

PICS-AMH24-2.0

**Protocol Implementation Conformance Statement (PICS)
For Isode Limited Release R15.0
for the
Message Store (supplementary).
IPM Requirements for Enhanced MS Access (P7)**

Based on ISPICS Proforma for ISO/IEC ISP 12062-5 (AMH24)

Copyright Isode Limited 2011

Isode is the trademark of Isode Limited in the USA and the UK

This annex modifies the P7 ISPICS proforma as contained in annex A of ISO/IEC ISP 10611-5 for the purposes of conformance to the AMH24 profile.

NOTE - The tables and other material in this annex replace the corresponding clauses of annex A of ISO/IEC ISP 10611-5 or should otherwise be inserted as appropriate.

In the event of a discrepancy becoming apparent in the body of this part of ISO/IEC ISP 12062 and the tables in this annex, this annex is to take precedence.

Clause A.1 specifies the basic requirements for conformance to profile AMH24. 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 12062 or 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 "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)

- 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)

A.0 Identification of the implementation**A.0.1 Identification of PICS**

Ref	Question	Response
1	Date of statement (DD/MM/YY)	2011/03/14
2	PICS serial number	PICS-AMH24-2.0
3	System conformance statement cross reference	

A.0.2 Identification of IUT

Ref	Question	Response
1	Implementation name	Isode Limited X.400 Message Store
2	Implementation version	R15.0v0
3	Hardware name	
4	Hardware version	
5	Operating system name	
6	Operating system version	
7	Special configuration	
8	Other information	

A.0.3 Identification of supplier

Ref	Question	Response
1	Organization name	Isode Limited
2	Contact name(s)	Will Sheward
3	Address	5 Castle Business Village, 36 Station Road, Hampton, Middx TW12 2BX
4	Telephone number	+44 (0) 20 8783 0203
5	Telex number	
6	Fax number	+44 (0) 20 8783 9292
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	
4	Defect reports implemented	not applicable

A.0.5 Type of implementation

Ref	Implementation Type	Response
1	MS-user (UA)	
2	MS (co-located with MTA)	
3	MS (P3 interface to 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?	Y

A.0.7 Statement of profile conformance

Ref	Question	Response	Comments
1	Are all mandatory requirements of profile AMH13 implemented?	N	See PICS-AMH13-2.0
2	Are all mandatory requirements of profile AMH24 implemented?	Y	
3	Are all mandatory requirements of any of the following optional functional groups implemented?		
3.1	IPM Conversion (CV)	-	not applicable in the case of an MS
3.2	IPM Physical Delivery (PD)	-	not applicable in the case of an MS
3.3	IPM Redirection (RED)	-	not applicable in the case of an MS
3.4	IPM Latest Delivery (LD)	-	not applicable in the case of an MS

3.5	IPM Return of Content (RoC)	Y	
3.6	IPM Security (SEC)	N	class(es):
3.7	IPM Use of Directory (DIR)	-	not applicable in the case of an MS

A.1.6A autoForwardRegistration Parameter

The following elements are additional to those specified in annex A.1.6 of ISO/IEC ISP 10611-5.

Ref	Element	UA		MS		Support	Notes/References
		Base	Profile	Base	Profile		
4.1	auto-forwarding-comment	o	o	o	m	Y	
4.2	cover-note	o	o	o	m	Y	
4.3	this-ipm-prefix	o	o	o	m	Y	

A.1.12 IPM-specific attributes

Ref	Attribute	UA		MS		Support	Notes/References
		Base	Profile	Base	Profile		
1	acknowledgment-mode	o	o	o	m	N	
2	authorizing-users	o	o	o	m	Y	
3	auto-forward-comment	o	o	o	m	N	
4	auto-forwarded	o	o	o	m	Y	
5	bilaterally-defined-body-parts	o	o	o	o	N	
6	blind-copy-recipients	o	o	o	m	Y	
7	body	m	m	m	m	Y	
8	conversion-eits	o	o	o	m	N	
9	copy-recipients	o	o	o	m	Y	
10	discard-reason	o	o	o	m	N	
11	encrypted-body-parts	o	l	o	i	N	
12	encrypted-data	o	l	o	l	N	
13	encrypted-parameters	o	l	o	i	N	
14	expiry-time	o	o	o	m	Y	
15	extended-body-part-types	o	o	o	m	N	
16	(extended-body-parts)						see A.1.12.1
17	g3-facsimile-body-parts	o	o	o	o	N	
18	g3-facsimile-data	o	o	o	o	N	
19	g3-facsimile-parameters	o	o	o	o	N	

20	g4-class1-body-parts	o	o	o	o	N	
21	heading	m	m	m	m	Y	
22	ia5-text-body-parts	o	o	o	m	N	
23	ia5-text-data	o	o	o	o	N	
24	ia5-text-parameters	o	o	o	o	N	
25	importance	o	o	o	m	Y	
26	incomplete-copy	o	o	o	o	Y	
27	ipm-entry-type	m	m	m	m	Y	
28	ipm-preferred-recipient	o	o	o	m	N	
29	ipm-synopsis	o	o	o	m	Y	
30	ipn-originator	o	o	o	m	N	
31	languages	o	o	o	m	N	
32	message-body-parts	o	o	o	m	N	
33	message-data	o	o	o	o	N	
34	message-parameters	o	o	o	o	N	
35	mixed-mode-body-parts	o	o	o	o	N	
36	nationally-defined-body-parts	o	o	o	o	N	
37	non-receipt-reason	o	o	o	m	N	
38	nrn-requestors	o	o	o	m	Y	
39	obsoleted-ipms	o	o	o	m	Y	
40	originator	o	o	o	m	Y	
41	primary-recipients	o	o	o	m	Y	
42	receipt-time	o	o	o	m	N	
43	related-ipms	o	o	o	m	Y	
44	replied-to-ipm	o	o	o	m	Y	
45	reply-recipients	o	o	o	m	Y	
46	reply-requestors	o	o	o	m	Y	
47	reply-time	o	o	o	m	Y	
48	returned-ipm	o	o	o	o	N	

49	rn-requestors	o	o	o	m	Y	
50	sensitivity	o	o	o	m	Y	
51	subject	o	o	o	m	Y	
52	subject-ipm	m	m	m	m	Y	
53	suppl-receipt-info	o	o	o	o	N	
54	teletex-body-parts	o	o	o	o	N	
55	teletex-data	o	o	o	o	N	
56	teletex-parameters	o	o	o	o	N	
57	this-ipm	m	m	m	m	Y	
58	videotex-body-parts	o	o	o	o	N	
59	videotex-data	o	o	o	o	N	
60	videotex-parameters	o	o	o	o	N	
61	voice-body-parts	o	i	o	i	N	
62	voice-data	o	i	o	i	N	
63	voice-parameters	o	i	o	i	N	

A.1.12.1 Extended body part attribute support

Ref	Extended Body Part Attribute	UA		MS		Support	Notes/References
		Base	Profile	Base	Profile		
1	ia5-text-body-parts	o	o	o	m	N	
2	message-body-parts	o	o	o	m	N	
3	general-text-body-parts	o	o	o	m	N	
4	other (specify)	o	o	o	o	N	All specified in X.420

Annex B

(normative)

**ISPICS Requirements List
for ISO/IEC ISP 12062-5 (AMH24)**

In the event of a discrepancy becoming apparent in the body of this part of ISO/IEC ISP 12062 and the tables in this annex, this annex is to take precedence.

This annex specifies the support constraints and characteristics of ISO/IEC ISP 12062-5 on what shall or may appear in the implementation columns of an ISPICS. Such requirements are additional to those specified in annex A of ISO/IEC ISP 10611-5 as modified by annex A of this part of ISO/IEC ISP 12062 (references are to the corresponding table entries in those annexes).

Clause B.1 specifies the basic requirements for conformance to profile AMH24. Clause B.2 specifies additional requirements to those specified in B.1 for each of the optional functional groups if conformance to such a functional group is claimed.

In each table, the "Profile" column specifies the level of support required by this ISP (using the classification and notation defined in 3.2). The supplier of an implementation for which conformance to profile AMH24 is claimed should complete the Support column of the tables in annex A of ISO/IEC ISP 10611-5 as modified by annex A of this part of ISO/IEC ISP 12062 in accordance with the requirements contained therein together with any additional requirements in this annex for the type of implementation (i.e. MS or MS-user) in question.

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).

B.1 Basic requirements

B.1.1 Supported application contexts

No additional requirements.

B.1.2 Supported operations

B.1.2.1 Message Retrieval Service Element (MRSE)

Ref	Operation	Profile	
		UA	MS
A.1.2.3/1	Summarize	m	Y
A.1.2.3/2	List	m	Y

B.1.3 Operation arguments/results

No additional requirements.

B.1.4 Message Submission Envelope

No additional requirements.

B.1.5 Probe Submission Envelope

No additional requirements.

B.1.6 Auto Forward Registration Parameter

Ref	Element	Profile	
		UA	MS
A.1.6/4	other-parameters		Y

c1 - if the MS supports autoforwarding then m else o

B.1.7 Auto Alert Registration Parameter

No additional requirements.

B.1.8 Common data types

No additional requirements.

B.1.9 Extension data types

No additional requirements.

B.1.10 O/R names

Ref	O/R Name Form	UA	MS
-----	---------------	----	----

A.1.10/2	numeric O/R address	m	Y
A.1.10/3	terminal O/R address	m	Y

B.1.11 General attributes

Ref	Attribute	UA	MS
A.1.11/4	content-correlator		m
A.1.11/5	content-identifier		m
A.1.11/8	content-returned		m
A.1.11/10	conversion-with-loss-prohibited		m
A.1.11/11	converted-eits		m
A.1.11/14	delivery-flags		m
A.1.11/15	dl-expansion-history		m
A.1.11/18	intended-recipient-name		m
A.1.11/20	message-delivery-identifier		m
A.1.11/21	message-delivery-time		m
A.1.11/24	message-submission-time		m
A.1.11/26	original-eits		m
A.1.11/29	other-recipient-names		m
A.1.11/34	redirection-history		m
A.1.11/36	reporting-dl-name		m
A.1.11/42	this-recipient-name		m

B.2 Optional functional groups

The following requirements are additional to those specified in B.1 if support of the functional group is claimed.

B.2.1IPM Conversion (CV)

B.2.1.1 MessageSubmissionEnvelope

Ref	Element	Profile	
		UA	MS
A.1.4/8.3	conversion-with-loss-prohibited	m	Y
A.1.4/9.3	explicit-conversion	m	Y

B.2.1.2 ProbeSubmissionEnvelope

Ref	Element	Profile	
		UA	MS
A.1.5/7.3	conversion-with-loss-prohibited	m	Y
A.1.5/8.3	explicit-conversion	m	Y

B.2.2IPM Physical Delivery (PD)

The following requirements are additional to those specified for the Common Messaging PD FG in annex A.2.1 of ISO/IEC ISP 10611-5.

B.2.2.1 MessageSubmissionEnvelope

Ref	Element	Profile	
		UA	MS
A.1.4/8.5	originator-return-address	m	Y

B.2.3IPM Redirection (RED)

B.2.3.1 MessageSubmissionEnvelope

Ref	Element	Profile	
		UA	MS
A.1.4/9.4.1	originator-requested-alternate-recipient	m	Y

B.2.3.2 ProbeSubmissionEnvelope

Ref	Element	Profile	
-----	---------	---------	--

		UA	MS
A.1.5/8.4.1	originator-requested-alternate-recipient	m	Y

B.2.3.3 Common data types

Ref	Element	Profile	
		UA	MS
A.1.8/5.3	alternate-recipient-allowed	m	Y

B.2.4IPM Latest Delivery (LD)

There are no additional requirements to those specified for the Common Messaging LD FG in annex A.2.2 of ISO/IEC ISP 10611-5.

B.2.5IPM Return of Content (RoC)

There are no additional requirements to those specified for the Common Messaging RoC FG in annex A.2.3 of ISO/IEC ISP 10611-5.

B.2.6IPM Security (SEC)

There are no additional requirements to those specified for the Common Messaging SEC FG in annex A.2.4 of ISO/IEC ISP 10611-5.

B.2.7IPM Use of Directory (DIR)

There are no additional requirements to those specified for the Common Messaging DIR FG in annex A.2.5 of ISO/IEC ISP 10611-5.