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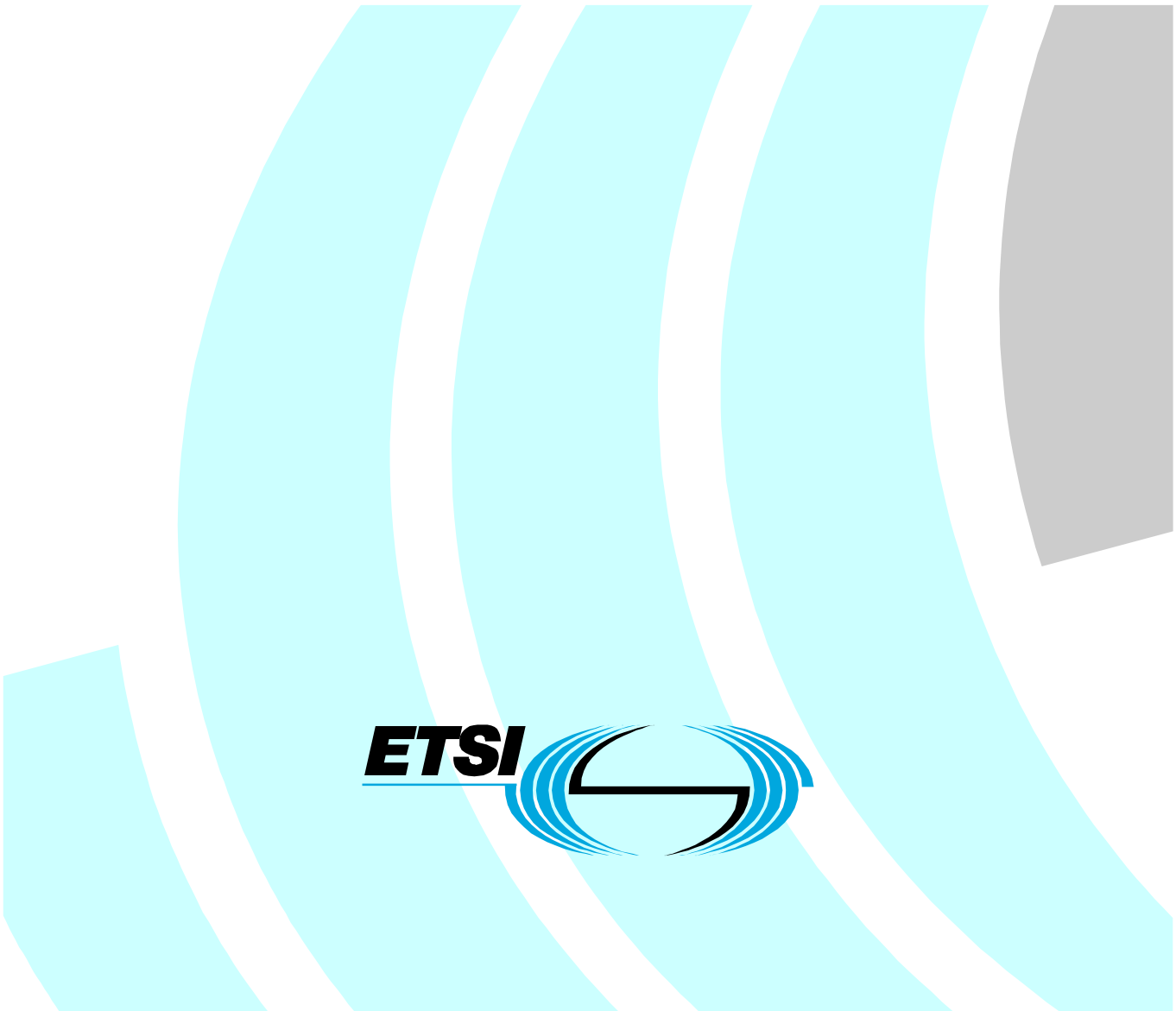
Technical Specification

Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON) Release 3; Technology compliance specifications; Part 1: Revision/update of H.225.0 Protocol Implementation Conformance Statement (PICS) proforma specification for Terminal, Gatekeeper and Gateway



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Contents

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Foreword

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

The present document is part 1 of a multi-part deliverable covering the H225.0 protocol for Terminal, Gatekeeper and Gateway as identified below:

Part 1: "Revision/update of H.225.0 Protocol Implementation Conformance Statement (PICS) proforma specification for Terminal, Gatekeeper and Gateway";

Part 2: "H.225.0 conformance test specifications; Test Suite Structure and Test Purposes (TSS&TP) specification for Terminal, Gatekeeper and Gateway";

Part 3: "H.225.0 conformance test specifications; Abstract Test Suite (ATS) and PIXIT proforma specification for Terminal, Gatekeeper and Gateway".

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 for packet-based multimedia communication systems defined in ITU-T Recommendation H.323 [2] in compliance with the relevant requirements specified in TS 101 883 [1] and in accordance with the relevant guidance given in ISO/IEC 9646-7 [10].

The supplier of a protocol implementation which is claimed to conform to ITU-T Recommendation H.323 [2] profiled by TS 101 883 [1] 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 and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

[1] ETSI TS 101 883 (V.0.3.0): "Telecommunications and Internet protocol Harmonization Over Networks (TIPHON) Release 3; Technology Mapping; Implementation of TIPHON architecture using H.323".

[2] ITU-T Recommendation H.323 (1999): "Framework and wire-protocol for multiplexed call signalling transport".

[3] ITU-T Recommendation H.225.0 (1999): "Call signalling protocols and media stream packetization for packet-based multimedia communication systems".

[4] ITU-T Recommendation H.323 (1998): "Framework and wire-protocol for multiplexed call signalling transport".

[5] ITU-T Recommendation H.225.0 (1998): "Call signalling protocols and media stream packetization for packet-based multimedia communication systems".

[6] ITU-T Recommendation H.323 (2000): "Framework and wire-protocol for multiplexed call signalling transport".

[7] ITU-T Recommendation H.225.0 (2000): "Call signalling protocols and media stream packetization for packet-based multimedia communication systems".

[8] ETSI TS 101 882: "Telecommunications and Internet protocol Harmonization Over Networks (TIPHON) Release 3; Protocol Framework Definition and Interface Requirement Definition; General".

[9] ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[10] 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 terms and definitions defined in TS 101 883 [1], ITU-T Recommendation H.323 [2], ITU-T Recommendation H.225.0 [3], ISO/IEC 9646-1 [9] and ISO/IEC 9646-7 [10] and the following apply:

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

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

NOTE: The PICS can take several forms: protocol PICS, profile PICS, profile specific PICS, information object PICS, etc.

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:

GK	GateKeeper
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
PDU	Protocol Data Unit
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 according to TIPHON profile

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.323 profiled by TS 101 883 may provide information about the implementation in a standardized manner.

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

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the protocol;
- global statement of conformance;
- H.323 entities concerned;
- H.323 ITU-T protocol version;
- TIPHON roles;
- RAS Messages;
- parameters for each RAS message;
- BCC Messages;
- parameters for each BCC message;
- 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.

Item column

The item column contains a qualified 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, are used for the status column:

M	mandatory - the capability is required to be supported;
O	indicates an optional requirement in ITU-T Recommendation H.225.0. However, only sending of the parameter/message is optional. When the parameter/message is received a TIPHON compliant entity shall act upon the parameter/message in accordance with the procedures as described in the main body of the present document;
""	an empty status field indicates that ITU-T Recommendation H.225.0 shall be followed in regards to optionally;
N/A	not applicable - in the given context, it is impossible to use the capability;
X	prohibited (excluded) - there is a requirement not to use this capability in the given context;
Ot.i	qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies a unique group of related optional items in the table numbered t and the logic of their selection which is defined immediately following the table;
Ct.i	conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying a unique conditional status in the table numbered t, expression which is defined immediately following the table.

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, 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).

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, 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

Notes describe the content of the field, when only restricted values are supported, for sent message.

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.

EXAMPLE: A.5/4 is the reference to the answer of item 4 in table 5 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 clause 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 clauses 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 terminal 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 Implementation Under Test (IUT) identification

IUT name:

.....

.....

IUT version:

.....

A.2.3 System Under Test (SUT) identification

SUT name:

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Hardware configuration:

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.....

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Operating system:

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A.2.4 Product supplier

Name:

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Address:

.....

.....

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Telephone number:

.....

Facsimile number:

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E-mail address:

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Additional information:

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.....

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A.2.5 Terminal (if different from product supplier)

Name:

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Address:

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.....

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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:

.....

Facsimile 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 standards:

ETSI TS 101 883: "Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON) Release 3; Technology Mapping; Implementation of TIPHON architecture using H.323".

ITU-T Recommendation H.323 (1998): "Framework and wire-protocol for multiplexed call signalling transport";

ITU-T Recommendation H.323 (1999): "Framework and wire-protocol for multiplexed call signalling transport";

ITU-T Recommendation H.323 (2000): "Framework and wire-protocol for multiplexed call signalling transport";

ITU-T Recommendation H.225 (1998): " Call signalling protocols and media stream packetization for packet-based multimedia communication systems ";

ITU-T Recommendation H.225 (1999): " Call signalling protocols and media stream packetization for packet-based multimedia communication systems";

ITU-T Recommendation H.225 (2000): " Call signalling protocols and media stream packetization for packet-based multimedia communication systems".

A.5 Global statement of conformance

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

NOTE: 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 H.323 entities

Table A.1: H.323 entities

Item	H.323 entitie	Reference	Status	Support
HE 1	Terminal		O.1.1	
HE 2	Gatekeeper		O.1.1	
HE 3	Gateway		O.1.1	
Comments:				

O.1.1: It is mandatory to support at least one of the items

A.7 H.323 ITU-T protocol version

Table A.2: H.323 entities

Item	H.323 protocol version	Reference	Status	Support
VE 1	H.323 Version 2		O.2.1	
VE 2	H.323 Version 3		O.2.1	
VE 3	H.323 Version 4		O.2.1	
Comments:				

O.2.1: It is mandatory to support at least one of the items

A.8 TIPHON roles

Table A.3: TIPHON roles

Item	TIPHON role	Reference	Status	Support
TR 1	Terminal		C.3.1	
TR 1.1	Originating Terminal		C:M	
TR 1.2	Terminating Terminal		C:M	
TR 2	Gatekeeper network		C.3.2	
TR 3	Gatekeeper inter-Domain		C.3.2	
TR 3.1	Originating Gatekeeper inter-Domain		C:M	
TR 3.2	Terminating Gatekeeper inter-Domain		C:M	
TR 3	Gateway		C.3.3	
TR 3.1	Originating Gateway		C:M	
TR 3.2	Terminating Gateway		C:M	
Comments:				

C.3.1: If A.1/HE1 then M else N/A
C.3.2: If A.1/HE2 then M else N/A
C.3.3: If A.1/HE3 then M else N/A

A.9 Terminal or Gateway roles

This clause contains the PICS proforma tables related to the terminal role. It concerns exchange between a Terminal or a gateway and its Gatekeeper at C1 and R1 TIPHON references point. The following tables need to be completed only for Terminal or Gateway

Prerequisite: A.3/TR1 OR A.3/TR3 item -- Terminal role

A.9.1 Subsidiary capabilities

Table A.4: Subsidiary capabilities

Item	Subsidiary capabilities	Reference	H.323 Status	TIPHON Status	Support
T_SC 1	Security parameter negotiation	B.1.2.1 [1]	O	O	
T_SC 2	Registration Keep-Alive procedure	4.2 [1]	O	M	
T_SC 3	Pre-granted admission	4.1 [1]	O	M	
T_SC 4	Gatekeeper routed model	5.1.1.1.1 [1]	O	M	
T_SC 5	En-Bloc Procedure	5.1.1.1.2 [1], 5.1.12.1.1 [1]	O	C.4.1	
T_SC 6	Overlap Sending	5.1.1.1.1 [1], 5.1.12.1 [1]	O	C.4.2	
T_SC 6.1	Timer Q.931 T302	5.1.1.1.3 [1]	M	M	
T_SC 7	Establishment of media channels	5.1.1.1.4 [1], 5.1.12.1.4 [1]	M	M	
T_SC 7.1	Fast connect procedure	5.1.1.1.4 [1], 5.1.12.1.4 [1]	O	M	
T_SC 7.2	Encapsulation of H.245 messages within H.225.0 messages	5.1.1.1.4 [1], 5.1.12.1.4 [1]	O	M	
T_SC 8	In-band Information	5.1.1.1.5 [1], 5.1.12.5 [1]	O	C.4.3	
Comments:					

C.4.1: If A.3/TR1.2 then M else O
C.4.2: If A.3/TR1.2 then X else O
C.4.3: If A.3/TR1.1 then M else O

A.9.2 RAS Messages and Parameters

A.9.2.1 RAS Messages

Table A.5: RAS Messages

Item	RAS Message	Reference	H.323 Status		R1 Status		Support	
			Sending	Receiving	Sending	Receiving	Sending	Receiving
T_RM 1	Discovery messages	7.7 [3], 7.8 [3], B.1.2 [1]	O	O	C.5.1	C.5.1		
T_RM 1.1	GRQ	7.7 [3], 7.9.1 [3], B.1.2 [1]	O	N/A	C:M	N/A		
T_RM 1.2	GCF	7.7 [3], 7.9.2 [3], B.1.2 [1]	N/A	O	N/A	C:M		
T_RM 1.3	GRJ	7.7 [3], 7.9.3 [3], B.1.2 [1]	N/A	O	N/A	C:M		
T_RM 2	Registration messages	7.7 [3], 7.8 [3], B.1.2 [1]	M	M	M	M		
T_RM 2.1	RRQ	7.7 [3], 7.9.1 [3], B.1.2 [1]	M	N/A	M	N/A		
T_RM 2.2	RCF	7.7 [3], 7.9.2 [3], B.1.2 [1]	N/A	M	N/A	M		
T_RM 2.3	RRJ	7.7 [3], 7.9.3 [3], B.1.2 [1]	N/A	M	N/A	M		
T_RM 2.4	URQ	7.7 [3], 7.10.1 [3], B.1.2 [1]	O	M		M		
T_RM 2.5	UCF	7.7 [3], 7.10.2 [3], B.1.2 [1]	M	O	M			
T_RM 2.6	URJ	7.7 [3], 7.10.3 [3], B.1.2 [1]	O	O				
T_RM 3	Admission/Disengagement messages	7.7 [3], 7.14 7.11 [3], B.1.2 [1]	M	M	N/A (see note)	N/A (see note)		
T_RM 4	Bandwith messages	7.7 [3], 7.12 [3], B.1.2 [1]	M	M	N/A	N/A		
T_RM 5	Status request messages	7.7 [3], 7.15 [3], B.1.2 [1]	M	O	N/A	N/A		
T_RM 6	Location messages	7.7 [3], 7.13 [3], B.1.2 [1]	O	N/A	N/A	N/A		
T_RM 7	Non Standard messages	7.7 [3], 7.16 [3], B.1.2 [1]	O	O	N/A	N/A		
T_RM 8	Message not Understood	7.7 [3], 7.17 [3], B.1.2 [1]	O	N/A	N/A	N/A		
T_RM 9	Gateway Resource Availability messages	7.7 [3], 7.18 [3], B.1.2 [1]	O	N/A	N/A	N/A		
T_RM 10	Ras timers and Request in Progress	7.7 [3], 7.19 [3], B.1.2 [1]	O	M	N/A	N/A		
Comments:								
NOTE: TIPHON compliant Gatekeepers shall issue the pregrantedArq indication in the Registration Confirm message.								

C.5.1: IF A.4/T_SC 1 then M else O

A.9.2.2 Parameters for Gatekeeper Request

Prerequisite: A.5/T_RM1 item -- Discovery messages

Table A.6: Parameters for Gatekeeper Request

Item	Parameters for GRQ	Reference	H.323 Status	R1 Status	Support
T_GRQ 1	requestSeqNum	7.8.1 [3], B.1.2.1.1 [1]	M	M	
T_GRQ 2	ProtocolIdentifier	7.8.1 [3], B.1.2.1.1 [1]	M	M	
T_GRQ 3	RasAddress	7.8.1 [3], B.1.2.1.1 [1]	M	M	
T_GRQ 4	nonStandardData	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 5	endpointType	7.8.1 [3], B.1.2.1.1 [1]	M	M (see note)	
T_GRQ 6	gatekeeperIdentifier	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 7	callServices	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 8	endpointAlias	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 9	alternateEndpoints	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 10	authenticationCapability	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 11	tokens	7.8.1 [3], B.1.2.1.1 [1]	O	O	
T_GRQ 12	cryptoTokens	7.8.1 [3], B.1.2.1.1 [1]	O	O	
T_GRQ 13	algorithmOID	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 14	integrity	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 15	integrityCheckValue	7.8.1 [3], B.1.2.1.1 [1]	O		
T_GRQ 16	supportsAltGK	B.1.2.1.1 [1]	C.6.1		
T_GRQ 17	featureSet	B.1.2.1.1 [1]	C.6.1		
T_GRQ 18	genericData	B.1.2.1.1 [1]	C.6.1		
Comments:					
NOTE: endpointType shall be set to terminal.					

C.6.1: IF A.2/VE_3 THEN O ELSE X

A.9.2.3 Parameters for Gatekeeper Confirm

Prerequisite: A.5/T_RM1 item -- Discovery messages

Table A.7: Parameters for Gatekeeper Confirm

Item	Parameters for GCF	Reference	H.323 Status	R1 Status	Support
T_GCF 1	requestSeqNum	7.8.2 [3], B.1.2.1.2 [1]	M	M	
T_GCF 2	protocolIdentifier	7.8.2 [3], B.1.2.1.2 [1]	M	M	
T_GCF 3	rasAddress	7.8.2 [3], B.1.2.1.2 [1]	M	M	
T_GCF 4	nonStandardData	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 5	gatekeeperIdentifier	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 6	alternateGatekeeper	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 7	authenticationMode	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 8	tokens	7.8.2 [3], B.1.2.1.2 [1]	O	O	
T_GCF 9	cryptoTokens	7.8.2 [3], B.1.2.1.2 [1]	O	O	
T_GCF 10	algorithmOID	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 11	integrity	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 12	integrityCheckValue	7.8.2 [3], B.1.2.1.2 [1]	O		
T_GCF 13	featureSet	B.1.2.1.2 [1]	C.7.1		
T_GCF 14	genericData	B.1.2.1.2 [1]	C.7.1		
Comments:					

C.7.1: IF A.2/VE_3 THEN O ELSE X

A.9.2.4 Parameters for Gatekeeper Reject

Prerequisite: A.5/T_RM1 item -- Discovery messages

Table A.8: Parameters for Gatekeeper Reject

Item	Parameters for GRJ	Reference	H.323 Status	R1 Status	Support
T_GRJ 1	requestSeqNum	7.8.3 [3], B.1.2.1.3 [1]	M	M	
T_GRJ 2	protocolIdentifier	7.8.3 [3], B.1.2.1.3 [1]	M	M	
T_GRJ 3	rejectReason	7.8.3 [3], B.1.2.1.3 [1]	M	M	
T_GRJ 4	nonStandardData	7.8.3 [3], B.1.2.1.3 [1]	O		
T_GRJ 5	gatekeeperIdentifier	7.8.3 [3], B.1.2.1.3 [1]	O		
T_GRJ 6	altGKInfo	7.8.3 [3], B.1.2.1.3 [1]	O		
T_GRJ 7	tokens	7.8.3 [3], B.1.2.1.3 [1]	O	O	
T_GRJ 8	cryptoTokens	7.8.3 [3], B.1.2.1.3 [1]	O	O	
T_GRJ 9	integrityCheckValue	7.8.3 [3], B.1.2.1.3 [1]	O		
T_GRJ 10	featureSet	B.1.2.1.3 [1]	C.8.1		
T_GRJ 11	genericData	B.1.2.1.3 [1]	C.8.1		
Comments:					

C.8.1: IF A.2/VE_3 THEN O ELSE X

A.9.2.5 Parameters for Registration Request

Table A.9: Parameters for Registration Request

Item	Parameters for RRQ	Reference	H.323 Status	R1 Status	Support
T_RRQ 1	requestSeqNum	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 2	ProtocolIdentifier	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 3	discoveryComplete	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 4	callSignalAddress	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 5	rasAddress	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 6	terminalType	7.9.1 [3], B.1.2.2.1 [1]	M	M (see note 1)	
T_RRQ 7	endpointVendor	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 8	keepAlive	7.9.1 [3], B.1.2.2.1 [1]	M	M	
T_RRQ 9	willSupplyUUIEs	7.9.1 [3], B.1.2.2.1 [1]	M	M (see note 2)	
T_RRQ 10	nonStandardData	7.9.1 [3], B.1.2.2.1 [1]	O		
T_RRQ 11	terminalAlias	7.9.1 [3], B.1.2.2.1 [1]	O	M	
T_RRQ 12	gatekeeperIdentifier	7.9.1 [3], B.1.2.2.1 [1]	O		
T_RRQ 13	alternateEndpoints	7.9.1 [3], B.1.2.2.1 [1]	O		
T_RRQ 14	timeToLive	7.9.1 [3], B.1.2.2.1 [1]	O	M	
T_RRQ 15	tokens	7.9.1 [3], B.1.2.2.1 [1]	O	O	
T_RRQ 16	cryptoTokens	7.9.1 [3], B.1.2.2.1 [1]	O	O	
T_RRQ 17	integrityCheckValue	7.9.1 [3], B.1.2.2.1 [1]	O		
T_RRQ 18	endpointIdentifier	7.9.1 [3], B.1.2.2.1 [1]	O	O	
T_RRQ 19	maintainConnection	7.9.1 [3], B.1.2.2.1 [1]	C.9.1	C.9.1 (see note 2)	
T_RRQ 20	supportAnnexECallSignalling	7.9.1 [3], B.1.2.2.1 [1]	C.9.2	C.9.2 (see note 2)	
T_RRQ 21	alternateTransportAddresses	B.1.2.2.1 [1]	C.9.3		
T_RRQ 22	additiveRegistration	B.1.2.2.1 [1]	C.9.3	N/A	
T_RRQ 23	terminalAliasPattern	B.1.2.2.1 [1]	C.9.3	N/A	
T_RRQ 24	supportsAltGK	B.1.2.2.1 [1]	C.9.3		
T_RRQ 25	usageReportingCapability	B.1.2.2.1 [1]	C.9.3	N/A	
T_RRQ 26	multipleCalls	B.1.2.2.1 [1]	C.9.3		
T_RRQ 27	SupportedH248Packages	B.1.2.2.1 [1]	C.9.3		
T_RRQ 28	callCreditCapability	B.1.2.2.1 [1]	C.9.3		
T_RRQ 29	capacityReportingCapability	B.1.2.2.1 [1]	C.9.3		
T_RRQ 30	capacity	B.1.2.2.1 [1]	C.9.3		
T_RRQ 31	featureSet	B.1.2.2.1 [1]	C.9.3		
T_RRQ 32	genericData	B.1.2.2.1 [1]	C.9.3		
Comments:					
NOTE 1: According to TIPHON profile, this field shall be set to Terminal value. NOTE 2: According to TIPHON profile, this field shall be set to FALSE value.					

C.9.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.9.2: IF A.2/VE_2 THEN M ELSE X
C.9.3: IF A.2/VE_3 THEN O ELSE X

A.9.2.6 Parameters for Registration Confirm

Table A.10: Parameters for Registration Confirm

Item	Parameters for RCF	Reference	H.323 Status	R1 Status	Support
T_RCF 1	requestSeqNum	7.9.2 [3], B.1.2.2.2 [1]	M	M	
T_RCF 2	protocolIdentifier	7.9.2 [3], B.1.2.2.2 [1]	M	M	
T_RCF 3	callSignalAddress	7.9.2 [3], B.1.2.2.2 [1]	M	M	
T_RCF 4	nonStandardData	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 5	terminalAlias	7.9.2 [3], B.1.2.2.2 [1]	O	M	
T_RCF 6	gatekeeperIdentifier	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 7	endpointIdentifier	7.9.2 [3], B.1.2.2.2 [1]	M	M	
T_RCF 8	alternateGatekeeper	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 9	timeToLive	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 10	tokens	7.9.2 [3], B.1.2.2.2 [1]	O	O	
T_RCF 11	cryptoTokens	7.9.2 [3], B.1.2.2.2 [1]	O	O	
T_RCF 12	integrityCheckValue	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 13	willRespondToIRR	7.9.2 [3], B.1.2.2.2 [1]	M	M (see note 1)	
T_RCF 14	preGrantedARQ	7.9.2 [3], B.1.2.2.2 [1]	O	M (see note 2)	
T_RCF 15	irrFrequencyInCall	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 16	totalBandwdthRestriction	7.9.2 [3], B.1.2.2.2 [1]	O		
T_RCF 17	useAnnexECallSignalling	7.9.2 [3], B.1.2.2.2 [1]	M	M	
T_RCF 18	maintainConnection	7.9.2 [3], B.1.2.2.2 [1]	C.10.1	C.10.1	
T_RCF 19	serviceControl	B.1.2.2.2 [1]	C.10.2		
T_RCF 20	supportAdditiveRegistration	B.1.2.2.2 [1]	C.10.2	N/A	
T_RCF 21	terminalAliasPattern	B.1.2.2.2 [1]	C.10.2	N/A	
T_RCF 22	supportedPrefixes	B.1.2.2.2 [1]	C.10.2	N/A	
T_RCF 23	usageSpec	B.1.2.2.2 [1]	C.10.2	N/A	
T_RCF 24	featureServerAlias	B.1.2.2.2 [1]	C.10.2		
T_RCF 25	capacityReportingSpec	B.1.2.2.2 [1]	C.10.2		
T_RCF 26	featureSet	B.1.2.2.2 [1]	C.10.2		
T_RCF 27	genericData	B.1.2.2.2 [1]	C.10.2		
Comments:					

NOTE 1: willRespondToIRR shall be set to FALSE.
NOTE 2: The **makeCall** parameter shall be set to **TRUE**. The **useGKCallSignalAddressToMakeCall** parameter shall be set to **TRUE**. The **answerCall** parameter shall be set to **TRUE**. The **seGKCallSignalAddressToAnswer** parameter shall be set to **TRUE**.

C.10.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.10.2: IF A.2/VE_3 THEN O ELSE X

A.9.2.7 Parameters for Registration Reject

Table A.11: Parameters for Registration Reject

Item	Parameters for RRJ	Reference	H.323 Status	R1 Status	Support
T_RRJ 1	requestSeqNum	7.9.3 [3], B.1.2.2.3 [1]	M	M	
T_RRJ 2	protocolIdentifier	7.9.3 [3], B.1.2.2.3 [1]	M	M	
T_RRJ 3	rejectReason	7.9.3 [3], B.1.2.2.3 [1]	M	M	
T_RRJ 4	nonStandardData	7.9.3 [3], B.1.2.2.3 [1]	O		
T_RRJ 5	gatekeeperIdentifier	7.9.3 [3], B.1.2.2.3 [1]	O		
T_RRJ 6	altGKInfo	7.9.3 [3], B.1.2.2.3 [1]	O		
T_RRJ 7	tokens	7.9.3 [3], B.1.2.2.3 [1]	O	O	
T_RRJ 8	cryptoTokens	7.9.3 [3], B.1.2.2.3 [1]	O	O	
T_RRJ 9	integrityCheckValue	7.9.3 [3], B.1.2.2.3 [1]	O		
T_RRJ 10	featureSet	B.1.2.2.1 [1]	C.11.1		
T_RRJ 11	genericData	B.1.2.2.1 [1]	C.11.1		
Comments:					

C.11.1: IF A.2/VE_3 THEN O ELSE X

A.9.2.8 Parameters for Unregistration Request

Table A.12: Parameters for Unregistration Request

Item	Parameters for URQ	Reference	H.323 Status	R1 Status	Support
T_URQ 1	requestSeqNum	7.10.1 [3], B.1.2.3 [1]	M	M	
T_URQ 2	callSignalAddress	7.10.1 [3], B.1.2.3 [1]	C.12.1	C.12.1	
T_URQ 3	endpoinAlias	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 4	nonStandardData	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 5	endpointIdentifier	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 6	alternateEndpoints	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 7	gatekeeperIdentifier	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 8	tokens	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 9	cryptoTokens	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 10	integrityCheckValue	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 11	reason	7.10.1 [3], B.1.2.3 [1]	O		
T_URQ 12	endpointAliasPattern	7.10.1 [3], B.1.2.3 [1]	C.12.2		
T_URQ 13	supportedPrefixes	7.10.1 [3], B.1.2.3 [1]	C.12.2		
T_URQ 14	alternateGatekeeper	B.1.2.3 [1]	C.12.2		
T_URQ 15	genericData	7.10.1 [3], B.1.2.3 [1]	C.12.2		
Comments:					

C.12.1: IF A.2/VE_2 THEN X ELSE M
C.12.2: IF A.2/VE_3 THEN O ELSE X

A.9.2.9 Parameters for Unregistration Confirm

Table A.13: Parameters for Unregistration Confirm

Item	Parameters for UCF	Reference	H.323 Status	R1 Status	Support
T_UCF 1	requestSeqNum	7.10.2 [3], B.1.2.3 [1]	M	M	
T_UCF 2	nonStandardData	7.10.2 [3], B.1.2.3 [1]	O		
T_UCF 3	tokens	7.10.2 [3], B.1.2.3 [1]	O		
T_UCF 4	cryptoTokens	7.10.2 [3], B.1.2.3 [1]	O		
T_UCF 5	integrityCheckValue	7.10.2 [3], B.1.2.3 [1]	O		
T_UCF 6	genericData	B.1.2.3 [1]	C.13.1		
Comments:					

C.13.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X

A.9.2.10 Parameters for Unregistration Reject

Table A.14: Parameters for Unregistration Reject

Item	Parameters for URJ	Reference	H.323 Status	R1 Status	Support
T_RRJ 1	requestSeqNum	7.10.3 [3], B.1.2.3 [1]	M	M	
T_URJ 2	rejectReason	7.10.3 [3], B.1.2.3 [1]	M	M	
T_URJ 3	nonStandardData	7.10.3 [3], B.1.2.3 [1]	O		
T_URJ 4	altGKInfo	7.10.3 [3], B.1.2.3 [1]	O		
T_URJ 5	tokens	7.10.3 [3], B.1.2.3 [1]	O		
T_URJ 6	cryptoTokens	7.10.3 [3], B.1.2.3 [1]	O		
T_URJ 7	integrityCheckValue	7.10.3 [3], B.1.2.3 [1]	O		
T_URJ 8	genericData	B.1.2.3 [1]	C.14.1		
Comments:					

C.14.1: IF A.2/VE_3 THEN O ELSE X

A.9.3 BCC Messages and Parameters

A.9.3.1 BCC Messages

Table A.15: BCC Messages

Item	BCC Message	Reference	H.323 Status	C1 Status	Support
T_BM 1	Alerting	7.3.1 [3], B.1.3 [1]	O	O	
T_BM 2	Call Proceeding	7.3.2 [3], B.1.3 [1]	O	O	
T_BM 3	Connect	7.3.3 [3], B.1.3 [1]	M	M	
T_BM 4	Information	7.3.6 [3], B.1.3 [1]	O	O	
T_BM 5	Progress	7.3.7 [3], B.1.3 [1]	O	O	
T_BM 6	Release Complete	7.3.9 [3], B.1.3 [1]	M	M	
T_BM 7	Setup	7.3.10 [3], B.1.3 [1]	M	M	
T_BM 8	Setup Ack	7.3.11 [3], B.1.3 [1]	O	O	
T_BM 9	Facility	7.4.1 [3], B.1.3 [1]	O	O	
Comments:					

A.9.3.2 Parameters for Alerting

Table A.16: Parameters for Alerting

Item	Parameters for Alerting	Reference	H.323 Status	C1 Status	Support
T_AL 1	Protocol discriminator	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 2	Call reference	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 3	Message type	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 4	User-to-User	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 5	Bearer capability	7.3.1 [3], B.1.3.1 [1]	O		
T_AL 6	Extended Facility	7.3.1 [3], B.1.3.1 [1]	O		
T_AL 7	Facility	7.3.1 [3], B.1.3.1 [1]	O		
T_AL 8	Progress indicator	7.3.1 [3], B.1.3.1 [1]	O	O	
T_AL 9	Notification indicator	7.3.1 [3], B.1.3.1.1 [1]	O		
T_AL 10	Display	7.3.1 [3], B.1.3.1 [1]	O		
T_AL 11	Signal	7.3.1 [3], B.1.3.1 [1]	O		
T_AL 12	protocolIdentifier	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 13	destinationInfo	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 14	callIdentifier	7.3.1 [3], B.1.3.1 [1]	M	M	
T_AL 15	h245Address	7.3.1 [3], B.1.3.1.1 [1]	O		
T_AL 16	h245SecurityMode	7.3.1 [3], B.1.3.1 [1]	O		
T_AL 17	tokens	7.3.1 [3], B.1.3.1 [1]	O	O	
T_AL 18	cryptoTokens	7.3.1 [3], B.1.3.1 [1]	O	O	
T_AL 19	fastStart	7.3.1 [3], B.1.3.1 [1]	O	O	
T_AL 20	multipleCalls	7.3.1 [3], B.1.3.1 [1]	C.16.1	C.16.1 (see note)	
T_AL 21	maintainConnection	7.3.1 [3], B.1.3.1 [1]	C.16.1	C.16.1 (see note)	
T_AL 22	alertingAddress	7.3.1 [3], B.1.3.1 [1]	C.16.2	C.16.1	
T_AL 23	presentationIndicator	7.3.1 [3], B.1.3.1 [1]	C.16.1	C.16.1	
T_AL 24	screeningIndicator	7.3.1 [3], B.1.3.1 [1]	C.16.1	C.16.1	
T_AL 25	fastConnectRefused	B.1.3.1 [1]	C.16.3		
T_AL 26	serviceControl	B.1.3.1 [1]	C.16.3		
T_AL 27	capacity	B.1.3.1 [1]	C.16.3		
T_AL 28	featureSet	B.1.3.1 [1]	C.16.3		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.16.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.16.2: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.16.3: IF A.2/VE_3 THEN O ELSE X

A.9.3.3 Parameters for Call Proceeding

Table A.17: Parameters for Call Proceeding

Item	Parameters for Call Proceeding	Reference	H.323 Status	C1 Status	Support
T_CP 1	Protocol discriminator	7.3.2 [3], B.1.3. 2 [1]	M	M	
T_CP 2	Call reference	7.3.2 [3], B.1.3.2 [1]	M	M	
T_CP 3	Message type	7.3.2 [3], B.1.3.2 [1]	M	M	
T_CP 4	User-to-User	7.3.2 [3], B.1.3.2 [1]	M	M	
T_CP 5	Bearer capability	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 6	Extended Facility	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 7	Facility	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 8	Progress indicator	7.3.2 [3], B.1.3.2 [1]	O	O	
T_CP 9	Notification indicator	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 10	Display	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 11	protocolIdentifier	7.3.2 [3], B.1.3.2 [1]	M	M	
T_CP 12	destinationInfo	7.3.2 [3], B.1.3.2 [1]	M	M	
T_CP 13	callIdentifier	7.3.2 [3], B.1.3.2 [1]	M	M	
T_CP 14	h245Address	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 15	h245SecurityMode	7.3.2 [3], B.1.3.2 [1]	O		
T_CP 16	tokens	7.3.2 [3], B.1.3.2 [1]	O	O	
T_CP 17	cryptoTokens	7.3.2 [3], B.1.3.2 [1]	O	O	
T_CP 18	fastStart	7.3.2 [3], B.1.3.2 [1]	O	O	
T_CP 19	multipleCalls	7.3.2 [3], B.1.3.2 [1]	C.17.1	C.17.1 (see note)	
T_CP 20	maintainConnection	7.3.2 [3], B.1.3.1.2 [1]	C.17.1	C.17.1 (see note)	
T_CP 21	fastConnecRefused	B.1.3.1.2 [1]	C.17.2	C.17.2	
T_CP 22	featureSet	B.1.3.1.2 [1]	C.17.2	C.17.2	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.17.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.17.2: IF A.2/VE_3 THEN O ELSE X

A.9.3.4 Parameters for Connect

Table A.18: Parameters for Connect

Item	Parameters for Connect	Reference	H.323 Status	C1 Status	Support
T_CO 1	Protocol discriminator	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 2	Call reference	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 3	Message type	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 4	User-to-User	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 5	Bearer capability	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 6	Extended Facility	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 7	Facility	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 8	Progress indicator	7.3.3 [3] B.1.3. 3 [1]	O	O	
T_CO 9	Notification indicator	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 10	Display	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 11	Date/Time	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 12	Connected Number	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 13	Connected Subaddress	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 14	protocolIdentifier	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 15	destinationInfo	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 16	conferenceID	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 17	callIdentifier	7.3.3 [3] B.1.3. 3 [1]	M	M	
T_CO 18	h245Address	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 19	h245SecurityMode	7.3.3 [3] B.1.3. 3 [1]	O		
T_CO 20	tokens	7.3.3 [3] B.1.3. 3 [1]	O	O	
T_CO 21	cryptoTokens	7.3.3 [3] B.1.3. 3 [1]	O	O	
T_CO 22	fastStart	7.3.3 [3] B.1.3. 3 [1]	O	O	
T_CO 23	multipleCalls	7.3.3 [3] B.1.3. 3 [1]	C.18.1	C.18.1 (see note)	
T_CO 24	maintainConnection	7.3.3 [3] B.1.3. 3 [1]	C.18.1	C.18.1 (see note)	
T_CO 25	language	7.3.3 [3] B.1.3. 3 [1]	C.18.2		
T_CO 26	ConnectedAddress	7.3.3 [3] B.1.3. 3 [1]	C.18.2		
T_CO 27	presentationIndicator	7.3.3 [3] B.1.3. 3 [1]	C.18.3	C.18.3	
T_CO 28	screeningIndicator	7.3.3 [3] B.1.3. 3 [1]	C.18.3	C.18.3	
T_CO 29	fastConnectRefused	B.1.3.1.3 [1]	C.18.4	C.18.4	
T_CO 30	serviceControl	B.1.3.1.3 [1]	C.18.4	C.18.4	
T_CO 31	capacity	B.1.3.1.3 [1]	C.18.4	C.18.4	
T_CO 32	featureSet	B.1.3.1.3 [1]	C.18.4	C.18.4	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.18.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.18.2: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.18.3: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.18.4: IF A.2/VE_3 THEN O ELSE X

A.9.3.5 Parameters for Information

Table A.19: Parameters for Information

Prerequisite: A.15/T_BM6 item -- Information supported

Item	Parameters for Information	Reference	H.323 Status	C1 Status	Support
T_IN 1	Protocol discriminator	7.3.6 [3], B.1.3.5 [1]	M	M	
T_IN 2	Call reference	7.3.6 [3], B.1.3.5 [1]	M	M	
T_IN 3	Message type	7.3.6 [3], B.1.3.5 [1]	M	M	
T_IN 4	User-to-User	7.3.6 [3], B.1.3.5 [1]	M	M	
T_IN 5	Sending complete	7.3.6 [3], B.1.3.5 [1]	O	O.19.1	
T_IN 6	Display	7.3.6 [3], B.1.3.5 [1]	O		
T_IN 7	Keypad Facility	7.3.6 [3], B.1.3.5 [1]	O		
T_IN 8	Signal	7.3.6 [3], B.1.3.5 [1]	O		
T_IN 9	Called party number	7.3.6 [3], B.1.3.5 [1]	O	O.19.1	
T_IN 10	protocolIdentifier	7.3.6 [3], B.1.3.5 [1]	M	M	
T_IN 11	callIdentifier	7.3.6 [3], B.1.3.5 [1]	M	M	
T_IN 12	tokens	7.3.6 [3], B.1.3.5 [1]	C.19.1	C.19.1	
T_IN 13	cryptoTokens	7.3.6 [3], B.1.3.5 [1]	C.19.1	C.19.1	
T_IN 14	fastStart	7.3.6 [3], B.1.3.5 [1]	C.19.1	N/A	
T_IN 15	fastConnectRefused	B.1.3.5 [1]	C.19.2		
T_IN 16	circuitInfo	B.1.3.5 [1]	C.19.2		
Comments:					

O.19.1: It is mandatory to support at least one of the items
C.19.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.19.2: IF A.2/VE_3 THEN O ELSE X

A.9.3.6 Parameters for Progress

Table A.20: Parameters for Progress

Prerequisite: A.15/T_BM7 item -- Progress supported

Item	Parameters for Progress	Reference	H.323 Status	C1 Status	Support
T_PG 1	Protocol discriminator	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 2	Call reference	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 3	Message type	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 4	Progress indicator	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 5	User-to-User	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 6	Bearer capability	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 7	Cause	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 8	Display	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 9	Extended Facility	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 10	Facility	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 11	Notification indicator	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 12	protocolIdentifier	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 13	destinationInfo	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 14	callIdentifier	7.3.7 [3], B.1.3.6 [1]	M	M	
T_PG 15	h245Address	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 16	h245SecurityMode	7.3.7 [3], B.1.3.6 [1]	O		
T_PG 17	tokens	7.3.7 [3], B.1.3.6 [1]	O	O	
T_PG 18	cryptoTokens	7.3.7 [3], B.1.3.6 [1]	O	O	
T_PG 19	fastStart	7.3.7 [3], B.1.3.6 [1]	O	O	
T_PG 20	multipleCalls	7.3.7 [3], B.1.3.6 [1]	C.20.1	C.20.1 (see note)	
T_PG 21	maintainConnection	7.3.7 [3], B.1.3.6 [1]	C.20.1	C.20.1 (see note)	
T_PG 22	fastConnectRefused	B.1.3.1.4 [1]	C.20.2	C.20.2	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.20.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.20.2: IF A.2/VE_3 THEN O ELSE X

A.9.3.7 Parameters for Release Complete

Table A.21: Parameters for Release Complete

Item	Parameters for Release Complete	Reference	H.323 Status	C1 Status	Support
T_RC 1	Protocol discriminator	7.3.9 [3] B.1.3.7 [1]	M	M	
T_RC 2	Call reference	7.3.9 [3] B.1.3.7 [1]	M	M	
T_RC 3	Message type	7.3.9 [3] B.1.3.7 [1]	M	M	
T_RC 4	User-to-User	7.3.9 [3] B.1.3.7 [1]	M	M	
T_RC 5	cause	7.3.9 [3] B.1.3.7 [1]	O.21.1	O.21.1	
T_RC 6	Facility	7.3.9 [3] B.1.3.7 [1]	O		
T_RC 7	Notification indicator	7.3.9 [3] B.1.3.7 [1]	O		
T_RC 8	Display	7.3.9 [3] B.1.3.7 [1]	O		
T_RC 9	signal	7.3.9 [3] B.1.3.7 [1]	O		
T_RC 10	protocolIdentifier	7.3.9 [3] B.1.3.7 [1]	M	M	
T_RC 11	reason	7.3.9 [3] B.1.3.7 [1]	O.21.1	O.21.1	
T_RC 12	callIdentifier	7.3.9 [3] B.1.3.7 [1]	M	M	
T_RC 13	tokens	7.3.9 [3] B.1.3.7 [1]	O	O	
T_RC 14	cryptoTokens	7.3.9 [3] B.1.3.7 [1]	O	O	
T_RC 15	busyAddress	7.3.9 [3] B.1.3.7 [1]	C.21.1		
T_RC 16	presentationIndicator	7.3.9 [3] B.1.3.7 [1]	C.21.2	C.21.2	
T_RC 17	screeningIndicator	7.3.9 [3] B.1.3.7 [1]	C.21.2	C.21.2	
T_RC 18	capacity	B.1.3.2.1 [1]	C.21.3		
T_RC 19	serviceControl	B.1.3.2.1 [1]	C.21.3		
T_RC 20	featureSet	B.1.3.2.1 [1]	C.21.3		
Comments:					

O.21.1: Only one of these field shall be present
C.21.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.21.2: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.21.3: IF A.2/VE_3 THEN O ELSE X

A.9.3.8 Parameters for Setup

Table A.22: Parameters for Setup

Item	Parameters for Setup	Reference	H.323 Status	C1 Status	Support
T_SU 1	Protocol discriminator	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 2	Call reference	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 3	Message type	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 4	Bearer capability	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 5	User-to-User	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 6	sendingcomplete	7.3.10 [3], B.1.3.8 [1]	O	O	
T_SU 7	Extended Facility	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 8	Facility	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 9	Notification indicator	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 10	Display	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 11	signal	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 12	keypadFacility	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 13	Calling party number	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 14	Calling party subaddress	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 15	called party number	7.3.10 [3], B.1.3.8 [1]	O	O.22.1	
T_SU 16	Called party subaddress	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 17	protocolIdentifier	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 18	sourceInfo	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 19	activeMC	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 20	confrenceID	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 21	confrenceGoal	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 22	callType	7.3.10 [3], B.1.3.8 [1]	M	M (see note 2)	
T_SU 23	callIdentifier	7.3.10 [3], B.1.3.8 [1]	M	M	
T_SU 24	h245Address	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 25	sourceAddress	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 26	destinationAddress	7.3.10 [3], B.1.3.8 [1]	O	O.22.1	
T_SU 27	destCallSignalAddress	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 28	destExtraCallInfo	7.3.10 [3], B.1.3.8 [1]	O	N/A	
T_SU 29	destExtraCRV	7.3.10 [3], B.1.3.8 [1]	O	N/A	
T_SU 30	callServices	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 31	SourceCallSignalAddress	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 32	remoteExtensionAddress	7.3.10 [3], B.1.3.8 [1]	O	N/A	
T_SU 33	h245SecurityCapability	7.3.10 [3], B.1.3.8 [1]	O		
T_SU 34	tokens	7.3.10 [3], B.1.3.8 [1]	O	O	
T_SU 35	cryptoTokens	7.3.10 [3], B.1.3.8 [1]	O	O	
T_SU 36	fastStart	7.3.10 [3], B.1.3.8 [1]	O	M	
T_SU 37	mediaWaitForConnect	7.3.10 [3], B.1.3.8 [1]	M	M (see note 1)	
T_SU 38	canOverlapSend	7.3.10 [3], B.1.3.8 [1]	M	M (see note 1)	
T_SU 39	endpointIdentifier	7.3.10 [3], B.1.3.8 [1]	O	M	
T_SU 40	multipleCalls	7.3.10 [3], B.1.3.8 [1]	C.22.1	C.22.1 (see note 1)	
T_SU 41	maintainConnection	7.3.10 [3], B.1.3.8 [1]	C.22.1	C.22.1 (see note 1)	
T_SU 42	connectionParameters	7.3.10 [3], B.1.3.8 [1]	C.22.2		
T_SU 43	language	7.3.10 [3], B.1.3.8 [1]	C.22.2		
T_SU 44	presentationIndicator	7.3.10 [3], B.1.3.8 [1]	C.22.3	C.22.1	
T_SU 45	screeningIndicator	7.3.10 [3], B.1.3.8 [1]	C.22.3	C.22.1	
T_SU 46	serviceControl	B.1.3.1.8 [1]	C.22.4		
T_SU 47	symmetricOperationRequired	B.1.3.1.8 [1]	C.22.4		
T_SU 48	capacity	B.1.3.1.8 [1]	C.22.4		
T_SU 49	circuitInfo	B.1.3.1.8 [1]	C.22.4		
T_SU 50	desiredProtocols	B.1.3.1.8 [1]	C.22.4		
T_SU 51	neededFeatures	B.1.3.1.8 [1]	C.22.4		
T_SU 52	desiredFeatures	B.1.3.1.8 [1]	C.22.4		

Item	Parameters for Setup	Reference	H.323 Status	C1 Status	Support
T_SU 53	supportedFeatures	B.1.3.1.8 [1]	C.22.4		
T_SU 54	ParallelH245Control	B.1.3.1.8 [1]	C.22.4		
T_SU 55	additionalSourceAddresses	B.1.3.1.8 [1]	C.22.4		
Comments:					
NOTE 1: According to TIPHON profile, this field shall be set to FALSE value NOTE 2: The callType parameter shall always be set to pointToPoint					

O.22.1: At least one of these field shall be present
C.22.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.22.2: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.22.3: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.22.4: IF A.2/VE_3 THEN O ELSE X

A.9.3.9 Parameters for Setup Acknowledge

Table A.23: Parameters for Setup Acknowledge

Item	Parameters for Setup Acknowledge	Reference	H.323 Status	C1 Status	Support
T_SA 1	Protocol discriminator	7.3.11 [3], B.1.3.9 [1]	M	M	
T_SA 2	Call reference	7.3.11 [3], B.1.3.9 [1]	M	M	
T_SA 3	Message type	7.3.11 [3], B.1.3.9 [1]	M	M	
T_SA 4	Channel Identification	7.3.11 [3], B.1.3.9 [1]	O	N/A	
T_SA 5	Progress Indicator	7.3.11 [3], B.1.3.9 [1]	O	N/A	
T_SA 6	Display	7.3.11 [3], B.1.3.9 [1]	O		
T_SA 7	Signal	7.3.11 [3], B.1.3.9 [1]	O		
T_SA 8	protocolIdentifier	B.1.3.9 [1]	C.23.1	C.23.1	
T_SA 9	callIdentifier	B.1.3.9 [1]	C.23.1	C.23.1	
T_SA 10	tokens	B.1.3.9 [1]	C.23.2		
T_SA 11	cryptotoTokenstokens	B.1.3.9 [1]	C.23.2		
Comments:					

C.23.1: IF A.2/VE_3 THEN M ELSE X
C.23.2: IF A.2/VE_3 THEN O ELSE X

A.9.3.10 Parameters for Facility

Table A.24: Parameters for Facility

Item	Parameters for Facility	Reference	H.323 Status	C1 Status	Support
T_FA 1	Protocol discriminator	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 2	Call reference	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 3	Message type	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 4	Extended facility	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 5	Facility	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 6	User-To-User	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 7	Display	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 8	protocolIdentifier	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 9	reason	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 10	callIdentifier	7.4.1 [3], B.1.3.4 [1]	M	M	
T_FA 11	alternativeAddress	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 12	alternativeAliasAddress	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 13	conferenceId	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 14	destExtraCallInfo	7.4.1 [3], B.1.3.4 [1]	O	N/A	
T_FA 15	remoteExtensionAddress	7.4.1 [3], B.1.3.4 [1]	O	N/A	
T_FA 16	tokens	7.4.1 [3], B.1.3.4 [1]	O	O	
T_FA 17	cryptoTokens	7.4.1 [3], B.1.3.4 [1]	O	O	
T_FA 18	conferences	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 19	h245Address	7.4.1 [3], B.1.3.4 [1]	O		
T_FA 20	fastStart	7.4.1 [3], B.1.3.4 [1]	O	O	
T_FA 21	multipleCalls	7.4.1 [3], B.1.3.4 [1]	C.24.1	C.24.1 (see note)	
T_FA 22	maintainConnection	7.4.1 [3], B.1.3.4 [1]	C.24.1	C.24.1 (see note)	
T_FA 23	fastConnectRefused	B.1.3.4 [1]	C.24.2		
T_FA 24	serviceControl	B.1.3.4 [1]	C.24.2		
T_FA 25	circuitInfo	B.1.3.4 [1]	C.24.2		
T_FA 26	featureSet	B.1.3.4 [1]	C.24.2		
T_FA 27	destinationInfo	B.1.3.4 [1]	C.24.2		
T_FA 28	H245SecurityMode	B.1.3.4 [1]	C.24.2		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.24.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.24.2: IF A.2/VE_3 THEN O ELSE X

A.9.4 RAS Timer

Table A.25: RAS Timer

Item	Parameters for RRJ	Reference	H.323 Status	R1 Status	Support
T_TI 1	GRQ timer	7.19 [3]	O		
T_TI2	RRQ timer	7.19 [3]	O		
T_TI3	URQ timer	7.19 [3]	O		
T_TI4	ARQ timer	7.19 [3]	O	N/A	
T_TI5	DRQ timer	7.19 [3]	O	N/A	
Comments:					

A.10 Gatekeeper network role

This clause contains the PICS proforma tables related to the Gatekeeper network role. It concerns exchange between a Gatekeeper and Terminals at C1 and R1 TIPHON references point. The following tables need to be completed only for Gatekeeper that supports network role:

Prerequisite: A.3/TR2 item -- Gatekeeper network role

A.10.1 Subsidiary capabilities

Table A.26: Subsidiary capabilities

Item	Subsidiary capabilities	Reference	H.323 Status	TIPHON Status	Support
GN_SC 1	Security parameter negotiation	B.1.2.1 [1]	O	O	
GN_SC 2	Registration Keep-Alive procedure	4.2 [1]	M	M	
GN_SC 3	Pre-granted admission	4.1 [1]	O	M	
GN_SC 4	Gatekeeper routed model	5.1.2.1.1 [1]	O	M	
GN_SC 5	En-Bloc Procedure	5.1.2.1.1 [1], 5.1.8.1.1 [1]	M	M	
GN_SC 6	Overlap Sending	5.1.2.1.1 [1], 5.1.8.1.1 [1]	M	M	
GN_SC 6.1	Timer Q.931 T302	5.1.2.3 [1], 5.1.8.3 [1]	M	M	
GN_SC 7	Establishment of media channels	5.1.2.1.4 [1], 5.1.8.1.4 [1]	M	M	
GN_SC 7.1	Fast connect procedure	5.1.2.1.4 [1], 5.1.8.1.4 [1]	O	M	
GN_SC 7.2	Encapsulation of H.245 messages within H.225.0 messages	5.1.2.1.4 [1], 5.1.8.1.4 [1]	O	M	
GN_SC 8	In-band Information	5.1.2.1.4.2 [1], 5.1.8.1.4.2 [1]	O	M	
Comments:					

A.10.2 RAS Messages and Parameters

A.10.2.1 RAS Messages

Table A.27: RAS Messages

Item	RAS Message	Reference	H.323 Status		R1/S3 Status		Support	
			Sending	Receiving	Sending	Receiving	Sending	Receiving
GN_RM 1	Discovery messages	7.7 [3], 7.8 [3], B.1.2 [1]	M	M	M	M		
GN_RM 1.1	GRQ	7.7 [3], 7.8 [3], B.1.2 [1]	N/A	M	N/A	M		
GN_RM 1.2	GCF	7.7 [3], 7.8 [3], B.1.2 [1]	M	N/A	M	N/A		
GN_RM 1.3	GRJ	7.7 [3], 7.8 [3], B.1.2 [1]	M	N/A	M	N/A		
GN_RM 2	Registration messages	7.7 [3], 7.8 [3], B.1.2 [1]	M	M	M	M		
GN_RM 2.1	RRQ	7.7 [3], 7.9.1 [3], B.1.2 [1]	N/A	M	N/A	M		
GN_RM 2.2	RCF	7.7 [3], 7.9.2 [3], B.1.2 [1]	M	N/A	M	N/A		
GN_RM 2.3	RRJ	7.7 [3], 7.9.3 [3], B.1.2 [1]	M	N/A	M	N/A		
GN_RM 2.4	URQ	7.7 [3], 7.10.1 [3], B.1.2 [1]	O	M		M		
GN_RM 2.5	UCF	7.7 [3], 7.10.2 [3], B.1.2 [1]	M	O	M			
GN_RM 2.6	URJ	7.7 [3], 7.10.3 [3], B.1.2 [1]	M	O	M			
GN_RM 3	Admission/Disengagement messages	7.7 [3], 7.14 7.11 [3], B.1.2 [1]	M	M	N/A (see note)	N/A (see note)		
GN_RM 4	Bandwith messages	7.7 [3], 7.12 [3], B.1.2 [1]	M	M	N/A	N/A		
GN_RM 5	Status request messages	7.7 [3], 7.15 [3], B.1.2 [1]	O	M	N/A	N/A		
GN_RM 6	Location messages	7.7 [3], 7.13 [3], B.1.2 [1]	O	M	O	M		
GN_RM 6.1	LRQ	7.7 [3], 7.10.1 [3], B.1.2 [1]	O	M	O	M		
GN_RM 6.2	LCF	7.7 [3], 7.10.2 [3], B.1.2 [1]	M	O	M	O		
GN_RM 6.3	LRJ	7.7 [3], 7.10.3 [3], B.1.2 [1]	M	O	M	O		
GN_RM 7	Non Standard messages	7.7 [3], 7.16 [3], B.1.2 [1]	O	O	N/A	N/A		
GN_RM 8	Message not Understood	7.7 [3], 7.17 [3], B.1.2 [1]	M	M	N/A	N/A		
GN_RM 9	Gateway Resource Availability messages	7.7 [3], 7.18 [3], B.1.2 [1]	N/A	M	N/A	N/A		
GN_RM 10	Ras timers and Request in Progress	7.7 [3], 7.19 [3], B.1.2 [1]	O	M	N/A	N/A		
Comments:								
NOTE: TIPHON compliant Gatekeepers shall issue the pregrantedArq indication in the Registration Confirm message.								

A.10.2.2 Parameters for Gatekeeper Request

Table A.28: Parameters for Gatekeeper Request

Item	Parameters for GRQ	Reference	H.323 Status	R1 Status	Support
GN_GRQ 1	requestSeqNum	7.8.1 [3], B.1.2.1.1 [1]	M	M	
GN_GRQ 2	ProtocolIdentifier	7.8.1 [3], B.1.2.1.1 [1]	M	M	
GN_GRQ 3	rasAddress	7.8.1 [3], B.1.2.1.1 [1]	M	M	
GN_GRQ 4	nonStandardData	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 5	endpointType	7.8.1 [3], B.1.2.1.1 [1]	M	M (see note)	
GN_GRQ 6	gatekeeperIdentifier	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 7	callServices	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 8	endpointAlias	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 9	alternateEndpoints	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 10	authenticationMode	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 11	tokens	7.8.1 [3], B.1.2.1.1 [1]	O	O	
GN_GRQ 12	cryptoTokens	7.8.1 [3], B.1.2.1.1 [1]	O	O	
GN_GRQ 13	algorithmOID	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 14	integrity	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 15	integrityCheckValue	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 16	supportsAltGK	B.1.2.1.1 [1]	C.28.1		
GN_GRQ 17	featureSet	B.1.2.1.1 [1]	C.28.1		
GN_GRQ 18	genericData	B.1.2.1.1 [1]	C.28.1		
Comments:					
NOTE: endpointType shall be set to terminal.					

C.28.1: IF A.2/VE_3 THEN O ELSE X

A.10.2.3 Parameters for Gatekeeper Confirm

Table A.29: Parameters for Gatekeeper Confirm

Item	Parameters for GCF	Reference	H.323 Status	R1 Status	Support
GN_GCF 1	requestSeqNum	7.8.2 [3], B.1.2.1.2 [1]	M	M	
GN_GCF 2	protocolIdentifier	7.8.2 [3], B.1.2.1.2 [1]	M	M	
GN_GCF 3	rasAddress	7.8.2 [3], B.1.2.1.2 [1]	M	M	
GN_GCF 4	nonStandardData	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 5	gatekeeperIdentifier	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 6	alternateGatekeeper	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 7	authenticationMode	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 8	tokens	7.8.2 [3], B.1.2.1.2 [1]	O	O	
GN_GCF 9	cryptoTokens	7.8.2 [3], B.1.2.1.2 [1]	O	O	
GN_GCF 10	algorithmOID	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 11	integrity	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 12	integrityCheckValue	7.8.2 [3], B.1.2.1.2 [1]	O		
GN_GCF 13	featureSet	B.1.2.1.2 [1]	C.29.1		
GN_GCF 14	genericData	B.1.2.1.2 [1]	C.29.1		
Comments:					

C.29.1: IF A.2/VE_3 THEN O ELSE X

A.10.2.4 Parameters for Gatekeeper Reject

Table A.30: Parameters for Gatekeeper Reject

Item	Parameters for GRJ	Reference	H.323 Status	R1 Status	Support
GN_GRJ 1	requestSeqNum	7.8.3 [3], B.1.2.1.3 [1]	M	M	
GN_GRJ 2	protocolIdentifier	7.8.3 [3], B.1.2.1.3 [1]	M	M	
GN_GRJ 3	rejectReason	7.8.3 [3], B.1.2.1.3 [1]	M	M	
GN_GRJ 4	nonStandardData	7.8.3 [3], B.1.2.1.3 [1]	O		
GN_GRJ 5	gatekeeperIdentifier	7.8.3 [3], B.1.2.1.3 [1]	O		
GN_GRJ 6	altGKInfo	7.8.3 [3], B.1.2.1.3 [1]	O		
GN_GRJ 7	tokens	7.8.3 [3], B.1.2.1.3 [1]	O	O	
GN_GRJ 8	cryptoTokens	7.8.3 [3], B.1.2.1.3 [1]	O	O	
GN_GRJ 9	integrityCheckValue	7.8.3 [3], B.1.2.1.3 [1]	O		
GN_GRJ 10	featureSet	B.1.2.1.3 [1]	C.30.1		
GN_GRJ 11	genericData	B.1.2.1.3 [1]	C.30.1		
Comments:					

C.30.1: IF A.2/VE_3 THEN O ELSE X

A.10.2.5 Parameters for Registration Request

Table A.31: Parameters for Registration Request

Item	Parameters for RRQ	Reference	H.323 Status	R1 Status	Support
GN_RRQ 1	requestSeqNum	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 2	ProtocolIdentifier	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 3	discoveryComplete	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 4	callSignalAddress	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 5	rasAddress	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 6	terminalType	7.9.1 [3], B.1.2.2.1 [1]	M	M (see note 1)	
GN_RRQ 7	endpointVendor	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 8	keepAlive	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GN_RRQ 9	willSupplyUUIEs	7.9.1 [3], B.1.2.2.1 [1]	M	M (see note 2)	
GN_RRQ 10	nonStandardData	7.9.1 [3], B.1.2.2.1 [1]	O		
GN_RRQ 11	terminalAlias	7.9.1 [3], B.1.2.2.1 [1]	O	M	
GN_RRQ 12	gatekeeperIdentifier	7.9.1 [3], B.1.2.2.1 [1]	O		
GN_RRQ 13	alternateEndpoints	7.9.1 [3], B.1.2.2.1 [1]	O		
GN_RRQ 14	timeToLive	7.9.1 [3], B.1.2.2.1 [1]	O	M	
GN_RRQ 15	tokens	7.9.1 [3], B.1.2.2.1 [1]	O	O	
GN_RRQ 16	cryptoTokens	7.9.1 [3], B.1.2.2.1 [1]	O	O	
GN_RRQ 17	integrityCheckValue	7.9.1 [3], B.1.2.2.1 [1]	O		
GN_RRQ 18	endpointIdentifier	7.9.1 [3], B.1.2.2.1 [1]	O	O	
GN_RRQ 19	maintainConnection	7.9.1 [3], B.1.2.2.1 [1]	C.31.1	C.31.1 (see note 2)	
GN_RRQ 20	supportAnnexECallSignalling	7.9.1 [3], B.1.2.2.1 [1]	C.31.1	C.31.1 (see note 2)	
GN_RRQ 21	alternateTransportAddresses	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 22	additiveRegistration	B.1.2.2.1 [1]	C.31.3	N/A	
GN_RRQ 23	terminalAliasPattern	B.1.2.2.1 [1]	C.31.3	N/A	
GN_RRQ 24	supportsAltGK	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 25	usageReportingCapability	B.1.2.2.1 [1]	C.31.3	N/A	
GN_RRQ 26	multipleCalls	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 27	SupportedH248Packages	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 28	callCreditCapability	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 29	capacityReportingCapability	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 30	capacity	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 31	featureSet	B.1.2.2.1 [1]	C.31.3		
GN_RRQ 32	genericData	B.1.2.2.1 [1]	C.31.3		
Comments:					
NOTE 1: According to TIPHON profile, this field shall be set to Terminal value. NOTE 2: According to TIPHON profile, this field shall be set to FALSE value.					

C.31.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.31.2: IF A.2/VE_2 THEN M ELSE X
C.31.3: IF A.2/VE_3 THEN O ELSE X

A.10.2.6 Parameters for Registration Confirm

Table A.32: Parameters for Registration Confirm

Item	Parameters for RCF	Reference	H.323 Status	R1 Status	Support
GN_RCF 1	requestSeqNum	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GN_RCF 2	protocolIdentifier	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GN_RCF 3	callSignalAddress	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GN_RCF 4	nonStandardData	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 5	terminalAlias	7.9.2 [3], B.1.2.2.2 [1]	O	M	
GN_RCF 6	gatekeeperIdentifier	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 7	endpointIdentifier	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GN_RCF 8	alternateGatekeeper	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 9	timeToLive	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 10	tokens	7.9.2 [3], B.1.2.2.2 [1]	O	O	
GN_RCF 11	cryptoTokens	7.9.2 [3], B.1.2.2.2 [1]	O	O	
GN_RCF 12	integrityCheckValue	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 13	willRespondToIRR	7.9.2 [3], B.1.2.2.2 [1]	M	M (see note 1)	
GN_RCF 14	prGrantedARQ	7.9.2 [3], B.1.2.2.2 [1]	O	M (see note 2)	
GN_RCF 15	irrFrequencyInCall	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 16	otalBandwdthRestriction	7.9.2 [3], B.1.2.2.2 [1]	O		
GN_RCF 17	useAnnexECallSignalling	7.9.2 [3], B.1.2.2.2 [1]	M	M (see note 1)	
GN_RCF 18	maintainConnection	7.9.2 [3], B.1.2.2.2 [1]	C.32.1	C.32.1	
GN_RCF 19	serviceControl	B.1.2.2.2 [1]	C.32.2		
GN_RCF 20	supportAdditiveRegistration	B.1.2.2.2 [1]	C.32.2	N/A	
GN_RCF 21	terminalAliasPattern	B.1.2.2.2 [1]	C.32.2	N/A	
GN_RCF 22	supportedPrefixes	B.1.2.2.2 [1]	C.32.2	N/A	
GN_RCF 23	usageSpec	B.1.2.2.2 [1]	C.32.2	N/A	
GN_RCF 24	featureServerAlias	B.1.2.2.2 [1]	C.32.2		
GN_RCF 25	capacityReportingSpec	B.1.2.2.2 [1]	C.32.2		
GN_RCF 26	featureSet	B.1.2.2.2 [1]	C.32.2		
GN_RCF 27	genericData	B.1.2.2.2 [1]	C.32.2		
Comments:					

NOTE 1: willRespondToIRR shall be set to FALSE.
NOTE 2: The **makeCall** parameter shall be set to **TRUE**. The **useGKCallSignalAddressToMakeCall** parameter shall be set to **TRUE**. The **answerCall** parameter shall be set to **TRUE**. The **seGKCallSignalAddressToAnswer** parameter shall be set to **TRUE**.

C.32.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.32.2: IF A.2/VE_3 THEN O ELSE X

A.10.2.7 Parameters for Registration Reject

Table A.33: Parameters for Registration Reject

Item	Parameters for RRJ	Reference	H.323 Status	R1 Status	Support
GN_RRJ 1	requestSeqNum	7.9.3 [3], B.1.2.2.3 [1]	M	M	
GN_RRJ 2	protocolIdentifier	7.9.3 [3], B.1.2.2.3 [1]	M	M	
GN_RRJ 3	rejectReason	7.9.3 [3], B.1.2.2.3 [1]	M	M	
GN_RRJ 4	nonStandardData	7.9.3 [3], B.1.2.2.3 [1]	O		
GN_RRJ 5	gatekeeperIdentifier	7.9.3 [3], B.1.2.2.3 [1]	O		
GN_RRJ 6	altGKInfo	7.9.3 [3], B.1.2.2.3 [1]	O		
GN_RRJ 7	tokens	7.9.3 [3], B.1.2.2.3 [1]	O	O	
GN_RRJ 8	cryptoTokens	7.9.3 [3], B.1.2.2.3 [1]	O	O	
GN_RRJ 9	integrityCheckValue	7.9.3 [3], B.1.2.2.3 [1]	O		
GN_RRJ 10	featureSet	B.1.2.2.1 [1]	C.33.1		
GN_RRJ 11	genericData	B.1.2.2.1 [1]	C.33.1		
Comments:					

C.33.1: IF A.2/VE_3 THEN O ELSE X

A.10.2.8 Parameters for Unregistration Request

Table A.34: Parameters for Unregistration Request

Item	Parameters for URQ	Reference	H.323 Status	R1 Status	Support
GN_URQ 1	requestSeqNum	7.10.1 [3], B.1.2.3 [1]	M	M	
GN_URQ 2	callSignalAddress	7.10.1 [3], B.1.2.3 [1]	C.34.1	C.34.1	
GN_URQ 3	endpoinAlias	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 4	nonStandardData	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 5	endpointIdentifier	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 6	alternateEndpoints	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 7	gatekeeperIdentifier	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 8	tokens	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 9	cryptoTokens	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 10	integrityCheckValue	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 11	reason	7.10.1 [3], B.1.2.3 [1]	O		
GN_URQ 12	endpointAliasPattern	7.10.1 [3], B.1.2.3 [1]	C.34.2		
GN_URQ 13	supportedPrefixes	7.10.1 [3], B.1.2.3 [1]	C.34.2		
GN_URQ 14	alternateGatekeeper	B.1.2.3 [1]	C.34.2		
GN_URQ 15	genericData	7.10.1 [3], B.1.2.3 [1]	C.34.2		
Comments:					

C.34.1: IF A.2/VE_2 THEN X ELSE M
C.34.2: IF A.2/VE_3 THEN O ELSE X

A.10.2.9 Parameters for Unregistration Confirm

Table A.35: Parameters for Unregistration Confirm

Item	Parameters for UCF	Reference	H.323 Status	R1 Status	Support
GN_UCF 1	requestSeqNum	7.10.2 [3], B.1.2.3 [1]	M	M	
GN_UCF 2	nonStandardData	7.10.2 [3], B.1.2.3 [1]	O		
GN_UCF 3	tokens	7.10.2 [3], B.1.2.3 [1]	O		
GN_UCF 4	cryptoTokens	7.10.2 [3], B.1.2.3 [1]	O		
GN_UCF 5	integrityCheckValue	7.10.2 [3], B.1.2.3 [1]	O		
GN_UCF 6	genericData	B.1.2.3 [1]	C.35.1		
Comments:					

C.35.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X

A.10.2.10 Parameters for Unregistration Reject

Table A.36: Parameters for Unregistration Reject

Item	Parameters for URJ	Reference	H.323 Status	R1 Status	Support
GN_RRJ 1	requestSeqNum	7.10.3 [3], B.1.2.3 [1]	M	M	
GN_URJ 2	rejectReason	7.10.3 [3], B.1.2.3 [1]	M	M	
GN_URJ 3	nonStandardData	7.10.3 [3], B.1.2.3 [1]	O		
GN_URJ 4	altGKInfo	7.10.3 [3], B.1.2.3 [1]	O		
GN_URJ 5	tokens	7.10.3 [3], B.1.2.3 [1]	O		
GN_URJ 6	cryptoTokens	7.10.3 [3], B.1.2.3 [1]	O		
GN_URJ 7	integrityCheckValue	7.10.3 [3], B.1.2.3 [1]	O		
GN_URJ 8	genericData	B.1.2.3 [1]	C.36.1		
Comments:					

C.36.1: IF A.2/VE_3 THEN O ELSE X

A.10.2.11 Parameters for Location Request

Prerequisite: A.27/GI_RM6 item -- Location messages

Table A.37: Parameters for Location Request

Item	Parameters for LRQ	Reference	H.323 Status	S3 Status	Support
GN_LRQ 1	requestSeqNum	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GN_LRQ 2	destinationInfo	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GN_LRQ 3	replyAddress	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GN_LRQ 4	canMapAlias	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GN_LRQ 5	EndpointIdentifier	7.13.1 [3], B.1.2.4.1 [1]	O	O	
GN_LRQ 6	nonStandardData	7.13.1 [3], B.1.2.4.1 [1]	O		
GN_LRQ 7	SourceInfo	7.13.1 [3], B.1.2.4.1 [1]	O		
GN_LRQ 8	gatekeeperIdentifier	7.13.1 [3], B.1.2.4.1 [1]	O		
GN_LRQ 9	tokens	7.13.1 [3], B.1.2.4.1 [1]	O	O	
GN_LRQ 10	cryptoTokens	7.13.1 [3], B.1.2.4.1 [1]	O	O	
GN_LRQ 11	integrityCheckValue	7.13.1 [3], B.1.2.4.1 [1]	O		
GN_LRQ 12	DesiredProtocols	B.1.2.4.1 [1]	C.37.1		
GN_LRQ 13	DesiredTunneledProtocol	B.1.2.4.1 [1]	C.37.1		
GN_LRQ 14	featureSet	B.1.2.4.1 [1]	C.37.1		
GN_LRQ 15	genericData	B.1.2.4.1 [1]	C.37.1		
GN_LRQ 16	hopCount	B.1.2.4.1 [1]	C.37.1		
GN_LRQ 17	circuitInfo	B.1.2.4.1 [1]	C.37.1		
Comments:					

C.37.1: IF A.2/VE_3 THEN O ELSE X

A.10.2.12 Parameters for Location Confirm

Prerequisite: A.27/GI_RM6 item -- Location messages

Table A38: Parameters for Location Confirm

Item	Parameters for LCF	Reference	H.323 Status	S3 Status	Support
GN_LCF 1	requestSeqNum	7.13.2 [3], B.1.2.4.2 [1]	M	M	
GN_LCF 2	callSignalAddress	7.13.2 [3], B.1.2.4.2 [1]	M	M	
GN_LCF 3	rasAddress	7.13.2 [3], B.1.2.4.2 [1]	M	M	
GN_LCF 4	nonStandardData	7.13.2 [3], B.1.2.4.2 [1]	O		
GN_LCF 5	destinationInfo	7.13.2 [3], B.1.2.4.2 [1]	O	O	
GN_LCF 6	destExtraCallInfo	7.13.2 [3], B.1.2.4.2 [1]	O	N/A	
GN_LCF 7	destinationType	7.13.2 [3], B.1.2.4.2 [1]	O		
GN_LCF 8	remoteExtensionAddress	7.13.2 [3], B.1.2.4.2 [1]	O		
GN_LCF 9	alternateEndpoints	7.13.2 [3], B.1.2.4.2 [1]	O		
GN_LCF 10	tokens	7.13.2 [3], B.1.2.4.2 [1]	O	O	
GN_LCF 11	cryptoTokens	7.13.2 [3], B.1.2.4.2 [1]	O	O	
GN_LCF 12	integrityCheckValue	7.13.2 [3], B.1.2.4.2 [1]	O		
GN_LCF 13	supportedAnnexECallSignalling	7.13.2 [3], B.1.2.4.2 [1]	C38.1	C38.1	
GN_LCF 14	alternatTransportAddresses	B.1.2.4.2 [1]	C38.2		
GN_LCF 15	supportedProtocols	B.1.2.4.2 [1]	C38.2		
GN_LCF 16	multipleCalls	B.1.2.4.2 [1]	C38.2		
GN_LCF 17	featureSet	B.1.2.4.2 [1]	C38.2		
GN_LCF 18	genericData	B.1.2.4.2 [1]	C38.2		
GN_LCF 19	circuitInfo	B.1.2.4.2 [1]	C38.2		
GN_LCF 20	serviceControl	B.1.2.4.2 [1]	C38.2		
Comments:					

C38.1: IF A.2/VE_2 THEN M ELSE X
C38.2: IF A.2/VE_3 THEN O ELSE X

A.10.2.13 Parameters for Location Reject

Prerequisite: A.27/GI_RM6 item -- Location messages

Table A.39: Parameters for Location Reject

Item	Parameters for LRJ	Reference	H.323 Status	S3 Status	Support
GN_LRJ 1	requestSeqNum	7.13.3 [3], B.1.2.4.3 [1]	M	M	
GN_LRJ 2	rejectReason	7.13.3 [3], B.1.2.4.3 [1]	M	M	
GN_LRJ 3	nonStandardData	7.13.3 [3], B.1.2.4.3 [1]	O		
GN_LRJ 4	altGKInfo	7.13.3 [3], B.1.2.4.3 [1]	O		
GN_LRJ 5	tokens	7.13.3 [3], B.1.2.4.3 [1]	O	O	
GN_LRJ 6	cryptoTokens	7.13.3 [3], B.1.2.4.3 [1]	O	O	
GN_LRJ 7	integrityCheckValue	7.13.3 [3], B.1.2.4.3 [1]	O		
GN_LRJ 8	featureSet	B.1.2.4.3 [1]	C.39.1		
GN_LRJ 9	genericData	B.1.2.4.3 [1]	C.39.1		
GN_LRJ 10	serviceControl	B.1.2.4.3 [1]	C.39.1		
Comments:					

C.39.1: IF A.2/VE_3 THEN O ELSE X

A.10.3 BCC Messages and Parameters

A.10.3.1 BCC Messages

Table A.40: BCC Messages

Item	BCC Message	Reference	H.323 Status	C1 Status	Support
GN_BM 1	Alerting	7.3.1 [3], B.1.3 [1]	M	M	
GN_BM 2	Call Proceeding	7.3.2 [3], B.1.3 [1]	M	M	
GN_BM 3	Connect	7.3.3 [3], B.1.3 [1]	M	M	
GN_BM 4	Information	7.3.6 [3], B.1.3 [1]	M	M	
GN_BM 5	Progress	7.3.7 [3], B.1.3 [1]	M	M	
GN_BM 6	Release Complete	7.3.9 [3], B.1.3 [1]	M	M	
GN_BM 7	Setup	7.3.10 [3], B.1.3 [1]	M	M	
GN_BM 8	Setup Ack	7.3.11 [3], B.1.3 [1]	M	M	
GN_BM 9	Facility	7.4.1 [3], B.1.3 [1]	M	M	
Comments:					
NOTE: Gatekeeper, according to H.323, shall forward all Q.931 messages.					

A.10.3.2 Parameters for Alerting

Table A.41: Parameters for Alerting

Item	Parameters for Alerting	Reference	H.323 Status	C1 Status	Support
GN_AL 1	Protocol discriminator	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 2	Call reference	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 3	Message type	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 4	User-to-User	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 5	Bearer capability	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 6	Extended Facility	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 7	Facility	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 8	Progress indicator	7.3.1 [3], B.1.3.1 [1]	O	O	
GN_AL 9	Notification indicator	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 10	Display	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 11	Signal	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 12	protocolIdentifier	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 13	destinationInfo	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 14	callIdentifier	7.3.1 [3], B.1.3.1 [1]	M	M	
GN_AL 15	h245Address	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 16	h245SecurityMode	7.3.1 [3], B.1.3.1 [1]	O		
GN_AL 17	tokens	7.3.1 [3], B.1.3.1 [1]	O	O	
GN_AL 18	cryptoTokens	7.3.1 [3], B.1.3.1 [1]	O	O	
GN_AL 19	fastStart	7.3.1 [3], B.1.3.1 [1]	O	O	
GN_AL 20	multipleCalls	7.3.1 [3], B.1.3.1 [1]	C.41.2	C.41.1	
GN_AL 21	maintainConnection	7.3.1 [3], B.1.3.1 [1]	C.41.1	C.41.1	
GN_AL 22	alertingAddress	7.3.1 [3], B.1.3.1 [1]	C.41.1	C.41.1	
GN_AL 23	presentationIndicator	7.3.1 [3], B.1.3.1 [1]	C.41.2	C.41.1	
GN_AL 24	screeningIndicator	7.3.1 [3], B.1.3.1 [1]	C.41.1	C.41.1	
GN_AL 25	fastConnectRefused	B.1.3.1 [1]	C.41.3		
GN_AL 26	serviceControl	B.1.3.1 [1]	C.41.3		
GN_AL 27	capacity	B.1.3.1 [1]	C.41.3		
GN_AL 28	featureSet	B.1.3.1 [1]	C.41.3		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.41.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.41.2: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.41.3: IF A.2/VE_3 THEN O ELSE X

A.10.3.3 Parameters for Call Proceeding

Table A.42: Parameters for Call Proceeding

Item	Parameters for Call Proceeding	Reference	H.323 Status	C1 Status	Support
GN_CP 1	Protocol discriminator	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 2	Call reference	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 3	Message type	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 4	User-to-User	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 5	Bearer capability	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 6	Extended Facility	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 7	Facility	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 8	Progress indicator	7.3.2 [3], B.1.3. 2 [1]	O	O	
GN_CP 9	Notification indicator	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 10	Display	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 11	protocolIdentifier	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 12	destinationInfo	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 13	callIdentifier	7.3.2 [3], B.1.3. 2 [1]	M	M	
GN_CP 14	h245Address	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 15	h245SecurityMode	7.3.2 [3], B.1.3. 2 [1]	O		
GN_CP 16	tokens	7.3.2 [3], B.1.3. 2 [1]	O	O	
GN_CP 17	cryptoTokens	7.3.2 [3], B.1.3. 2 [1]	O	O	
GN_CP 18	fastStart	7.3.2 [3], B.1.3. 2 [1]	O	O	
GN_CP 19	multipleCalls	7.3.2 [3], B.1.3. 2 [1]	C.42.1	C.42.1 (see note)	
GN_CP 20	maintainConnection	7.3.2 [3], B.1.3. 2 [1]	C.42.1	C.42.1 (see note)	
GN_CP 21	fastConnecRefused	B.1.3.1.2 [1]	C.42.2	C.42.2	
GN_CP 22	featureSet	B.1.3.1.2 [1]	C.42.2	C.42.2	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.42.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.42.2: IF A.2/VE_3 THEN O ELSE X

A.10.3.4 Parameters for Connect

Table A.43: Parameters for Connect

Item	Parameters for Connect	Reference	H.323 Status	C1 Status	Support
GN_CO 1	Protocol discriminator	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 2	Call reference	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 3	Message type	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 4	User-to-User	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 5	Bearer capability	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 6	Extended Facility	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 7	Facility	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 8	Progress indicator	7.3.3 [3] B.1.3. 3 [1]	O	O	
GN_CO 9	Notification indicator	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 10	Display	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 11	Date/Time	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 12	Connected Number	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 13	Connected Subaddress	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 14	protocolIdentifier	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 15	destinationInfo	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 16	conferenceID	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 17	callIdentifier	7.3.3 [3] B.1.3. 3 [1]	M	M	
GN_CO 18	h245Address	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 19	h245SecurityMode	7.3.3 [3] B.1.3. 3 [1]	O		
GN_CO 20	tokens	7.3.3 [3] B.1.3. 3 [1]	O	O	
GN_CO 21	cryptoTokens	7.3.3 [3] B.1.3. 3 [1]	O	O	
GN_CO 22	fastStart	7.3.3 [3] B.1.3. 3 [1]	O	O	
GN_CO 23	multipleCalls	7.3.3 [3] B.1.3. 3 [1]	C.43.1	C.43.1 (see note)	
GN_CO 24	maintainConnection	7.3.3 [3] B.1.3. 3 [1]	C.43.1	C.43.1 (see note)	
GN_CO 25	language	7.3.3 [3] B.1.3. 3 [1]	C.43.2		
GN_CO 26	ConnectedAddress	7.3.3 [3] B.1.3. 3 [1]	C.43.2		
GN_CO 27	presentationIndicator	7.3.3 [3] B.1.3. 3 [1]	C.43.3	C.43.3	
GN_CO 28	screeningIndicator	7.3.3 [3] B.1.3. 3 [1]	C.43.3	C.43.3	
GN_CO 29	fastConnectRefused	B.1.3.1.3 [1]	C.43.4	C.43.4	
GN_CO 30	serviceControl	B.1.3.1.3 [1]	C.43.4	C.43.4	
GN_CO 31	capacity	B.1.3.1.3 [1]	C.43.4	C.43.4	
GN_CO 32	featureSet	B.1.3.1.3 [1]	C.43.4	C.43.4	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.43.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.43.2: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.43.3: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.43.4: IF A.2/VE_3 THEN O ELSE X

A.10.3.5 Parameters for Information

Table A.44: Parameters for Information

Item	Parameters for Information	Reference	H.323 Status	C1 Status	Support
GN_IN 1	Protocol discriminator	7.3.6 [3], B.1.3.5 [1]	M	M	
GN_IN 2	Call reference	7.3.6 [3], B.1.3.5 [1]	M	M	
GN_IN 3	Message type	7.3.6 [3], B.1.3.5 [1]	M	M	
GN_IN 4	User-to-User	7.3.6 [3], B.1.3.5 [1]	M	M	
GN_IN 5	Sending complete	7.3.6 [3], B.1.3.5 [1]	O	O.44.1	
GN_IN 6	Display	7.3.6 [3], B.1.3.5 [1]	O		
GN_IN 7	Keypad Facility	7.3.6 [3], B.1.3.5 [1]	O		
GN_IN 8	Signal	7.3.6 [3], B.1.3.5 [1]	O		
GN_IN 9	Called party number	7.3.6 [3], B.1.3.5 [1]	O	O.44.1	
GN_IN 10	protocolIdentifier	7.3.6 [3], B.1.3.5 [1]	M	M	
GN_IN 11	callIdentifier	7.3.6 [3], B.1.3.5 [1]	M	M	
GN_IN 12	tokens	7.3.6 [3], B.1.3.5 [1]	C.44.1	C.44.1	
GN_IN 13	cryptoTokens	7.3.6 [3], B.1.3.5 [1]	C.44.1	C.44.1	
GN_IN 14	fastStart	7.3.6 [3], B.1.3.5 [1]	C.44.1	N/A	
GN_IN 15	fastConnectRefused	B.1.3.5 [1]	C.44.2		
GN_IN 16	circuitInfo	B.1.3.5 [1]	C.44.2		
Comments:					

O.44.1: It is mandatory to support at least one of the items
C.44.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.44.2: IF A.2/VE_3 THEN O ELSE X

A.10.3.6 Parameters for Progress

Table A.45: Parameters for Progress

Item	Parameters for Progress	Reference	H.323 Status	C1 Status	Support
GN_PG 1	Protocol discriminator	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 2	Call reference	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 3	Message type	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 4	Progress indicator	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 5	User-to-User	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 6	Bearer capability	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 7	Cause	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 8	Display	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 9	Extended Facility	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 10	Facility	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 11	Notification indicator	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 12	protocolIdentifier	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 13	destinationInfo	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 14	callIdentifier	7.3.7 [3], B.1.3.6 [1]	M	M	
GN_PG 15	h245Address	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 16	h245SecurityMode	7.3.7 [3], B.1.3.6 [1]	O		
GN_PG 17	tokens	7.3.7 [3], B.1.3.6 [1]	O	O	
GN_PG 18	cryptoTokens	7.3.7 [3], B.1.3.6 [1]	O	O	
GN_PG 19	fastStart	7.3.7 [3], B.1.3.6 [1]	O	O	
GN_PG 20	multipleCalls	7.3.7 [3], B.1.3.6 [1]	C.45.1	C.45.1 (see note)	
GN_PG 21	maintainConnection	7.3.7 [3], B.1.3.6 [1]	C.45.1	C.45.1 (see note)	
GN_PG 22	fastConnectRefused	B.1.3.1.4 [1]	C.45.2	C.45.2	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.45.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.45.2: IF A.2/VE_3 THEN O ELSE X

A.10.3.7 Parameters for Release Complete

Table A.46: Parameters for Release Complete

Item	Parameters for Release Complete	Reference	H.323 Status	C1 Status	Support
GN_RC 1	Protocol discriminator	7.3.9 [3] B.1.3.7 [1]	M	M	
GN_RC 2	Call reference	7.3.9 [3] B.1.3.7 [1]	M	M	
GN_RC 3	Message type	7.3.9 [3] B.1.3.7 [1]	M	M	
GN_RC 4	User-to-User	7.3.9 [3] B.1.3.7 [1]	M	M	
GN_RC 5	cause	7.3.9 [3] B.1.3.7 [1]	O.46.1	O.46.1	
GN_RC 6	Facility	7.3.9 [3] B.1.3.7 [1]	O		
GN_RC 7	Notification indicator	7.3.9 [3] B.1.3.7 [1]	O		
GN_RC 8	Display	7.3.9 [3] B.1.3.7 [1]	O		
GN_RC 9	signal	7.3.9 [3] B.1.3.7 [1]	O		
GN_RC 10	protocolIdentifier	7.3.9 [3] B.1.3.7 [1]	M	M	
GN_RC 11	reason	7.3.9 [3] B.1.3.7 [1]	O.46.1	O.46.1	
GN_RC 12	callIdentifier	7.3.9 [3] B.1.3.7 [1]	M	M	
GN_RC 13	tokens	7.3.9 [3] B.1.3.7 [1]	O	O	
GN_RC 14	cryptoTokens	7.3.9 [3] B.1.3.7 [1]	O	O	
GN_RC 15	busyAddress	7.3.9 [3] B.1.3.7 [1]	C.46.1		
GN_RC 16	presentationIndicator	7.3.9 [3] B.1.3.7 [1]	C.46.2	C.46.2	
GN_RC 17	screeningIndicator	7.3.9 [3] B.1.3.7 [1]	C.46.2	C.46.2	
GN_RC 18	capacity	B.1.3.2.1 [1]	C.46.3		
GN_RC 19	serviceControl	B.1.3.2.1 [1]	C.46.3		
GN_RC 20	featureSet	B.1.3.2.1 [1]	C.46.3		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

O.46.1: Only one of these field shall be present
C.46.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.46.2: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.46.3: IF A.2/VE_3 THEN O ELSE X

A.10.3.8 Parameters for Setup

Table A.47: Parameters for Setup

Item	Parameters for Setup	Reference	H.323 Status	C1 Status	Support
GN_SU 1	Protocol discriminator	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 2	Call reference	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 3	Message type	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 4	Bearer capability	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 5	User-to-User	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 6	sendingcomplete	7.3.10 [3], B.1.3.8 [1]	O	O	
GN_SU 7	Extended Facility	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 8	Facility	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 9	Notification indicator	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 10	Display	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 11	signal	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 12	keypadFacility	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 13	Calling party number	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 14	Calling party subaddress	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 15	called party number	7.3.10 [3], B.1.3.8 [1]	O	O.47.2	
GN_SU 16	Called party subaddress	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 17	protocolIdentifier	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 18	sourceInfo	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 19	activeMC	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 20	confrenceID	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 21	confrenceGoal	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 22	callType	7.3.10 [3], B.1.3.8 [1]	M	M (see note)	
GN_SU 23	callIdentifier	7.3.10 [3], B.1.3.8 [1]	M	M	
GN_SU 24	h245Address	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 25	sourceAddress	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 26	destinationAddress	7.3.10 [3], B.1.3.8 [1]	O	O.47.2	
GN_SU 27	destCallSignalAddress	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 28	DestExtraCallInfo	7.3.10 [3], B.1.3.8 [1]	O	N/A	
GN_SU 29	DestExtraCRV	7.3.10 [3], B.1.3.8 [1]	O	N/A	
GN_SU 30	callServices	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 31	SourceCallSignalAddress	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 32	remoteExtensionAddress	7.3.10 [3], B.1.3.8 [1]	O	N/A	
GN_SU 33	h245SecurityCapability	7.3.10 [3], B.1.3.8 [1]	O		
GN_SU 34	tokens	7.3.10 [3], B.1.3.8 [1]	O	O	
GN_SU 35	cryptoTokens	7.3.10 [3], B.1.3.8 [1]	O	O	
GN_SU 36	fastStart	7.3.10 [3], B.1.3.8 [1]	O	M	
GN_SU 37	mediaWaitForConnect	7.3.10 [3], B.1.3.8 [1]	M	M (see note)	
GN_SU 38	canOverlapSend	7.3.10 [3], B.1.3.8 [1]	M	M (see note)	
GN_SU 39	endpointIdentifier	7.3.10 [3], B.1.3.8 [1]	O	M	
GN_SU 40	multipleCalls	7.3.10 [3], B.1.3.8 [1]	C.47.1	C.47.1 (see note)	
GN_SU 41	maintainConnection	7.3.10 [3], B.1.3.8 [1]	C.47.1	C.47.1 (see note)	
GN_SU 42	connectionParameters	7.3.10 [3], B.1.3.8 [1]	C.47.2		
GN_SU 43	language	7.3.10 [3], B.1.3.8 [1]	C.47.2		
GN_SU 44	presentationIndicator	7.3.10 [3], B.1.3.8 [1]	C.47.3	C.47.1	
GN_SU 45	screeningIndicator	7.3.10 [3], B.1.3.8 [1]	C.47.3	C.47.1	
GN_SU 46	serviceControl	B.1.3.1.8 [1]	C.47.4		
GN_SU 47	symmetricOperationRequired	B.1.3.1.8 [1]	C.47.4		
GN_SU 48	capacity	B.1.3.1.8 [1]	C.47.4		
GN_SU 49	circuitInfo	B.1.3.1.8 [1]	C.47.4		
GN_SU 50	desiredProtocols	B.1.3.1.8 [1]	C.47.4		
GN_SU 51	neededFeatures	B.1.3.1.8 [1]	C.47.4		
GN_SU 52	desiredFeatures	B.1.3.1.8 [1]	C.47.4		

Item	Parameters for Setup	Reference	H.323 Status	C1 Status	Support
GN_SU 53	supportedFeatures	B.1.3.1.8 [1]	C.47.4		
GN_SU 54	ParallelH245Control	B.1.3.1.8 [1]	C.47.4		
GN_SU 55	additionalSourceAddresses	B.1.3.1.8 [1]	C.47.4		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

O.47.1: At least one of these field shall be present
O.47.2: At least one of these field shall be present
C.47.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.47.2: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.47.3: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.47.4: IF A.2/VE_3 THEN O ELSE X

A.10.3.9 Parameters for Setup Acknowledge

Table A.48: Parameters for Setup Acknowledge

Item	Parameters for Setup Acknowledge	Reference	H.323 Status	C1 Status	Support
GN_SA 1	Protocol discriminator	7.3.11 [3], B.1.3.9 [1]	M	M	
GN_SA 2	Call reference	7.3.11 [3], B.1.3.9 [1]	M	M	
GN_SA 3	Message type	7.3.11 [3], B.1.3.9 [1]	M	M	
GN_SA 4	Channel Identification	7.3.11 [3], B.1.3.9 [1]	O	N/A	
GN_SA 5	ProgressIndicator	7.3.11 [3], B.1.3.9 [1]	O	N/A	
GN_SA 6	Display	7.3.11 [3], B.1.3.9 [1]	O		
GN_SA 7	Signal	7.3.11 [3], B.1.3.9 [1]	O		
GN_SA 8	protocolIdentifier	B.1.3.9 [1]	C.48.1	C.48.1	
GN_SA 9	callIdentifier	B.1.3.9 [1]	C.48.1	C.48.1	
GN_SA 10	tokens	B.1.3.9 [1]	C.48.2		
GN_SA 11	cryptotoTokenstokens	B.1.3.9 [1]	C.48.2		
Comments:					

C.48.1: IF A.2/VE_3 THEN M ELSE X
C.48.1: IF A.2/VE_3 THEN O ELSE X

A.10.3.10 Parameters for Facility

Table A.49: Parameters for Facility

Item	Parameters for Facility	Reference	H.323 Status	C1 Status	Support
GN_FA 1	Protocol discriminator	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 2	Call reference	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 3	Message type	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 4	Extended facility	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 5	Facility	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 6	User-To-User	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 7	Display	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 8	protocolIdentifier	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 9	reason	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 10	callIdentifier	7.4.1 [3], B.1.3.4 [1]	M	M	
GN_FA 11	alternativeAddress	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 12	alternativeAliasAddress	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 13	conferenceId	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 14	DestExtraCallInfo	7.4.1 [3], B.1.3.4 [1]	O	N/A	
GN_FA 15	remoteExtensionAddress	7.4.1 [3], B.1.3.4 [1]	O	N/A	
GN_FA 16	tokens	7.4.1 [3], B.1.3.4 [1]	O	O	
GN_FA 17	cryptoTokens	7.4.1 [3], B.1.3.4 [1]	O	O	
GN_FA 18	conferences	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 19	h245Address	7.4.1 [3], B.1.3.4 [1]	O		
GN_FA 20	fastStart	7.4.1 [3], B.1.3.4 [1]	O	O	
GN_FA 21	multipleCalls	7.4.1 [3], B.1.3.4 [1]	C.49.1	C.49.1 (see note)	
GN_FA 22	maintainConnection	7.4.1 [3], B.1.3.4 [1]	C.49.1	C.49.1 (see note)	
GN_FA 23	fastConnectRefused	B.1.3.4 [1]	C.49.2		
GN_FA 24	serviceControl	B.1.3.4 [1]	C.49.2		
GN_FA 25	circuitInfo	B.1.3.4 [1]	C.49.2		
GN_FA 26	featureSet	B.1.3.4 [1]	C.49.2		
GN_FA 27	destinationInfo	B.1.3.4 [1]	C.49.2		
GN_FA 28	H245SecurityMode	B.1.3.4 [1]	C.49.2		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.49.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.49.2: IF A.2/VE_3 THEN O ELSE X

A.10.4 RAS Timer

Table A.50: RAS Timer

Item	Parameters for RRJ	Reference	H.323 Status	R1 Status	Support
GN_TI 1	GRQ timer	7.19 [3]	O		
GN_TI2	URQ timer	7.19 [3]	O		
GN_TI3	ARQ timer	7.19 [3]	O	N/A	
GN_TI4	DRQ timer	7.19 [3]	O	N/A	
GN_TI5	LRQ timer	7.19 [3]	O		
Comments:					

A.11 Gatekeeper inter-Domain role

This clause contains the PICS proforma tables related to the Gatekeeper inter-Domain role. It concerns exchange between Gatekeepers at C2 and R2 TIPHON references point. The following tables need to be completed only for Gatekeeper that supports inter-Domain role:

Prerequisite: A.3/TR3 item -- Gatekeeper inter-Domain network role

A.11.1 Subsidiary capabilities

Table A.51: Subsidiary capabilities

Item	Subsidiary capabilities	Reference	H.323 Status	TIPHON Status	Support
GI_SC 1	Security parameter negotiation	B.1.2.1 [1]	O	O	
GI_SC 2	Roaming procedures	4.1.2 [1]	O	M	
GI_SC 3	Pre-granted admission	4.1 [1]	O	N/A	
GI_SC 4	Gatekeeper routed model	5.1.2.1.1 [1]	O	M	
GI_SC 5	En-Bloc Procedure	5.1.3.1.1 [1], 5.1.7.1.1 [1]	O	M	
GI_SC 6	Overlap Sending	5.1.3.1.1 [1], 5.1.7.1 [1]	O	M	
GI_SC 6.1	Timer Q.931 T302	5.1.2.3 [1], 5.1.8.3 [1]	M	M	
GI_SC 7	GateKeeper routing	5.1.3.1.1 [1], 5.1.7.1 [1]]	O	M	
GI_SC 8	Establishment of media channels	5.1.3.1.4 [1], 5.1.7.1.4 [1]	M	M	
GI_SC 8.1	Fast connect procedure	5.1.3.1.4 [1], 5.1.7.1.4 [1]	O	M	
GI_SC 8.2	Encapsulation of H.245 messages within H.225.0 messages	5.1.3.1.4 [1], 5.1.7.1.4 [1]	O	M	
GI_SC 9	In-band Information	5.1.3.1.5 [1], 5.1.7.5 [1]	O	M	
Comments:					

A.11.2 RAS Messages and Parameters

A.11.2.1 RAS Messages

Table A.52: RAS Messages

Item	RAS Message	Reference	H.323 Status		R2/S3 Status		Support	
			Sending	Receiving	Sending	Receiving	Sending	Receiving
GI_RM 1	Discovery messages	7.7 [3], 7.8 [3], B.1.2 [1]	M	M	M	M		
GI_RM 1.1	GRQ	7.7 [3], 7.9.1 [3], B.1.2.1.1 [1]	N/A	M	M	M		
GI_RM 1.2	GCF	7.7 [3], 7.9.2 [3], B.1.2.1.2 [1]	M	N/A	M	M		
GI_RM 1.3	GRJ	7.7 [3], 7.9.2 [3], B.1.2.1.3 1]	M	N/A	M	M		
GI_RM 2	Registration messages	7.7 [3], 7.8 [3], B.1.2 [1]	M	M	M	M		
GI_RM 2.1	RRQ	7.7 [3], 7.9.1 [3], B.1.2 [1]	N/A	M	M	M		
GI_RM 2.2	RCF	7.7 [3], 7.9.2 [3], B.1.2 [1]	M	N/A	M	M		
GI_RM 2.3	RRJ	7.7 [3], 7.9.3 [3], B.1.2 [1]	M	N/A	M	M		
GI_RM 2.4	URQ	7.7 [3], 7.10.1 [3], B.1.2 [1]	O	M		M		
GI_RM 2.5	UCF	7.7 [3], 7.10.2 [3], B.1.2 [1]	M	O	M			
GI_RM 2.6	URJ	7.7 [3], 7.10.3 [3], B.1.2 [1]	M	O	?M			
GI_RM 3	Admission/Disengagement messages	7.7 [3], 7.14 7.11 [3], B.1.2 [1]	N/A	N/A	X (see note)	X (see note)		
GI_RM 4	Bandwith messages	7.7 [3], 7.12 [3], B.1.2 [1]	M	M	N/A	N/A		
GI_RM 5	Status request messages	7.7 [3], 7.15 [3], B.1.2 [1]	O	M	N/A	N/A		
GI_RM 6	Location messages	7.7 [3], 7.13 [3], B.1.2 [1]	O	M	O	M		
GI_RM 6.1	LRQ	7.7 [3], 7.10.1 [3], B.1.2 [1]	O	M	O	M		
GI_RM 6.2	LCF	7.7 [3], 7.10.2 [3], B.1.2 [1]	O	M	O	M		
GI_RM 6.3	LRJ	7.7 [3], 7.10.3 [3], B.1.2 [1]	M	O	M	O		
GI_RM 7	Non Standard messages	7.7 [3], 7.16 [3], B.1.2 [1]	O	O	N/A	N/A		
GI_RM 8	Message not Understood	7.7 [3], 7.17 [3], B.1.2 [1]	M	M	N/A	N/A		
GI_RM 9	Gateway Resource Availability messages	7.7 [3], 7.18 [3], B.1.2 [1]	N/A	M	N/A	N/A		
GI_RM 10	Ras timers and Request in Progress	7.7 [3], 7.19 [3], B.1.2 [1]	O	M	N/A	N/A		
Comments:								
NOTE: TIPHON compliant Gatekeepers shall issue the pregrantedArq indication in the Registration Confirm message.								

A.11.2.2 Parameters for Gatekeeper Request

Table A.53: Parameters for Gatekeeper Request

Item	Parameters for GRQ	Reference	H.323 Status	R2 Status	Support
GI_GRQ 1	requestSeqNum	7.8.1 [3], B.1.2.1.1 [1]	M	M	
GI_GRQ 2	ProtocolIdentifier	7.8.1 [3], B.1.2.1.1 [1]	M	M	
GI_GRQ 3	rasAddress	7.8.1 [3], B.1.2.1.1 [1]	M	M	
GI_GRQ 4	nonStandardData	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 5	endpointType	7.8.1 [3], B.1.2.1.1 [1]	M	M (see note)	
GI_GRQ 6	gatekeeperIdentifier	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 7	callServices	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 8	endpointAlias	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 9	alternateEndpoints	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 10	authenticationMode	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 11	tokens	7.8.1 [3], B.1.2.1.1 [1]	O	O	
GI_GRQ 12	cryptoTokens	7.8.1 [3], B.1.2.1.1 [1]	O	O	
GI_GRQ 13	algorithmOID	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 14	integrity	7.8.1 [3], B.1.2.1.1 [1]	O		
GI_GRQ 15	integrityCheckValue	7.8.1 [3], B.1.2.1.1 [1]	O		
GN_GRQ 16	supportsAltGK	B.1.2.1.1 [1]	C.53.1		
GN_GRQ 17	featureSet	B.1.2.1.1 [1]	C.53.1		
GN_GRQ 18	genericData	B.1.2.1.1 [1]	C.53.1		
Comments:					
NOTE: endpointType shall be set to gatekeeper.					

C.53.1: IF A.2/VE_3 THEN O ELSE X

A.11.2.3 Parameters for Gatekeeper Confirm

Table A.54: Parameters for Gatekeeper Confirm

Item	Parameters for GCF	Reference	H.323 Status	R2 Status	Support
GI_GCF 1	requestSeqNum	7.8.2 [3], B.1.2.1.2 [1]	M	M	
GI_GCF 2	protocolIdentifier	7.8.2 [3], B.1.2.1.2 [1]	M	M	
GI_GCF 3	rasAddress	7.8.2 [3], B.1.2.1.2 [1]	M	M	
GI_GCF 4	nonStandardData	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 5	gatekeeperIdentifier	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 6	alternateGatekeeper	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 7	authenticationMode	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 8	tokens	7.8.2 [3], B.1.2.1.2 [1]	O	O	
GI_GCF 9	cryptoTokens	7.8.2 [3], B.1.2.1.2 [1]	O	O	
GI_GCF 10	algorithmOID	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 11	integrity	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 12	integrityCheckValue	7.8.2 [3], B.1.2.1.2 [1]	O		
GI_GCF 13	featureSet	B.1.2.1.2 [1]	C.54.1		
GI_GCF 14	genericData	B.1.2.1.2 [1]	C.54.1		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to version 3 or later version value.					

C.54.1: IF A.2/VE_3 THEN O ELSE X

A.11.2.4 Parameters for Gatekeeper Reject

Table A.55: Parameters for Gatekeeper Reject

Item	Parameters for GRJ	Reference	H.323 Status	R1 Status	Support
GI_GRJ 1	requestSeqNum	7.8.3 [3], B.1.2.1.3 [1]	M	M	
GI_GRJ 2	protocolIdentifier	7.8.3 [3], B.1.2.1.3 [1]	M	M	
GI_GRJ 3	rejectReason	7.8.3 [3], B.1.2.1.3 [1]	M	M	
GI_GRJ 4	nonStandardData	7.8.3 [3], B.1.2.1.3 [1]	O		
GI_GRJ 5	gatekeeperIdentifier	7.8.3 [3], B.1.2.1.3 [1]	O		
GI_GRJ 6	altGKInfo	7.8.3 [3], B.1.2.1.3 [1]	O		
GI_GRJ 7	tokens	7.8.3 [3], B.1.2.1.3 [1]	O	O	
GI_GRJ 8	cryptoTokens	7.8.3 [3], B.1.2.1.3 [1]	O	O	
GI_GRJ 9	integrityCheckValue	7.8.3 [3], B.1.2.1.3 [1]	O		
GI_GRJ 10	featureSet	B.1.2.1.3 [1]	C.55.1		
GI_GRJ 11	genericData	B.1.2.1.3 [1]	C.55.1		
Comments:					

C.55.1: IF A.2/VE_3 THEN O ELSE X

A.11.2.5 Parameters for Registration Request

Table A.56: Parameters for Registration Request

Item	Parameters for RRQ	Reference	H.323 Status	R2 Status	Support
GI_RRQ 1	requestSeqNum	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 2	ProtocolIdentifier	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 3	discoveryComplete	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 4	callSignalAddress	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 5	rasAddress	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 6	terminalType	7.9.1 [3], B.1.2.2.1 [1]	M	M (see note 1)	
GI_RRQ 7	endpointVendor	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 8	keepAlive	7.9.1 [3], B.1.2.2.1 [1]	M	M	
GI_RRQ 9	willSupplyUUIEs	7.9.1 [3], B.1.2.2.1 [1]	M	M (see note 2)	
GI_RRQ 10	nonStandardData	7.9.1 [3], B.1.2.2.1 [1]	O		
GI_RRQ 11	terminalAlias	7.9.1 [3], B.1.2.2.1 [1]	O	M	
GI_RRQ 12	gatekeeperIdentifier	7.9.1 [3], B.1.2.2.1 [1]	O		
GI_RRQ 13	alternateEndpoints	7.9.1 [3], B.1.2.2.1 [1]	O		
GI_RRQ 14	timeToLive	7.9.1 [3], B.1.2.2.1 [1]	O	N/A	
GI_RRQ 15	tokens	7.9.1 [3], B.1.2.2.1 [1]	O	O	
GI_RRQ 16	cryptoTokens	7.9.1 [3], B.1.2.2.1 [1]	O	O	
GI_RRQ 17	integrityCheckValue	7.9.1 [3], B.1.2.2.1 [1]	O		
GI_RRQ 18	endpointIdentifier	7.9.1 [3], B.1.2.2.1 [1]	O	O	
GI_RRQ 19	maintainConnection	7.9.1 [3], B.1.2.2.1 [1]	C.56.1	C.56.1 (see note 2)	
GI_RRQ 20	supportAnnexECallSignalling	7.9.1 [3], B.1.2.2.1 [1]	C.56.1	C.56.1 (see note 2)	
GI_RRQ 21	alternateTransportAddresses	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 22	additiveRegistration	B.1.2.2.1 [1]	C.56.3	N/A	
GI_RRQ 23	terminalAliasPattern	B.1.2.2.1 [1]	C.56.3	N/A	
GI_RRQ 24	supportsAltGK	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 25	usageReportingCapability	B.1.2.2.1 [1]	C.56.3	N/A	
GI_RRQ 26	multipleCalls	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 27	SupportedH248Packages	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 28	callCreditCapability	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 29	capacityReportingCapability	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 30	capacity	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 31	featureSet	B.1.2.2.1 [1]	C.56.3		
GI_RRQ 32	genericData	B.1.2.2.1 [1]	C.56.3		
Comments:					
NOTE 1: According to TIPHON profile, this field shall be set to Terminal value. NOTE 2: According to TIPHON profile, this field shall be set to FALSE value.					

C.56.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.56.2: IF A.2/VE_2 THEN M ELSE X
C.56.3: IF A.2/VE_3 THEN O ELSE X

A.11.2.6 Parameters for Registration Confirm

Table A.57: Parameters for Registration Confirm

Item	Parameters for RCF	Reference	H.323 Status	R2 Status	Support
GI_RCF 1	requestSeqNum	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GI_RCF 2	protocolIdentifier	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GI_RCF 3	callSignalAddress	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GI_RCF 4	nonStandardData	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 5	terminalAlias	7.9.2 [3], B.1.2.2.2 [1]	O	M	
GI_RCF 6	gatekeeperIdentifier	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 7	endpointIdentifier	7.9.2 [3], B.1.2.2.2 [1]	M	M	
GI_RCF 8	alternateGatekeeper	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 9	timeToLive	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 10	tokens	7.9.2 [3], B.1.2.2.2 [1]	O	O	
GI_RCF 11	cryptoTokens	7.9.2 [3], B.1.2.2.2 [1]	O	O	
GI_RCF 12	integrityCheckValue	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 13	willRespondToIRR	7.9.2 [3], B.1.2.2.2 [1]	M	M (see note 1)	
GI_RCF 14	prGrantedARQ	7.9.2 [3], B.1.2.2.2 [1]	O	N/A	
GI_RCF 15	irrFrequencyInCall	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 16	totalBandwdthRestriction	7.9.2 [3], B.1.2.2.2 [1]	O		
GI_RCF 17	useAnnexECallSignalling	7.9.2 [3], B.1.2.2.2 [1]	M	M (see note 1)	
GI_RCF 18	maintainConnection	7.9.2 [3], B.1.2.2.2 [1]	C.57.1	C.57.1	
GI_RCF 19	serviceControl	B.1.2.2.2 [1]	C.57.2		
GI_RCF 20	supportAdditiveRegistration	B.1.2.2.2 [1]	C.57.2	N/A	
GI_RCF 21	terminalAliasPattern	B.1.2.2.2 [1]	C.57.2	N/A	
GI_RCF 22	supportedPrefixes	B.1.2.2.2 [1]	C.57.2	N/A	
GI_RCF 23	usageSpec	B.1.2.2.2 [1]	C.57.2	N/A	
GI_RCF 24	featureServerAlias	B.1.2.2.2 [1]	C.57.2		
GI_RCF 25	capacityReportingSpec	B.1.2.2.2 [1]	C.57.2		
GI_RCF 26	featureSet	B.1.2.2.2 [1]	C.57.2		
GI_RCF 27	genericData	B.1.2.2.2 [1]	C.57.2		
Comments:					
NOTE 1: willRespondToIRR shall be set to FALSE. NOTE 2: The **makeCall** parameter shall be set to **TRUE**. The **useGKCallSignalAddressToMakeCall** parameter shall be set to **TRUE**. The **answerCall** parameter shall be set to **TRUE**. The **seGKCallSignalAddressToAnswer** parameter shall be set to **TRUE**.					

C.57.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.57.2: IF A.2/VE_3 THEN O ELSE X

A.11.2.7 Parameters for Registration Reject

Table A.58: Parameters for Registration Reject

Item	Parameters for RRJ	Reference	H.323 Status	R2 Status	Support
GI_RRJ 1	requestSeqNum	7.9.3 [3], B.1.2.2.3 [1]	M	M	
GI_RRJ 2	protocolIdentifier	7.9.3 [3], B.1.2.2.3 [1]	M	M	
GI_RRJ 3	rejectReason	7.9.3 [3], B.1.2.2.3 [1]	M	M	
GI_RRJ 4	nonStandardData	7.9.3 [3], B.1.2.2.3 [1]	O		
GI_RRJ 5	gatekeeperIdentifier	7.9.3 [3], B.1.2.2.3 [1]	O		
GI_RRJ 6	altGKInfo	7.9.3 [3], B.1.2.2.3 [1]	O		
GI_RRJ 7	tokens	7.9.3 [3], B.1.2.2.3 [1]	O	O	
GI_RRJ 8	cryptoTokens	7.9.3 [3], B.1.2.2.3 [1]	O	O	
GI_RRJ 9	integrityCheckValue	7.9.3 [3], B.1.2.2.3 [1]	O		
GI_RRJ 10	featureSet	B.1.2.2.1 [1]	C.58.1		
GI_RRJ 11	genericData	B.1.2.2.1 [1]	C.58.1		
Comments:					

C.58.1: IF A.2/VE_3 THEN O ELSE X

A.11.2.8 Parameters for Unregistration Request

Table A.59: Parameters for Unregistration Request

Item	Parameters for URQ	Reference	H.323 Status	R2 Status	Support
GI_URQ 1	requestSeqNum	7.10.1 [3], B.1.2.3 [1]	M	M	
GI_URQ 2	callSignalAddress	7.10.1 [3], B.1.2.3 [1]	C.59.1	C.59.1	
GI_URQ 3	endpoinAlias	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 4	nonStandardData	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 5	endpointIdentifier	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 6	alternateEndpoints	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 7	gatekeeperIdentifier	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 8	tokens	7.10.1 [3], B.1.2.3 [1]	O	O	
GI_URQ 9	cryptoTokens	7.10.1 [3], B.1.2.3 [1]	O	O	
GI_URQ 10	integrityCheckValue	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 11	reason	7.10.1 [3], B.1.2.3 [1]	O		
GI_URQ 12	endpointAliasPattern	7.10.1 [3], B.1.2.3 [1]	C.59.2	N/A	
GI_URQ 13	supportedPrefixes	7.10.1 [3], B.1.2.3 [1]	C.59.2	N/A	
GI_URQ 14	alternateGatekeeper	B.1.2.3 [1]	C.59.2		
GI_URQ 15	genericData	7.10.1 [3], B.1.2.3 [1]	C.59.2		
Comments:					

C.59.1: IF A.2/VE_2 THEN X ELSE M
C.59.2: IF A.2/VE_3 THEN O ELSE X

A.11.2.9 Parameters for Unregistration Confirm

Table A.60: Parameters for Unregistration Confirm

Item	Parameters for UCF	Reference	H.323 Status	R2 Status	Support
GI_UCF 1	requestSeqNum	7.10.2 [3], B.1.2.3 [1]	M	M	
GI_UCF 2	nonStandardData	7.10.2 [3], B.1.2.3 [1]	O		
GI_UCF 3	tokens	7.10.2 [3], B.1.2.3 [1]	O		
GI_UCF 4	cryptoTokens	7.10.2 [3], B.1.2.3 [1]	O		
GI_UCF 5	integrityCheckValue	7.10.2 [3], B.1.2.3 [1]	O		
GI_UCF 6	genericData	B.1.2.3 [1]	C.60.1		
Comments:					

C.60.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X

A.11.2.10 Parameters for Unregistration Reject

Table A.61: Parameters for Unregistration Reject

Item	Parameters for URJ	Reference	H.323 Status	R2 Status	Support
GI_RRJ 1	requestSeqNum	7.10.3 [3], B.1.2.3 [1]	M	M	
GI_URJ 2	rejectReason	7.10.3 [3], B.1.2.3 [1]	M	M	
GI_URJ 3	nonStandardData	7.10.3 [3], B.1.2.3 [1]	O		
GI_URJ 4	altGKInfo	7.10.3 [3], B.1.2.3 [1]	O		
GI_URJ 5	tokens	7.10.3 [3], B.1.2.3 [1]	O		
GI_URJ 6	cryptoTokens	7.10.3 [3], B.1.2.3 [1]	O		
GI_URJ 7	integrityCheckValue	7.10.3 [3], B.1.2.3 [1]	O		
GI_URJ 8	genericData	B.1.2.3 [1]	C.61.1		
Comments:					

C.61.1: IF A.2/VE_3 THEN O ELSE X

A.11.2.11 Parameters for Location Request

Prerequisite: A.52/GI_RM6 item -- Location messages

Table A.62: Parameters for Location Request

Item	Parameters for LRQ	Reference	H.323 Status	S3 Status	Support
GI_LRQ 1	requestSeqNum	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GI_LRQ 2	destinationInfo	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GI_LRQ 3	replyAddress	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GI_LRQ 4	canMapAlias	7.13.1 [3], B.1.2.4.1 [1]	M	M	
GI_LRQ 5	EndpointIdentifier	7.13.1 [3], B.1.2.4.1 [1]	O	O	
GI_LRQ 6	nonStandardData	7.13.1 [3], B.1.2.4.1 [1]	O		
GI_LRQ 7	SourceInfo	7.13.1 [3], B.1.2.4.1 [1]	O		
GI_LRQ 8	gatekeeperIdentifier	7.13.1 [3], B.1.2.4.1 [1]	O		
GI_LRQ 9	tokens	7.13.1 [3], B.1.2.4.1 [1]	O	O	
GI_LRQ 10	cryptoTokens	7.13.1 [3], B.1.2.4.1 [1]	O	O	
GI_LRQ 11	integrityCheckValue	7.13.1 [3], B.1.2.4.1 [1]	O		
GI_LRQ 12	DesiredProtocols	B.1.2.4.1 [1]	C.62.1		
GI_LRQ 13	DesiredTunneledProtocol	B.1.2.4.1 [1]	C.62.1		
GI_LRQ 14	featureSet	B.1.2.4.1 [1]	C.62.1		
GI_LRQ 15	genericData	B.1.2.4.1 [1]	C.62.1		
GI_LRQ 16	hopCount	B.1.2.4.1 [1]	C.62.1		
GI_LRQ 17	circuitInfo	B.1.2.4.1 [1]	C.62.1		
Comments:					

C.62.1: IF A.2/VE_3 THEN O ELSE X

A.11.2.12 Parameters for Location Confirm

Prerequisite: A.52/GI_RM6 item -- Location messages

Table A.63: Parameters for Location Confirm

Item	Parameters for LCF	Reference	H.323 Status	S3 Status	Support
GI_LCF 1	requestSeqNum	7.13.2 [3], B.1.2.4.2 [1]	M	M	
GI_LCF 2	callSignalAddress	7.13.2 [3], B.1.2.4.2 [1]	M	M	
GI_LCF 3	rasAddress	7.13.2 [3], B.1.2.4.2 [1]	M	M	
GI_LCF 4	nonStandardData	7.13.2 [3], B.1.2.4.2 [1]	O		
GI_LCF 5	destinationInfo	7.13.2 [3], B.1.2.4.2 [1]	O	O	
GI_LCF 6	destExtraCallInfo	7.13.2 [3], B.1.2.4.2 [1]	O	N/A	
GI_LCF 7	destinationType	7.13.2 [3], B.1.2.4.2 [1]	O		
GI_LCF 8	remoteExtensionAddress	7.13.2 [3], B.1.2.4.2 [1]	O		
GI_LCF 9	alternateEndpoints	7.13.2 [3], B.1.2.4.2 [1]	O		
GI_LCF 10	tokens	7.13.2 [3], B.1.2.4.2 [1]	O	O	
GI_LCF 11	cryptoTokens	7.13.2 [3], B.1.2.4.2 [1]	O	O	
GI_LCF 12	integrityCheckValue	7.13.2 [3], B.1.2.4.2 [1]	O		
GI_LCF 13	supportedAnnexECallSignalling	7.13.2 [3], B.1.2.4.2 [1]	C.63.1	C.63.1	
GI_LCF 14	alternatTransportAddresses	B.1.2.4.2 [1]	C.63.2		
GI_LCF 15	supportedProtocols	B.1.2.4.2 [1]	C.63.2		
GI_LCF 16	multipleCalls	B.1.2.4.2 [1]	C.63.2		
GI_LCF 17	featureSet	B.1.2.4.2 [1]	C.63.2		
GI_LCF 18	genericData	B.1.2.4.2 [1]	C.63.2		
GI_LCF 19	circuitInfo	B.1.2.4.2 [1]	C.63.2		
GI_LCF 20	serviceControl	B.1.2.4.2 [1]	C.63.2		
Comments:					

C.63.1: IF A.2/VE_2 THEN M ELSE X
C.63.2: IF A.2/VE_3 THEN O ELSE X

A.11.2.13 Parameters for Location Reject

Prerequisite: A.52/GI_RM6 item -- Location messages

Table A.64: Parameters for Location Reject

Item	Parameters for LRJ	Reference	H.323 Status	S3 Status	Support
GI_LRJ 1	requestSeqNum	7.13.3 [3], B.1.2.4.3 [1]	M	M	
GI_LRJ 2	rejectReason	7.13.3 [3], B.1.2.4.3 [1]	M	M	
GI_LRJ 3	nonStandardData	7.13.3 [3], B.1.2.4.3 [1]	O		
GI_LRJ 4	altGKInfo	7.13.3 [3], B.1.2.4.3 [1]	O		
GI_LRJ 5	tokens	7.13.3 [3], B.1.2.4.3 [1]	O	O	
GI_LRJ 6	cryptoTokens	7.13.3 [3], B.1.2.4.3 [1]	O	O	
GI_LRJ 7	integrityCheckValue	7.13.3 [3], B.1.2.4.3 [1]	O		
GI_LRJ 8	featureSet	B.1.2.4.3 [1]	C.64.1		
GI_LRJ 9	genericData	B.1.2.4.3 [1]	C.64.1		
GI_LRJ 10	serviceControl	B.1.2.4.3 [1]	C.64.1		
Comments:					

C.64.1: IF A.2/VE_3 THEN O ELSE X

A.11.3 BCC Messages and Parameters

A.11.3.1 BCC Messages

Table A.65: BCC Messages

Item	BCC Message	Reference	H.323 Status	C2 Status	Support
GI_BM 1	Alerting	7.3.1 [3], B.1.3 [1]	M	M	
GI_BM 2	Call Proceeding	7.3.2 [3], B.1.3 [1]	M	M	
GI_BM 3	Connect	7.3.3 [3], B.1.3 [1]	M	M	
GI_BM 4	Information	7.3.6 [3], B.1.3 [1]	M	M	
GI_BM 5	Progress	7.3.7 [3], B.1.3 [1]	M	M	
GI_BM 6	Release Complete	7.3.9 [3], B.1.3 [1]	M	M	
GI_BM 7	Setup	7.3.10 [3], B.1.3 [1]	M	M	
GI_BM 8	Setup Ack	7.3.11 [3], B.1.3 [1]	O	M	
GI_BM 9	Facility	7.4.1 [3], B.1.3 [1]	M	M	
Comments:					
NOTE: Gatekeeper, according to H.323, shall forward all Q.931 messages.					

A.11.3.2 Parameters for Alerting

Table A.66: Parameters for Alerting

Item	Parameters for Alerting	Reference	H.323 Status	C2 Status	Support
GI_AL 1	Protocol discriminator	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 2	Call reference	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 3	Message type	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 4	User-to-User	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 5	Bearer capability	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 6	Extended Facility	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 7	Facility	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 8	Progress indicator	7.3.1 [3], B.1.3.1 [1]	O	O	
GI_AL 9	Notification indicator	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 10	Display	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 11	Signal	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 12	protocolIdentifier	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 13	destinationInfo	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 14	callIdentifier	7.3.1 [3], B.1.3.1 [1]	M	M	
GI_AL 15	h245Address	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 16	h245SecurityMode	7.3.1 [3], B.1.3.1 [1]	O		
GI_AL 17	tokens	7.3.1 [3], B.1.3.1 [1]	O	O	
GI_AL 18	cryptoTokens	7.3.1 [3], B.1.3.1 [1]	O	O	
GI_AL 19	fastStart	7.3.1 [3], B.1.3.1 [1]	O	O	
GI_AL 20	multipleCalls	7.3.1 [3], B.1.3.1 [1]	C.67.2	C.67.1	
GI_AL 21	maintainConnection	7.3.1 [3], B.1.3.1 [1]	C.67.1	C.67.1	
GI_AL 22	alertingAddress	7.3.1 [3], B.1.3.1 [1]	C.67.1	C.67.1	
GI_AL 23	presentationIndicator	7.3.1 [3], B.1.3.1 [1]	C.67.2	C.67.1	
GI_AL 24	screeningIndicator	7.3.1 [3], B.1.3.1 [1]	C.67.1	C.67.1	
GI_AL 25	fastConnectRefused	B.1.3.1 [1]	C.67.3		
GI_AL 26	serviceControl	B.1.3.1 [1]	C.67.3		
GI_AL 27	capacity	B.1.3.1 [1]	C.67.3		
GI_AL 28	featureSet	B.1.3.1 [1]	C.67.3		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.67.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.67.2: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.67.3: IF A.2/VE_3 THEN O ELSE X

A.11.3.3 Parameters for Call Proceeding

Table A.67: Parameters for Call Proceeding

Item	Parameters for Call Proceeding	Reference	H.323 Status	C2 Status	Support
GI_CP 1	Protocol discriminator	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 2	Call reference	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 3	Message type	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 4	User-to-User	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 5	Bearer capability	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 6	Extended Facility	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 7	Facility	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 8	Progress indicator	7.3.2 [3], B.1.3. 2 [1]	O	O	
GI_CP 9	Notification indicator	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 10	Display	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 11	protocolIdentifier	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 12	destinationInfo	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 13	callIdentifier	7.3.2 [3], B.1.3. 2 [1]	M	M	
GI_CP 14	h245Address	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 15	h245SecurityMode	7.3.2 [3], B.1.3. 2 [1]	O		
GI_CP 16	tokens	7.3.2 [3], B.1.3. 2 [1]	O	O	
GI_CP 17	cryptoTokens	7.3.2 [3], B.1.3. 2 [1]	O	O	
GI_CP 18	fastStart	7.3.2 [3], B.1.3. 2 [1]	O	O	
GI_CP 19	multipleCalls	7.3.2 [3], B.1.3. 2 [1]	C.67.1	C.67.1 (see note)	
GI_CP 20	maintainConnection	7.3.2 [3], B.1.3. 2 [1]	C.67.1	C.67.1 (see note)	
GI_CP 21	fastConnecRefused	B.1.3.1.2 [1]	C.67.2	C.67.2	
GI_CP 22	featureSet	B.1.3.1.2 [1]	C.67.2	C.67.2	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.67.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.67.2: IF A.2/VE_3 THEN O ELSE X

A.11.3.4 Parameters for Connect

Table A.68: Parameters for Connect

Item	Parameters for Connect	Reference	H.323 Status	C2 Status	Support
GI_CO 1	Protocol discriminator	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 2	Call reference	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 3	Message type	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 4	User-to-User	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 5	Bearer capability	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 6	Extended Facility	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 7	Facility	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 8	Progress indicator	7.3.3 [3] B.1.3. 3 [1]	O	O	
GI_CO 9	Notification indicator	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 10	Display	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 11	Date/Time	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 12	Connected Number	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 13	Connected Subaddress	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 14	protocolIdentifier	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 15	destinationInfo	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 16	conferenceID	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 17	callIdentifier	7.3.3 [3] B.1.3. 3 [1]	M	M	
GI_CO 18	h245Address	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 19	h245SecurityMode	7.3.3 [3] B.1.3. 3 [1]	O		
GI_CO 20	tokens	7.3.3 [3] B.1.3. 3 [1]	O	O	
GI_CO 21	cryptoTokens	7.3.3 [3] B.1.3. 3 [1]	O	O	
GI_CO 22	fastStart	7.3.3 [3] B.1.3. 3 [1]	O	O	
GI_CO 23	multipleCalls	7.3.3 [3] B.1.3. 3 [1]	C.68.1	C.68.1 (see note)	
GI_CO 24	maintainConnection	7.3.3 [3] B.1.3. 3 [1]	C.68.1	C.68.1 (see note)	
GI_CO 25	language	7.3.3 [3] B.1.3. 3 [1]	C.68.2		
GI_CO 26	ConnectedAddress	7.3.3 [3] B.1.3. 3 [1]	C.68.2		
GI_CO 27	presentationIndicator	7.3.3 [3] B.1.3. 3 [1]	C.68.3	C.68.3	
GI_CO 28	screeningIndicator	7.3.3 [3] B.1.3. 3 [1]	C.68.3	C.68.3	
GI _CO 29	fastConnectRefused	B.1.3.1.3 [1]	C.68.4	C.68.4	
GI _CO 30	serviceControl	B.1.3.1.3 [1]	C.68.4	C.68.4	
GI _CO 31	capacity	B.1.3.1.3 [1]	C.68.4	C.68.4	
GI _CO 32	featureSet	B.1.3.1.3 [1]	C.68.4	C.68.4	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.68.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.68.2: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.68.3: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.68.4: IF A.2/VE_3 THEN O ELSE X

A.11.3.5 Parameters for Information

Table A.69: Parameters for Information

Item	Parameters for Information	Reference	H.323 Status	C2 Status	Support
GI_IN 1	Protocol discriminator	7.3.6 [3], B.1.3.5 [1]	M	M	
GI_IN 2	Call reference	7.3.6 [3], B.1.3.5 [1]	M	M	
GI_IN 3	Message type	7.3.6 [3], B.1.3.5 [1]	M	M	
GI_IN 4	User-to-User	7.3.6 [3], B.1.3.5 [1]	M	M	
GI_IN 5	Sending complete	7.3.6 [3], B.1.3.5 [1]	O	O.69.1	
GI_IN 6	Display	7.3.6 [3], B.1.3.5 [1]	O		
GI_IN 7	Keypad Facility	7.3.6 [3], B.1.3.5 [1]	O		
GI_IN 8	Signal	7.3.6 [3], B.1.3.5 [1]	O		
GI_IN 9	Called party number	7.3.6 [3], B.1.3.5 [1]	O	O.69.1	
GI_IN 10	protocolIdentifier	7.3.6 [3], B.1.3.5 [1]	M	M	
GI_IN 11	callIdentifier	7.3.6 [3], B.1.3.5 [1]	M	M	
GI_IN 12	tokens	7.3.6 [3], B.1.3.5 [1]	C.69.1	C.69.1	
GI_IN 13	cryptoTokens	7.3.6 [3], B.1.3.5 [1]	C.69.1	C.69.1	
GI_IN 14	fastStart	7.3.6 [3], B.1.3.5 [1]	C.69.1	N/A	
GI_IN 15	fastConnectRefused	7.3.6 [3], B.1.3.5 [1]	C.69.2		
GI_IN 16	circuitInfo	7.3.6 [3], B.1.3.5 [1]	C.69.2		
Comments:					

O.69.1: It is mandatory to support at least one of the items
C.69.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.69.2: IF A.2/VE_3 THEN O ELSE X

A.11.3.6 Parameters for Progress

Table A.70: Parameters for Progress

Item	Parameters for Progress	Reference	H.323 Status	C2 Status	Support
GI_PG 1	Protocol discriminator	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 2	Call reference	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 3	Message type	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 4	Progress indicator	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 5	User-to-User	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 6	Bearer capability	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 7	Cause	7.3.7 [3], B.1.3.6 [1]	O	O	
GI_PG 8	Display	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 9	Extended Facility	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 10	Facility	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 11	Notification indicator	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 12	protocolIdentifier	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 13	destinationInfo	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 14	callIdentifier	7.3.7 [3], B.1.3.6 [1]	M	M	
GI_PG 15	h245Address	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 16	h245SecurityMode	7.3.7 [3], B.1.3.6 [1]	O		
GI_PG 17	tokens	7.3.7 [3], B.1.3.6 [1]	O	O	
GI_PG 18	cryptoTokens	7.3.7 [3], B.1.3.6 [1]	O	O	
GI_PG 19	fastStart	7.3.7 [3], B.1.3.6 [1]	O	O	
GI_PG 20	multipleCalls	7.3.7 [3], B.1.3.6 [1]	C.70.1	C.70.1 (see note)	
GI_PG 21	maintainConnection	7.3.7 [3], B.1.3.6 [1]	C.70.1	C.70.1 (see note)	
GN_PG 22	fastConnectRefused	B.1.3.1.4 [1]	C.70.2	C.70.2	
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.70.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.70.2: IF A.2/VE_3 THEN O ELSE X

A.11.3.7 Parameters for Release Complete

Table A.71: Parameters for Release Complete

Item	Parameters for Release Complete	Reference	H.323 Status	C2 Status	Support
GI_RC 1	Protocol discriminator	7.3.9 [3] B.1.3.7 [1]	M	M	
GI_RC 2	Call reference	7.3.9 [3] B.1.3.7 [1]	M	M	
GI_RC 3	Message type	7.3.9 [3] B.1.3.7 [1]	M	M	
GI_RC 4	User-to-User	7.3.9 [3] B.1.3.7 [1]	M	M	
GI_RC 5	cause	7.3.9 [3] B.1.3.7 [1]	O.71.1	O.71.1	
GI_RC 6	Facility	7.3.9 [3] B.1.3.7 [1]	O		
GI_RC 7	Notification indicator	7.3.9 [3] B.1.3.7 [1]	O		
GI_RC 8	Display	7.3.9 [3] B.1.3.7 [1]	O		
GI_RC 9	signal	7.3.9 [3] B.1.3.7 [1]	O		
GI_RC 10	protocolIdentifier	7.3.9 [3] B.1.3.7 [1]	M	M	
GI_RC 11	reason	7.3.9 [3] B.1.3.7 [1]	O.71.1	O.71.1	
GI_RC 12	callIdentifier	7.3.9 [3] B.1.3.7 [1]	M	M	
GI_RC 13	tokens	7.3.9 [3] B.1.3.7 [1]	O	O	
GI_RC 14	cryptoTokens	7.3.9 [3] B.1.3.7 [1]	O	O	
GI_RC 15	busyAddress	7.3.9 [3] B.1.3.7 [1]	C.71.1		
GI_RC 16	presentationIndicator	7.3.9 [3] B.1.3.7 [1]	C.71.2	C.71.2	
GI_RC 17	screeningIndicator	7.3.9 [3] B.1.3.7 [1]	C.71.2	C.71.2	
GI_RC 18	capacity	B.1.3.2.1 [1]	C.71.3		
GI_RC 19	serviceControl	B.1.3.2.1 [1]	C.71.3		
GI_RC 20	featureSet	B.1.3.2.1 [1]	C.71.3		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

O.71.1: Only one of these field shall be present
C.71.1: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.71.2: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.71.3: IF A.2/VE_3 THEN O ELSE X

A.11.3.8 Parameters for Setup

Table A.72: Parameters for Setup

Item	Parameters for Setup	Reference	H.323 Status	C2 Status	Support
GI_SU 1	Protocol discriminator	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 2	Call reference	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 3	Message type	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 4	Bearer capability	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 5	User-to-User	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 6	sendingcomplete	7.3.10 [3], B.1.3.8 [1]	O	M	
GI_SU 7	Extended Facility	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 8	Facility	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 9	Notification indicator	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 10	Display	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 11	signal	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 12	keypadFacility	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 13	Calling party number	7.3.10 [3], B.1.3.8 [1]	O	O.72.1	
GI_SU 14	Calling party subaddress	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 15	called party number	7.3.10 [3], B.1.3.8 [1]	O	O.72.2	
GI_SU 16	Called party subaddress	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 17	protocolIdentifier	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 18	sourceInfo	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 19	activeMC	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 20	confrenceID	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 21	confrenceGoal	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 22	callType	7.3.10 [3], B.1.3.8 [1]	M	M (see note)	
GI_SU 23	callIdentifier	7.3.10 [3], B.1.3.8 [1]	M	M	
GI_SU 24	h245Address	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 25	sourceAddress	7.3.10 [3], B.1.3.8 [1]	O	O.72.1	
GI_SU 26	destinationAddress	7.3.10 [3], B.1.3.8 [1]	O	O.72.2	
GI_SU 27	destCallSignalAddress	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 28	DestExtraCallInfo	7.3.10 [3], B.1.3.8 [1]	O	N/A	
GI_SU 29	DestExtraCRV	7.3.10 [3], B.1.3.8 [1]	O	N/A	
GI_SU 30	callServices	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 31	SourceCallSignalAddress	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 32	remoteExtensionAddress	7.3.10 [3], B.1.3.8 [1]	O	N/A	
GI_SU 33	h245SecurityCapability	7.3.10 [3], B.1.3.8 [1]	O		
GI_SU 34	tokens	7.3.10 [3], B.1.3.8 [1]	O	O	
GI_SU 35	cryptoTokens	7.3.10 [3], B.1.3.8 [1]	O	O	
GI_SU 36	fastStart	7.3.10 [3], B.1.3.8 [1]	O	M	
GI_SU 37	mediaWaitForConnect	7.3.10 [3], B.1.3.8 [1]	M	M (see note)	
GI_SU 38	canOverlapSend	7.3.10 [3], B.1.3.8 [1]	M	M (see note)	
GI_SU 39	endpointIdentifier	7.3.10 [3], B.1.3.8 [1]	O	M	
GI_SU 40	multipleCalls	7.3.10 [3], B.1.3.8 [1]	C.72.1	C.72.1 (see note)	
GI_SU 41	maintainConnection	7.3.10 [3], B.1.3.8 [1]	C.72.1	C.72.1 (see note)	
GI_SU 42	connectionParameters	7.3.10 [3], B.1.3.8 [1]	C.72.2		
GI_SU 43	language	7.3.10 [3], B.1.3.8 [1]	C.72.2		
GI_SU 44	presentationIndicator	7.3.10 [3], B.1.3.8 [1]	C.72.3	C.72.3	
GI_SU 45	screeningIndicator	7.3.10 [3], B.1.3.8 [1]	C.72.3	C.72.3	
GI_SU 46	serviceControl	B.1.3.1.8 [1]	C.72.4		
GI_SU 47	symmetricOperationRequired	B.1.3.1.8 [1]	C.72.4		
GI_SU 48	capacity	B.1.3.1.8 [1]	C.72.4		
GI_SU 49	circuitInfo	B.1.3.1.8 [1]	C.72.4		
GI_SU 50	desiredProtocols	B.1.3.1.8 [1]	C.72.4		
GI_SU 51	neededFeatures	B.1.3.1.8 [1]	C.72.4		
GI_SU 52	desiredFeatures	B.1.3.1.8 [1]	C.72.4		

Item	Parameters for Setup	Reference	H.323 Status	C2 Status	Support
GI_SU 53	supportedFeatures	B.1.3.1.8 [1]	C.72.4		
GI_SU 54	ParallelH245Control	B.1.3.1.8 [1]	C.72.4		
GI_SU 55	additionalSourceAddresses	B.1.3.1.8 [1]	C.72.4		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

O.72.1: At least one of these field shall be present
O.72.2: At least one of these field shall be present
C.72.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.72.2: IF (A.2/VE_2 OR A.2/VE_3) THEN O ELSE X
C.72.3: IF A.2/VE_2 THEN M ELSE IF A.2/VE_3 THEN O ELSE X
C.72.4: IF A.2/VE_3 THEN O ELSE X

A.11.3.9 Parameters for Setup Acknowledge

Table A.73: Parameters for Setup Acknowledge

Item	Parameters for Setup Acknowledge	Reference	H.323 Status	C2 Status	Support
GI_SA 1	Protocol discriminator	7.3.11 [3], B.1.3.9 [1]	M	M	
GI_SA 2	Call reference	7.3.11 [3], B.1.3.9 [1]	M	M	
GI_SA 3	Message type	7.3.11 [3], B.1.3.9 [1]	M	M	
GI_SA 4	Channel Identification	7.3.11 [3], B.1.3.9 [1]	O	N/A	
GI_SA 5	Progress Indicator	7.3.11 [3], B.1.3.9 [1]	O	N/A	
GI_SA 6	Display	B.1.3.9 [1]	O		
GI_SA 7	signal	B.1.3.9 [1]	O		
GI_SA 8	protocolIdentifier	B.1.3.9 [1]	C.73.1	C.73.1	
GI_SA 9	callIdentifier	B.1.3.9 [1]	C.73.1	C.73.1	
GI_SA 10	tokens	B.1.3.9 [1]	C.73.2		
GI_SA 11	cryptotoTokenstokens	B.1.3.9 [1]	C.73.2		
Comments:					

C.73.1: IF A.2/VE_3 THEN M ELSE X
C.73.1: IF A.2/VE_3 THEN O ELSE X

A.11.3.10 Parameters for Facility

Table A.74: Parameters for Facility

Item	Parameters for Facility	Reference	H.323 Status	C2 Status	Support
GI_FA 1	Protocol discriminator	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 2	Call reference	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 3	Message type	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 4	Extended facility	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 5	Facility	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 6	User-To-User	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 7	Display	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 8	protocolIdentifier	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 9	sourceInfo	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 10	reason	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 11	callIdentifier	7.4.1 [3], B.1.3.4 [1]	M	M	
GI_FA 12	alternativeAddress	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 13	alternativeAliasAddress	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 14	conferenceId	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 15	DestExtraCallInfo	7.4.1 [3], B.1.3.4 [1]	O	N/A	
GI_FA 16	remoteExtensionAddress	7.4.1 [3], B.1.3.4 [1]	O	N/A	
GI_FA 17	tokens	7.4.1 [3], B.1.3.4 [1]	O	O	
GI_FA 18	cryptoTokens	7.4.1 [3], B.1.3.4 [1]	O	O	
GI_FA 19	conferences	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 20	H245Address	7.4.1 [3], B.1.3.4 [1]	O		
GI_FA 21	fastStart	7.4.1 [3], B.1.3.4 [1]	O	O	
GI_FA 22	multipleCalls	7.4.1 [3], B.1.3.4 [1]	C.74.1	C.74.1 (see note)	
GI_FA 23	maintainConnection	7.4.1 [3], B.1.3.4 [1]	C.74.1	C.74.1 (see note)	
GI_FA 24	fastConnectRefused	B.1.3.4 [1]	C.74.2		
GI_FA 25	serviceControl	B.1.3.4 [1]	C.74.2		
GI_FA 26	circuitInfo	B.1.3.4 [1]	C.74.2		
GI_FA 27	featureSet	B.1.3.4 [1]	C.74.2		
GI_FA 28	destinationInfo	B.1.3.4 [1]	C.74.2		
GI_FA 29	H245SecurityMode	B.1.3.4 [1]	C.74.2		
Comments:					
NOTE: According to TIPHON profile, this field shall be set to FALSE value.					

C.74.1: IF (A.2/VE_2 OR A.2/VE_3) THEN M ELSE X
C.74.2: IF A.2/VE_3 THEN O ELSE X

A.11.4 RAS Timer

Table A.75: RAS Timer

Item	Parameters for RRJ	Reference	H.323 Status	R2 Status	Support
GI_TI 1	GRQ timer	7.19 [3]	O		
GI_TI2	URQ timer	7.19 [3]	O	N/A	
GI_TI3	ARQ timer	7.19 [3]	O	N/A	
GI_TI4	DRQ timer	7.19 [3]	O	N/A	
GI_TI5	LRQ timer	7.19 [3]	O		
Comments:					

History

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