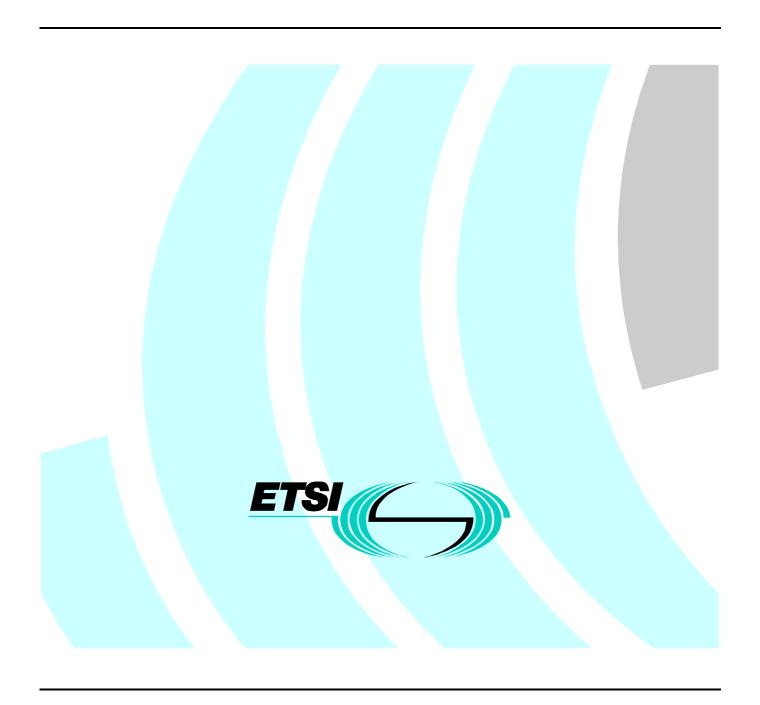
ETSITS 101 521 V1.1.1 (2000-07)

Technical Specification

Telecommunications and Internet Protocol
Harmonization Over Networks (TIPHON);
Protocol Implementation Conformance
Statement (PICS) proforma
for the support of call signalling protocols
and media stream packetization for packet-based
multimedia communication systems;
Support of ITU-T Recommendation H.225.0



Reference

DTS/TIPHON-06012

Keywords

ICS, IP, PICS, supplementary service, voice, VoIP

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Foreword

This Technical Specification (TS) has been produced by ETSI Project Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON).

Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the call signalling protocols and media stream packetization for packet-based multimedia communication systems as specified in ITU-T Recommendation H.225.0 [2] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [4].

The supplier of a protocol implementation which is claimed to conform to ITU-T Recommendation H.225.0 [2] is required to complete a copy of the PICS proforma provided in annex A of the present document and is required to provide the information necessary to identify both the supplier and the implementation.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.
- [1] ITU-T Recommendation H.323 (Version 3, 1999): "Packet-based multimedia communications systems".
- [2] ITU-T Recommendation H.225.0 (Version 3, 1999): "Call signalling protocols and media stream packetization for packet-based multimedia communication systems".
- [3] ISO/IEC 9646-1 (1994): "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 1: General concepts".
- [4] ISO/IEC 9646-7 (1995): "Information technology Open Systems Interconnection Conformance testing methodology and framework Part 7: Implementation Conformance Statements".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

- terms defined in ITU-T Recommendation H.323 [1];
- terms defined in ITU-T Recommendation H.225.0 [2];
- terms defined in ISO/IEC 9646-1 [3] and in ISO/IEC 9646-7 [4].

In particular, the following terms defined in ISO/IEC 9646-1 [3] apply:

Implementation Conformance Statement (ICS): statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The PICS can take several forms: protocol PICS, profile PICS, profile specific PICS, information object PICS, etc.

ICS proforma: document, in the form of a questionnaire, which when completed for an implementation or system becomes a PICS.

Protocol ICS (PICS): ICS for an implementation or system claimed to conform to a given protocol specification.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

APDU Application Protocol Data Unit

GK Gatekeeper

ICS Implementation Conformance Statement

IUT Implementation Under Test MCU Multipoint Control Unit

MSI Manufacturer Specific Information

PDU Protocol Data Unit PER Packed Encoding Rules

PICS Protocol Implementation Conformance Statement

SCS System Conformance Statement

SUT System Under Test

4 Conformance to this PICS proforma specification

If it claims to conform to the present document, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

A PICS which conforms to the present document shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause A.1.

Annex A (normative): PICS proforma for ITU-T Recommendation H.225.0

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed PICS.

A.1 Guidance for completing the PICS proforma

A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ITU-T Recommendation H.225.0 [2] may provide information about the implementation in a standardized manner.

The PICS proforma is subdivided into subclauses for the following categories of information:

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- roles;
- major capabilities;
- subsidiary capabilities;
- operations;
- arguments, results and errors;
- timers.

A.1.2 Abbreviations and conventions

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [4].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (for example parameters, timers, etc.). It implicitly means "is < item description > supported by the implementation?".

Status column

The following notations, defined in ISO/IEC 9646-7 [4], are used for the status column:

m mandatory - the capability is required to be supported; optional - the capability may be supported or not; O not applicable - in the given context, it is impossible to use the capability; n/a prohibited (excluded) - there is a requirement not to use this capability in the given context; Х qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which o.i identifies a unique group of related optional items and the logic of their selection which is defined immediately following the table; conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of ci other optional or conditional items. "i" is an integer identifying a unique conditional status expression which is defined immediately following the table;

irrelevant (out-of-scope) - capability outside the scope of the reference specification. No answer is requested from the supplier.

Reference column

i

The reference column makes reference to ITU-T Recommendation H.225.0 [2] except where explicitly stated otherwise.

Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [4], are used for the support column:

Y or y supported by the implementation; N or n not supported by the implementation;

N/A, n/a or no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional

status).

If this PICS proforma is completed in order to describe a multiple-profile support in a system, it is necessary to be able to answer that a capability is supported for one profile and not supported for another. In that case, the supplier shall enter the unique reference to a conditional expression, preceded by "?" (for example ?3). This expression shall be given in the space for comments provided at the bottom of the table. It uses predicates defined in the SCS, each of which refers to a single profile and which takes the value TRUE if and only if that profile is to be used.

EXAMPLE: ?3: IF prof1 THEN Y ELSE N.

It is also possible to provide a comment to an answer in the space provided at the bottom of the table.

NOTE: As stated in ISO/IEC 9646-7 [4], support for a received PDU requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

Values allowed column

The values allowed column contains the type, the list, the range, or the length of values allowed. The following notations are used:

```
< min value > .. < max value >:
  range of values:
                    5..20.
   - example:
                               < value1 >. < value2 >. ...... < valueN >:
 List of values:
   - example:
                    2, 4, 6, 8, 9;
      example:
                    '1101'B, '1011'B, '1111'B;
      example:
                    '0A'H, '34'H, '2F'H.
- List of named values:
                               < name1 >(< val1 >), < name2 >(< val2 >), ...., < nameN >(< valN >:
   - example:
                    reject(1), accept(2).
                               size (< min size > .. < max size >):
- Length:
      example:
                    size (1 .. 8).
```

Values supported column

The values supported column shall be filled in by the supplier of the implementation. In this column, the values or the ranges of values supported by the implementation shall be indicated.

References to items

For each possible item answer (answer in the support column) within the PICS proforma a unique reference exists, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns are discriminated by letters (a, b, etc.), respectively.

EXAMPLE 1: A.5/4 is the reference to the answer of item 4 in table 5 of annex A.

EXAMPLE 2: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in table 6 of annex A.

Prerequisite line

A prerequisite line takes the form: Prerequisite: < predicate >.

A prerequisite line after a clause or table title indicates that the whole clause or the whole table is not required to be completed if the predicate is FALSE.

A.1.3 Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided. In particular, an explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in subclause A.1.2.

If necessary, the supplier may provide additional comments in space at the bottom of the tables, or separately on sheets of paper.

More detailed instructions are given at the beginning of the different subclauses of the PICS proforma.

A.2 Identification of the implementation

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

A.2.1	Date of the statement
A.2.2 IUT name:	Implementation Under Test (IUT) identification
IUT version:	
A.2.3 SUT name:	System Under Test (SUT) identification
Hardware co	nfiguration:
Operating sy	stem:
A.2.4 Name:	Product supplier
Address:	

Telephone number:
Facsimile number:
E-mail address:
Additional information:
A.2.5 Client (if different from product supplier) Name:
Address:
Telephone number:
Facsimile number:
E-mail address:
Additional information:
A.2.6 PICS contact person
(A person to contact if there are any queries concerning the content of the PICS) Name:
Telephone number:

racsimile number:
E-mail address:
Additional information:

A.3 PICS/System Conformance Statement (SCS)

Provide the relationship of the PICS with the SCS for the system.

A.4 Identification of the protocol

The PICS proforma applies to the following standard:

ITU-T Recommendation H.323 [1] (1999): "Packet based multimedia communications systems".

A.5 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No).

Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming, on pages attached to the PICS proforma.

A.6 Capabilities

NOTE:

A.6.1 Major capabilities

Table A.1: Major capabilities

Item	Procedure	Reference	Status	Support Y N n/a
MC 1	Supports H.225.0 [2], Version 1	H.225.0 [2]	0	
MC 2	Supports H.225.0 [2], Version 2	H.225.0 [2]	m	
MC 3	Supports H.225.0 [2], Version 3	H.225.0 [2]	m	
MC 4	- by clients	H.225.0 [2]	0.1	
MC 5	- by a GK	H.225.0 [2]	0.1	
MC 6	- by a GW	H.225.0 [2]	0.1	
MC 7	- by an MCU	H.225.0 [2]	0.1	
o.1: One	or more options shall be supported			
Commen	ts:			

A.6.2 Subsidiary capabilities

Table A.2: Support of H.225.0 [2] Packetization and Synchronization Mechanism

Item	Procedure	H.225.0 [2] References	Status	Support Y N n/a
SC 1	Supports the H.225.0 [2] General Approach	6.1	m	
SC 2	- client can process audio using RTP via an unreliable channel	6.1	m	
SC 3	- client can process video using RTP via an unreliable channel	6.1	0	
SC 4	- client can process audio and video on separate TAs using separate instances of RTP	6.1	m	
SC 5	- endpoint can negotiate T.120 capabilities using H.245	6.1	0	
SC 6	- endpoints support usage of Dynamic TSAP Ids	6.1	0.1	
SC 7	- endpoints support usage of Well-Known TSAP lds	6.1	0.1	
	st support at least one of these options.			
SC 8	- endpoints can share the same packet based network address for audio and video	6.1	0.2	
SC 9	- endpoints can use different packet based network addresses for audio and video	6.1	0.2	
	st support at least one of these options.			
SC 10	- client supports having more than one channel of the same type (e.g. 2 audio channels) open for one call	6.1	0	
SC 11	Supports RTP (Version 2) and RTCP	6.2	m	
	- supports CSRC count	6.2	0	
SC 13	- client can restrict the logical channel bit rate using H.245/T.120 flow control mechanisms	6.2	0	
SC 14	- GW can use H.245/T.120 to force client to send at a rate ≤ and receive at a rate ≥, the SCN side	6.2	0	
SC 15	Endpoints support audio message processing	6.2.1	m	
SC 16	- endpoints can process silence compressed RTP streams	6.2.1	0	
SC 17	Endpoints support video message processing	6.2.2	0	
	Endpoints support data message processing	6.2.3	0	
	Supports mechanisms for maintaining QOS	8	0	
Comme	ents:			

A.6.3 Protocol data units

Table A.3: H.225.0 [2] RAS Message Support

Item	PDU	H.225.0 [2] References	Status	Support Y N n/a
RM 1	Supports required RAS messages	7.7	m	
RM 2	Supports RAS Discovery messages	7.8	0	
RM3	- endpoint can send GRQ	7.8.1	0	
RM 4	- endpoint can receive GCF	7.8.2	0	
RM 5	- endpoint can receive GRJ	7.8.3	0	
RM 6	Supports RAS Registration messages	7.9	m	
RM 7	- supports irrFrequencyInCall field in RCF message	7.9.2	0	
RM 8	Supports RAS Unregistration messages	7.10	m	
RM 9	- endpoint can send URQ	7.10.1	0	
RM 10	- GK can send URQ	7.10.1	0	
	- endpoint can receive UCF	7.10.2	0	
	- GK can receive UCF	7.10.2	0	
RM 13	- endpoint can send and can receive URJ	7.10.3	0	
	- GK can receive URJ	7.10.3	0	
	Supports RAS Admission messages	7.11	m	
	- Supports e164 type AliasAddress in ARQ's destinationInfo field	7.11.1	0.5	
	- Supports h323-ID type AliasAddress in ARQ's destinationInfo field	7.11.1	0.5	
	- Supports url-ID type AliasAddress in ARQ's destinationInfo field	7.11.1	0.5	
	- Supports transportID type AliasAddress in ARQ's destinationInfo field	7.11.1	0.5	
	- Supports <i>email-ID</i> type AliasAddress in ARQ's <i>destinationInfo</i> field	7.11.1	0.5	
	- Supports partyNumber type AliasAddress in ARQ's destinationInfo field	7.11.1	0.5	
	st support at least one of these options.	7.11.1	0.0	<u> </u>
	- Supports aliasesInconsistent in ARJ's AdmissionRejectReason	7.11.3	m	
	Supports RAS requests for bandwidth changes	7.11.0	m	
	- GK can send BRQ	7.12.1	0	
	- GK can receive BCF	7.12.1	0	
	- GK can receive BGI	7.12.2	0	
	Supports RAS Location Request messages	7.12.3	m	
	- endpoint can send LRQ	7.13.1	0	
	- GK can send LRQ	7.13.1	0	
	- endpoint can receive LCF	7.13.1	0	
	- GK can receive LCF	7.13.2	0	
	- endpoint can receive LRJ	7.13.2	0	
	- GK can receive LRJ	7.13.3	0	
	- Supports aliasesInconsistent in LRJ's LocationRejectReason	7.13.3	m	
		7.13.3		
	Supports RAS Disengage messages - GK can send DRQ	7.14	<u>m</u>	
			0	
	Supports RAS Status Request messages	7.15	m	
	- GK can send and endpoint can receive IACK	7.15.3	0	
	- GK can send and endpoint can receive INAK Supports RAS Non-Standard message	7.15.4	0	
		7.16	<u> </u>	
	Supports Message Not Understood processing	7.17	m m	
	Supports RAS GW Resource Availability	7.18	m	
	- endpoint can send RAI	7.18.1	0	
	- endpoint can receive RAC	7.18.2	0	
	Supports RAS Timers and Request in Progress	7.19	0	
Comm	ents:			

Table A.4: H.225.0 [2] / Q.931 Message Support

Item	PDU	H.225.0 [2] References	Status	Support Y N n/a
QM 1	Supports the procedures for use of Q.931	7.1	m	
QM 2	- can ignore optional messages not supported	7.1	m	
QM 3	- can ignore optional IEs with content error	7.1	m	
QM 4	- GW can forward all optional Q.931 and H.450 messages and IEs	7.1	0	
QM 5	- processes all mandatory messages and does not use any forbidden messages	7.1	m	
QM 6	- can process Call Proceeding message	7.1	0	
QM 7	- can process Progress message	7.1	0	
QM 8	- can process Setup Acknowledge message	7.1	0	
QM 9	- can process User Information message	7.1	0	
QM 10	- can process Information message	7.1	0	
QM 11	- can process Notify message	7.1	0	
QM 12	- can process Status Inquiry message	7.1	0	
QM 13	Supports common Q.931 IEs processing	7.2	m	
QM 14	Supports processing of octet 3a in Calling party number IE	7.2.2.6	0	
QM 15	Supports usage of the Connected number IE	7.2.2.11	0	
QM 16	Supports usage of the Connected subaddress IE	7.2.2.12	0	
QM 17	Can signal call redirection specific to H.323 [1] procedures using the Facility message	7.2.2.16	0	
QM 18	Supports Q.931 message processing	7.3	m	
QM 19	- can process Bearer capability IE in Alerting message	7.3.1	0	
QM 20	- can process Extended facility IE in Alerting message	7.3.1	0	
QM 21	- can process Facility IE in Alerting message	7.3.1	0	
QM 22	- can process Progress indicator IE in Alerting message	7.3.1	0	
QM 23	- can process Notification indicator IE in Alerting message	7.3.1	0	
QM 24	- can process Display IE in Alerting message	7.3.1	0	
QM 25	- can process Signal IE in Alerting message	7.3.1	0	
QM 26	- can process Bearer capability IE in Call Proceeding message	7.3.2	0	
QM 27	- can process Extended facility IE in Call Proceeding message	7.3.2	0	
QM 28	- can process Facility IE in Call Proceeding message	7.3.2	0	
QM 29	- can process Progress indicator IE in Call Proceeding message	7.3.2	0	
QM 30	- can process Notification indicator IE in Call Proceeding message	7.3.2	0	
QM 31	- can process Display IE in Call Proceeding message	7.3.2	0	
QM 32	- can process Bearer capability IE in Connect message	7.3.3	0	
QM 33	- can process Extended facility IE in Connect message	7.3.3	0	
QM 34	- can process Facility IE in Connect message	7.3.3	0	
QM 35	- can process Progress indicator IE in Connect message	7.3.3	0	
QM 36	- can process Notification indicator IE in Connect message	7.3.3	0	
QM 37	- can process Display IE in Connect message	7.3.3	0	
QM 38	- can process Date/Time IE in Connect message	7.3.3	0	
QM 39	- can process Sending complete IE in Information message	7.3.6	0	
QM 40	- can process Display IE in Information message	7.3.6	0	
QM 41	- can process Keypad facility IE in Information message	7.3.6	0	
QM 42	- can process Signal IE in Information message	7.3.6	0	
QM 43	- can process Called party number IE in Information message	7.3.6	0	
QM 44	- Supports tokens field in Information message	7.3.6	0	
QM 45	- Supports cryptoTokens field in Information message	7.3.6	0	
QM 46	- Supports fastStart field in Information message	7.3.6	0	
QM 47	- can process Bearer capability IE in Progress message	7.3.7	0	
QM 48	- can process Cause IE in Progress message	7.3.7	0	
QM 49	- can process Extended facility IE in Progress message	7.3.7	0	
QM 50	- can process Facility IE in Progress message	7.3.7	0	
QM 51	- can process Notification indicator IE in Progress message	7.3.7	0	
QM 52	- can process Display IE in Progress message	7.3.7	0	
QM 53	- can process Cause IE in Release Complete message	7.3.9	0.3	
QM 54	- can process UU IE with ReleaseCompleteReason in Release Complete message	7.3.9	0.3	
o.3 must	support at least one of these options.			•
QM 55	- can process Facility IE in Release Complete message	7.3.9	0	
QM 56	- can process Notification indicator IE in Release Complete	7.3.9	0	

QM 58 - can process Signal IE in Release Complete message 7.3.9 0 QM 59 - can process Sending complete IE in Setup message 7.3.10 0 QM 60 - can process Extended facility IE in Setup message 7.3.10 0 QM 61 - can process Facility IE in Setup message 7.3.10 0 QM 62 - can process Notification indicator IE in Setup message 7.3.10 0 QM 63 - can process Sipsplay IE in Setup message 7.3.10 0 QM 64 - can process Keypad facility IE in Progress message 7.3.10 0 QM 65 - can process Signal IE in Setup message 7.3.10 0 QM 66 - can process Called party number IE in Setup message 7.3.10 0 QM 67 - can process Called party number IE in Setup message 7.3.10 0 QM 68 - Supports Brassaddress in SETUP's sourceAddress field 7.3.10 0.4 QM 68 - Supports Brassaddress in SETUP's sourceAddress field 7.3.10 0.4 QM 70 - Supports ermail-ID type AliasAddress in SETUP's sourceAddress field 7.3.10 0.4 QM 71	Item	PDU	H.225.0 [2] References	Status	Support Y N n/a
QM 50 - can process Sending complete IE in Setup message 7.3.10 0 QM 60 - can process Extended facility IE in Setup message 7.3.10 0 QM 61 - can process Facility IE in Setup message 7.3.10 0 QM 62 - can process Notification indicator IE in Setup message 7.3.10 0 QM 63 - can process Signal IE in Setup message 7.3.10 0 QM 64 - can process Keypad facility IE in Progress message 7.3.10 0 QM 65 - can process Signal IE in Setup message 7.3.10 0 QM 66 - can process Calling party number IE in Setup message 7.3.10 0 QM 67 - can process Called party number IE in Setup message 7.3.10 0 QM 68 - Supports #Aisa-Address in SETUP's sourceAddress field 7.3.10 0.4 QM 69 - Supports #Aisa-Address in SETUP's sourceAddress field 7.3.10 0.4 QM 70 - Supports #Aisa-Address in SETUP's sourceAddress field 7.3.10 0.4 QM 71 - Supports email-ID type AliasAddress in SETUP's destinationAddress field 7.3.10 0.4	QM 58	- can process Signal IE in Release Complete message	7.3.9	0	•
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QM 89 - can support EndpointType indicating "set" 7.6 m				m	
	QM 88		7.6	0	
	QM 89	- can support EndpointType indicating "set"	7.6	m	
	Comme				

A.6.4 Protocol data unit parameters

Table A.5: Support of H.225.0 [2] RAS message parameters

Item	PDU	Sending			Receiving		
iteiii	750	Reference	Status	Support Y N n/a	Reference	Status	Support Y N n/a
RP 1	can process type alternateEndpoints	Annex H	0		Annex H	0	
RP 2	can process type tokens	Annex H	0		Annex H	0	
RP 3	can process type cryptoTokens	Annex H	0		Annex H	0	
RP 4	can process type authenticationCapability	Annex H	0		Annex H	0	
RP 5	can process type algorithmOIDs	Annex H	0		Annex H	0	
RP 6	can process type integrity	Annex H	0		Annex H	0	
RP 7	can process type integrityCheckValue	Annex H	0		Annex H	0	
RP 8	can process type alternateGatekeeper	Annex H	0		Annex H	0	
RP 9	can process type authenticationMode	Annex H	0		Annex H	0	
RP 10	can process type altGKisPermanent	Annex H	0		Annex H	0	
RP 11	can process type algorithmOIDs	Annex H	0		Annex H	0	
RP 12	can process type timeToLive	Annex H	0		Annex H	0	
RP 13	can process type endpointIdentifier	Annex H	0		Annex H	0	
RP 14	can process type reason	Annex H	0		Annex H	0	
RP 15	can process type srcAlternatives	Annex H	0		Annex H	0	
	can process type destAlternatives	Annex H	0		Annex H	0	
RP 17	can process type transportQOS	Annex H	0		Annex H	0	
RP 18	can process type destinationInfo	Annex H	0		Annex H	0	
RP 19	can process type destExtraCallInfo	Annex H	0		Annex H	0	
RP 20	can process type destinationType	Annex H	0		Annex H	0	
	can process type remoteExtensionAddress	Annex H	0		Annex H	0	
RP 22	can process type qosControlNotSupported in RAS RejectReasons	Annex H	0		Annex H	0	
RP 23	can process type incompleteAddress in RAS RejectReasons	Annex H	0		Annex H	0	
	can process type answeredCall	Annex H	0		Annex H	0	
RP 25	can process type sourceInfo	Annex H	0		Annex H	0	
RP 26	can process type <i>irrFrequencyInCall</i> in RCF message	Annex H	0		Annex H	0	
	can process value fullRegistrationRequired in RegistrationRejectReason	Annex H	0		Annex H	0	
	can process value aliasesInconsistent in AdmissionRejectReason	Annex H	0		Annex H	0	
	can process value aliasesInconsistent in LocationRejectReason	Annex H	0		Annex H	0	
Comm	ents:						

Table A.6: Support of H.225.0 [2] / Q.931 message parameters

Item	PDU	Sending			Receiving		
item	150	Reference	Status	Support Y N n/a	Reference	Status	Support Y N n/a
QP 1	can process H4501SupplementaryService APDU	Annex H	0		Annex H	0	
QP 2	can process h245Control in UUIEs	Annex H	0		Annex H	0	
QP 3	can process type nonStandardData in UUIEs	Annex H	0		Annex H	0	
QP 4	can process type <i>h245Address</i> in UUIEs	Annex H	0		Annex H	0	
QP 5	can process type h245SecurityMode in UUIEs	Annex H	0		Annex H	0	
QP 6	can process type tokens in UUIEs	Annex H	0		Annex H	0	
QP 7	can process type <i>cryptoTokens</i> in UUIEs	Annex H	0		Annex H	0	
QP 8	can process type fastStart in UUIEs	Annex H	0		Annex H	0	
QP 9	can process type sourceAddress in Setup-UUIE	Annex H	0		Annex H	0	
QP 10	can process type destinationAddress in Setup-UUIE	Annex H	0		Annex H	0	
QP 11	can process type destinationCallSignalAddress in Setup- UUIE	Annex H	0		Annex H	0	
QP 12	can process type destExtraCallInfo in Setup-UUIE	Annex H	0		Annex H	0	
QP 13	can process type destExtraCRV in Setup-UUIE	Annex H	0		Annex H	0	
QP 14	can process type <i>callServices</i> in Setup-UUIE	Annex H	0		Annex H	0	
QP 15	can process type sourceCallSignalAddress in Setup- UUIE	Annex H	0		Annex H	0	
QP 16	can process type remoteExtensionAddress in Setup- UUIE	Annex H	0		Annex H	0	
QP 17	can process type endpointIdentifier in Setup-UUIE	Annex H	0		Annex H	0	
	can process type alternativeAddress in Facility-UUIE	Annex H	0		Annex H	0	
QP 19	can process type alternativeAliasAddress in Facility- UUIE	Annex H	0		Annex H	0	
QP 20	can process type conferenceID in Facility-UUIE	Annex H	0		Annex H	0	
QP 21	can process type destExtraCallInfo in Facility-UUIE	Annex H	0		Annex H	0	
	can process type remoteExtensionAddress in Facility- UUIE	Annex H	0		Annex H	0	
QP 23	can process type conferences in Facility-UUIE	Annex H	0		Annex H	0	
	can process type set in EndpointType	Annex H	0		Annex H	0	
	can process type dataRatesSupported in H3xxCaps, VoiceCaps and T120OnlyCaps	Annex H	0		Annex H	0	
Commo	ents:						

A.6.5 Timers

Table A.7: Support of H.225.0 [2] RAS timers

Item	Timer – Procedure	H.225.0 [2] References	Status	Support Y N n/a	Supported timer value	Supported retry count value
TR 1	GRQ	7.19	0			
TR 2	RRQ	7.19	0			
TR 3	URQ	7.19	0			
TR 4	ARQ	7.19	0			
TR 5	BRQ	7.19	0			
TR 6	IRQ	7.19	0			
TR 7	IRR	7.19	0			
TR 8	DRQ	7.19	0			
TR 9	LRQ	7.19	0			
TR10	RAI	7.19	0			
Comments	:	•	•	•	•	

Table A.8: Support of H.225.0 [2] / Q.931 timers

Item	Timer – Procedure	H.225.0 [2] References	Status	Support Y N n/a	Supported value
TQ 1	Setup timer	7.5	m		
TQ 2	Establishment timer	7.5	m		
Comments:					

History

Document history				
V1.1.1	July 2000	Publication		