

**Protocol Implementation Conformance Statement (PICS)
For Isode Release 15.0
for
M-Switch X.400
P3 Protocol**

Based on ISPICS Pro forma for ISO/IEC ISP 10611-4 (AMH12 and AMH14)

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In the event of a discrepancy becoming apparent in the body of this part of ISO/IEC ISP 10611 and the tables in this annex, this annex is to take precedence.

Clause A.1 specifies the basic requirements for conformance to profiles AMH12 and AMH14. Clause A.2 specifies additional requirements to those specified in A.1 for each of the optional functional groups if conformance to such a functional group is claimed. Clause A.3 allows additional information to be provided for certain aspects of an implementation where no specific requirements are included in ISO/IEC ISP 10611. All three clauses shall be completed as appropriate.

In each table, the "Base" column reflects the level of support required for conformance to the base standard and the "Profile" column specifies the level of support required by this ISP (using the classification and notation defined in 3.2).

The generic term "MTS-user" is used in the tables in this annex where the distinction between different types of MTS-user is not significant. Where a column is headed "UA", then an MS is only required to be able to pass through such elements transparently between a UA and the MTA.

The "Ref" column is provided for cross-referencing purposes. The notation employed for references also indicates composite elements which contain sub-elements (a sub-element reference is prefixed by the reference of the composite element).

The "Support" column is provided for completion by the supplier of the implementation as follows:

- | | |
|------------|--|
| Y | the element or feature is fully supported (i.e. satisfying the requirements of the m profile support classification) |
| Y- | the element or feature is minimally supported (i.e. satisfying the requirements of the m profile support classification) |
| N | the element or feature is not supported, further qualified to indicate the action taken on receipt of such an element as follows:
ND - the element is discarded/ignored
NR - the PDU is rejected (with an appropriate error indication where applicable) |
| – or blank | the element or feature is not applicable (i.e. a major feature or composite protocol element which includes this element or feature is not supported or is minimally supported) |

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A.0 Identification of the implementation

A.0.1 Identification of PICS

Ref	Question	Response
1	Date of statement (YYYY-MM-DD)	2011-03-14
2	PICS serial number	none
3	System conformance statement cross reference	

A.0.2 Identification of IUT

Ref	Question	Response
1	Implementation name	Isode M-Switch X.400
2	Implementation version	R15.0
3	Hardware name	n/a
4	Hardware version	n/a
5	Operating system name	n/a
6	Operating system version	n/a
7	Special configuration	n/a
8	Other information	

A.0.3 Identification of Supplier

Ref	Question	Response
1	Organization name	Isode Ltd
2	Contact name(s)	Sales
3	Address	5 Castle Business Village, Hampton, TW12 2BX, UK
4	Telephone number	+44 20 8783 2964
5	Fax number	
6	Telex number	
7	E-mail address	sales@isode.com
8	Other information	

A.0.4 Identification of protocol

Ref	Question	Response
1	Title, reference number and date of publication of the protocol standard	
2	Protocol version(s)	Not applicable
3	Addenda/amendments/corrigenda implemented	none
4	Defect reports implemented	not applicable

A.0.5 Type of implementation

Ref	Question	Response
1	MTS-user (UA or MS)	
2	MTA	Y

NOTE - A separate PICS shall be completed for each implementation type for which conformance is claimed.

A.0.6 Global statement of conformance

Ref	Question	Response
1	Are all mandatory base standards requirements implemented?	N

A.0.7 Statement of profile conformance

Ref	Question	Response	
1	profiles implemented	N	
1.1	Are all mandatory requirements of profile AMH12 implemented?	N	Core AMH12 Functionality is implemented
1.2	Are all mandatory requirements of profile AMH14 implemented?		
2	Are all mandatory requirements of any of the following optional functional groups implemented?	Y	
2.1	Conversion (CV)	Y	only applicable in the case of an MTA
2.2	Distribution List (DL)	Y	only applicable in the case of an MTA class(es)
2.3	Physical Delivery (PD)	Y	not applicable in the case of an MS
2.5	Redirection (RED)	Y	only applicable in the case of an MTA
2.5	Latest Delivery (LD)	Y	not applicable in the case of an MS

Ref	Question	Response	
2.6	Return of Content (RoC)	Y	
2.7	Security (SEC)	N	S0 supported apart from submission control
2.8	Use of Directory (DIR)	Y	
2.9	Simple Protected Password (SPP)	N	
2.10	Redirection Instructions (RED2)	N	not applicable in the case of an MS
2.11	Delivery Constraints (DC)	N	not applicable in the case of an MS
2.12	Restricted Delivery (RD)	N	not applicable in the case of an MS

A.1 Basic requirements

A.1.1 Supported application contexts

Ref	Application Context	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	mts-access-88	O	C ¹	C ⁴	C ^{1,4}	Y	
2	mts-forced-access-88	O	C ¹	C ⁴	C ^{1,4}	Y	Delivery Only
3	mts-reliable-access-88	O	O	C ⁵	C ⁵	NR	
4	mts-forced-reliable-access-88	O	O	C ⁵	C ⁵	NR	
5	mts-access-94	O	C ²	C ⁴	C ^{2,4}	NR	
6	mts-forced-access-94	O	C ²	C ⁴	C ^{2,4}	NR	
7	mts-reliable-access-94	O	C ³	C ⁵	C ^{3,4}	NR	
8	mts-forced-reliable-access-94	O	C ³	C ⁵	C ^{3,4}	NR	

1 - if conformance to AMH12 is claimed then m else o.

2 - if conformance to AMH14 is claimed then m else n/a.

3 - if conformance to AMH14 is claimed then o else n/a.

4 - If either of mts-access or mts-forced-access application contexts is supported, then both of them for that "year" shall be supported.

5 - If either of mts-reliable-access or mts-forced-reliable-access application contexts is supported, then all four contexts for that "year" shall be supported.

A 1.2 Supported operations

A 1.2.1 Bind and Unbind

Ref	Operation	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	MTSBind access	M	M	M	M	Y	see A.1.3.1
2	MTSUnbind access	M	M	M	M	Y	
3	MTSBind forced access	M	M	M	M	Y	see A.1.3.1
4	MTSUnbind forced access	M	M	M	M	Y	

A 1.2.2 Message Submission Service Element (MSSE)

Ref	Operation	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	MessageSubmission	M	M	M	M	Y	see A.1.3.2
2	ProbeSubmission	O	O	M	M	Y	see A.1.3.3
3	CancelDeferredDelivery	O	O	M	M	Y	see A.1.3.4
4	SubmissionControl	O	O	O	O	NR	see A.1.3.5

NOTE - If the MTS-user is an MS, then the requirement is only to be able to pass through these operations (i.e. between the MTA and a local or remote UA) unaltered.

A 1.2.3 Message Delivery Service Element (MDSE)

Ref	Operation	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	MessageDelivery	M	M	M	M	Y	see A.1.3.6
2	ReportDelivery	M	M	M	M	Y	see A.1.3.7
3	DeliveryControl	O	O	M	M	NR	see A.1.3.8

A 1.2.4 Message Administration Service Element (MASE)

Ref	Operation	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	Register	O	O	O	O	NR	see A.1.3.9
2	ChangeCredentials (MTA to UA)	O	O	O	O	N	see A.1.3.10
3	ChangeCredentials (UA to MTA)	O	O	O	O	NR	see A.1.3.10

NOTE - For a UA or MTA, some or all of the services and functionality supported by these operations may be implemented by other means as a local matter.

A 1.3 Operation arguments/results

A 1.3.1 MTSBind

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	initiator-name	M	M	M	M	Y	
1.1.1	user-agent	C ³	C ³	C ³	C ³	Y	see A.1.10.2
1.1.2	mTA	C ⁴	C ⁴	C ⁴	C ⁴	Y	
1.1.3	Message-store	C ⁵	C ⁵	C ³	C ³	Y	see A.1.10.2
1.2	messages-waiting	0	C ¹	0	C ¹	Y	
1.3	initiator-credentials	M	M	M	M	Y	
1.3.1	Simple	M	M	M	M	Y	
1.3.1.1	octet-string	O	M	O	M	Y	
1.3.1.2	ia5-string	O	O	O	O	Y	
1.3.2	Strong	O	O	O	O	NR	
1.3.2.1	bind-token	M	M	M	M		see A.1.8/7
1.3.2.2	Certificate	O	O	O	O		see A.1.8/8
1.3.2.3	Certificate-selector	O	O	O	O		see A.1.8/10
1.3.3	Protected	C ⁸	C ⁷	C ⁸	C ⁷	NR	
1.3.3.1	Signature	M	M	M	M		
1.3.3.1.1	Password	O	M	O	M		
1.3.3.1.2	time1	O	O	O	O		
1.3.3.1.3	time2	O	M	O	M		
1.3.3.1.4	random1	O	M	O	M		
1.3.3.1.5	random2	O	O	O	O		
1.3.3.2	time1	O	O	O	O		
1.3.3.3	time2	O	M	O	M		
1.3.3.4	random1	O	O	O	O		
1.3.3.5	random2	O	O	O	O		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1.4	security-context	O	O	O	O		
1.5	Extensions	C ⁸	C ⁷	C ⁸	C ⁷		
2	RESULT						
2.1	responder-name	M	M	M	M	Y	
2.1.1	user-agent	C ⁴	C ⁴	C ⁴	C ⁴	Y	
2.1.2	mTA	C ³	C ³	C ³	C ³	Y	
2.1.3	message-store	C ⁶	C ⁶	C ⁴	C ⁴	Y	
2.2	messages-waiting	O	C ²	O	C ²	Y	
2.3	responder-credentials	M	M	M	M	Y	
2.3.1	Simple	M	M	M	M	Y	
2.3.1.1	octet-string	O	M	O	M	Y	
2.3.1.2	ia5-string	O	O	O	O	Y	
2.3.2	Strong	O	O	O	O	NR	
2.3.2.1	bind-token	M	M	M	M		
2.3.2.1.1	signature-algorithm- -identifier	M	M	M	M		
2.3.2.1.2	Name	M	M	M	M		
2.3.2.1.3	Time	M	M	M	M		
2.3.2.1.4	signed-data	O	O	O	O		
2.3.2.1.5	encryption-algorithm- -identifier	O	O	O	O		
2.3.2.1.5	encrypted-data	O	O	O	O		
2.3.2.2	Certificate	O	O	O	O		
2.3.2.3	certificate-selector	O	O	O	O		
2.3.3	protected						
2.3.3.1	signature	M	M	M	M		
2.3.3.1.1	password	O	M	O	M		
2.3.3.1.2	time1	O	O	O	O		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
2.3.3.1.3	time2	O	M	O	M		
2.3.3.1.4	random1	O	M	O	M		
2.3.3.1.5	Random2	O	O	O	O		
2.3.3.2	time1	O	O	O	O		
2.3.3.3	time2	O	M	O	M		
2.3.3.4	random1	O	O	O	O		
2.3.3.5	random2	O	O	O	O		
2.4	extensions	C ⁸	C ⁷	C ⁸	C ⁷		
1 - if the MTA is the initiator then o else – 2 - if the MTS-user is the initiator then o else – 3 - if the MTS-user is the initiator then m else – 4 - if the MTA is the initiator then m else – 5 - if the MTS-user is a MS and is the initiator then m else – 6 - if the MTS-user is a MS and the MTA is the initiator then m else – 7 - if conformance to AMH14 is claimed then o else – 8 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else –							

A 1.3.2 Message Submission

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	envelope	M	M	M	M	Y	see A.1.4
1.2	content	M	M	M	M	Y	
2	RESULT						
2.1	message-submission-identifier	M	M	M	M	Y	see A.1.8/1
2.2	message-submission-time	M	M	M	M	Y	
2.3	content-identifier	O	C ¹	M	M	Y	
2.4	extensions	M	M	M	M	Y	see A.1.9/1
2.4.1	originating-MTA-certificate	O		O		N	see A.1.8/8
2.4.2	proof-of-submission	O		O		N	see A.1.9/7
2.4.3	originating-MTA-certificate-selector	O		O		N	see A.1.8/10

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
2.4.4	extensions	C ³	C ²	C ³	C ²	-	
1 - if supported in message submission envelope then m else – 2 - if conformance to AMH14 is claimed then o else – 3 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else –							

A 1.3.3 Probe Submission

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	envelope	M	M	M	M	Y	see A.1.5
2	RESULT						
2.1	probe-submission-identifier	M	M	M	M	Y	see A.1.8/1
2.2	probe-submission-time	M	M	M	M	Y	
2.3	content-identifier	O	C ¹	M	M	Y	
2.4	PrivateExtensions	C ³	C ²	C ³	C ²	-	
1 - if supported in probe submission envelope then m else – 2 - if conformance to AMH14 is claimed then o else – 3 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else –							

A 1.3.4 CancelDeferredDelivery

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	message-submission-identifier	M	M	M	M	Y	see A.1.8/1
2	RESULT						
2.1	NULL	M	M	M	M	Y	

A 1.3.5 SubmissionControl

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	controls	M	M	M	M		
1.1.1	restrict	M	M	O	M		
1.1.2	permissible-operations	M	M	O	O		
1.1.3	permissible-maximum -content-length	M	M	O	O		
1.1.4	permissible-lowest-priority	O	O	O	O		
1.1.5	permissible-security -context	O	O	O	O		see A.1.9/3
2	RESULT						
2.1	waiting	M	M	M	M		
2.1.1	waiting-operations	O	O	M	M		
2.1.2	waiting-operations	O	O	M	M		
2.1.3	waiting-content-types	O	O	M	M		
2.1.4	waiting-encoded -information-types	O	O	M	M		see A.1.8/3

A 1.3.6 MessageDelivery

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	(envelope)	M	M	M	M	Y	see A.1.6
1.2	content	M	M	M	M	Y	
2	RESULT						
2.1	recipient-certificate	O	O	O	O	N	see A.1.8/8
2.2	proof-of-delivery	O	O	O	O	N	see A.1.9/6
2.3	recipient-certificate-selector	O	O	O	O	N	see A.1.8/10
2.4	extensions	C ¹	C ²	C ¹	C ²	-	
1 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else –							

2 - if conformance to AMH14 is claimed then o else –
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A 1.3.7 ReportDelivery

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	(envelope)	M	M	M	M	Y	see A.1.7
1.2	returned-content	O	C ¹	O	C ¹	Y	
2	RESULT						
2.1	NULL	C ²	C ⁴	C ²	C ⁴	Y	
2.2	extensions	C ³	C ⁵	C ³	C ⁵	-	

1 - if supported in message submission envelope then m else –
2 - if any access-88 application context is supported (A.1.1 items 1, 2, 3 or 4) then m else o
3 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else –
4 - if conformance to AMH12 is claimed then m else –
5 - if conformance to AMH14 is claimed then o else –

A 1.3.8 DeliveryControl

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	control	M	M	M	M		
1.1.1	restrict	M	M	M	M		
1.1.2	permissible-operations	O	O	M	M		
1.1.3	permissible-maximum-content-length	O	O	M	M		
1.1.4	permissible-lowest-priority	O	O	M	M		
1.1.5	permissible-content-types	O	O	M	M		
1.1.6	permissible-encoded-information-types	O	O	M	M		If conformance to AMH12 is claimed see A.1.8/3
1.1.6.1	unacceptable-eits	C ¹	C ³	C ¹	C ³		
1.1.6.2	acceptable-eits	C ¹	C ³	C ¹	C ³		
1.1.6.3	exclusively-acceptable-eits	C ¹	C ²	C ¹	C ²		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1.1.7	permissible-security-context	O	O	O	O		see A.1.9/3
1.2	extensions	C ¹	C ²	C ¹	C ²		
2	RESULT						
2.1	waiting	M	M	M	M		
2.1.1	waiting-operations	M	M	O	O		
2.1.2	waiting-messages	M	M	O	O		
2.1.3	waiting-content-types	M	M	O	O		
2.1.4	waiting-encoded-information-types	M	M	O	O		see A.1.8/3
2.2	extensions	C ¹	C ²	C ¹	C ²		
1 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else – 2 - if conformance to AMH14 is claimed then o else – 3 - if conformance to AMH14 is claimed then m else –							

A 1.3.9 AMH12 Register

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	user-name	O	O	O	O		
1.2	user-address	O	O	O	O		
1.3	deliverable-encoded-information-types	O	O	O	M		see A.1.8/3
1.4	deliverable-maximum content-length	O	O	O	M		
1.5	default-delivery-controls	O	O	O	O		
1.5.1	restrict	O	O	O	M		
1.5.2	permissible-operations	O	O	O	M		
1.5.3	permissible-maximum content-length	O	O	O	M		
1.5.4	permissible-lowest-priority	O	O	O	M		
1.5.5	permissible-content-types	O	O	O	M		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
2	RESULT						
2.1	NULL	M	M	M	M		

A 1.3.11 AMH14 Register

This classification applies only to the AMH14 context. (The AMH12 register operation is specified in A.1.3.9)

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	ARGUMENT						
1.1	user-name	O	O	O	O		see A.1.10.2
1.2	user-address	O	O	O	O		
1.3	deliverable-class	O	O	O	O		
1.3.1	content-types	O	O	O	O		
1.3.2	maximum-content-length	O	O	O	O		
1.3.3	acceptable-encoded-information-types-constraints	O	O	O	O		
1.3.3.1	unacceptable-eits	O	M	M	M		
1.3.3.2	acceptable-eits	O	M	M	M		
1..3.3.3	exclusively-acceptable-eits	O	M	M	M		
1.3.4	security-labels	O	O	O	O		
1.3.5	extensions	O	O	O	O		
1.4	default-delivery-controls	O	O	O	O		
1.4.1	permissible-operations	O	O	O	M		
1.4.2	permissible-maximum-content-length	O	O	O	M		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1.4.3	permissible-lowest-priority	O	O	O	M		
1.4.4	permissible-content-types	O	O	O	M		
1.4.5	permissible-encoded-information-types	O	O	O	M		
1.4.5.1	unacceptable-eits	O	M	O	M		
1.4.5.2	acceptable-eits	O	M	O	M		
1.4.5.3	exclusively-acceptable-eits	O	O	O	O		
1.5	redirections	O	O	O	O		
1.5.1	redirections-classes	O	O	O	O		
1.5.1.1	content-types	O	O	O	O		
1.5.1.2	maximum-content-length	O	O	O	O		
1.5.1.3	acceptable-encoded-information-types-constraints	O	O	O	O		
1.5.1.3.1	unacceptable-eits	O	M	O	M		
1.5.1.3.2	acceptable-eits	O	M	O	M		
1.5.1.3.3	exclusively-acceptable-eits	O	M	O	M		
1.5.1.4	security-labels	O	O	O	O		see A.1.9/3
1.5.1.5	priority	O	O	O	O		
1.5.1.6	objects	O	O	O	M		
1.5.1.6.1	messages	O	O	O	O		
1.5.1.6.2	Reports	O	O	O	O		
1.5.1.6.3	Both	O	O	O	M		
1.5.1.7	Applies-only-to	O	O	O	O		
1.5.1.8	Extensions	O	O	O	O		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1.5.2	recipient-assigned-alternate-recipient	O	M	O	M		
1.6	redirected-delivery	O	O	O	O		see A.1.8/6
1.7	retrieve-registrations	O	O	O	O		
1.7.1	standard-parameters	O	M	O	M		
1.7.1.1	user-name	O	C ¹	O	C ¹		
1.7.1.2	user-address	O	C ¹	O	C ¹		
1.7.1.3	deliverable-class	O	C ¹	O	C ¹		
1.7.1.4	default-delivery-controls	O	C ¹	O	C ¹		
1.7.1.5	Redirections	O	C ¹	O	C ¹		
1.7.1.6	restricted-delivery	O	C ¹	O	C ¹		
1.7.2	Extensions	O	C ¹	O	C ¹		
1.8	extensions	O	O	O	O		
2	RESULT						
2.1	empty-result	O	M	O	M		
2.2	non-empty-result	O	C ²	O	C ²		
2.2.1	registered information	O	M	O	M		
2.2.1.1	user-name	O	O	O	O		see A.1.10.2
2.2.1.2	user-address	O	O	O	O		
2.2.1.3	deliverable-class	O	C ³	O	C ³		
2.2.1.3.1	content-types	O	C ³	O	C ³		
2.2.1.3.2	maximum-content-length	O		O			
2.2.1.3.3	acceptable-encoded-information-types-constraints	O	C ³	O	C ³		
2.2.1.3.3.1	unacceptable-eits	O	M	O	M		
2.2.1.3.3.2	acceptable-eits	O	M	O	M		
2.2.1.3.3.3	exclusively-acceptable-eits	O	M	O	M		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
2.2.1.3.4	security-labels	O	C ³	O	C ³		
2.2.1.3.5	extensions	O	C ³	O	C ³		
2.2.1.4	default-delivery-controls	O	C ³	O	C ³		
2.2.1.4.1	restrict	O	-	O	-		
2.2.1.4.2	permissible-operations	O	C ³	O	C ³		
2.2.1.4.3	permissible-maximum-content-length	O	C ³	O	C ³		
2.2.1.4.4	permissible-lowest-priority	O	C ³	O	C ³		
2.2.1.4.5	permissible-content-types	O	C ³	O	C ³		
2.2.1.4.6	permissible-encoded-information types	O	C ³	O	C ³		
2.2.1.4.6.1	unacceptable-eits	O	M	O	M		
2.2.1.4.6.2	acceptable-eits	O	M	O	M		
2.2.1.4.6.3	exclusively-acceptable-eits	O	O	O	O		
2.2.1.5	redirections	O	C ³	O	C ³		
2.2.1.5.1	redirections-classes	O	C ³	O	C ³		
2.2.1.5.1.1	content-types	O	C ³	O	C ³		
2.2.1.5.1.2	maximum-content-length	O	C ³	O	C ³		
2.2.1.5.1.3	acceptable-encoded-information-types-constraints	O	C ³	O	C ³		
2.2.1.5.1.3.1	unacceptable-eits	O	M	O	M		
2.2.1.5.1.3.2	acceptable-eits	O	M	O	M		
2.2.1.5.1.3.3	exclusively-acceptable-eits	O	M	O	M		
2.2.1.5.1.4	security-labels	O	C ³	O	C ³		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
2.2.1.5.1.5	priority	O	C ³	O	C ³		
2.2.1.5.1.6	objects	O	M	O	M		
2.2.1.5.1.6.1	Messages	O	O	O	O		
2.2.1.5.1.6.2	Reports	O	O	O	O		
2.2.1.5.1.6.3	Both	O	M	O	M		
2.2.1.5.1.7	applies-only-to	O	C ³	O	C ³		
2.2.1.5.1.8	extensions	O	C ³	O	C ³		
2.2.1.5.2	recipient-assigned -alternate-recipient	O	M	O	M		
2.2.1.6	redirected-delivery	O	C ³	O	C ³		see A.1.8/6
2.2.1.7	extensions	O	C ³	O	C ³		
2.2.2	extensions	O	O	O	O		

1 - if the corresponding attribute is supported as an argument then o else not applicable.
2 - If item 1.7 is supported then m else o.
3 - if the corresponding attribute is supported as an argument then m else not applicable.

A 1.4 MessageSubmissionEnvelope

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	Originator-name	M	M	M	M	Y	see A.1.10.2
2	original-encoded- information-types	M	M	M	M-	Y	see A.1.8/3
3	content-type	M	M	M	M-	Y	
4	content-identifier	O	O	M	M	Y	
5	priority	M	M	M	M	Y	
6	per-message-indicators	M	M	M	M	Y	
7	deferred-delivery-time	O	O	M	M	Y	
8	extensions	M	M	M	M	Y	see A.1.9/1
8.1	recipient-reassignment- prohibited	M	M ¹	O	M	Y	
8.2	dl-expansion-prohibited	O	M ¹	O	M	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
8.3	conversion-with-loss-prohibited	O	O	O	M	Y	
8.4	latest-delivery-time	O	O	O	O	Y	
8.5	originator-return-address	O	O	O	O	Y	see A.1.10.1
8.6	originator-certificate	O	O	O	O	Y	see A.1.8/8
8.7	content-confidentiality-algorithm-identifier	O	O	O	O	Y	
8.8	message-origin-authentication-check	O	O	O	O	U	see A.1.9/2
8.9	message-security-label	O	O	O	O	Y	see A.1.9/3
8.10	proof-of-submission-request	O		O		Y-	
8.11	content-correlator	O	O	M	M	Y	
8.12	certificate-selectors	O	O	O	O	Y	see A.1.9/9
8.13	multiple-originator-certificates	O	O	O	O	Y	see A.1.9/11
8.14	dl-exempted-recipients	O	O	O	O	Y	see A.1.10.1
8.15	PrivateExtensions	C ²	C ³	C ²	C ³	-	
9	per-recipient-fields	M	M	M	M	Y	
9.1	recipient-name	M	M	M	M	Y	see A.1.10.1
9.2	originator-report-request	M	M	M	M	Y	
9.3	explicit-conversion	O	O	O	M-	Y-	
9.4	extensions	M	M	M	M	Y	see A.1.9/1
9.4.1	originator-requested-alternate-recipient	O	O	O	O	Y	see A.1.10.1
9.4.2	requested-delivery-method	O	O	O	O	Y	
9.4.3	physical-forwarding-prohibited	O	O	O	O	Y	
9.4.4	physical-forwarding-address-request	O	O	O	O	Y	
9.4.5	physical-delivery-modes	O	O	O	O	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	Originator-name	M	M	M	M	Y	see A.1.10.2
9.4.6	registered-mail-type	O	O	O	O	Y	
9.4.7	recipient-number -for-advice	O	O	O	O	Y	
9.4.8	physical-rendition -attributes	O	O	O	O	Y	
9.4.9	physical-delivery -report-request	O	O	O	O	Y	
9.4.10	message-token	O	O	O	O	Y	see A.1.9/4
9.4.11	content-integrity-check	O	O	O	O	Y	
9.4.12	proof-of-delivery-request	O	O	O	O	Y	
9.4.13	certificate-selectors -override	O	O	O	O	Y	see A.1.9/10
9.4.14	recipient-certificate	O	O	O	O	Y	see A.1.8/8
9.4.15	IPMPPerRecipientEnvelope Extensions	O	O	O	O	Y	
9.4.16	PrivateExtensions	C ²	C ³	C ²	C ³	-	
1 - only the capability to generate the "prohibited" value is required 2 - f any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else – 3 - f conformance to AMH14 is claimed then o else –							

A 1.5 ProbeSubmissionEnvelope

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	Originator-name	M	M	M	M	Y	see A.1.10.2
2	original-encoded- information-types	M	M	M	M-	Y	see A.1.8/3
3	content-type	M	M	M	M-	Y	
4	content-identifier	O	O	M	M	Y	
5	content-length	O	M	M	M	Y	
6	per-message-indicators	M	M	M	M	Y	see A.1.8/5
7	extensions	M	M	M	M	Y	see A.1.9/1

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
7.1	recipient-reassignment -prohibited	O	M ¹	O	M	Y	
7.2	dl-expansion-prohibited	O	M ¹	O	M	Y	
7.3	conversion-with-loss -prohibited	O	O	O	M	Y	
7.4	originator-certificate	O	O	O	O	Y	see A.1.8/8
7.5	message-security-label	O	O	O	O	Y	see A.1.9/3
7.6	content-correlator	O	O	M	M	Y	
7.7	probe-origin-authentication -check	O	O	O	O	Y	see A.1.9/5
7.8	certificate-selectors	O	O	O	O	Y	see A.1.9/9
7.9	PrivateExtensions	C ²	C ³	C ²	C ³	-	
8	per-recipient-fields	M	M	M	M	Y	
8.1	recipient-name	M	M	M	M	Y	see A.1.10.1
8.2	originator-report-request	M	M	M	M	Y	
8.3	explicit-conversion	O	O	O	M-	Y-	
8.4	extensions	M	M	M	M	Y	see A.1.9/1
8.4.1	originator-requested -alternate-recipient	O	O	O	O	Y	see A.1.10.1
8.4.2	requested-delivery-method	O	O	O	O	Y	
8.4.3	physical-rendition -attributes	O	O	O	O	Y	
8.4.4.	PrivateExtensions	C ²	C ³	C ²	C ³	-	
1 - only the capability to generate the "prohibited" value is required 2 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else – 3 - if conformance to AMH14 is claimed then o else –							

A 1.6 MessageDeliveryEnvelope

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	message-delivery-identifier	M	M	M	M	Y	see A.1.8/1
2	message-delivery-time	M	M	M	M	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
3	other-fields	M	M	M	M	Y	
3.1	content-type	M	M	M	M	Y	
3.2	Originator-name	M	M	M	M	Y	see A.1.10.1
3.3	Original-encoded-Information-types	M	M	M	M	Y	see A.1.8/3
3.4	Priority	M	M	M	M	Y	
3.5	Delivery-flags	M	M	M	M	Y	
3.5.1	Implicit-conversion-prohibited	M	M	M	M	Y	
3.6	other-recipient-names	M	M	M	M	Y	see A.1.10.1
3.7	this-recipient-name	M	M	M	M	Y	see A.1.10.1
3.8	originally-intended-recipient-name	M	M	M	M	Y	see A.1.10.1
3.9	converted-encoded-information-types	M	M	M	M	Y	see A.1.9/1
3.10	message-submission-time	M	M	M	M	Y	
3.11	content-identifier	O	M	M	M	Y	
3.12	extensions	M	M	M	M	Y	see A.1.9/1
3.12.1	conversion-with-loss-prohibited	O	O	O	M	Y	
3.12.2	requested-delivery-method	O	O	O	O	Y	
3.12.3	physical-forwarding-prohibited	O	O	O	O	Y	
3.12.4	physical-forwarding-address-request	O	O	O	O	Y	
3.12.5	physical-delivery-modes	O	O	O	O	Y	
3.12.6	registered-mail-type	O	O	O	O	Y	
3.12.7	recipient-number-for-advice	O	O	O	O	Y	
3.12.8	physical-rendition-attributes	O	O	O	O	Y	
3.12.9	originator-return-address	O	O	O	O	Y	
Ref	Element	MTS-user		MTA		Support	Notes/References

		Base	Profile	Base	Profile		
3.12.10	physical-delivery-report -request	O	O	O	O	Y	
3.12.11	originator-certificate	O	O	O	O	Y	see A.1.8/8
3.12.12	message-token	O	O	O	O	Y	see A.1.9/4
3.12.13	content-confidentiality -algorithm-identifier	O	O	O	O	Y	
3.12.14	content-integrity-check	O	O	O	O	Y	
3.12.15	message-origin -authentication-check	O	O	O	O	Y	see A.1.9/2
3.12.16	message-security-label	O	O	O	O	Y	see A.1.9/3
3.12.17	proof-of-delivery-request	O	O	O	O	Y	
3.12.18	redirection-history	O	O	M	M	Y	
3.12.19	dl-expansion-history	O	O	M	M	Y	
3.12.20	trace-information	C ¹	C ²	C ¹	C ²	Y	
3.12.21	internal-trace-information	C ¹	C ²	C ¹	C ²	Y	
3.12.22	certificate-selectors	O	O	O	O	Y	see A.1.9/9
3.12.23	certificate-selectors- override	O	O	O	O	Y	see A.1.9/10
3.12.24	multiple-originator-certificate	O	O	O	O	Y	see A.1.9/11
3.12.25	recipient-certificate	O	O	O	O	Y	see A.1.8/8
3.12.26	dl-exempted-recipients	O	O	O	O	Y-	see A.1.10.1
3.12.27	IPMPerRecipientEnvelope Extensions	O	O	O	O	Y	
3.12.28	PrivateExtensions	C ¹	C ²	C ¹	C ²	-	
1 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else – 2 - if conformance to AMH14 is claimed then o else –							

A 1.7 ReportDeliveryEnvelope

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	subject-submission-identifier	M	M	M	M	Y	see A.1.8/1
2	content-identifier	O	C ¹	M	M	Y	
3	content-type	M	M	M	M	Y	
4	original-encoded-information-types	M	M	M	M	Y	see A.1.8/3
5	extensions	M	M	M	M	Y	see A.1.9/1
5.1	message-security-label	O	C ¹	O	O	Y	see A.1.9/3
5.2	content-correlator	O	C ¹	M	M	Y	
5.3	redirection-history	C ²	C ⁴	C ³	C ⁵	Y	
5.4	originator-and-DL-expansion-history	M	M	M	M	Y	
5.5	reporting-DL-name	O	M	O	M	Y	see A.1.10.1
5.6	reporting-MTA-certificate	O	O	O	O	Y	see A.1.8/8
5.7	report-origin-authentication-check	O	O	O	O	Y	see A.1.9/8
5.8	trace-information	C ²	C ⁴	C ²	C ⁴	Y	
5.9	internal-trace-information	C ²	C ⁴	C ²	C ⁴	Y	
5.10	reporting-MTA-certificate-selector	O	O	O	O	Y	see A.1.8/10
5.11	reporting-MTA-name	C ²	C ⁴	C ³	C ⁵	Y	see A.1.9/12
5.12	PrivateExtensions	C ²	C ⁴	C ²	C ⁴	-	
6	per-recipient-fields	M	M	M	M	Y	
6.1	actual-recipient-name	M	M	M	M	Y	see A.1.10.1
6.2	delivery	M	M	M	M	Y	
6.2.1	message-delivery-time	M	M	M	M	Y	
6.2.2	type-of-MTS-user	M	M	M	M	Y	
6.3	non-delivery	M	M	M	M	Y	
6.3.1	non-delivery-reason-code	M	M	M	M	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
6.3.2	non-delivery-diagnostic-code	O	M	M	M	Y	
6.4	converted-encoded-information-types	O	M	M	M	Y	see A.1.8/3
6.5	originally-intended-recipient-name	M	M	M	M	Y	see A.1.10.1
6.6	supplementary-information	O	O	O	M	Y	
6.7	extensions	M	M	M	M	Y	see A.1.9/1
6.7.1	redirection-history	O	O	M	M	Y	
6.7.2	physical-forwarding-address	O	C ¹	O	O	Y	
6.7.3	recipient-certificate	O	O	O	O	Y	see A.1.8/8
6.7.4	proof-of-delivery	O	C ¹	O	C ¹	Y	see A.1.9/6
6.7.5	recipient-certificate-selector	O	O	O	O	Y	see A.1.8/10
6.7.6	PrivateExtensions	C ²	C ⁴	C ²	C ¹	Y	
<p>1 - if supported in message submission envelope then m else i 2 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then o else – 3 - if any access-94 application context is supported (A.1.1 items 5, 6, 7 or 8) then m else o 4 - if conformance to AMH14 is claimed then o else – 5 - if conformance to AMH14 is claimed then m else –</p>							

A 1.8 Common data types

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	MTSIdentifier						
1.1	global-domain-identifier	M	M	M	M	Y	see A.1.8/2
1.2	local-identifier	M	M	M	M	Y	
2	GlobalDomainIdentifier						
2.1	country-name	M	M	M	M	Y	
2.2	administration-domain-name	M	M	M	M	Y	
2.3	private-domain-identifier	M	M	M	M	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
3	EncodedInformationTypes						
3.1	built-in-encoded -information-types-	M	M	M	M	Y	
3.2	(non-basic parameters)	O	O	O	O	Y-	
3.3	extended-encoded- information-types	M	M	M	M	Y	
4	ContentType						
4.1	built-in	O	O	O	M	Y	
4.2	Extended	O	O	O	M	Y	
5	PerMessageIndicators						
5.1	disclosure-of-other -recipients	O	O	M	M	Y	
5.2	implicit-conversion -prohibited	M	M	M	M	Y	
5.3	alternate-recipient-allowed	O	O	M	M	Y	
5.4	content-return-request	O	O	O	O	Y	
5.5	reserved	O	O	O	M-	Y-	
5.6	Bit-5	O	O	O	M-	Y-	
5.7	Bit-6	O	O	O	M-	Y-	
5.8	service-message	O	O	O	M-	Y-	
6	Restricted						
6.1	permitted	O	M	O	M		
6.2	source-type	O	M	O	M		
6.2.1	originated-by	O	M	O	M		
6.2.2	redirected-by	O	M	O	M		
6.2.3	dl-expanded-by	O	M	O	M		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
6.3	source-name	O	M	O	M		
6.3.1	exact-match	O	M	O	M		
6.3.2	pattern-match	O	M	O	M		
7	BindToken	M	M	M	M		
7.1	signature-algorithm -identifier	M	M	M	M		
7.2	name	M	M	M	M		
7.3	time	M	M	M	M		
7.4	signed-data	M	M	M	M		
7.5	encryption-algorithm -identifier	O	O	O	O		
7.6	encrypted-data	O	O	O	O		
8	Certificates						
8.1	userCertificate	M	M	M	M		see A.1.8/9
8.2	certificationPath	O	M	O	M		see A.1.8/9
9	Certificate						
9.1	version	O	M	O	M		
9.2	serialNumber	M	M	M	M		
9.3	signature	M	M	M	M		
9.4	issuer	M	M	M	M		
9.5	validity	M	M	M	M		
9.6	subject	M	M	M	M		
9.7	subjectPublicKeyInfo	M	M	M	M		
9.8	issuerUniqueIdentifier	O	O	O	O		
9.9	subjectUniqueIdentifier	O	O	O	O		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
9.10	extensions	M	M	M	M		
9.10.1	authorityKeyIdentifier	O	O	O	O		
9.10.2	subjectKeyIdentifier	O	O	O	O		
9.10.3	keyUsage	O	M	O	M		
9.10.4	extKeyUsage	O	O	O	O		
9.10.5	privateKeyUsagePeriod	O	M	O	M		
9.10.6	certificatePolicies	O	M	O	M		
9.10.7	policyMappings	O	O	O	O		
9.10.8	subjectAltName	O	M	O	M		
9.10.8.1	otherName	O	M-	O	M-		
9.10.8.1.1	mta-name	O	M-	O	M-		
9.10.8.2	rfc822Name	-	-	-	-		
9.10.8.3	dNSName	-	-	-	--		
9.10.8.4	x400Address	O	M-	O	M-		
9.10.8.5	directoryName	O	M-	O	M-		
9.10.8.6	ediPartyName	-	-	-	-		
9.10.8.7	uniformResourceIdentifier	-	-	-	-		
9.10.8.8	iPAddress	-	-	-	-		
9.10.8.9	registeredID	-	-	-	-		
9.10.9	issuerAltName	O	O	O	O		
9.10.10	subjectDirectoryAttributes	O	O	O	O		
9.10.11	basicConstraints	O	M	O	M		
9.10.12	nameConstraints	O	O	O	O		
9.10.13	policyConstraints	O	O	O	O		
9.10.14	cRLDistributionPoints	O	O	O	O		
10	CertificateAssertion						

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
3	SecurityLabel						also named security message label
3.1	security-policy-identifier	O	O	O	M-		
3.2	security-classification	O	O	O	M-		
3.3	privacy-mark	O	O	O	M-		
3.4	security-categories	O	O	O	M-		
4	MessageToken						
4.1	token-type-identifier	M	M	M	M		
4.2	asymmetric-token	M	M	M	M		
4.2.1	signature-algorithm-identifier	M	M	M	M		
4.2.2	Name	M	M	M	M		
4.2.3	Time	M	M	M	M		
4.2.4	signed-data	O	O	O	M-		
4.2.4.1	content-confidentiality-algorithm-identifier	O	O	O	M-		
4.2.4.2	content-integrity-check	O	O	O	M-		
4.2.4.3	message-security-label	O	O	O	M-		see A.1.9/3
4.2.4.4	proof-of-delivery-request	O	O	O	M-		
4.2.4.5	message-sequence-number	O	O	O	M-		
4.2.5	encryption-algorithm-identifier	O	O	O	M-		
4.2.6	encrypted-data	O	O	O	M-		
4.2.6.1	content-confidentiality-key	O	O	O	M-		
4.2.6.2	content-integrity-check	O	O	O	M-		
4.2.6.3	message-security-label	O	O	O	M-		see A.1.9/3
4.2.6.4	content-integrity-key	O	O	O	M-		
4.2.6.5	message-sequence-number	O	O	O	M-		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
5	ProbeOriginAuthenticationCheck						
5.1	algorithm-identifier	M	M	M	M		
5.2	content-identifier	O	M	O	M		
5.3	message-security-label	O	M	O	M		see A.1.9/3
6	ProofOfDelivery						
6.1	algorithm-identifier	M	M	M	M		
6.2	delivery-time	M	M	M	M		
6.3	this-recipient-name	M	M	M	M		see A.1.10.1
6.4	originally-intended-recipient-name	O	O	O	M		see A.1.10.1
6.5	Content	M	M	M	M		
6.6	content-identifier	O	M	O	M		
6.7	message-security-label	O	M	O	M		see A.1.9/3
7	ProofOfSubmission						
7.1	algorithm-identifier	M	M	M	M		
7.2	message-submission-envelope	M	M	M	M		
7.3	content	M	M	M	M		
7.4	message-submission-identifier	M	M	M	M		
7.5	message-submission-time	M	M	M	M		
8	ReportOriginAuthenticationCheck						
8.1	algorithm-identifier	M	M	M	M		
8.2	content-identifier	O	M	O	M		
8.3	message-security-label	O	M	O	M		see A.1.9/3
8.4	per-recipient	M	M	M	M		

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
8.4.1	actual-recipient-name	M	M	M	M		see A.1.10.1
8.4.2	originally-intended-recipient-name	O	M	O	M		see A.1.10.1
8.4.3	Delivery	O	M	O	M		
8.4.3.1	message-delivery-time	M	M	M	M		
8.4.3.2	type-of-MTS-user	M	M	M	M		
8.4.3.3	recipient-certificate	O	M	O	M		see A.1.8/8
8.4.3.4	proof-of-delivery	O	M	O	M		see A.1.9/6
8.4.3.5	recipient-certificate-selector	O	M	O	M		see A.1.8/10
8.4.4	non-delivery	O	M	O	M		
8.4.4.1	non-delivery-reason-code	M	M	M	M		
8.4.4.2	non-delivery-diagnostic-code	O	M	O	M		
9	CertificateSelectors						
9.1	encryption-recipient	O	M-	O	M-		see A.1.8/10
9.2	encryption-originator	O	M-	O	M-		see A.1.8/10
9.3	content-integrity-check	O	M-	O	M-		see A.1.8/10
9.4	token-signature	O	M-	O	M-		see A.1.8/10
9.5	message-origin-authentication	O	M-	O	M-		see A.1.8/10
10	CertificateSelectorsOverride						
10.1	encryption-recipient	O	M-	O	M-		see A.1.8/10
10.2	encryption-originator	O	M-	O	M-		see A.1.8/10
10.3	content-integrity-check	O	M-	O	M-		see A.1.8/10
10.4	token-signature	O	M-	O	M-		see A.1.8/10
11	ExtendedCertificate						

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
11.1	directory-entry	O	M-	O	M-		
11.2	Certificate	O	M	O	M		see A.1.8/8
12	ReportingMTAName						
12.1	domain	M	M	M	M		see A.1.8/2
12.2	mta-name	M	M	M	M		
12.3	mta-directory-name	O	M-	O	M-		

A 1.10 OR-names

A1.10.1 OR-name forms for identification of remote MTS-users

Ref	OR-Name Form	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	mnemonic OR-address	M	M	M	M-	Y	see A.1.10.3
2	numeric OR-address	O	O	M	M-	Y	see A.1.10.4
3	terminal OR-address	O	O	M	M-	Y	see A.1.10.5
4	formatted postal OR-address	O	O	O	M-	Y	see A.1.10.6
5	unformatted postal OR-address	O	O	O	M-	Y	see A.1.10.7
6	directory-name	O	O	O	C ¹	Y	

1 - if the Designation of Recipient by Directory Name EoS is supported then m else if the OR-address is also present then m- else o

A1.10.2 OR-name forms for local MTS-user authentication

Ref	OR-Name Form	MTS-user				Support	Notes/References
		Base	Profile				
1	mnemonic OR-address	O	M				see A.1.10.3
2	numeric OR-address	O	O				see A.1.10.4
3	terminal OR-address	O	O				see A.1.10.5
Ref	OR-Name Form	MTS-user				Support	Notes/References

		Base	Profile				
4	formatted postal OR-address	-	-				
5	unformatted postal OR-address	-	-				
6	directory-name	O	O				
NOTE For the MTA the registration capabilities are stated in table A.3.4.							

The following tables shall be completed according to the OR-address forms for which support is claimed above.

A1.10.3 Mnemonic OR-address

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	built-in-standard-attributes	M	M	M	M	Y	
1.1	country-name	M	M	M	M	Y	
1.2	administration-domain-name	M	M	M	M	Y	
1.3	private-domain-name	O	M	O	M-	Y	
1.4	organization-name	O	M	O	M-	Y	
1.5	personal-name	O	M	O	M-	Y	
1.5.1	Surname	M	M	M	M	Y	
1.5.2	given-name	O	M	O	M-	Y	
1.5.3	Initials	O	M	O	M-	Y	
1.5.4	generation-qualifier	O	M	O	M-	Y	
1.6	organizational-unit-names	O	M	O	M-	Y	
2	built-in-domain-defined-attributes	O	M	O	M-	Y	
3	extension-attributes	O	M	O	M-	Y	
3.1	common-name	O	M	O	M-	Y	
3.2	teletex-common-name	O	M	O	M-	Y	
3.3	universal-common-name	O	M	O	M-	Y	see A.1.10.8
3.4	teletex-organization-name	O	M	O	M-	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
3.5	universal-organization-name	O	M	O	M-	Y	see A.1.10.8
3.6	teletex-personal-name	O	M	O	M-	Y	
3.6.1	Surname	M	M	M	M	Y	
3.6.2	given-name	O	M	O	M-	Y	
3.6.3	Initials	O	M	O	M-	Y	
3.6.4	generation-qualifier	O	M	O	M-	Y	
3.7	universal-personal-name	O	M	O	M-	Y	
3.7.1	Surname	M	M	M	M	Y	see A.1.10.8
3.7.2	given-name	O	M	O	M-	Y	see A.1.10.8
3.7.3	Initials	O	M	O	M-	Y	see A.1.10.8
3.7.4	generation-qualifier	O	M	O	M-	Y	see A.1.10.8
3.8	teletex-organizational-unit-names	O	M	O	M-	Y	
3.9	universal-organizational-unit-names	O	M	O	M-	Y	see A.1.10.8
3.10	teletex-domain-defined-attributes	O	M	O	M-	Y	
3.11	Universal-domain-defined-attributes	O	M	O	M-	Y	see A.1.10.8

A1.10.4 Numeric OR-address

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	built-in-standard-attributes	M	M	M	M	Y	
1.1	country-name	M	M	M	M	Y	
1.2	administration-domain-name	M	M	M	M	Y	
1.3	private-domain-name	O	M	O	M-	Y	
1.4	numeric-user-identifier	M	M	M	M-	Y	
2	built-in-domain-defined-attributes	O	M	O	M-	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
3	extension-attributes	O	M	O	M-	Y	
3.1	teletex-domain-defined-attributes	O	M	O	M-	Y	
3.2	universal-domain-defined-attributes	O	M	O	M-	Y	see A.1.10.8

A1.10.5 Terminal OR-address

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	built-in-standard-attributes	M	M	M	M	Y	
1.1	country-name	O	M	O	M-	Y	
1.2	administration-domain-name	O	M	O	M-	Y	
1.3	network-address	M	M	M	M	Y	
1.4	terminal-identifier	O	M	O	M-	Y	
1.5	private-domain-name	O	M	O	M-	Y	
1.6	organization-name	O	O	O	O	Y	
1.7	personal-name	O	O	O	O	Y	
1.8	organizational-unit-names	O	O	O	O	Y	
2	built-in-domain-defined-attributes	O	M	O	M-	Y	
3	extension-attributes	O	M	O	M-	Y	
3.1	extended-network-address	M	M	M	M	Y	
3.1.1	e163-4-address	C ¹	C ¹	O	M-	Y	
3.1.2	psap-address	C ¹	C ¹	O	M-	Y	
3.2	terminal-type	O	M	O	M-	Y	
3.3	common-name	O	O	O	O	Y	
3.4	teletex-common-name	O	O	O	O	Y	
3.5	universal-common-name	O	O	O	O	Y	see A.1.10.8
3.6	teletex-organization-name	O	O	O	O	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
3.7	universal-organization -name	O	O	O	O	Y	see A.1.10.8
3.8	teletex-personal-name	O	O	O	O	Y	
3.9	universal-personal-name	O	O	O	O	Y	see A.1.10.8
3.10	teletex-organizationa -unit-names	O	O	O	O	Y	
3.11	universal-organizational -unit-name	O	O	O	O	Y	see A.1.10.8
3.12	unformatted-postal-address	O	O	O	O	Y	
3.13	Universal-unformatted -postal-address	O	O	O	O	Y	see A.1.10.8
3.14	teletex-domain-defined -attributes	O	M	M	M	Y	
3.15	Universal-domain-defined- attributes	O	M	M	M	Y	see A.1.10.8
1- At least one of the elements 'e163-4-address' and 'psap-address' shall be supported							

A1.10.6 Formatted postal OR-address

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	built-in-standard-attributes	M	M	M	M	Y	
1.1	country-name	M	M	M	M	Y	
1.2	administration-domain -name	M	M	M	M	Y	
1.3	private-domain-name	O	M	O	M-	Y	
2	extension-attributes	M	M	M	M	Y	
2.1	physical-delivery-country -name	M	M	M	M	Y	
2.2	physical-delivery-office -name	O	M	O	M-	Y	
2.3	universal-physical-delivery -office-name	O	M	O	M-	Y	see A.1.10.8
2.4	physical-delivery- office-number	O	M	O	M-	Y	

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
2.5	universal-physical-delivery-office-number	O	M	O	M-	Y	see A.1.10.8
2.6	physical-delivery-organization-name	O	M	O	M-	Y	
2.7	universal-delivery-organization-name	O	M	O	M-	Y	see A.1.10.8
2.8	physical-delivery-personal-name	O	M	O	M-	Y	
2.9	universal-physical-delivery-personal-name	O	M	O	M-	Y	see A.1.10.8
2.10	postal-code	M	M	M	M	Y	
2.11	poste-restante-address	O	M	O	M-	Y	
2.12	universal-poste-restante-address	O	M	O	M-	Y	see A.1.10.8
2.13	post-office-box-address	O	M	O	M-	Y	
2.14	post-office-box-address	O	M	O	M-	Y	see A.1.10.8
2.15	pds-name	O	M	O	M-	Y	
2.16	street-address	O	M	O	M-	Y	
2.17	universal-street-address	O	M	O	M-	Y	see A.1.10.8
2.18	unique-postal-name	O	M	O	M-	Y	
2.19	universal-unique-postal-name	O	M	O	M-	Y	see A.1.10.8
2.20	extension-OR-address-components	O	M	O	M-	Y	
2.21	universal-extension-OR-address-components	O	M	O	M-	Y	see A.1.10.8
2.22	extension-physical-delivery-address components	O	M	O	M-	Y	
2.23	universal-extensimon-physical-delivery-address-components	O	M	O	M-	Y	see A.1.10.8
2.24	local-postal-attributes	O	M	O	M-	Y	
2.25	universal-local-postal-attributes	O	M	O	M-	Y	see A.1.10.8

A1.10.7 Unformatted postal OR-address

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	built-in-standard-attributes	M	M	M	M	Y	
1.1	country-name	M	M	M	M	Y	
1.2	administration-domain-name	M	M	M	M	Y	
1.3	private-domain-name	O	M	O	M-	Y	
2	extension-attributes	M	M	M	M	Y	
2.1	unformatted-postal-address	M	M	M	M	Y	
2.2	universal-unformatted-postal-address	M	M	M	M	Y	see A.1.10.8
2.3	physical-delivery-country-name	M	M	M	M	Y	
2.4	postal-code	M	M	M	M	Y	
2.5	pds-name	O	M	O	M-	Y	

A1.10.8 UniversalOrBMPString

Ref	Element	MTS-user		MTA		Support	Notes/References
		Base	Profile	Base	Profile		
1	UniversalOrBMPString						
1.1	character-encoding						
1.1.1	two-octets	M	M ¹	M	M	Y	
1.1.2	four-octets	M	M ¹	M	M	Y	
1.2	iso-639-language-code	O	O	O	O	Y	
<p>1 - this mandatory requirement is to support either alternative character-encoding on origination, and both alternatives on reception.</p>							

A.2 Optional functional groups

The following requirements are additional to those specified in A.1 if support of the functional group is claimed (references are to the corresponding table entries in A.1).

A.2.1 Conversion (CV)

A.2.1.1 MessageSubmissionEnvelope

Ref	Element	Profile	
		UA	MTA
A.1.4/9.3	explicit-conversion		C ¹
1 - if implicit conversion is not supported (see A.3.3/2) then m else m-			

A.2.1.2 ProbeSubmissionEnvelope

Ref	Element	Profile	
		UA	MTA
A.1.5/8.3	conversion		C ¹
1 - if implicit conversion is not supported (see A.3.3/2) then m else m-			

A.2.2 Distribution List (DL)

There are no additional requirements for support of protocol elements for support of the DL FG, unless one of the supplementary classes is claimed. However, MTAs shall meet the requirements specified in subclause 7.2 of ISO/IEC ISP 10611-1.

A.2.2.1 Secure DL classes (DL+SEC and DL+DIR+SEC)

A.2.2.1.1 MessageSubmissionEnvelope

Ref	Element	Profile	
		UA	MTA
A.1.4/8.6	originator-certificate		M
A.1.4/8.12	certificate-selectors		M
A.1.4/8.13	multiple-originator-certificates		M
A.1.4/9.4.10	message-token		M
A.1.4/9.4.13	certificate-selectors-override		M
A.1.4/9.4.14	recipient-certificate		C ¹
1 - m for reception only, otherwise o.			

A.2.2.2 DL Exempted Recipients class (DL+ER)**A.2.2.2.1 MessageSubmissionEnvelope**

Ref	Element	Profile	
		UA	MTA
A.1.4/8.14	dl-exempted-recipients	M	M

A.2.2.2.2 MessageDeliveryEnvelope

Ref	Element	Profile	
		MTS-User	MTA
A.1.6/3.12.26	dl-exempted-recipients	M	M

A.2.3 Physical Delivery (PD)

The support requirements specified below are for a UA and for an MTA on submission, and for an MTA with a co-located PDAU on delivery, as appropriate.

A.2.3.1 MessageSubmissionEnvelope

Ref	Element	Profile	
		UA	MTA
A.1.4/8.5	originator-return-address		M
A.1.4/9.4.3	physical-forwarding-prohibited	M	M
A.1.4/9.4.4	physical-forwarding-address-requirement		M
A.1.4/9.4.5	physical-delivery-modes	M	M
A.1.4/9.4.6	registered-mail-type		M
A.1.4/9.4.7	recipient-number-for-advice		M
A.1.4/9.4.8	physical-rendition-attributes		M
A.1.4/9.4.9	physical-delivery-report-request		M

A.2.3.2 ProbeSubmissionEnvelope

Ref	Element	Profile	
		UA	MTA
A.1.5/8.4.3	physical-rendition-attributes		M

A.2.3.3 MessageDeliveryEnvelope

Ref	Element	Profile	
		PDUA	MTA
A.1.6/3.12.3	physical-forwarding-prohibited	M	M
A.1.6/3.12.5	physical-delivery-modes		M
A.1.6/3.12.8	physical-rendition-attributes		M
A.1.6/3.12.10	physical-delivery-report-request		M

A.2.3.4 ReportDeliveryEnvelope

Ref	Element	Profile	
		MTS-User	MTA
A.1.7/6.7.2	physical-forwarding-address		M

A.2.3.5 OR-names

Ref	OR-Address Form	Profile	
		MTS-User	MTA
A.1.10.1/4	formatted postal OR-address	M	M
A.1.10.1/5	unformatted postal OR-address	M	M

A.2.3.5.1 Formatted postal OR-address

Ref	OR-Address Form	Profile	
		MTS-User	MTA
A.1.10.6/2.2	physical-delivery-office-name		M
A.1.10.6/2.3	universal-physical-delivery-office-name		M
A.1.10.6/2.4	physical-delivery-office-number		M
A.1.10.6/2.5	universal-physical-delivery-office-number		M
A.1.10.6/2.6	physical-delivery-organization-name		M
A.1.10.6/2.7	universal-physical-delivery-organization-name		M

Ref	OR-Address Form	Profile	
		MTS-User	MTA
A.1.10.6/2.8	physical-delivery-personal-name		M
A.1.10.6/2.9	universal-physical-delivery-personal-name		M
A.1.10.6/2.11	poste-restante-address		M
A.1.10.6/2.12	universal-poste-restante-address		M
A.1.10.6/2.13	post-office-box-address		M
A.1.10.6/2.14	universal-post-office-box-address		M
A.1.10.6/2.15	pds-name		M
A.1.10.6/2.16	street-address		M
A.1.10.6/2.17	universal-street-address		M
A.1.10.6/2.18	unique-postal-name		M
A.1.10.6/2.19	universal-unique-postal-name		M
A.1.10.6/2.20	extension-OR-address-components		M
A.1.10.6/2.21	universal-extension-OR-address-components		M
A.1.10.6/2.22	extension-physical-delivery-address-components		M
A.1.10.6/2.23	universal-extension-physical-delivery-address-components		M
A.1.10.6/2.24	local-postal-attributes		M
A.1.10.6/2.25	universal-local-postal-attributes		M

A.2.3.5.2 Unformatted postal OR-address

Ref	OR-Address Form	Profile	
		MTS-User	MTA
A.1.10.7/2.5	pds-name		M

A.2.4 Redirection (RED)**A.2.4.1 MessageSubmissionEnvelope**

Ref	OR-Address Form	Profile	
		UA	MTA
A.1.4/9.4.1	originator-requested-alternate-recipient		M

A.2.4.2 ProbeSubmissionEnvelope

Ref	Element	Profile	
		UA	MTA
A.1.4/9.4.1	originator-requested-alternate-recipient		M

A.2.5 Latest Delivery (LD)**A.2.5.1 MessageSubmissionEnvelope**

Ref	Element	Profile	
		MTS-User	MTA
A.1.4/8.4	latest-delivery-time	M	M

A.2.6 Return of Content (RoC)**A.2.6.1 Operation arguments/results****A.2.6.1.1 Report Delivery**

Ref	Element	Profile	
		MTS-User	MTA
A.1.3.7/1.2	returned-content	M	M

A.2.6.2 Common data types

Ref	Element	Profile	
		MTS-User	MTA
A.1.8/5	PerMessageIndicators		
A.1.8/5.4	content-return-request	M	M

A.2.7 Security (SEC)

The support requirements for all SEC classes are as specified in A.1 unless otherwise specified below. Elements classified as cC shall be treated as m if support of a confidential security class variant (SnC) is claimed, else as o.

A.2.7.1 Supported operations

A.2.7.1.1 Message Submission Service Element (MSSE)

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.2.2/4	SubmissionControl				M	M	M

A.2.7.1.2 Message Delivery Service Element (MDSE)

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.2.3/3	DeliveryControl		M	M			

A.2.7.1.3 Message Administration Service Element (MASE)

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.2.4/2	ChangeCredentials (MTA to UA)						
A.1.2.4/3	ChangeCredentials (UA to MTA)						

A.2.7.2 Operation arguments/results

A.2.7.2.1 MTSBind

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.1/1.3	initiator-credentials	M	M	M	M	M	M
A.1.3.1/1.3.1	Simple						
A.1.3.1/1.3.2	Strong		M	M		M	M
A.1.3.1/1.3.2.2	certificate		M	M		M	M
A.1.3.1/1.3.2.3	certificate-selector		M	M		M	M
A.1.3.1/1.4	security-context		M	M		M	M

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.1/2.3	responder-credentials	M	M	M	M	M	M
A.1.3.1/2.3.1	Simple						
A.1.3.1/2.3.2	strong		M	M		M	M
A.1.3.1/2.3.2.2	certificate		M	M		M	M
A.1.3.1/2.3.2.3	certificate-selector		M	M		M	M

A.2.7.2.2 Message Submission

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.2/2.4.1	originating-MTA-certificate			O			O
A.1.3.2/2.4.2	proof-of-submission			M			M
A.1.3.2/2.4.3	originating-MTA-certificate-selector			O			O

A.2.7.2.3 SubmissionControl

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.5/1.1.2	permissible-operations				M	M	M
A.1.3.5/1.1.3	permissible-maximum-content-length				M	M	M
A.1.3.5/1.1.4	permissible-lowest-priority				M	M	M
A.1.3.5/1.1.5	permissible-security-context		M	M		M	M

A.2.7.2.5 Message Delivery

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.6/2.1	recipient-certificate		M	M		M	M
A.1.3.6/2.2	proof-of-delivery		M	M		M	M
A.1.3.6/2.3	recipient-certificate-selector		M	M		M	M

A.2.7.2.6 Delivery Control

Ref	Element	MTS-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.8/1.1.5	permissible-security-context		M	M		M	M

A.2.7.2.7 Register

Ref	Element	UA			MTA		
		S0	S1	S2	S0	S1	S2
A.1.3.9/1.7.1	user-security-label		M	M		M	M

Ref	Element	UA			MTA		
		S0	S1	S2	S0	S1	S2

A.2.7.3 MessageSubmissionEnvelope

Ref	Element	UA			MTA		
		S0	S1	S2	S0	S1	S2
A.1.4/8.6	originator-certificate	M	M	M	M-	M-	M-
A.1.4/8.7	content-confidentiality-algorithm-identifier	cC	cC	cC	M-	M-	M-
A.1.4/8.8	message-origin-authentication-check			M	M-	M-	M
A.1.4/8.9	message-security-label		M	M	M-	M	M
A.1.4/8.10	proof-of-submission-request			M			M
A.1.4/8.12	certificate-selectors	M	M	M	M-	M-	M-

Ref	Element	UA			MTA		
		S0	S1	S2	S0	S1	S2
A.1.4/8.13	multiple-originator-certificates	M	M	M	M-	M-	M-
A.1.4/9.4.10	message-token	M	M	M	M-	M	M
A.1.4/9.4.11	content-integrity-check	M	M	M	M-	M-	M-
A.1.4/9.4.12	proof-of-delivery-request		M	M		M	M
A.1.4/9.4.13	certificate-selectors-override	M	M	M	M-	M-	M-
A.1.4/9.4.14	recipient-certificate	cC	cC	cC	M-	M-	M-

A.2.7.4 ProbeSubmissionEnvelope

Ref	Element	UA			MTA		
		S0	S1	S2	S0	S1	S2
A.1.5/7.4	originator-certificate			M	M-	M-	M
A.1.5/7.5	message-security-label		M	M	M-	M-	M
A.1.5/7.7	probe-origin-authentication-check			M	M-	M-	M
A.1.5/7.8	certificate-selectors			M	M-	M-	M

A.2.7.5 MessageDeliveryEnvelope

Ref	Element	MTA-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.6/3.12.11	originator-certificate	M	M	M	M-	M-	M-
A.1.6/3.12.12	message-token	M	M	M	M-	M	M
A.1.6/3.12.13	content-confidentiality-algorithm-identifier	cC	cC	cC	M-	M-	M-
A.1.6/3.12.14	content-integrity-check	M	M	M	M-	M-	M-
A.1.6/3.12.15	message-origin-authentication-check			M	M-	M-	M
A.1.6/3.12.16	message-security-label		M	M	M-	M	M
A.1.6/3.12.17	proof-of-delivery-request		M	M		M	M
A.1.6/3.12.22	certificate-selectors	M	M	M	M-	M-	M-

Ref	Element	MTA-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.6/3.12.23	certificate-selectors-override	M	M	M	M-	M-	M-
A.1.6/3.12.24	multiple-originator-certificates	M	M	M	M-	M-	M-
A.1.6/3.12.25	recipient-certificate	cC	cC	cC	M-	M-	M-

A.2.7.6 ReportDeliveryEnvelope

Ref	Element	MTA-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.7/5.1	message-security-label		M	M		M	M
A.1.7/5.6	reporting-MTA-certificate			M	M-	M	M
A.1.7/5.7	report-origin-authentication-check			M	M-	M-	M-
A.1.7/5.10	reporting-MTA-certificate-selector			M	M-	M-	M-
A.1.7/5.11	reporting-MTA-name			M	M-	M-	M-
A.1.7/6.7.3	recipient-certificate		M	M	M-	M-	M-
A.1.7/6.7.4	proof-of-delivery		M	M		M	M-
A.1.7/6.7.5	recipient-certificate-selector		M	M	M-	M-	M-

A.2.7.7 Common Data Types

Ref	Element	MTA-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.8/7	BindToken						
A.1.8/4.2.4	signed-data		M	M		M	M
A.1.8/9	Certificate						
A.1.8/9.10.8.1	otherName					M	M
A.1.8/9.10.8.1.1	mta-name					M	M
A.1.8/9.10.8.4	x400Address	M	M	M			

A.2.7.8 Extension Data Types

Ref	Element	MTA-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.9/2	MessageOriginAuthentication Check						
A.1.9/2.4	message-security-label		M	M		M	M
A.1.9/3	MessageSecurityLabel						
A.1.9/3.1	security-policy-identifier		M	M		M	M
A.1.9/3.2	security-classification		M	M		M	M
A.1.9/3.3	security-categories		M	M		M	M
A.1.9/4	MessageToken						
A.1.9/4.2.4	signed-data	M	M	M	M	M	M
A.1.9/4.2.4.1	content-confidentiality -algorithm-identifier	cC	cC	cC	M-	M-	M-
A.1.9/4.2.4.2	content-integrity-check	M	M	M	M	M	M
A.1.9/4.2.4.3	message-security-label		M	M		M	M
A.1.9/4.2.4.4	proof-of-delivery-request		M	M		M	M
A.1.9/4.2.5	encryption-algorithm-identifier		M	M		M	M
A.1.9/4.2.6	encrypted-data		M	M		M	M
A.1.9/4.2.6.2	content-integrity-check	M	M	M	M	M	M
A.1.9/4.2.6.3	message-security-label		M	M		M	M
A.1.9/5	ProbeOriginAuthentication Check						
A.1.9/5.3	message-security-label		M	M		M	M
A.1.9/6	ProofOfDelivery						

Ref	Element	MTA-User			MTA		
		S0	S1	S2	S0	S1	S2
A.1.9/6.7	message-security-label		M	M		M	M
A.1.9/7	ReportOriginAuthentication Check						
A.1.9/7.3	message-security-label		M	M		M	M
A.1.9/9	CertificateSelectors						
A.1.9/9.1	encryption-recipient	cC	cC	cC			
A.1.9/9.2	encryption-originator	cC	cC	cC			
A.1.9/9.3	content-integrity-check	M	M	M			
A.1.9/9.4	token-signature	M	M	M			
A.1.9/9.5	message-origin-authentication			M			M
A.1.9/10	CertificateSelectorsOverride						
A.1.9/10.1	encryption-recipient	cC	cC	cC			
A.1.9/10.2	encryption-originator	cC	cC	cC			
A.1.9/10.3	content-integrity-check	M	M	M			
A.1.9/10.4	token-signature	M	M	M			

A.2.8 Use of Directory (DIR)

A.2.8.1 Extension data types

Ref	Element	Profile	
		MTS-User	MTA
A.1.9/11	ExtendedCertificate		
A.1.9/11.1	directory-entry	C ¹	
A.1.9/12	ReportingMTAName		
A.1.9/12.3	mta-directory-name	C ¹	C ¹
1 - if DIR+SEC class is claimed then m else m-.			

A.2.8.2 OR-names

Ref	Element	Profile	
		MTS-User	MTA
A.1.10.1/6	directory-name	M	M
A.1.10.2/6	directory-name	M	M

A.2.9 Simple Protected Password (SPP)**A.2.9.1 MTSBind**

Ref	Element	Profile	
		MTS-User	MTA
A.1.3.1/1.1.3	Protected	M	M
A.1.3.1/2.3.3	Protected	M	M

A.2.10 Redirection instructions (RED2)

This functional group applies only to the AMH14 context.

A.2.10.1 AMH14 register

Ref	Element	Profile	
		UA	MTA
A.1.3.11/1.5	redirections	M	M
A.1.3.11/1.5.1	redirections-classes	M	M
A.1.3.11/1.5.1.1	content-types	O	M
A.1.3.11/1.5.1.2	maximum-content-length	O	M
A.1.3.11/1.5.1.3	acceptable-encoded -information-types-constraints	O	M
A.1.3.11/1.5.1.5	priority	O	M
A.1.3.11/1.5.1.7	applies-only-to	M	M

A.2.11 Delivery constraints (DC)

This functional group applies only to the AMH14 context.

A.2.11.1 AMH14 register

Ref	Element	Profile	
		UA	MTA
A.1.3.11/1.3.1	content-types	M	M
A.1.3.11/1.3.2	maximum-content-length	M ¹	M
A.1.3.11/1.3.3	acceptable-encoded -information-types-constraints	M	M
A.1.3.11/1.3.3.1	unacceptable-eits	M ¹	M
1- The requirement is only that the UA is capable of registering its configured capability, not that it should make parameters available to register arbitrary user specified values.			

A.2.12 Restricted delivery (RD)

This functional group applies only to the AMH14 context.

A.2.12.1 AMH14 register

Ref	Element	Profile	
		UA	MTA
A.1.3.11/1.6	redirected-delivery ¹	M	M
1 - The element redirected-delivery is expanded in subclause A.1.8, item 6.			

A.3 Additional information

A.3.1 Content types supported

The following table shall be completed to indicate (Y or) which content type(s) the implementation can support on submission and delivery (see subclause 6.1 of ISO/IEC ISP 10611-1). Any differences between support on submission and support on delivery shall be indicated in the Comments column. In the case of an MTA with a PDAU, any further constraints for the PDAU shall be indicated in the Comments column.

Ref	Content Type	Supported	Comments
1	built-in	Y	
1.1	unidentified (0)	Y	
1.2	interpersonal-messaging-1984 (2)	Y	
1.3	interpersonal-messaging-1988 (22)	Y	
1.4	(EDI messaging) (35)	Y	
2	extended (specify)	Y	any

A.3.2 Encoded information types supported

The following table shall be completed to indicate (Y or N) which encoded information type(s) the implementation can support on submission and delivery (see subclause 6.1 of ISO/IEC ISP 10611-1). Any differences between support on submission and support on delivery shall be indicated in the Comments column.

Ref	Encoded Information Type	Supported	Comments
1	explicit-conversion	N	
1.1	ia5-text-to-teletex (0)		
1.2	ia5-text-to-g3-facsimile (8)		
1.3	ia5-text-to-g4-class-1 (9)		
1.4	ia5-text-to-videtex (10)		
1.5	teletex-to-ia5-text (11)		
1.6	teletex-to-g3-facsimile (12)		
1.7	teletex-to-g4-class-1 (13)		
1.8	teletex-to-videtex (14)		
1.9	videtex-to-ia5-text (16)		
1.10	videtex-to-teletex (17)		
2	implicit conversion (specify)		

A.3.3 Encoded information type conversions supported

The following table shall be completed for an MTA if support of the Conversion FG is claimed to indicate (Y or N) which encoded information type conversions the implementation can perform (see subclause 7.1 of ISO/IEC ISP 10611-1). The supplier shall also state in the Comments column for which content types support of the conversion capability is claimed and under what conditions loss of information is determined (if applicable).

Ref	Encoded Information Type Conversion	Supported	Comments
1	explicit-conversion	N	
1.1	ia5-text-to-teletex (0)		
1.2	ia5-text-to-g3-facsimile (8)		
1.3	ia5-text-to-g4-class-1 (9)		
1.4	ia5-text-to-videotex (10)		
1.5	teletex-to-ia5-text (11)		
1.6	teletex-to-g3-facsimile (12)		
1.7	teletex-to-g4-class-1 (13)		
1.8	teletex-to-videotex (14)		
1.9	videotex-to-ia5-text (16)		
1.10	videotex-to-teletex (17)		
2	implicit conversion (specify)		

A.3.4 Delivery capability

The following table shall be completed for an MTA to indicate (Y or N) which OR-address attributes may be used for registration of local MTS-users and thus to determine delivery (see subclause 8.3 of ISO/IEC ISP 10611-1). Any constraints on the use of an attribute for delivery purposes (e.g. any limitation on the range of values, character repertoires, etc) shall be indicated in the Comments column.

Ref	OR-Address Attribute	Deliverable	Comments
1	country-name	Y	
2	administration-domain-name	Y	
3	network-address extended-network-address	Y	
4	terminal-identifier	Y	
5	terminal-type	Y	

Ref	OR-Address Attribute	Deliverable	Comments
6	private-domain-name	Y	
7	organization-name teletex-organization-name universal-organization-name	Y	
8	numeric-user-identifier	Y	
9	personal name teletex-personal-name universal-personal-name	Y	
10	organizational-unit-names teletex-organizational-unit-names universal-organizational-unit-names	Y	
11	common-name teletex-common-name universal-common-name	Y	
12	built-in-domain-defined-attributes teletex-domain-defined-attributes universal-domain-defined-attributes	Y	
13	pds-name	N	
14	physical-delivery-country-name	N	
15	postal-code	N	

Any other criteria that can be used to determine delivery decisions should be indicated below.

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A.3.5 Implementation constraints

The following table shall be completed to indicate any constraints imposed by the implementation.

Ref	Constraint	Limit	Comments
1	limit on message size (if any (see note 1)		none other than protocol or system storage
2	limit on the number of recipients that may be specified in a message envelope (if any) (see note 2)		none other than protocol or system storage
3	other (specify)		
<p>NOTES</p> <p>1 -Any limit on the maximum size of message content and/or envelope shall be stated.</p> <p>2 -Any limit on the number of recipients that may be specified in a message envelope shall be stated (this does not imply a static capability to register that number of users for delivery at a single MTA).</p>			

A.3.6 Supported extensions

The following table shall be completed to indicate which extensions and where they are supported in addition to the standard extensions for which support must already be stated in the various tables of clauses A.1 and A.2. For each extension it shall be references to where in the protocol they might appear.

Ref	Extension identifier	Reference	Comments
			P772 Extensions are supported