VrfctnNtty>	[0..1]	CodeSet		1350
	<b>Result</b> <Rslt>	[0..1]	CodeSet		1351
	<b>AdditionalResult</b> <AddtlRslt>	[0..1]	Text		1351
	<b>AuthenticationToken</b> <AuthntcnTkn>	[0..1]	Binary		1351
	<b>PreferredLanguage</b> <PrefrdLang>	[0..1]	CodeSet	C5	1351
	<b>ProtectedCardData</b> <PrctcdCardData>	[0..1]	±		1352
	<b>PlainCardData</b> <PlainCardData>	[0..1]			1352
	<b>PAN</b> <PAN>	[0..1]	Text		1352
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1352
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1352
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1353
	<b>Track1</b> <Trck1>	[0..1]	Text		1353
	<b>Track2</b> <Trck2>	[0..1]	Text		1353
	<b>Track3</b> <Trck3>	[0..1]	Text		1353

#### 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 1423 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AcquiringInstitution <AcqrgInstn>	[0..1]	Text		1423
	Branch <Brnch>	[0..1]	Text		1423

#### 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1423
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1423

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 34.4.3.1.4 ATM <ATM>

*Presence:* [1..1]

*Definition:* ATM information.

**ATM <ATM>** contains the following elements (see "AutomatedTellerMachine2" on page 1458 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1459
	AdditionalIdentification <AddtlId>	[0..1]	Text		1459
	SequenceNumber <SeqNb>	[0..1]	Text		1459
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1460
	Location <Lctn>	[0..1]			1460
	AddressLine <AdrLine>	[0..2]	Text		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

#### 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
	<b>Profile &lt;Prfl&gt;</b>	[0..1]			1349
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		1349
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		1349
	<b>AuthenticationResult &lt;AuthntcnRslt&gt;</b>	[0..*]			1349
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		1350
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		1350
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		1351
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		1351
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		1351
	<b>PreferredLanguage &lt;PrefrdLang&gt;</b>	[0..1]	CodeSet	C5	1351

#### 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
	<b>ProfileReference &lt;PrflRef&gt;</b>	[0..1]	Text		1349
	<b>CustomerIdentification &lt;CstmrlId&gt;</b>	[0..1]	Text		1349

##### 34.4.3.1.5.1.1 ProfileReference <PrflRef>

*Presence:* [0..1]

*Definition:* Reference of the customer profile.

*Datatype:* "Max35Text" on page 1577

##### 34.4.3.1.5.1.2 CustomerIdentification <CstmrlId>

*Presence:* [0..1]

*Definition:* Identification of the customer for the bank.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Method &lt;Mtd&gt;</b>	[1..1]	CodeSet		1350
	<b>VerificationEntity &lt;VrfctnNtty&gt;</b>	[0..1]	CodeSet		1350
	<b>Result &lt;Rslt&gt;</b>	[0..1]	CodeSet		1351
	<b>AdditionalResult &lt;AddtlRslt&gt;</b>	[0..1]	Text		1351
	<b>AuthenticationToken &lt;AuthntcnTkn&gt;</b>	[0..1]	Binary		1351

#### 34.4.3.1.5.2.1 Method <Mtd>

*Presence:* [1..1]

*Definition:* Method of verification that has been performed.

*Datatype:* "AuthenticationMethod7Code" on page 1548

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 1548

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 <RsIt>

*Presence:* [0..1]

*Definition:* Result of the verification.

*Datatype:* "Verification1Code" on page 1571

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 <AddtlRsIt>

*Presence:* [0..1]

*Definition:* Additional result of the verification.

*Datatype:* "Max500Text" on page 1578

#### 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 1526

#### 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 1559

## 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 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
	<b>PAN</b> <PAN>	[0..1]	Text		1352
	<b>CardSequenceNumber</b> <CardSeqNb>	[0..1]	Text		1352
	<b>EffectiveDate</b> <FctvDt>	[0..1]	Text		1352
	<b>ExpiryDate</b> <XpryDt>	[0..1]	Text		1353
	<b>Track1</b> <Trck1>	[0..1]	Text		1353
	<b>Track2</b> <Trck2>	[0..1]	Text		1353
	<b>Track3</b> <Trck3>	[0..1]	Text		1353

#### 34.4.3.1.7.1 PAN <PAN>

*Presence:* [0..1]

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

*Datatype:* "[Min8Max28NumericText](#)" on page 1579

#### 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 1579

#### 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 1576

#### **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 1575

#### **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 1579

#### **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 1577

#### **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 1575

#### **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
	<b>SessionReference</b> <SsnRef>	[0..1]	Text		1354
	<b>Service</b> <Svc>	[1..1]			1354
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1354
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1354
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1355
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1355
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1355

#### 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 1577

#### 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
	<b>ServiceReference</b> <SvcRef>	[0..1]	Text		1354
	<b>ATMServiceCode</b> <ATMSvcCd>	[0..1]	Text		1354
	<b>HostServiceCode</b> <HstSvcCd>	[0..1]	Text		1355
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1355
	<b>ServiceVariantIdentification</b> <SvcVarntId>	[0..*]	Text		1355

##### 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 1577

##### 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 1577

#### 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 1577

#### 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 1546

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 1577

#### 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
	<b>TransactionIdentification</b> <TxId>	[1..1]	±		1361
	<b>ReconciliationIdentification</b> <RcncltnId>	[0..1]	Text		1362
	<b>CreditorLabel</b> <CdtrLbl>	[0..1]	Text		1362
	<b>DebtorLabel</b> <DbtrLbl>	[0..1]	Text		1362
	<b>TransferIdentifier</b> <TrfIdr>	[0..1]	Text		1362
	<b>PaymentReference</b> <PmtRef>	[0..1]	Text		1362
	<b>TransactionResponse</b> <TxRspn>	[1..1]			1362
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1363
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1363
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1367
	<b>Action</b> <Actn>	[0..*]			1367
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1367
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1368
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1368
	<b>Message</b> <Msg>	[0..1]	Text		1369
	<b>Reference</b> <Ref>	[0..1]	Text		1369
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1369
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1369
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1369
	<b>AccountFrom</b> <AcctFr>	[0..1]			1371
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1372
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1373
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1373
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1374
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1374
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1374
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1375
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1375
	<b>Identification</b> <Id>	[1..1]	Text		1375
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1375
Or}	<b>Email</b> <Email>	[1..1]	Text		1375



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1375
	<b>Servicer</b> <Svcr>	[0..1]			1375
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1376
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1376
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1376
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1377
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1377
	<b>Date</b> <Dt>	[0..1]	Date		1377
	<b>Label</b> <Lbl>	[0..1]	Text		1377
	<b>BalanceAfter</b> <BalAfr>	[0..1]			1377
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1378
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1378
	<b>Date</b> <Dt>	[0..1]	Date		1378
	<b>Label</b> <Lbl>	[0..1]	Text		1378
	<b>ProtectedAccountFrom</b> <PrctdAcctFr>	[0..1]	±		1379
	<b>AccountTo</b> <AcctTo>	[0..*]			1379
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1380
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1381
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1381
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1382
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1382
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1382
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1383
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1383
	<b>Identification</b> <Id>	[1..1]	Text		1383
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1383
Or}	<b>Email</b> <Email>	[1..1]	Text		1383
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1383
	<b>Servicer</b> <Svcr>	[0..1]			1383
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1384
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1384

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1384
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1385
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1385
	<b>Date</b> <Dt>	[0..1]	Date		1385
	<b>Label</b> <Lbl>	[0..1]	Text		1385
	<b>BalanceAfter</b> <BalAft>	[0..1]			1385
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1386
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1386
	<b>Date</b> <Dt>	[0..1]	Date		1386
	<b>Label</b> <Lbl>	[0..1]	Text		1386
	<b>ProtectedAccountTo</b> <PrtctdAcctTo>	[0..1]	±		1387
	<b>TotalAuthorisedAmount</b> <TtlAuthrsdAmt>	[1..1]	±		1387
	<b>TotalRequestedAmount</b> <TtlReqdAmt>	[0..1]	Amount		1387
	<b>DetailedRequestedAmount</b> <DtlReqdAmt>	[0..1]			1387
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1388
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1388
	<b>Fees</b> <Fees>	[0..*]			1388
	<b>Amount</b> <Amt>	[1..1]	Amount		1389
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1389
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1389
	<b>Label</b> <Lbl>	[0..1]	Text		1389
	<b>Donation</b> <Dontn>	[0..*]			1389
	<b>Amount</b> <Amt>	[1..1]	Amount		1390
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1390
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1390
	<b>Label</b> <Lbl>	[0..1]	Text		1390
	<b>AdditionalCharge</b> <AddtlChrg>	[0..*]			1390
	<b>Amount</b> <Amt>	[1..1]	Amount		1391
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1391
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1391
	<b>Label</b> <Lbl>	[0..1]	Text		1391

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Limits</b> <Lmts>	[0..1]			1391
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1392
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1392
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1392
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1392
	<b>Type</b> <Tp>	[1..1]	Text		1393
	<b>Amount</b> <Amt>	[1..1]	Amount		1393
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1393
	<b>Label</b> <Labl>	[0..1]	Text		1393
	<b>RequestedExecutionDate</b> <ReqdExctnDt>	[0..1]	Date		1393
	<b>ProposedExecutionDate</b> <PropsdExctnDt>	[0..1]	Date		1394
	<b>InstantTransferProgram</b> <InstntTrfPrgm>	[0..1]	Text		1394
	<b>RecurringTransfer</b> <RcrngTrf>	[0..1]			1394
	<b>StartDate</b> <StartDt>	[1..1]	Date		1394
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1394
	<b>EndDate</b> <EndDt>	[1..1]	Date		1394
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1394
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1395
	<b>AuthorisationResult</b> <AuthstnRslt>	[0..1]			1395
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1396
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1397
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1397
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1397
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1401
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1401
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1402
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1402
	<b>Response</b> <Rspn>	[1..1]	Text		1402
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1402
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1402
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1402

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Action</b> <Actn>	[0..*]			1402
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1403
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1403
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1404
	<b>Message</b> <Msg>	[0..1]	Text		1404
	<b>Reference</b> <Ref>	[0..1]	Text		1404
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1404
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1405
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1405
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1406
	<b>Amount</b> <Amt>	[1..1]	Amount		1407
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1407
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1407
	<b>ICCRRelatedData</b> <ICCRltdData>	[0..1]	Binary		1407
	<b>Command</b> <Cmd>	[0..*]			1407
	<b>Type</b> <Tp>	[1..1]	CodeSet		1408
	<b>Urgency</b> <Urgcy>	[1..1]	CodeSet		1408
	<b>DateTime</b> <DtTm>	[0..1]	DateTime		1408
	<b>CommandIdentification</b> <CmdId>	[0..1]	±		1408
	<b>CommandParameters</b> <CmdParams>	[0..1]	±		1409
	<b>AccountInformation</b> <AcctInf>	[0..*]			1409
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1411
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1412
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1412
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1412
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1412
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1413
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1413
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1413
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1413
	<b>Identification</b> <Id>	[1..1]	Text		1414

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1414
Or}	<b>Email</b> <Email>	[1..1]	Text		1414
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1414
	<b>Servicer</b> <Svcr>	[0..1]			1414
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1414
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1415
	<b>Balance</b> <Bal>	[0..*]			1415
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1415
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1416
	<b>Date</b> <Dt>	[0..1]	Date		1416
	<b>Label</b> <Lbl>	[0..1]	Text		1416
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1416
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1416
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1417
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1418
	<b>Identification</b> <Id>	[1..1]	Text		1418
	<b>Label</b> <Lbl>	[0..1]	Text		1418
	<b>Limits</b> <Lmts>	[0..*]			1418
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1419
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1419
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1419
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1419
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Lbl>	[0..1]	Text		1420

#### 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 1488 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	TransactionDateTime <TxDtTm>	[1..1]	DateTime		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 34.4.3.3.2 ReconciliationIdentification <RcncltnId>

*Presence:* [0..1]

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

*Datatype:* ["Max35Text"](#) on page 1577

#### 34.4.3.3.3 CreditorLabel <CdtrLbl>

*Presence:* [0..1]

*Definition:* Description of the transfer for the creditor.

*Datatype:* ["Max35Text"](#) on page 1577

#### 34.4.3.3.4 DebtorLabel <DbtrLbl>

*Presence:* [0..1]

*Definition:* Description of the transfer for the debtor.

*Datatype:* ["Max35Text"](#) on page 1577

#### 34.4.3.3.5 TransferIdentifier <Trfldr>

*Presence:* [0..1]

*Definition:* Identifier of the approved transfer transaction for the bank.

*Datatype:* ["Max70Text"](#) on page 1578

#### 34.4.3.3.6 PaymentReference <PmtRef>

*Presence:* [0..1]

*Definition:* Reference of the payment.

*Datatype:* ["Max35Text"](#) on page 1577

#### 34.4.3.3.7 TransactionResponse <TxRspn>

*Presence:* [1..1]

*Definition:* Result of the fund transfer request.

**TransactionResponse <TxRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1363
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1363
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1367

#### 34.4.3.3.7.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

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.

#### 34.4.3.3.7.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.

CodeName	Name	Definition
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.
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.



CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.

#### 34.4.3.3.7.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1367
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1368
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1368
	<b>Message</b> <Msg>	[0..1]	Text		1369
	<b>Reference</b> <Ref>	[0..1]	Text		1369
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1369
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1369
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1369

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1368
	<b>Message</b> <Msg>	[0..1]	Text		1369
	<b>Reference</b> <Ref>	[0..1]	Text		1369
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1369
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1369

##### 34.4.3.3.8.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 34.4.3.3.8.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 34.4.3.3.8.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 34.4.3.3.8.2.5 MessageContentSignature <MsgCnttSgntr>

*Presence:* [0..1]

*Definition:* Electronic signature of the message to display or print.

*Datatype:* "Max35Binary" on page 1527

#### 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 1559

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.

#### 34.4.3.3.9 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
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1372
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1373
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1373
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1374
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1374
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1374
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1375
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1375
	<b>Identification</b> <Id>	[1..1]	Text		1375
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1375
Or}	<b>Email</b> <Email>	[1..1]	Text		1375
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1375
	<b>Servicer</b> <Svcr>	[0..1]			1375
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1376
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1376
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1376
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1377
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1377
	<b>Date</b> <Dt>	[0..1]	Date		1377
	<b>Label</b> <Lbl>	[0..1]	Text		1377
	<b>BalanceAfter</b> <BalAfr>	[0..1]			1377
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1378
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1378
	<b>Date</b> <Dt>	[0..1]	Date		1378
	<b>Label</b> <Lbl>	[0..1]	Text		1378

#### 34.4.3.3.9.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1549

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 1578

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1374
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1374
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1375
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1375
	<b>Identification</b> <Id>	[1..1]	Text		1375
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1375
Or}	<b>Email</b> <Email>	[1..1]	Text		1375

#### 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 1573

## 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 1573

#### 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:* "UPICIIdentifier" on page 1573

#### 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		1375

#### 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 1577

#### 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 1576

#### 34.4.3.3.9.4.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 34.4.3.3.9.5 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1376
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1376

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1377
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1377
	<b>Date</b> <Dt>	[0..1]	Date		1377
	<b>Label</b> <Labl>	[0..1]	Text		1377

#### 34.4.3.3.9.7.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 34.4.3.3.9.8 BalanceAfter <BalAftr>

*Presence:* [0..1]

*Definition:* Balance of the account after the transfer.

**BalanceAfter <BalAftr>** contains the following **AmountAndDirection111** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1378
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1378
	<b>Date</b> <Dt>	[0..1]	Date		1378
	<b>Label</b> <Labl>	[0..1]	Text		1378

#### 34.4.3.3.9.8.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 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
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1380
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1381
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1381
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1382
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1382
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1382
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1383
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1383
	<b>Identification</b> <Id>	[1..1]	Text		1383
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1383
Or}	<b>Email</b> <Email>	[1..1]	Text		1383
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1383
	<b>Servicer</b> <Svcr>	[0..1]			1383
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1384
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1384
	<b>BalanceBefore</b> <BalBfr>	[0..1]			1384
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1385
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1385
	<b>Date</b> <Dt>	[0..1]	Date		1385
	<b>Label</b> <Lbl>	[0..1]	Text		1385
	<b>BalanceAfter</b> <BalAfr>	[0..1]			1385
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1386
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1386
	<b>Date</b> <Dt>	[0..1]	Date		1386
	<b>Label</b> <Lbl>	[0..1]	Text		1386

#### 34.4.3.3.11.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1549

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 1578

#### 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 1529

## Constraints

### • ActiveCurrency

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1382
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1382
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1383
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1383
	<b>Identification</b> <Id>	[1..1]	Text		1383
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1383
Or}	<b>Email</b> <Email>	[1..1]	Text		1383

#### 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 1573

## 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 1573

#### 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 1573

#### 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		1383

##### 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 1577

##### 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 1576

##### 34.4.3.3.11.4.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

##### 34.4.3.3.11.5 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

##### 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	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1384
Or}	<b>ProprietaryIdentification</b> <Prtryld>	[1..1]	±		1384

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1385
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1385
	<b>Date</b> <Dt>	[0..1]	Date		1385
	<b>Label</b> <Labl>	[0..1]	Text		1385

#### 34.4.3.3.11.7.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 34.4.3.3.11.8 BalanceAfter <BalAft>

*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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1386
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1386
	<b>Date</b> <Dt>	[0..1]	Date		1386
	<b>Label</b> <Labl>	[0..1]	Text		1386

#### 34.4.3.3.11.8.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

##### 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 1574):

- *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 1572

#### 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 1578

#### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 34.4.3.3.13 TotalAuthorisedAmount <TtlAuthrsdAmt>

*Presence:* [1..1]

*Definition:* Total authorised amount.

**TotalAuthorisedAmount <TtlAuthrsdAmt>** contains the following elements (see  
"AmountAndCurrency1" on page 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 34.4.3.3.14 TotalRequestedAmount <TtlReqdAmt>

*Presence:* [0..1]

*Definition:* Total requested amount.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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
	<b>AmountToTransfer</b> <AmtToTrf>	[1..1]	Amount		1388
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1388
	<b>Fees</b> <Fees>	[0..*]			1388
	<b>Amount</b> <Amt>	[1..1]	Amount		1389
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1389
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1389
	<b>Label</b> <Labl>	[0..1]	Text		1389
	<b>Donation</b> <Dontn>	[0..*]			1389
	<b>Amount</b> <Amt>	[1..1]	Amount		1390
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1390
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1390
	<b>Label</b> <Labl>	[0..1]	Text		1390

#### 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 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1389
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1389
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1389
	<b>Label</b> <Labl>	[0..1]	Text		1389

#### 34.4.3.3.15.3.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574):

- *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 1578

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1390
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1390
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1390
	<b>Label</b> <Labl>	[0..1]	Text		1390

#### 34.4.3.3.15.4.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574):

- *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 1578

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1391
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1391
	<b>ChargeAccountTo</b> <ChrgAcctTo>	[0..1]	Indicator		1391
	<b>Label</b> <Labl>	[0..1]	Text		1391

#### 34.4.3.3.16.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 34.4.3.3.16.2 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency of the amount.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574):

- *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 1578

#### 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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1392
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1392
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1392
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1392
	<b>Type</b> <Tp>	[1..1]	Text		1393
	<b>Amount</b> <Amt>	[1..1]	Amount		1393
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1393
	<b>Label</b> <Labl>	[0..1]	Text		1393

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	Text		1393
	<b>Amount &lt;Amt&gt;</b>	[1..1]	Amount		1393
	<b>Currency &lt;Ccy&gt;</b>	[0..1]	CodeSet	C1	1393
	<b>Label &lt;Labl&gt;</b>	[0..1]	Text		1393

#### 34.4.3.3.17.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 34.4.3.3.17.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 34.4.3.3.18 RequestedExecutionDate <ReqdExctnDt>

*Presence:* [0..1]

*Definition:* Requested date of the execution of the transfer.

*Datatype:* "ISODate" on page 1572

#### 34.4.3.3.19 ProposedExecutionDate <PropsdExctnDt>

*Presence:* [0..1]

*Definition:* Proposed date of the execution of the transfer.

*Datatype:* "ISODate" on page 1572

#### 34.4.3.3.20 InstantTransferProgram <InstntTrfPrgm>

*Presence:* [0..1]

*Definition:* Identifies the instant transfer program.

*Datatype:* "Max35Text" on page 1577

#### 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
	<b>StartDate</b> <StartDt>	[1..1]	Date		1394
	<b>NumberOfOccurrences</b> <NbOfOcrncs>	[0..1]	Quantity		1394
	<b>EndDate</b> <EndDt>	[1..1]	Date		1394
	<b>PeriodUnit</b> <PrdUnit>	[0..1]	CodeSet		1394
	<b>IntervalDay</b> <IntrvlDay>	[0..1]	Quantity		1395

##### 34.4.3.3.21.1 StartDate <StartDt>

*Presence:* [1..1]

*Definition:* Date of first transfer.

*Datatype:* "ISODate" on page 1572

##### 34.4.3.3.21.2 NumberOfOccurrences <NbOfOcrncs>

*Presence:* [0..1]

*Definition:* Number of transfers to perform.

*Datatype:* "Number" on page 1574

##### 34.4.3.3.21.3 EndDate <EndDt>

*Presence:* [1..1]

*Definition:* Date of last transfer.

*Datatype:* "ISODate" on page 1572

##### 34.4.3.3.21.4 PeriodUnit <PrdUnit>

*Presence:* [0..1]

*Definition:* Period of the recurring transfer.

*Datatype:* "Frequency3Code" on page 1558

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 1574

#### 34.4.3.3.22 AuthorisationResult <AuthstnRsIt>

*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
	<b>AuthorisationEntity</b> <AuthstnNtty>	[0..1]	CodeSet		1396
	<b>AuthorisationResponse</b> <AuthstnRspn>	[1..1]			1397
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1397
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1397
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1401
	<b>ResponseTrace</b> <RspnTrac>	[0..*]			1401
	<b>ResponderIdentification</b> <RspndrId>	[1..1]	Text		1402
	<b>Codification</b> <Cdfctn>	[0..1]	Text		1402
	<b>Response</b> <Rspn>	[1..1]	Text		1402
	<b>ResponseReason</b> <RspnRsn>	[0..1]	Text		1402
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1402
	<b>AuthorisationCode</b> <AuthstnCd>	[0..1]	Text		1402
	<b>Action</b> <Actn>	[0..*]			1402
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1403
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1403
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1404
	<b>Message</b> <Msg>	[0..1]	Text		1404
	<b>Reference</b> <Ref>	[0..1]	Text		1404
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1404
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1405
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1405
	<b>FeeToAdd</b> <FeeToAdd>	[0..*]			1406
	<b>Amount</b> <Amt>	[1..1]	Amount		1407
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1407
	<b>FeeLabel</b> <FeeLbl>	[0..1]	Text		1407

#### 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 1563



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.

#### 34.4.3.3.22.2 AuthorisationResponse <AuthstnRspn>

*Presence:* [1..1]

*Definition:* Result of the authorisation.

**AuthorisationResponse <AuthstnRspn>** contains the following **ResponseType12** elements

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>Response</b> <Rspn>	[1..1]	CodeSet		1397
	<b>ResponseReason</b> <RspnRsn>	[0..1]	CodeSet		1397
	<b>AdditionalResponseInformation</b> <AddtlRspnInf>	[0..1]	Text		1401

#### 34.4.3.3.22.2.1 Response <Rspn>

*Presence:* [1..1]

*Definition:* Result of the requested transaction.

*Datatype:* "Response12Code" on page 1565

CodeName	Name	Definition
APPR	Approved	Service has been successfully provided.
DECL	Declined	Service is declined.
PART	PartialApproved	Service has been partialy provided.
ASUP	ApprovalSuspended	To provide this service additional information needs to be provided by the customer.

#### 34.4.3.3.22.2.2 ResponseReason <RspnRsn>

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "ResultDetail5Code" on page 1566

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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.

#### 34.4.3.3.22.2.3 AdditionalResponseInformation <AddtlRspnInf>

*Presence:* [0..1]

*Definition:* Additional information to be logged for further examination.

*Datatype:* "Max140Text" on page 1576

#### 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
	<b>ResponderIdentification &lt;RspndrId&gt;</b>	[1..1]	Text		1402
	<b>Codification &lt;Cdfctn&gt;</b>	[0..1]	Text		1402
	<b>Response &lt;Rspn&gt;</b>	[1..1]	Text		1402
	<b>ResponseReason &lt;RspnRsn&gt;</b>	[0..1]	Text		1402
	<b>AdditionalResponseInformation &lt;AddtlRspnInf&gt;</b>	[0..1]	Text		1402

#### **34.4.3.3.22.3.1 ResponderIdentification <RspndrId>**

*Presence:* [1..1]

*Definition:* Identification of the responder.

*Datatype:* "Max35Text" on page 1577

#### **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 1577

#### **34.4.3.3.22.3.3 Response <Rspn>**

*Presence:* [1..1]

*Definition:* Result of the request.

*Datatype:* "Max35Text" on page 1577

#### **34.4.3.3.22.3.4 ResponseReason <RspnRsn>**

*Presence:* [0..1]

*Definition:* Detail of the response.

*Datatype:* "Max35Text" on page 1577

#### **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 1577

#### **34.4.3.3.22.4 AuthorisationCode <AuthstnCd>**

*Presence:* [0..1]

*Definition:* Value assigned by the authorising party.

*Datatype:* "Max8Text" on page 1579

#### **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
	<b>ActionType</b> <ActnTp>	[1..1]	CodeSet		1403
	<b>MessageToPresent</b> <MsgToPres>	[0..1]			1403
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1404
	<b>Message</b> <Msg>	[0..1]	Text		1404
	<b>Reference</b> <Ref>	[0..1]	Text		1404
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1404
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1405
	<b>RequestToPerform</b> <ReqToPrfrm>	[0..1]	CodeSet		1405

#### 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 1528

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
	<b>Format</b> <Frmt>	[0..1]	CodeSet		1404
	<b>Message</b> <Msg>	[0..1]	Text		1404
	<b>Reference</b> <Ref>	[0..1]	Text		1404
	<b>Device</b> <Dvc>	[0..1]	CodeSet		1404
	<b>MessageContentSignature</b> <MsgCnttSgntr>	[0..1]	Binary		1405

#### 34.4.3.3.22.5.2.1 Format <Frmt>

*Presence:* [0..1]

*Definition:* Information format.

*Datatype:* "OutputFormat2Code" on page 1563

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.

#### 34.4.3.3.22.5.2.2 Message <Msg>

*Presence:* [0..1]

*Definition:* Content of the message.

*Datatype:* "Max20000Text" on page 1576

#### 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 1577

#### 34.4.3.3.22.5.2.4 Device <Dvc>

*Presence:* [0..1]

*Definition:* Device to be used.

*Datatype:* "ATMDevice1Code" on page 1537

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.

#### 34.4.3.3.22.5.2.5 MessageContentSignature <MsgCnttSgntr>

*Presence:* [0..1]

*Definition:* Electronic signature of the message to display or print.

*Datatype:* "Max35Binary" on page 1527

#### 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 1559

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.

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.

#### 34.4.3.3.22.6 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
	<b>Amount</b> <Amt>	[1..1]	Amount		1407
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1407
	<b>FeeLabel</b> <FeeLabl>	[0..1]	Text		1407

#### 34.4.3.3.22.6.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

#### 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 1526

#### 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
	<b>Type &lt;Tp&gt;</b>	[1..1]	CodeSet		1408
	<b>Urgency &lt;Urgcy&gt;</b>	[1..1]	CodeSet		1408
	<b>DateTime &lt;DtTm&gt;</b>	[0..1]	DateTime		1408
	<b>CommandIdentification &lt;CmdId&gt;</b>	[0..1]	±		1408
	<b>CommandParameters &lt;CmdParams&gt;</b>	[0..1]	±		1409

#### 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 1534

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.

#### 34.4.3.3.24.2 Urgency <Urgcy>

*Presence:* [1..1]

*Definition:* Urgency of the command.

*Datatype:* "TMSContactLevel2Code" on page 1570

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 1572

#### 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 1479 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Origin <Orgn>	[0..1]	Text		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 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 1446 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	ATMRequiredGlobalStatus <ATMReqrdGblSts>	[1..1]	CodeSet		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

#### 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
	<b>AccountType</b> <AcctTp>	[0..1]	CodeSet		1411
	<b>AccountName</b> <AcctNm>	[0..1]	Text		1412
	<b>AccountUsageCode</b> <AcctUsgCd>	[0..1]	CodeSet		1412
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1412
	<b>AccountIdentifier</b> <AcctIdr>	[0..1]			1412
{Or	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1413
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1413
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1413
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1413
	<b>Identification</b> <Id>	[1..1]	Text		1414
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1414
Or}	<b>Email</b> <Email>	[1..1]	Text		1414
	<b>CreditReference</b> <CdtRef>	[0..1]	Text		1414
	<b>Servicer</b> <Svcr>	[0..1]			1414
{Or	<b>AnyBIC</b> <AnyBIC>	[1..1]	IdentifierSet	C2	1414
Or}	<b>ProprietaryIdentification</b> <PrtryId>	[1..1]	±		1415
	<b>Balance</b> <Bal>	[0..*]			1415
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1415
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1416
	<b>Date</b> <Dt>	[0..1]	Date		1416
	<b>Label</b> <Labl>	[0..1]	Text		1416
	<b>BalanceDisplayFlag</b> <BalDispFlg>	[0..1]	Indicator		1416
	<b>DefaultAccountIndicator</b> <DfltAcctInd>	[0..1]	Indicator		1416
	<b>AllowedService</b> <AllwdSvc>	[0..*]			1417
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1417
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1418
	<b>Identification</b> <Id>	[1..1]	Text		1418
	<b>Label</b> <Labl>	[0..1]	Text		1418
	<b>Limits</b> <Lmts>	[0..*]			1418
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1419
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1419

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1419
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1419
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Labl>	[0..1]	Text		1420

#### 34.4.3.3.25.1 AccountType <AcctTp>

*Presence:* [0..1]

*Definition:* Type of cardholder account used for the transaction.

*Datatype:* "CardAccountType3Code" on page 1549

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 1578

#### 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 1533

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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	<b>IBAN</b> <IBAN>	[1..1]	IdentifierSet	C4	1413
Or	<b>BBAN</b> <BBAN>	[1..1]	IdentifierSet		1413
Or	<b>UPIC</b> <UPIC>	[1..1]	IdentifierSet		1413
Or	<b>DomesticAccount</b> <DmstAcct>	[1..1]			1413
	<b>Identification</b> <Id>	[1..1]	Text		1414
Or	<b>MSISDN</b> <MSISDN>	[1..1]	Text		1414
Or}	<b>Email</b> <Email>	[1..1]	Text		1414

#### 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 1573

##### 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 1573

#### 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 1573

#### 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
	<b>Identification &lt;Id&gt;</b>	[1..1]	Text		1414

#### 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 1577

#### 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 1576

#### 34.4.3.3.25.5.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 34.4.3.3.25.6 CreditReference <CdtRef>

*Presence:* [0..1]

*Definition:* Internal account reference in case of credit account.

*Datatype:* "Max35Text" on page 1577

#### 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	<b>AnyBIC &lt;AnyBIC&gt;</b>	[1..1]	IdentifierSet	C2	1414
Or}	<b>ProprietaryIdentification &lt;PrtryId&gt;</b>	[1..1]	±		1415

#### 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 1572

#### 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 1487 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

#### 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
	<b>Amount</b> <Amt>	[1..1]	Amount	C6	1415
	<b>Sign</b> <Sgn>	[0..1]	Indicator		1416
	<b>Date</b> <Dt>	[0..1]	Date		1416
	<b>Label</b> <Labl>	[0..1]	Text		1416

#### 34.4.3.3.25.8.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Impacted by:* C6 "ValidationByTable"

*Datatype:* "CurrencyAndAmount" on page 1525

## 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 1574](#)):

- *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 1572](#)

### 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 1578](#)

### 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 1574](#)):

- *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 1574](#)):

- *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
	<b>ServiceType</b> <SvcTp>	[1..1]	CodeSet		1417
	<b>ServiceVariant</b> <SvcVarnt>	[0..*]			1418
	<b>Identification</b> <Id>	[1..1]	Text		1418
	<b>Label</b> <Labl>	[0..1]	Text		1418
	<b>Limits</b> <Lmts>	[0..*]			1418
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1419
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1419
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1419
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1419
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Labl>	[0..1]	Text		1420

##### 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 1544

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
	<b>Identification</b> <Id>	[1..1]	Text		1418
	<b>Label</b> <Labl>	[0..1]	Text		1418

##### 34.4.3.3.25.11.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 34.4.3.3.25.11.2.2 Label <Labl>

*Presence:* [0..1]

*Definition:* Label of the service variant.

*Datatype:* "Max35Text" on page 1577

##### 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
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1419
	<b>MaximumPossibleAmount</b> <MaxPssblAmt>	[0..1]	Amount		1419
	<b>MinimumPossibleAmount</b> <MinPssblAmt>	[0..1]	Amount		1419
	<b>AdditionalAmount</b> <AddtlAmt>	[0..*]			1419
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Labl>	[0..1]	Text		1420

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

#### 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 1525

#### 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
	<b>Type</b> <Tp>	[1..1]	Text		1420
	<b>Amount</b> <Amt>	[1..1]	Amount		1420
	<b>Currency</b> <Ccy>	[0..1]	CodeSet	C1	1420
	<b>Label</b> <Labl>	[0..1]	Text		1420

#### 34.4.3.3.25.11.3.4.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of amount.

*Datatype:* "Max35Text" on page 1577

#### 34.4.3.3.25.11.3.4.2 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

#### 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

### 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
	<b>ContentType</b> <CnttTp>	[1..1]	CodeSet		1421
	<b>AuthenticatedData</b> <AuthntcdData>	[1..1]	±		1421

#### 34.4.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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 1501 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

## 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		1422
	KeyVersion <KeyVrsn>	[1..1]	Text		1422
	SequenceNumber <SeqNb>	[0..1]	Quantity		1422
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1422

##### 35.1.1.1.1 KeyIdentification <KeyId>

*Presence:* [1..1]

*Definition:* Identification of the cryptographic key.

*Datatype:* "Max140Text" on page 1576

##### 35.1.1.1.2 KeyVersion <KeyVrsn>

*Presence:* [1..1]

*Definition:* Version of the cryptographic key.

*Datatype:* "Max140Text" on page 1576

##### 35.1.1.1.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* Number of usages of the cryptographic key.

*Datatype:* "Number" on page 1574

##### 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 1527

##### 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		1423
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1423

#### 35.1.1.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 35.1.1.2.2 ApplicationVersion <ApplVrsn>

*Presence:* [0..1]

*Definition:* Software version of the application.

*Datatype:* "Max35Text" on page 1577

#### 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		1423
	Branch <Brnch>	[0..1]	Text		1423

##### 35.1.1.3.1 AcquiringInstitution <Acqrglnstn>

*Presence:* [0..1]

*Definition:* Identification of the acquirer.

*Datatype:* "Max35Text" on page 1577

##### 35.1.1.3.2 Branch <Brnch>

*Presence:* [0..1]

*Definition:* Identification of the acquirer branch.

*Datatype:* "Max35Text" on page 1577

## 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		1424
	Currency <Ccy>	[0..1]	CodeSet	C1	1424
	Fees <Fees>	[0..*]	±		1424
	Donation <Dontn>	[0..*]	±		1424

### 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 1525

### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

### 35.1.2.1.4 Donation <Dontn>

*Presence:* [0..\*]

*Definition:* Amount of the donation.

**Donation <Dontn>** contains the following elements (see "[DetailedAmount13](#)" on page 1425 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Amount <Amt>	[1..1]	Amount		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

### 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		1425
	Currency <Ccy>	[0..1]	CodeSet	C1	1425

#### 35.1.2.2.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "[ImpliedCurrencyAndAmount](#)" on page 1525

#### 35.1.2.2.2 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency of the amount.

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

*Datatype:* "[ActiveCurrencyCode](#)" on page 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1426
	Label <Labl>	[0..1]	Text		1426

### 35.1.2.3.1 Amount <Amt>

*Presence:* [1..1]

*Definition:* Amount value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

### 35.1.2.3.2 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency of the amount.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1578

## 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		1426
	Currency <Ccy>	[0..1]	CodeSet	C1	1427
	ATMBalance <ATMBal>	[0..1]	Amount		1427
	ATMCurrent <ATMCur>	[0..1]	Amount		1427
	ATMBalanceNumber <ATMBalNb>	[0..1]	Quantity		1427
	ATMCurrentNumber <ATMCurNb>	[0..1]	Quantity		1428

#### 35.1.3.1.1 MediaType <MdiaTp>

*Presence:* [0..1]

*Definition:* Type of media inside the cassette.

*Datatype:* "ATMMediaType4Code" on page 1540

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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1525

### 35.1.3.1.4 ATMCurrent <ATMCur>

*Presence:* [0..1]

*Definition:* Available amount for dispense in the ATM.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

### 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 1574

### 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 1574

### 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]	±		1428
	Encryption <Ncrptn>	[0..1]	±		1428
	MACAlgorithm <MACAlgo>	[0..*]	CodeSet		1429
	DigestAlgorithm <DgstAlgo>	[0..*]	CodeSet		1430
	DigitalSignature <DgtlSgntr>	[0..1]	±		1430
	PIN <PIN>	[0..1]	±		1431
	MessageProtection <MsgPrtcn>	[0..*]	CodeSet		1431

#### 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 1455 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumSymmetricKey <MaxSmmtrcKey>	[0..1]	Quantity		1455
	MaximumAsymmetricKey <MaxAsmmtrcKey>	[0..1]	Quantity		1455
	MaximumRSAKeyLength <MaxRSAKeyLngth>	[0..1]	Quantity		1455
	MaximumRootKeyLength <MaxRootKeyLngth>	[0..1]	Quantity		1455

#### 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 1431 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AsymmetricEncryption <AsmmtrcNcrptn>	[0..1]	Indicator		1432
	AsymmetricKeyStandardIdentification <AsmmtrcKeyStdId>	[0..1]	Indicator		1432
	AsymmetricEncryptionAlgorithm <AsmmtrcNcrptnAlgo>	[0..*]	CodeSet		1432
	SymmetricTransportKey <SmmtrcTrnsprtKey>	[0..1]	Indicator		1432
	SymmetricTransportKeyAlgorithm <SmmtrcTrnsprtKeyAlgo>	[0..*]	CodeSet		1432
	SymmetricEncryptionAlgorithm <SmmtrcNcrptnAlgo>	[0..*]	CodeSet		1433
	EncryptionFormat <NcrptnFrmt>	[0..*]	CodeSet		1434

### 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 1530

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 1529

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 <DgtrlSgntr>

*Presence:* [0..1]

*Definition:* Configuration of the digital signatures if the security module is able to perform digital signatures with an asymmetric key.

**DigitalSignature <DgtrlSgntr>** contains the following elements (see "ATMSecurityConfiguration4" on page 1474 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	MaximumCertificates <MaxCerts>	[0..1]	Quantity		1474
	MaximumSignatures <MaxSgntrs>	[0..1]	Quantity		1474
	DigitalSignatureAlgorithm <DgtrlSgntrAlgo>	[0..*]	CodeSet		1474

### 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 1457 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	PINFormat <PINFmt>	[0..*]	CodeSet		1457
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1458

### 35.1.3.2.7 MessageProtection <MsgPrtcn>

*Presence:* [0..\*]

*Definition:* Mechanism used to protect the message of the ATM protocol.

*Datatype:* "MessageProtection1Code" on page 1562

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		1432
	AsymmetricKeyStandardIdentification <AsmmtrcKeyStdId>	[0..1]	Indicator		1432
	AsymmetricEncryptionAlgorithm <AsmmtrcNcrptnAlgo>	[0..*]	CodeSet		1432
	SymmetricTransportKey <SmmtrcTrnsprtKey>	[0..1]	Indicator		1432
	SymmetricTransportKeyAlgorithm <SmmtrcTrnsprtKeyAlgo>	[0..*]	CodeSet		1432
	SymmetricEncryptionAlgorithm <SmmtrcNcrptnAlgo>	[0..*]	CodeSet		1433
	EncryptionFormat <NcrptnFmt>	[0..*]	CodeSet		1434

### 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 1574):

- *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 1574):

- *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 1533

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 1574):

- *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 1531

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 1532](#)

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 1555

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		1434
	AdditionalIdentification <AddtlId>	[0..1]	Text		1435
	Period <Prd>	[1..1]	CodeSet		1435
	Currency <Ccy>	[0..1]	CodeSet	C1	1435
	Count <Cnt>	[1..1]	Quantity		1435
	Amount <Amt>	[0..1]	Amount		1435

#### 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 1578

#### 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 1578

#### 35.1.3.4.3 Period <Prd>

*Presence:* [1..1]

*Definition:* Period of computation for the counters.

*Datatype:* "ATMCounterType2Code" on page 1536

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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1574

#### 35.1.3.4.6 Amount <Amt>

*Presence:* [0..1]

*Definition:* Amount of transaction with the defined currency.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

### **35.1.3.5 AutomatedTellerMachine8**

*Definition:* ATM information.



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1438
	AdditionalIdentification <AddtlId>	[0..1]	Text		1438
	SequenceNumber <SeqNb>	[0..1]	Text		1438
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1438
	Location <Lctn>	[0..1]			1438
	AddressLine <AdrLine>	[0..2]	Text		1439
	StreetName <StrtNm>	[0..1]	Text		1439
	BuildingNumber <BldgNb>	[0..1]	Text		1439
	PostCode <PstCd>	[0..1]	Text		1439
	TownName <TwnNm>	[1..1]	Text		1440
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1440
	Country <Ctry>	[1..1]	CodeSet	C1	1440
	GeoLocation <GLctn>	[0..1]			1440
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1440
	Latitude <Lat>	[1..1]	Text		1441
	Longitude <Long>	[1..1]	Text		1441
Or}	UTMCoordinates <UTMCordints>	[1..1]			1441
	UTMZone <UTMZone>	[1..1]	Text		1441
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1441
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1442
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1442
	Equipment <Eqpmnt>	[0..1]			1442
	Manufacturer <Manfctr>	[0..1]	Text		1442
	Model <Mdl>	[0..1]	Text		1443
	SerialNumber <SrlNb>	[0..1]	Text		1443
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1443
	ApplicationName <ApplNm>	[0..1]	Text		1443
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1443
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1443
	ConfigurationParameter <CfgrtnParam>	[0..*]			1443
	Type <Tp>	[1..1]	CodeSet		1443

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1444

#### 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 1577

#### 35.1.3.5.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.5.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.5.4 BaseCurrency <BaseCcy>

*Presence:* [1..1]

*Definition:* Reference currency of the ATM.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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		1439
	StreetName <StrtNm>	[0..1]	Text		1439
	BuildingNumber <BldgNb>	[0..1]	Text		1439
	PostCode <PstCd>	[0..1]	Text		1439
	TownName <TwnNm>	[1..1]	Text		1440
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1440
	Country <Ctry>	[1..1]	CodeSet	C1	1440
	GeoLocation <GLctn>	[0..1]			1440
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1440
	Latitude <Lat>	[1..1]	Text		1441
	Longitude <Long>	[1..1]	Text		1441
Or}	UTMCoordinates <UTMCordints>	[1..1]			1441
	UTMZone <UTMZone>	[1..1]	Text		1441
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1441
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1442

#### 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 1578

#### 35.1.3.5.5.2 StreetName <StrtNm>

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### 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 1576

#### 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 1576

**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 1577

**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 1577

**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 1552

**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]			1440
	Latitude <Lat>	[1..1]	Text		1441
	Longitude <Long>	[1..1]	Text		1441
Or}	UTMCoordinates <UTMCordints>	[1..1]			1441
	UTMZone <UTMZone>	[1..1]	Text		1441
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1441
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1442

**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		1441
	Longitude <Long>	[1..1]	Text		1441

#### 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 1576

#### 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 1576

#### 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		1441
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1441
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1442

##### 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 1576

##### 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 1574

### 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 1574

### 35.1.3.5.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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		1442
	Model <Mdl>	[0..1]	Text		1443
	SerialNumber <SrlNb>	[0..1]	Text		1443
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1443
	ApplicationName <ApplNm>	[0..1]	Text		1443
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1443
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1443
	ConfigurationParameter <CfgrtnParam>	[0..*]			1443
	Type <Tp>	[1..1]	CodeSet		1443
	Version <Vrsn>	[1..1]	Text		1444

#### 35.1.3.5.7.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

35.1.3.5.7.2 Model <Mdl>

Presence: [0..1]  
Definition: Model of ATM.  
Datatype: "Max35Text" on page 1577

35.1.3.5.7.3 SerialNumber <SrINb>

Presence: [0..1]  
Definition: Serial number of the ATM.  
Datatype: "Max35Text" on page 1577

35.1.3.5.7.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]  
Definition: Provider of the ATM application software.  
Datatype: "Max35Text" on page 1577

35.1.3.5.7.5 ApplicationName <ApplNm>

Presence: [0..1]  
Definition: Name of the software product.  
Datatype: "Max35Text" on page 1577

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 1577

35.1.3.5.7.7 ApprovalNumber <ApprvINb>

Presence: [0..1]  
Definition: Unique assessment number for the component.  
Datatype: "Max35Text" on page 1577

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		1443
	Version <Vrsn>	[1..1]	Text		1444

35.1.3.5.7.8.1 Type <Tp>

Presence: [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

### 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		1444
	Model <Mdl>	[0..1]	Text		1445
	Version <Vrsn>	[0..1]	Text		1445
	SerialNumber <SrlNb>	[0..1]	Text		1445
	SignedSerialNumber <SgndSrlNb>	[0..1]	±		1445
	FirmwareProvider <FrmwrPrvdr>	[0..1]	Text		1445
	FirmwareIdentification <Frmwrld>	[0..1]	Text		1445
	FirmwareVersion <FrmwrVrsn>	[0..1]	Text		1445

#### 35.1.3.6.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.



*Datatype:* "Max35Text" on page 1577

#### 35.1.3.6.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.6.3 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the device model.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.6.4 SerialNumber <SrINb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 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 1490 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1490
	SignedData <SgndData>	[1..1]	±		1490

#### 35.1.3.6.6 FirmwareProvider <FrmwrPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the firmware.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.6.7 FirmwareIdentification <Frmwrld>

*Presence:* [0..1]

*Definition:* Identification of the firmware.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.6.8 FirmwareVersion <FrmwrVrsn>

*Presence:* [0..1]

*Definition:* Version of the firmware.

*Datatype:* "Max35Text" on page 1577

### 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		1446
Or	ExpectedMessageFunction <XpctdMsgFctn>	[1..1]	CodeSet		1446
Or}	RequiredConfigurationParameter <ReqrdCfgtnParam>	[1..1]			1446
	Type <Tp>	[1..1]	CodeSet		1447
	Version <Vrsn>	[1..1]	Text		1447

#### 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 1547

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 1562

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		1447
	Version <Vrsn>	[1..1]	Text		1447

### 35.1.3.7.3.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

### 35.1.3.8 AutomatedTellerMachine6

*Definition:* ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1449
	AdditionalIdentification <AddtlId>	[0..1]	Text		1449
	SequenceNumber <SeqNb>	[0..1]	Text		1449
	Location <Lctn>	[0..1]			1449
	AddressLine <AdrLine>	[0..2]	Text		1450
	StreetName <StrtNm>	[0..1]	Text		1450
	BuildingNumber <BldgNb>	[0..1]	Text		1450
	PostCode <PstCd>	[0..1]	Text		1450
	TownName <TwnNm>	[1..1]	Text		1450
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1450
	Country <Ctry>	[1..1]	CodeSet	C1	1450
	GeoLocation <GLctn>	[0..1]			1451
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1451
	Latitude <Lat>	[1..1]	Text		1451
	Longitude <Long>	[1..1]	Text		1451
Or}	UTMCoordinates <UTMCordints>	[1..1]			1452
	UTMZone <UTMZone>	[1..1]	Text		1452
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1452
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1452
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1452
	Equipment <Eqpmnt>	[0..1]			1453
	Manufacturer <Manfctr>	[0..1]	Text		1453
	Model <Mdl>	[0..1]	Text		1453
	SerialNumber <SrlNb>	[0..1]	Text		1453
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1453
	ApplicationName <ApplNm>	[0..1]	Text		1453
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1454
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1454
	ConfigurationParameter <CfgtnParam>	[0..*]			1454
	Type <Tp>	[1..1]	CodeSet		1454
	Version <Vrsn>	[1..1]	Text		1455

### 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 1577

### 35.1.3.8.2 AdditionalIdentification <AddtId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.8.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

### 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		1450
	StreetName <StrtNm>	[0..1]	Text		1450
	BuildingNumber <BldgNb>	[0..1]	Text		1450
	PostCode <PstCd>	[0..1]	Text		1450
	TownName <TwnNm>	[1..1]	Text		1450
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1450
	Country <Ctry>	[1..1]	CodeSet	C1	1450
	GeoLocation <GLctn>	[0..1]			1451
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1451
	Latitude <Lat>	[1..1]	Text		1451
	Longitude <Long>	[1..1]	Text		1451
Or}	UTMCoordinates <UTMCordints>	[1..1]			1452
	UTMZone <UTMZone>	[1..1]	Text		1452
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1452
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1452

#### **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 1578

#### **35.1.3.8.4.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

## 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]			1451
	Latitude <Lat>	[1..1]	Text		1451
	Longitude <Long>	[1..1]	Text		1451
Or}	UTMCoordinates <UTMCordints>	[1..1]			1452
	UTMZone <UTMZone>	[1..1]	Text		1452
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1452
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1452

### 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		1451
	Longitude <Long>	[1..1]	Text		1451

### 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 1576

### 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 1576

### 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		1452
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1452
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1452

#### 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 1576

#### 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 1574

#### 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 1574

### 35.1.3.8.5 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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		1453
	Model <Mdl>	[0..1]	Text		1453
	SerialNumber <SrlNb>	[0..1]	Text		1453
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1453
	ApplicationName <ApplNm>	[0..1]	Text		1453
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1454
	ApprovalNumber <ApprvINb>	[0..1]	Text		1454
	ConfigurationParameter <CfgrtnParam>	[0..*]			1454
	Type <Tp>	[1..1]	CodeSet		1454
	Version <Vrsn>	[1..1]	Text		1455

#### 35.1.3.8.6.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.8.6.2 Model <Mdl>

*Presence:* [0..1]

*Definition:* Model of ATM.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.8.6.3 SerialNumber <SrlNb>

*Presence:* [0..1]

*Definition:* Serial number of the ATM.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.8.6.4 ApplicationProvider <ApplPrvdr>

*Presence:* [0..1]

*Definition:* Provider of the ATM application software.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.8.6.5 ApplicationName <ApplNm>

*Presence:* [0..1]

*Definition:* Name of the software product.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

#### 35.1.3.8.6.7 ApprovalNumber <ApprvINb>

*Presence:* [0..1]

*Definition:* Unique assessment number for the component.

*Datatype:* "Max35Text" on page 1577

#### 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		1454
	Version <Vrsn>	[1..1]	Text		1455

##### 35.1.3.8.6.8.1 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 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		1455
	MaximumAsymmetricKey <MaxAsmmtrcKey>	[0..1]	Quantity		1455
	MaximumRSAKeyLength <MaxRSAKeyLngth>	[0..1]	Quantity		1455
	MaximumRootKeyLength <MaxRootKeyLngth>	[0..1]	Quantity		1455

##### 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 1574

##### 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 1574

##### 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 1574

##### 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 1574

#### 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]	±		1456
	PINFormat <PINFrmt>	[1..1]	CodeSet		1456
	AdditionalInput <AddtlInpt>	[0..1]	Text		1457

### 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 1522 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

### 35.1.3.10.2 PINFormat <PINFrmt>

*Presence:* [1..1]

*Definition:* PIN (Personal Identification Number) format before encryption.

*Datatype:* "[PINFormat4Code](#)" on page 1564

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 1577

### 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		1457
	PINLengthCapabilities <PINLnghCpblties>	[0..1]	Quantity		1458

#### 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 1564

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 1574

#### 35.1.3.12 AutomatedTellerMachine2

*Definition:* ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1459
	AdditionalIdentification <AddtlId>	[0..1]	Text		1459
	SequenceNumber <SeqNb>	[0..1]	Text		1459
	BaseCurrency <BaseCcy>	[0..1]	CodeSet	C1	1460
	Location <Lctn>	[0..1]			1460
	AddressLine <AdrLine>	[0..2]	Text		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

### 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 1577

### 35.1.3.12.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.12.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.12.4 BaseCurrency <BaseCcy>

*Presence:* [0..1]

*Definition:* Reference currency of the ATM.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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		1460
	StreetName <StrtNm>	[0..1]	Text		1461
	BuildingNumber <BldgNb>	[0..1]	Text		1461
	PostCode <PstCd>	[0..1]	Text		1461
	TownName <TwnNm>	[1..1]	Text		1461
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1461
	Country <Ctry>	[1..1]	CodeSet	C1	1461
	GeoLocation <GLctn>	[0..1]			1461
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1463

#### 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 1578

#### **35.1.3.12.5.2 StreetName <StrtNm>**

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### **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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

#### **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]			1462
	Latitude <Lat>	[1..1]	Text		1462
	Longitude <Long>	[1..1]	Text		1462
Or}	UTMCoordinates <UTMCordints>	[1..1]			1462
	UTMZone <UTMZone>	[1..1]	Text		1463
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1463

### 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		1462
	Longitude <Long>	[1..1]	Text		1462

#### 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 1576

#### 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 1576

#### 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		1463
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1463
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1463

#### 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 1576

#### 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 1574

#### 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 1574

### 35.1.3.13 AutomatedTellerMachine7

*Definition:* ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1463
	AdditionalIdentification <AddtlId>	[0..1]	Text		1463
	SequenceNumber <SeqNb>	[0..1]	Text		1464

#### 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 1577

#### 35.1.3.13.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.13.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.14 ATMMediaMix1

*Definition:* Media mix selected.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	CashUnitNumber <CshUnitNb>	[0..1]	Quantity		1464
	Number <Nb>	[1..1]	Quantity		1464
	UnitValue <UnitVal>	[1..1]	Amount		1464

### 35.1.3.14.1 CashUnitNumber <CshUnitNb>

*Presence:* [0..1]

*Definition:* Logical unit number of the cash dispenser.

*Datatype:* "Number" on page 1574

### 35.1.3.14.2 Number <Nb>

*Presence:* [1..1]

*Definition:* Number of notes or coins.

*Datatype:* "Number" on page 1574

### 35.1.3.14.3 UnitValue <UnitVal>

*Presence:* [1..1]

*Definition:* Unit value.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

### 35.1.3.15 AutomatedTellerMachine5

*Definition:* ATM information.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Identification <Id>	[1..1]	Text		1466
	AdditionalIdentification <AddtlId>	[0..1]	Text		1466
	SequenceNumber <SeqNb>	[0..1]	Text		1466
	BaseCurrency <BaseCcy>	[1..1]	CodeSet	C1	1466
	Location <Lctn>	[0..1]			1466
	AddressLine <AdrLine>	[0..2]	Text		1467
	StreetName <StrtNm>	[0..1]	Text		1467
	BuildingNumber <BldgNb>	[0..1]	Text		1467
	PostCode <PstCd>	[0..1]	Text		1467
	TownName <TwnNm>	[1..1]	Text		1468
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1468
	Country <Ctry>	[1..1]	CodeSet	C1	1468
	GeoLocation <GLctn>	[0..1]			1468
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1468
	Latitude <Lat>	[1..1]	Text		1469
	Longitude <Long>	[1..1]	Text		1469
Or}	UTMCoordinates <UTMCordints>	[1..1]			1469
	UTMZone <UTMZone>	[1..1]	Text		1469
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1469
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1470
	LocationCategory <LctnCtgy>	[0..1]	CodeSet		1470
	Equipment <Eqpmnt>	[0..1]			1470
	Manufacturer <Manfctr>	[0..1]	Text		1470
	Model <Mdl>	[0..1]	Text		1471
	SerialNumber <SrlNb>	[0..1]	Text		1471
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1471
	ApplicationName <ApplNm>	[0..1]	Text		1471
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1471
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1471
	ConfigurationParameter <CfgrtnParam>	[0..*]			1471
	Type <Tp>	[1..1]	CodeSet		1471

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[1..1]	Text		1472
	OutOfServiceDevice <OutOfSvcDvc>	[0..*]	CodeSet		1472
	MessageProtection <MsgPrtcn>	[0..1]	CodeSet		1473

### 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 1577

### 35.1.3.15.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.15.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

### 35.1.3.15.4 BaseCurrency <BaseCcy>

*Presence:* [1..1]

*Definition:* Reference currency of the ATM.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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		1467
	StreetName <StrtNm>	[0..1]	Text		1467
	BuildingNumber <BldgNb>	[0..1]	Text		1467
	PostCode <PstCd>	[0..1]	Text		1467
	TownName <TwnNm>	[1..1]	Text		1468
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1468
	Country <Ctry>	[1..1]	CodeSet	C1	1468
	GeoLocation <GLctn>	[0..1]			1468
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1468
	Latitude <Lat>	[1..1]	Text		1469
	Longitude <Long>	[1..1]	Text		1469
Or}	UTMCoordinates <UTMCordints>	[1..1]			1469
	UTMZone <UTMZone>	[1..1]	Text		1469
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1469
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1470

#### 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 1578

#### 35.1.3.15.5.2 StreetName <StrtNm>

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### 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 1576

#### 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 1576

**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 1577

**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 1577

**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 1552

**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]			1468
	Latitude <Lat>	[1..1]	Text		1469
	Longitude <Long>	[1..1]	Text		1469
Or}	UTMCoordinates <UTMCordints>	[1..1]			1469
	UTMZone <UTMZone>	[1..1]	Text		1469
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1469
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1470

**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		1469
	Longitude <Long>	[1..1]	Text		1469

#### 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 1576

#### 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 1576

#### 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		1469
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1469
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1470

##### 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 1576

##### 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 1574

### 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 1574

### 35.1.3.15.6 LocationCategory <LctnCtgy>

*Presence:* [0..1]

*Definition:* Indicates the environment of the transaction.

*Datatype:* "TransactionEnvironment2Code" on page 1571

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		1470
	Model <Mdl>	[0..1]	Text		1471
	SerialNumber <SrlNb>	[0..1]	Text		1471
	ApplicationProvider <ApplPrvdr>	[0..1]	Text		1471
	ApplicationName <ApplNm>	[0..1]	Text		1471
	ApplicationVersion <ApplVrsn>	[0..1]	Text		1471
	ApprovalNumber <ApprvlNb>	[0..1]	Text		1471
	ConfigurationParameter <CfgrtnParam>	[0..*]			1471
	Type <Tp>	[1..1]	CodeSet		1471
	Version <Vrsn>	[1..1]	Text		1472

#### 35.1.3.15.7.1 Manufacturer <Manfctr>

*Presence:* [0..1]

*Definition:* ATM Manufacturer.

*Datatype:* "Max35Text" on page 1577

35.1.3.15.7.2 Model <Mdl>

Presence: [0..1]  
Definition: Model of ATM.  
Datatype: "Max35Text" on page 1577

35.1.3.15.7.3 SerialNumber <SrINb>

Presence: [0..1]  
Definition: Serial number of the ATM.  
Datatype: "Max35Text" on page 1577

35.1.3.15.7.4 ApplicationProvider <ApplPrvdr>

Presence: [0..1]  
Definition: Provider of the ATM application software.  
Datatype: "Max35Text" on page 1577

35.1.3.15.7.5 ApplicationName <ApplNm>

Presence: [0..1]  
Definition: Name of the software product.  
Datatype: "Max35Text" on page 1577

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 1577

35.1.3.15.7.7 ApprovalNumber <ApprvINb>

Presence: [0..1]  
Definition: Unique assessment number for the component.  
Datatype: "Max35Text" on page 1577

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		1471
	Version <Vrsn>	[1..1]	Text		1472

35.1.3.15.7.8.1 Type <Tp>

Presence: [1..1]

*Definition:* Type of the ATM configuration.

*Datatype:* "DataSetCategory7Code" on page 1554

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 1577

#### 35.1.3.15.8 OutOfServiceDevice <OutOfSvcDvc>

*Presence:* [0..\*]

*Definition:* List of ATM devices out of service.

*Datatype:* "ATMDevice2Code" on page 1538

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 1562

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		1474
	MaximumSignatures <MaxSgntrs>	[0..1]	Quantity		1474
	DigitalSignatureAlgorithm <DgtlSgntrAlgo>	[0..*]	CodeSet		1474

#### 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 1574

#### 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 1574

#### 35.1.3.16.3 DigitalSignatureAlgorithm <DgtlSgntrAlgo>

*Presence:* [0..\*]

*Definition:* Digital signature algorithm the security module is able to manage.

*Datatype:* "Algorithm14Code" on page 1532

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		1475
	AdditionalIdentification <AddtlId>	[0..1]	Text		1475
	SequenceNumber <SeqNb>	[0..1]	Text		1475
	Location <Lctn>	[0..1]			1476
	AddressLine <AdrLine>	[0..2]	Text		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogcCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1479

#### 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 1577

#### 35.1.3.17.2 AdditionalIdentification <AddtlId>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the ATM manager.

*Datatype:* "Max35Text" on page 1577

#### 35.1.3.17.3 SequenceNumber <SeqNb>

*Presence:* [0..1]

*Definition:* ATM terminal device identification for the branch.

*Datatype:* "Max35Text" on page 1577

#### 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		1476
	StreetName <StrtNm>	[0..1]	Text		1476
	BuildingNumber <BldgNb>	[0..1]	Text		1476
	PostCode <PstCd>	[0..1]	Text		1477
	TownName <TwnNm>	[1..1]	Text		1477
	CountrySubDivision <CtrySubDvsn>	[0..2]	Text		1477
	Country <Ctry>	[1..1]	CodeSet	C1	1477
	GeoLocation <GLctn>	[0..1]			1477
{Or	GeographicCoordinates <GeogCordints>	[1..1]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1479

##### 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 1578

##### 35.1.3.17.4.2 StreetName <StrtNm>

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

##### 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 1576

#### **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 1576

#### **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 1577

#### **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 1577

#### **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 1552

##### **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]			1478
	Latitude <Lat>	[1..1]	Text		1478
	Longitude <Long>	[1..1]	Text		1478
Or}	UTMCoordinates <UTMCordints>	[1..1]			1478
	UTMZone <UTMZone>	[1..1]	Text		1479
	UTMEastward <UTMEstwrdr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwrdr>	[1..1]	Quantity		1479

#### 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		1478
	Longitude <Long>	[1..1]	Text		1478

##### 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 1576

##### 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 1576

##### 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		1479
	UTMEastward <UTMEstwr>	[1..1]	Quantity		1479
	UTMNorthward <UTMNrthwr>	[1..1]	Quantity		1479

#### 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 1576

#### 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 1574

#### 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 1574

### 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		1479
	Reference <Ref>	[0..1]	Text		1479
	Processor <Prcr>	[0..1]	Text		1480

#### 35.1.3.18.1 Origin <Orgn>

*Presence:* [0..1]

*Definition:* Identification of the entity issuing the command.

*Datatype:* "Max35Text" on page 1577

#### 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 1577

### 35.1.3.18.3 Processor <Pcr>

*Presence:* [0..1]

*Definition:* Identification or address of the host performing the command.

*Datatype:* "Max140Text" on page 1576

### 35.1.3.19 ATMAccountStatement3

*Definition:* Statement information of an account.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	AccountIdentifier <AcctIdr>	[1..1]			1480
{Or	IBAN <IBAN>	[1..1]	IdentifierSet	C4	1481
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1481
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1481
Or	DomesticAccount <DmstAcct>	[1..1]			1481
	Identification <Id>	[1..1]	Text		1482
Or	MSISDN <MSISDN>	[1..1]	Text		1482
Or}	Email <Email>	[1..1]	Text		1482
	AccountName <AcctNm>	[0..1]	Text		1482
	AccountStatement <AcctStmt>	[0..*]			1482
	TransactionDate <TxDt>	[0..1]	Date		1483
	ValueDate <ValDt>	[0..1]	Date		1483
	ShortText <ShrtTxt>	[0..1]	Text		1483
	CreditTransaction <CdtTx>	[0..1]	Indicator		1483
	Amount <Amt>	[1..1]	Amount		1483
	Currency <Ccy>	[0..1]	CodeSet	C1	1483
	LongText <LngTxt>	[0..1]	Text		1484

#### 35.1.3.19.1 AccountIdentifier <AcctIdr>

*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	1481
Or	BBAN <BBAN>	[1..1]	IdentifierSet		1481
Or	UPIC <UPIC>	[1..1]	IdentifierSet		1481
Or	DomesticAccount <DmstAcct>	[1..1]			1481
	Identification <Id>	[1..1]	Text		1482
Or	MSISDN <MSISDN>	[1..1]	Text		1482
Or}	Email <Email>	[1..1]	Text		1482

#### 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 1573

##### 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 1573

#### 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 1573

#### 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		1482

#### 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 1577

#### 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 1576

#### 35.1.3.19.1.6 Email <Email>

*Presence:* [1..1]

*Definition:* E-mail identifying the account.

*Datatype:* "Max256Text" on page 1577

#### 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 1578

#### 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		1483
	ValueDate <ValDt>	[0..1]	Date		1483
	ShortText <ShrtTxt>	[0..1]	Text		1483
	CreditTransaction <CdtTx>	[0..1]	Indicator		1483
	Amount <Amt>	[1..1]	Amount		1483
	Currency <Ccy>	[0..1]	CodeSet	C1	1483
	LongText <LngTxt>	[0..1]	Text		1484

#### 35.1.3.19.3.1 TransactionDate <TxDt>

*Presence:* [0..1]

*Definition:* Date of the transaction.

*Datatype:* "ISODate" on page 1572

#### 35.1.3.19.3.2 ValueDate <ValDt>

*Presence:* [0..1]

*Definition:* Value date of the transaction.

*Datatype:* "ISODate" on page 1572

#### 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 1578

#### 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 1574):

- *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 1525

#### 35.1.3.19.3.6 Currency <Ccy>

*Presence:* [0..1]

*Definition:* Currency of the amount.

*Impacted by:* C1 "ActiveCurrency"

*Datatype:* "ActiveCurrencyCode" on page 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1577

## 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	1484
	SourceCurrencyNumeric <SrcCcyNmrc>	[1..1]	CodeSet	C1	1485
	TargetCurrency <TrgtCcy>	[1..1]	CodeSet	C1	1485
	TargetCurrencyNumeric <TrgtCcyNmrc>	[1..1]	Text		1485
	Rate <Rate>	[1..1]	Rate		1485
	CalculatedAmount <ClctdAmt>	[1..1]	Amount		1485

#### 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 1529

#### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1529

##### Constraints

- **ActiveCurrency**

The currency code must be a valid active currency code, not yet withdrawn on the day the message containing the currency is exchanged. Valid active currency codes are registered with the ISO 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 1575

#### 35.1.4.1.5 Rate <Rate>

*Presence:* [1..1]

*Definition:* Currency exchange rate.

*Datatype:* "BaseOneRate" on page 1574

#### 35.1.4.1.6 CalculatedAmount <ClctdAmt>

*Presence:* [1..1]

*Definition:* Resulting calculated amount is in target currency.

*Datatype:* "ImpliedCurrencyAndAmount" on page 1525

## 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		1486
	Type <Tp>	[1..1]	CodeSet		1486
	Issuer <Issr>	[0..1]	CodeSet		1486
	Country <Ctry>	[0..1]	Text		1487
	ShortName <ShrtNm>	[0..1]	Text		1487

#### 35.1.5.1.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification of the entity.

*Datatype:* "Max35Text" on page 1577

#### 35.1.5.1.2 Type <Tp>

*Presence:* [1..1]

*Definition:* Type of identified entity.

*Datatype:* "PartyType12Code" on page 1563

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 1563

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 1579

#### 35.1.5.1.5 ShortName <ShrtNm>

*Presence:* [0..1]

*Definition:* Name of the entity.

*Datatype:* "Max35Text" on page 1577

#### 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		1487
	SchemeName <SchmeNm>	[0..1]	Text		1487
	Issuer <Issr>	[0..1]	Text		1488

##### 35.1.5.2.1 Identification <Id>

*Presence:* [1..1]

*Definition:* Identification assigned by an institution.

*Datatype:* "Max35Text" on page 1577

##### 35.1.5.2.2 SchemeName <SchmeNm>

*Presence:* [0..1]

*Definition:* Name of the identification scheme.

*Datatype:* "Max35Text" on page 1577

### 35.1.5.2.3 Issuer <lssr>

*Presence:* [0..1]

*Definition:* Entity that assigns the identification.

*Datatype:* "Max35Text" on page 1577

## 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		1488
	HostTransactionDateTime <HstTxDtTm>	[0..1]	DateTime		1488
	TransactionReference <TxRef>	[1..1]	Text		1488

#### 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 1572

#### 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 1572

#### 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 1577

### 35.1.6.2 TerminalHosting1

*Definition:* Entity hosting the ATM terminal.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Category <Ctgy>	[0..1]	CodeSet		1488
	Identification <Id>	[0..1]	Text		1489

#### 35.1.6.2.1 Category <Ctgy>

*Presence:* [0..1]

*Definition:* Type of ATM terminal hosting.

*Datatype:* "TransactionEnvironment3Code" on page 1571

CodeName	Name	Definition
BRCH	Branch	Bank environment.
MERC	Merchant	Merchant environment.
OTHR	Other	Other environments, for instance a mall or an airport.

### 35.1.6.2.2 Identification <Id>

*Presence:* [0..1]

*Definition:* Identify the entity hosting the ATM.

*Datatype:* "Max35Text" on page 1577

### 35.1.6.3 EncapsulatedContent3

*Definition:* Data to authenticate.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1489
	Content <Cntt>	[0..1]	Binary		1489

#### 35.1.6.3.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data which have been authenticated.

*Datatype:* "ContentType2Code" on page 1552

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).

#### 35.1.6.3.2 Content <Cntt>

*Presence:* [0..1]

*Definition:* Actual data to authenticate.

*Datatype:* "Max100KBinary" on page 1526

### 35.1.6.4 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		1490
	SignedData <SgndData>	[1..1]	±		1490

#### 35.1.6.4.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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).

#### 35.1.6.4.2 SignedData <SgndData>

*Presence:* [1..1]

*Definition:* Data protected by a digital signatures.

**SignedData <SgndData>** contains the following elements (see "SignedData4" on page 1491 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1492
	DigestAlgorithm <DgstAlgo>	[1..*]			1493
	Algorithm <Algo>	[1..1]	CodeSet		1493
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1493
	Certificate <Cert>	[0..*]	Binary		1493
	Signer <Sgnr>	[1..*]			1494
	Version <Vrsn>	[0..1]	Quantity		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

### 35.1.6.5 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		1492
	DigestAlgorithm <DgstAlgo>	[1..*]			1493
	Algorithm <Algo>	[1..1]	CodeSet		1493
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1493
	Certificate <Cert>	[0..*]	Binary		1493
	Signer <Sgnr>	[1..*]			1494
	Version <Vrsn>	[0..1]	Quantity		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

### 35.1.6.5.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.



*Datatype:* "Number" on page 1574

### 35.1.6.5.2 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		1493

#### 35.1.6.5.2.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "Algorithm11Code" on page 1529

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).

### 35.1.6.5.3 EncapsulatedContent <NcpsltdCntt>

*Presence:* [1..1]

*Definition:* Data to sign.

**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "EncapsulatedContent3" on page 1489 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1489
	Content <Cntt>	[0..1]	Binary		1489

### 35.1.6.5.4 Certificate <Cert>

*Presence:* [0..\*]

*Definition:* Chain of X.509 certificates.

*Datatype:* "Max5000Binary" on page 1527

### 35.1.6.5.5 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		1494
	SignerIdentification <SgnrId>	[0..1]			1494
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrlNb>	[1..1]	Binary		1496
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1496
	DigestAlgorithm <DgstAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1497
	SignatureAlgorithm <SgntrAlgo>	[1..1]			1497
	Algorithm <Algo>	[1..1]	CodeSet		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500
	Signature <Sgntr>	[1..1]	Binary		1501

#### 35.1.6.5.5.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the Cryptographic Message Syntax (CMS) data structure.

*Datatype:* "Number" on page 1574

#### 35.1.6.5.5.2 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]			1495
	Issuer <Issr>	[1..1]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrINb>	[1..1]	Binary		1496
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1496

### 35.1.6.5.5.2.1 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]			1495
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496
	SerialNumber <SrINb>	[1..1]	Binary		1496

### 35.1.6.5.5.2.1.1 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..*]			1495
	AttributeType <AttrTp>	[1..1]	CodeSet		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496

### 35.1.6.5.5.2.1.1.1 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		1496
	AttributeValue <AttrVal>	[1..1]	Text		1496

#### 35.1.6.5.5.2.1.1.1.1 AttributeType <AttrTp>

*Presence:* [1..1]

*Definition:* Type of attribute of a distinguished name (see X.500).

*Datatype:* "AttributeType1Code" on page 1548

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).

#### 35.1.6.5.5.2.1.1.1.2 AttributeValue <AttrVal>

*Presence:* [1..1]

*Definition:* Value of the attribute of a distinguished name (see X.500).

*Datatype:* "Max140Text" on page 1576

#### 35.1.6.5.5.2.1.2 SerialNumber <SrINb>

*Presence:* [1..1]

*Definition:* Certificate serial number (see X.509).

*Datatype:* "Max35Binary" on page 1527

#### 35.1.6.5.5.2.2 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1422
	KeyVersion <KeyVrsn>	[1..1]	Text		1422
	SequenceNumber <SeqNb>	[0..1]	Quantity		1422
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1422

### 35.1.6.5.5.3 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		1497

#### 35.1.6.5.5.3.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "[Algorithm11Code](#)" on page 1529

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).

#### 35.1.6.5.5.4 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		1498
	Parameter <Param>	[0..1]			1498
	DigestAlgorithm <DgstAlgo>	[1..1]	CodeSet		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500

#### 35.1.6.5.5.4.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the algorithm.

*Datatype:* "Algorithm14Code" on page 1532

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).

#### 35.1.6.5.5.4.2 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		1499
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[1..1]			1499
	Algorithm <Algo>	[1..1]	CodeSet		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500
	SaltLength <SaltLngth>	[1..1]	Quantity		1500
	TrailerField <TrlrFld>	[0..1]	Quantity		1500

#### 35.1.6.5.5.4.2.1 DigestAlgorithm <DgstAlgo>

*Presence:* [1..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "Algorithm11Code" on page 1529

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).

#### 35.1.6.5.5.4.2.2 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		1500
	Parameter <Param>	[0..1]			1500
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1500

### 35.1.6.5.5.4.2.2.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Mask generator function cryptographic algorithm.

*Datatype:* "Algorithm8Code" on page 1533

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).

### 35.1.6.5.5.4.2.2.2 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		1500

### 35.1.6.5.5.4.2.2.2.1 DigestAlgorithm <DgstAlgo>

*Presence:* [0..1]

*Definition:* Digest algorithm used in the mask generator function.

*Datatype:* "Algorithm11Code" on page 1529

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).

### 35.1.6.5.5.4.2.3 SaltLength <SaltLngth>

*Presence:* [1..1]

*Definition:* Length of the salt to include in the signature.

*Datatype:* "Number" on page 1574

### 35.1.6.5.5.4.2.4 TrailerField <TrlrFld>

*Presence:* [0..1]



*Definition:* Trailer field number.

*Datatype:* "Number" on page 1574

#### 35.1.6.5.5.5 Signature <Sgntr>

*Presence:* [1..1]

*Definition:* Digital signature.

*Datatype:* "Max3000Binary" on page 1526

#### 35.1.6.6 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		1501
	Recipient <Rcpt>	[1..*]	±		1501
	MACAlgorithm <MACAlgo>	[1..1]	±		1503
	EncapsulatedContent <NcpsltdCntt>	[1..1]	±		1503
	MAC <MAC>	[1..1]	Binary		1503

##### 35.1.6.6.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1574

##### 35.1.6.6.2 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 1503 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1505
	Version <Vrsn>	[0..1]	Quantity		1505
	RecipientIdentification <RcptId>	[1..1]			1505
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1506
	Issuer <Issr>	[1..1]			1506
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507
	SerialNumber <SrlNb>	[1..1]	Binary		1507
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1507
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1508
	Algorithm <Algo>	[1..1]	CodeSet		1508
	Parameter <Param>	[0..1]			1508
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1509
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1509
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1509
	Algorithm <Algo>	[1..1]	CodeSet		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1511
Or	KEK <KEK>	[1..1]			1511
	Version <Vrsn>	[0..1]	Quantity		1511
	KEKIdentification <KEKId>	[1..1]	±		1511
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1512
	Algorithm <Algo>	[1..1]	CodeSet		1512
	Parameter <Param>	[0..1]			1513
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1513
	InitialisationVector <InitlstrVctr>	[0..1]	Binary		1513
	BytePadding <BPddg>	[0..1]	CodeSet		1513
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1514

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1514

### 35.1.6.6.3 MACAlgorithm <MACAlgo>

*Presence:* [1..1]

*Definition:* Algorithm to compute message authentication code (MAC).

**MACAlgorithm <MACAlgo>** contains the following elements (see "[AlgorithmIdentification15](#)" on page 1514 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Algorithm <Algo>	[1..1]	CodeSet		1514
	Parameter <Param>	[0..1]			1515
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1516
	BytePadding <BPddg>	[0..1]	CodeSet		1516

### 35.1.6.6.4 EncapsulatedContent <NcpsltdCntt>

*Presence:* [1..1]

*Definition:* Data to authenticate.

**EncapsulatedContent <NcpsltdCntt>** contains the following elements (see "[EncapsulatedContent3](#)" on page 1489 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1489
	Content <Cntt>	[0..1]	Binary		1489

### 35.1.6.6.5 MAC <MAC>

*Presence:* [1..1]

*Definition:* Message authentication code value.

*Datatype:* "[Max140Binary](#)" on page 1526

### 35.1.6.7 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]			1505
	Version <Vrsn>	[0..1]	Quantity		1505
	RecipientIdentification <RcptId>	[1..1]			1505
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1506
	Issuer <Issr>	[1..1]			1506
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507
	SerialNumber <SrlNb>	[1..1]	Binary		1507
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1507
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1508
	Algorithm <Algo>	[1..1]	CodeSet		1508
	Parameter <Param>	[0..1]			1508
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1509
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1509
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1509
	Algorithm <Algo>	[1..1]	CodeSet		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1511
Or	KEK <KEK>	[1..1]			1511
	Version <Vrsn>	[0..1]	Quantity		1511
	KEKIdentification <KEKId>	[1..1]	±		1511
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1512
	Algorithm <Algo>	[1..1]	CodeSet		1512
	Parameter <Param>	[0..1]			1513
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1513
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1513
	BytePadding <BPddg>	[0..1]	CodeSet		1513
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1514
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1514

### 35.1.6.7.1 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		1505
	RecipientIdentification <Rcptld>	[1..1]			1505
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1506
	Issuer <Issr>	[1..1]			1506
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507
	SerialNumber <SrlNb>	[1..1]	Binary		1507
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1507
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1508
	Algorithm <Algo>	[1..1]	CodeSet		1508
	Parameter <Param>	[0..1]			1508
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1509
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1509
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1509
	Algorithm <Algo>	[1..1]	CodeSet		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1511

#### 35.1.6.7.1.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1574

#### 35.1.6.7.1.2 RecipientIdentification <Rcptld>

*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]			1506
	Issuer <Issr>	[1..1]			1506
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507
	SerialNumber <SrlNb>	[1..1]	Binary		1507
Or}	KeyIdentifier <Keyldr>	[1..1]	±		1507

#### 35.1.6.7.1.2.1 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]			1506
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507
	SerialNumber <SrlNb>	[1..1]	Binary		1507

#### 35.1.6.7.1.2.1.1 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..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507

#### 35.1.6.7.1.2.1.1.1 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		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507

#### 35.1.6.7.1.2.1.1.1.1 AttributeType <AttrTp>

*Presence:* [1..1]

*Definition:* Type of attribute of a distinguished name (see X.500).

*Datatype:* "AttributeType1Code" on page 1548

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).

#### 35.1.6.7.1.2.1.1.1.2 AttributeValue <AttrVal>

*Presence:* [1..1]

*Definition:* Value of the attribute of a distinguished name (see X.500).

*Datatype:* "Max140Text" on page 1576

#### 35.1.6.7.1.2.1.2 SerialNumber <SrINb>

*Presence:* [1..1]

*Definition:* Certificate serial number (see X.509).

*Datatype:* "Max35Binary" on page 1527

#### 35.1.6.7.1.2.2 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1422
	KeyVersion <KeyVrsn>	[1..1]	Text		1422
	SequenceNumber <SeqNb>	[0..1]	Quantity		1422
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1422

### 35.1.6.7.1.3 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		1508
	Parameter <Param>	[0..1]			1508
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1509
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1509
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1509
	Algorithm <Algo>	[1..1]	CodeSet		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510

#### 35.1.6.7.1.3.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Asymmetric encryption algorithm of a transport key.

*Datatype:* "[Algorithm7Code](#)" on page 1533

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).

#### 35.1.6.7.1.3.2 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		1509
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1509
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1509
	Algorithm <Algo>	[1..1]	CodeSet		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510

#### 35.1.6.7.1.3.2.1 EncryptionFormat <NcrptnFrmt>

*Presence:* [0..1]

*Definition:* Format of data before encryption, if the format is not plaintext or implicit.

*Datatype:* "EncryptionFormat1Code" on page 1555

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.

#### 35.1.6.7.1.3.2.2 DigestAlgorithm <DgstAlgo>

*Presence:* [0..1]

*Definition:* Identification of the digest algorithm.

*Datatype:* "Algorithm11Code" on page 1529

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).

#### 35.1.6.7.1.3.2.3 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		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510

#### 35.1.6.7.1.3.2.3.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Mask generator function cryptographic algorithm.

*Datatype:* "Algorithm8Code" on page 1533

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).

#### 35.1.6.7.1.3.2.3.2 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		1510

#### 35.1.6.7.1.3.2.3.2.1 DigestAlgorithm <DgstAlgo>

*Presence:* [0..1]

*Definition:* Digest algorithm used in the mask generator function.

*Datatype:* "Algorithm11Code" on page 1529

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).

#### 35.1.6.7.1.4 EncryptedKey <NcrptdKey>

*Presence:* [1..1]

*Definition:* Encrypted key encryption key (KEK).

*Datatype:* "Max5000Binary" on page 1527

#### 35.1.6.7.2 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		1511
	KEKIdentification <KEKId>	[1..1]	±		1511
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1512
	Algorithm <Algo>	[1..1]	CodeSet		1512
	Parameter <Param>	[0..1]			1513
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1513
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1513
	BytePadding <BPddg>	[0..1]	CodeSet		1513
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1514

#### 35.1.6.7.2.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1574

#### 35.1.6.7.2.2 KEKIdentification <KEKId>

*Presence:* [1..1]

*Definition:* Identification of the key encryption key (KEK).

**KEKIdentification <KEKId>** contains the following elements (see "KEKIdentifier2" on page 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <KeyId>	[1..1]	Text		1422
	KeyVersion <KeyVrsn>	[1..1]	Text		1422
	SequenceNumber <SeqNb>	[0..1]	Quantity		1422
	DerivationIdentification <DerivtnId>	[0..1]	Binary		1422

### 35.1.6.7.2.3 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		1512
	Parameter <Param>	[0..1]			1513
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1513
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1513
	BytePadding <BPddg>	[0..1]	CodeSet		1513

#### 35.1.6.7.2.3.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the algorithm.

*Datatype:* "Algorithm13Code" on page 1531

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).

### 35.1.6.7.2.3.2 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		1513
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1513
	BytePadding <BPddg>	[0..1]	CodeSet		1513

#### 35.1.6.7.2.3.2.1 EncryptionFormat <NcrptnFrmt>

*Presence:* [0..1]

*Definition:* Format of data before encryption, if the format is not plaintext or implicit.

*Datatype:* "EncryptionFormat1Code" on page 1555

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.

#### 35.1.6.7.2.3.2.2 InitialisationVector <InitlstnVctr>

*Presence:* [0..1]

*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.

*Datatype:* "Max500Binary" on page 1527

#### 35.1.6.7.2.3.2.3 BytePadding <BPddg>

*Presence:* [0..1]

*Definition:* Byte padding for a cypher block chaining mode encryption, if the padding is not implicit.

*Datatype:* "BytePadding1Code" on page 1549

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.

#### 35.1.6.7.2.4 EncryptedKey <NcrptdKey>

*Presence:* [1..1]

*Definition:* Encrypted key encryption key (KEK).

*Datatype:* "Max500Binary" on page 1527

#### 35.1.6.7.3 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 1422 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	KeyIdentification <Keyld>	[1..1]	Text		1422
	KeyVersion <KeyVrsn>	[1..1]	Text		1422
	SequenceNumber <SeqNb>	[0..1]	Quantity		1422
	DerivationIdentification <Derivtnld>	[0..1]	Binary		1422

#### 35.1.6.8 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		1514
	Parameter <Param>	[0..1]			1515
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1516
	BytePadding <BPddg>	[0..1]	CodeSet		1516

##### 35.1.6.8.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the MAC algorithm.

*Datatype:* "Algorithm12Code" on page 1530

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.

### 35.1.6.8.2 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		1516
	BytePadding <BPddg>	[0..1]	CodeSet		1516

#### 35.1.6.8.2.1 InitialisationVector <InitlStnVctr>

*Presence:* [0..1]

*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.

*Datatype:* "Max500Binary" on page 1527

#### 35.1.6.8.2.2 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 1549

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.

#### 35.1.6.9 EnvelopedData4

*Definition:* Encrypted data with encryption key.



Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1517
	Recipient <Rcpt>	[1..*]	±		1517
	EncryptedContent <NcrptdCntt>	[0..1]			1519
	ContentType <CnttTp>	[1..1]	CodeSet		1519
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1519
	Algorithm <Algo>	[1..1]	CodeSet		1520
	Parameter <Param>	[0..1]			1520
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1521
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1521
	BytePadding <BPddg>	[0..1]	CodeSet		1521
	EncryptedData <NcrptdData>	[1..1]	Binary		1521

#### 35.1.6.9.1 Version <Vrsn>

*Presence:* [0..1]

*Definition:* Version of the data structure.

*Datatype:* "Number" on page 1574

#### 35.1.6.9.2 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 1503 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
{Or	KeyTransport <KeyTrnsprt>	[1..1]			1505
	Version <Vrsn>	[0..1]	Quantity		1505
	RecipientIdentification <RcptId>	[1..1]			1505
{Or	IssuerAndSerialNumber <IssrAndSrlNb>	[1..1]			1506
	Issuer <Issr>	[1..1]			1506
	RelativeDistinguishedName <RltvDstngshdNm>	[1..*]			1506
	AttributeType <AttrTp>	[1..1]	CodeSet		1507
	AttributeValue <AttrVal>	[1..1]	Text		1507
	SerialNumber <SrlNb>	[1..1]	Binary		1507
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1507
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1508
	Algorithm <Algo>	[1..1]	CodeSet		1508
	Parameter <Param>	[0..1]			1508
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1509
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1509
	MaskGeneratorAlgorithm <MskGnrtrAlgo>	[0..1]			1509
	Algorithm <Algo>	[1..1]	CodeSet		1510
	Parameter <Param>	[0..1]			1510
	DigestAlgorithm <DgstAlgo>	[0..1]	CodeSet		1510
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1511
Or	KEK <KEK>	[1..1]			1511
	Version <Vrsn>	[0..1]	Quantity		1511
	KEKIdentification <KEKId>	[1..1]	±		1511
	KeyEncryptionAlgorithm <KeyNcrptnAlgo>	[1..1]			1512
	Algorithm <Algo>	[1..1]	CodeSet		1512
	Parameter <Param>	[0..1]			1513
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1513
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1513
	BytePadding <BPddg>	[0..1]	CodeSet		1513
	EncryptedKey <NcrptdKey>	[1..1]	Binary		1514

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
Or}	KeyIdentifier <KeyIdr>	[1..1]	±		1514

### 35.1.6.9.3 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		1519
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1519
	Algorithm <Algo>	[1..1]	CodeSet		1520
	Parameter <Param>	[0..1]			1520
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1521
	InitialisationVector <InitlStnVctr>	[0..1]	Binary		1521
	BytePadding <BPddg>	[0..1]	CodeSet		1521
	EncryptedData <NcrptdData>	[1..1]	Binary		1521

#### 35.1.6.9.3.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data which have been encrypted.

*Datatype:* "ContentType2Code" on page 1552

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).

#### 35.1.6.9.3.2 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		1520
	Parameter <Param>	[0..1]			1520
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1521
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1521
	BytePadding <BPddg>	[0..1]	CodeSet		1521

### 35.1.6.9.3.2.1 Algorithm <Algo>

*Presence:* [1..1]

*Definition:* Identification of the encryption algorithm.

*Datatype:* "Algorithm15Code" on page 1532

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).

### 35.1.6.9.3.2.2 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		1521
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1521
	BytePadding <BPddg>	[0..1]	CodeSet		1521

#### 35.1.6.9.3.2.2.1 EncryptionFormat <NcrptnFrmt>

*Presence:* [0..1]

*Definition:* Format of data before encryption, if the format is not plaintext or implicit.

*Datatype:* "EncryptionFormat1Code" on page 1555

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.

#### 35.1.6.9.3.2.2.2 InitialisationVector <InitlstnVctr>

*Presence:* [0..1]

*Definition:* Initialisation vector of a cipher block chaining (CBC) mode encryption.

*Datatype:* "Max500Binary" on page 1527

#### 35.1.6.9.3.2.2.3 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 1549

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.

#### 35.1.6.9.3.3 EncryptedData <NcrptdData>

*Presence:* [1..1]

*Definition:* Encrypted data, result of the content encryption.

*Datatype:* "Max100KBinary" on page 1526

### 35.1.6.10 ContentInformationType10

*Definition:* General cryptographic message syntax (CMS) containing encrypted data.

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	ContentType <CnttTp>	[1..1]	CodeSet		1522
	EnvelopedData <EnvlpdData>	[1..1]	±		1522

#### 35.1.6.10.1 ContentType <CnttTp>

*Presence:* [1..1]

*Definition:* Type of data protection.

*Datatype:* "ContentType2Code" on page 1552

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).

#### 35.1.6.10.2 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 1516 for details)

Or	MessageElement<XML Tag>	Mult.	Type	Constr. No.	Page
	Version <Vrsn>	[0..1]	Quantity		1517
	Recipient <Rcpt>	[1..*]	±		1517
	EncryptedContent <NcrptdCntt>	[0..1]			1519
	ContentType <CnttTp>	[1..1]	CodeSet		1519
	ContentEncryptionAlgorithm <CnttNcrptnAlgo>	[1..1]			1519
	Algorithm <Algo>	[1..1]	CodeSet		1520
	Parameter <Param>	[0..1]			1520
	EncryptionFormat <NcrptnFrmt>	[0..1]	CodeSet		1521
	InitialisationVector <InitlstnVctr>	[0..1]	Binary		1521
	BytePadding <BPddg>	[0..1]	CodeSet		1521
	EncryptedData <NcrptdData>	[1..1]	Binary		1521

## 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		1523
	AddressLine <AdrLine>	[0..5]	Text		1524
	StreetName <StrtNm>	[0..1]	Text		1524
	BuildingNumber <BldgNb>	[0..1]	Text		1524
	PostCode <PstCd>	[0..1]	Text		1524
	TownName <TwnNm>	[0..1]	Text		1524
	CountrySubDivision <CtrySubDvsn>	[0..1]	Text		1524
	Country <Ctry>	[1..1]	CodeSet	C1	1525

#### 35.1.7.1.1 AddressType <AdrTp>

*Presence:* [0..1]

*Definition:* Identifies the nature of the postal address.

*Datatype:* ["AddressType2Code"](#) on page 1529

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 1578

#### 35.1.7.1.3 StreetName <StrtNm>

*Presence:* [0..1]

*Definition:* Name of a street or thoroughfare.

*Datatype:* "Max70Text" on page 1578

#### 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 1576

#### 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 1576

#### 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 1577

#### 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 1577



35.1.7.1.8 Country <Ctry>

*Presence:* [1..1]  
*Definition:* Nation with its own government.  
*Impacted by:* C1 "Country"  
*Datatype:* "CountryCode" on page 1552

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 1553

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	RSAEncryption	RSA encryption algorithm - (ASN.1 Object Identifier: rsaEncryption).
RSAO	RSAAES-OAEP	RSA encryption scheme based on Optimal Asymmetric Encryption scheme (PKCS #1 version 2.1) - (ASN.1 Object Identifier: id-RSAES-OAEP).

#### 35.2.3.12 Algorithm8Code

*Definition:* Mask generator functions of the RSAAES-OAEP encryption algorithm (RSA Encryption Scheme: Optimal Asymmetric Encryption Padding).

*Type:* CodeSet

CodeName	Name	Definition
MGF1	MGF1	Generator Function, used for RSA encryption and RSA igital 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 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.

### 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-authorized 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 CryptographicKeyType3Code

*Definition:* Codes for qualifying the type of cryptographic keys.

*Type:* CodeSet

CodeName	Name	Definition
AES2	AES128	AES (Advanced Encryption Standard) 128 bits cryptographic key as defined by the Federal Information Processing

CodeName	Name	Definition
		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).

### 35.2.3.60 CryptographicKeyType4Code

*Definition:* Category of the cryptographic key.

*Type:* CodeSet

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.

### 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.
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.

CodeName	Name	Definition
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.

CodeName	Name	Definition
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.
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.
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).



CodeName	Name	Definition
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 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.

CodeName	Name	Definition
		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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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	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	EMVRSA	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.
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.



CodeName	Name	Definition
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 partialy 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.
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.

CodeName	Name	Definition
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	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.

CodeName	Name	Definition
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.
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.

CodeName	Name	Definition
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>.
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.
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.

CodeName	Name	Definition
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}
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**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

**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}

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}

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}

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}