

# ETSI TS 101 890-1 V1.1.1 (2002-01)

---

*Technical Specification*

**Telecommunications and Internet Protocol  
Harmonization Over Networks (TIPHON) Release 3;  
Technology Compliance Specifications;  
TIPHON profile for ITU-T H.245;  
Part 1: Protocol Implementation Conformance  
Statement (PICS) proforma specification**

---



---

**Reference**

DTS/TIPHON-06018-1

---

**Keywords**ICS, IP, PICS, supplementary service, testing,  
VoIP**ETSI**

---

650 Route des Lucioles  
F-06921 Sophia Antipolis Cedex - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° 7803/88

---

**Important notice**

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status. Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, send your comment to:

[editor@etsi.fr](mailto:editor@etsi.fr)

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2002.  
All rights reserved.

# Contents

Intellectual Property Rights .....	6
Foreword.....	6
Introduction .....	6
1 Scope .....	7
2 References .....	7
3 Definitions and abbreviations.....	7
3.1 Definitions .....	7
3.2 Abbreviations .....	8
4 Conformance to this PICS proforma specification.....	8
<b>Annex A (normative): PICS proforma for TIPHON Release 3 profile for ITU-T Recommendation H.245 .....</b>	<b>9</b>
A.1 Guidance for completing the PICS proforma.....	9
A.1.1 Purposes and structure.....	9
A.1.2 Abbreviations and conventions .....	9
A.1.3 Instructions for completing the PICS proforma.....	11
A.2 Identification of the implementation .....	11
A.2.1 Date of the statement .....	11
A.2.2 Implementation Under Test (IUT) identification .....	11
A.2.3 System Under Test (SUT) identification .....	11
A.2.4 Product supplier.....	12
A.2.5 Client (if different from product supplier).....	12
A.2.6 PICS contact person .....	13
A.3 PICS/System Conformance Statement (SCS) .....	13
A.4 Identification of the protocol.....	13
A.5 Global statement of conformance.....	13
A.6 Capabilities.....	14
A.6.1 Role .....	14
A.6.2 Major capabilities .....	14
A.6.3 H.245 Entities.....	15
A.6.4 H.245 Message sets .....	15
A.6.5 H.245 Procedures .....	16
A.6.6 Timers for H.245 procedures.....	16
A.6.7 Counters for H.245 procedures.....	17
A.6.8 Primitives and states for H.245 procedures .....	17
A.6.8.1 MSDSE procedures.....	17
A.6.8.2 CESE procedures .....	18
A.6.8.3 LCSE procedures .....	19
A.6.8.4 B-LCSE procedures .....	20
A.6.8.5 CLCSE procedures .....	21
A.6.8.6 MTSE procedures .....	22
A.6.8.7 RMESE procedures.....	24
A.6.8.8 MRSE procedures.....	25
A.6.8.9 RTDSE procedures .....	26
A.6.8.10 MLSE procedures .....	26
A.6.9 Originating endpoint.....	28
A.6.9.1 Sending .....	28
A.6.9.1.1 Master slave Determination message set (MD).....	28
A.6.9.1.2 Terminal capability message set (CE).....	28
A.6.9.1.3 Logical Channel signalling message set (LC).....	28

A.6.9.1.4	Multiplex Table signalling message set (MT).....	29
A.6.9.1.5	Request multiplex Table signalling message set (RM) .....	29
A.6.9.1.6	Request Mode message set (MR).....	29
A.6.9.1.7	Round Trip delay message set (RT).....	29
A.6.9.1.8	Maintenance Loop message set (ML) .....	30
A.6.9.1.9	Communication Mode message set (CM) .....	30
A.6.9.1.10	Conference Request and response message set (CR) .....	31
A.6.9.1.11	Multilink Message set (MM).....	32
A.6.9.1.12	Logical channel Bit rate change message set (LB) .....	32
A.6.9.1.13	Commands message set (CD) .....	32
A.6.9.1.14	Indications Message set (IM) .....	33
A.6.9.2	Receiving .....	33
A.6.9.2.1	Master slave Determination message set (MD).....	33
A.6.9.2.2	Terminal capability message set (CE).....	33
A.6.9.2.3	Logical Channel signalling message set (LC) .....	34
A.6.9.2.4	Multiplex Table signalling message set (MT).....	34
A.6.9.2.5	Request Multiplex table signalling message set (RM) .....	34
A.6.9.2.6	Request Mode message set (MR).....	35
A.6.9.2.7	Round Trip delay message set (RT).....	35
A.6.9.2.8	Maintenance Loop message set (ML) .....	35
A.6.9.2.9	Communication Mode message set (CM) .....	35
A.6.9.2.10	Conference Request and response message set (CR) .....	36
A.6.9.2.11	Multilink Message set (MM).....	37
A.6.9.2.12	Logical channel Bit rate change message set (LB) .....	37
A.6.9.2.13	Commands message set (CD) .....	37
A.6.9.2.14	Indications Message set (IM) .....	38
A.6.9.3	Message content.....	38
A.6.9.3.1	Terminal Capability Set .....	38
A.6.9.3.2	Terminal Capability Set Acknowledge .....	38
A.6.9.3.3	Terminal Capability Set Reject .....	39
A.6.9.3.4	Open Logical Channel.....	39
A.6.9.3.5	Open Logical Channel Acknowledge.....	39
A.6.9.3.6	Open Logical Channel Reject .....	39
A.6.9.3.7	Open Logical Channel Confirm .....	40
A.6.9.3.8	Close Logical Channel .....	40
A.6.9.3.9	Close Logical Channel Acknowledge .....	40
A.6.9.3.10	Request mode .....	40
A.6.9.3.11	Request Mode Acknowledge .....	41
A.6.9.3.12	Request Mode Reject .....	41
A.6.10	Terminating endpoint .....	41
A.6.10.1	Sending .....	41
A.6.10.1.1	Master slave Determination message set (MD).....	41
A.6.10.1.2	Terminal capability message set (CE).....	42
A.6.10.1.3	Logical Channel signalling message set (LC) .....	42
A.6.10.1.4	Multiplex Table signalling message set (MT).....	42
A.6.10.1.5	Request Multiplex table signalling message set (RM) .....	43
A.6.10.1.6	Request Mode message set (MR).....	43
A.6.10.1.7	Round Trip delay message set (RT).....	43
A.6.10.1.8	Maintenance Loop message set (ML) .....	44
A.6.10.1.9	Communication Mode message set (CM) .....	44
A.6.10.1.10	Conference Request and response message set (CR) .....	45
A.6.10.1.11	Multilink Message set (MM).....	46
A.6.10.1.12	Logical channel Bit rate change message set (LB) .....	46
A.6.10.1.13	Commands message set (CD) .....	46
A.6.10.1.14	Indications Message set (IM) .....	47
A.6.10.2	Receiving .....	47
A.6.10.2.1	Master slave Determination message set (MD).....	47
A.6.10.2.2	Terminal capability message set (CE).....	47
A.6.10.2.3	Logical Channel signalling message set (LC) .....	48
A.6.10.2.4	Multiplex Table signalling message set (MT).....	48
A.6.10.2.5	Request Multiplex table signalling message set (RM) .....	48
A.6.10.2.6	Request Mode message set (MR).....	49

A.6.10.2.7	Round Trip delay message set (RT).....	49
A.6.10.2.8	Maintenance Loop message set (ML).....	49
A.6.10.2.9	Communication Mode message set (CM).....	49
A.6.10.2.10	Conference Request and response message set (CR).....	50
A.6.10.2.11	Multilink Message set (MM).....	51
A.6.10.2.12	Logical channel Bit rate change message set (LB).....	51
A.6.10.2.13	Commands message set (CD).....	51
A.6.10.2.14	Indications Message set (IM).....	52
A.6.10.3	Message content.....	52
A.6.10.3.1	Terminal Capability Set.....	52
A.6.10.3.2	Terminal Capability Set Acknowledge.....	52
A.6.10.3.3	Terminal Capability Set Reject.....	53
A.6.10.3.4	Open Logical Channel.....	53
A.6.10.3.5	Open Logical Channel Acknowledge.....	53
A.6.10.3.6	Open Logical Channel Reject.....	53
A.6.10.3.7	Open Logical Channel Confirm.....	54
A.6.10.3.8	Close Logical Channel.....	54
A.6.10.3.9	Close Logical Channel Acknowledge.....	54
A.6.10.3.10	Request mode.....	54
A.6.10.3.11	Request Mode Acknowledge.....	55
A.6.10.3.12	Request Mode Reject.....	55
History.....		56

---

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://webapp.etsi.org/IPR/home.asp>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

---

## 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 multi-part deliverable covering Telecommunications and Internet Protocol Harmonization Over Networks (TIPHON) Release 3; Technology Compliance Specifications; TIPHON profile for ITU-T Recommendation H.245, as identified below:

- Part 1: "Protocol Implementation Conformance Statement (PICS) proforma specification";
- Part 2: "Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 3: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification".

---

## 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 control protocol for multimedia communication as specified in ITU-T Recommendation H.245 [3] 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 [5].

The supplier of a protocol implementation which is claimed to conform to ITU-T Recommendation H.245 [3] as specified in 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: "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 (Version 3, 1999): "Packet-based multimedia communications systems".
- [3] ITU-T Recommendation H.245 (Version 7, 2000): "Control protocol for multimedia communication".
- [4] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [5] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

---

# 3 Definitions and abbreviations

## 3.1 Definitions

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

- Terms defined in ITU-T Recommendation H.323 [2];
- Terms defined in ITU-T Recommendation H.245 [3];
- Terms defined in ISO/IEC 9646-1 [4] and in ISO/IEC 9646-7 [5].

In particular, the following terms defined in ISO/IEC 9646-1 [4] apply:

**Implementation Conformance Statement (ICS):** statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented

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

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

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

## 3.2 Abbreviations

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

B-LCSE	Bi-directional Logical Channel Signalling Entity
CESE	Capability Exchange Signalling Entity
CLCSE	Close Logical Channel Signalling Entity
GK	GateKeeper
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
LCSE	Logical Channel Signalling Entity
MLSE	Maintenance Loop Signalling Entity
MRSE	Mode Request Signalling Entity
MSDSE	Master Slave Determination Signalling Entity
MTSE	Multiplex Table Signalling Entity
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
RMESE	Request Multiplex Entry Signalling Entity
RTDSE	Round Trip Delay Signalling Entity
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.

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 TIPHON Release 3 profile for ITU-T Recommendation H.245

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

---

### A.1 Guidance for completing the PICS proforma

#### A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ITU-T Recommendation H.245 as specified in 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;
- Role and capabilities.

#### 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 ITU-T Recommendation H.245.

##### **Item column**

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

##### **Item description column**

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

##### **Status column**

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

M or m	mandatory - the capability is required to be supported;
O or o	optional - the capability may be supported or not;
N/A or n/a	not applicable - in the given context, it is impossible to use the capability;
X or x	prohibited (excluded) - there is a requirement not to use this capability in the given context;
O.i or o.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 and the logic of their selection which is defined immediately following the table;
Ci.j or ci.j	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 the table and "j" is an integer sequentially allocated inside the table. Ci.j forms a unique conditional status expression which is defined immediately following the table;

I or i irrelevant (out-of-scope) - the requirement on the capability is outside the scope of the reference specification. No answer is requested from the supplier.

### Reference column

The reference column makes reference to ITU-T Recommendation H.245 except where explicitly stated otherwise.

### Support column

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

Y or y	supported by the implementation;
N or n	not supported by the implementation;
N/A or n/a	no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional status).

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

EXAMPLE 1: ?3: IF prof1 THEN Y ELSE N.

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

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

### Values allowed column

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

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

### Values supported column

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

### References to items

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

EXAMPLE 2: A.5/4 is the reference to the answer of item 4 in table 5 of annex A.

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

**Prerequisite line**

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

A prerequisite line after a clause or before a table header 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 client information should both be filled in if they are different.

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

**A.2.1 Date of the statement**

.....

**A.2.2 Implementation Under Test (IUT) identification**

IUT name:

.....  
 .....

IUT version:

.....

**A.2.3 System Under Test (SUT) identification**

SUT name:

.....  
 .....

Hardware configuration:

.....  
 .....  
 .....

Operating system:

.....

## A.2.4 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

## A.2.5 Client (if different from product supplier)

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....  
 .....

## A.2.6 PICS contact person

(A person to contact if there are any queries concerning the content of the PICS)

Name:

.....

Telephone number:

.....

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 standard: TS 101 883 profile for H.245 part.

---

## 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 Capabilities

### A.6.1 Role

**Table A.1: TIPHON Role**

Item	Role	C1 Status	C2 Status	C1 Support	C2 Support
TRL 1	Terminal	O.1	N/A		N/A
TRL 2	GateKeeper	O.1	O.1		
Comments:					

O.1: It is mandatory to support at least one of these items.

**Table A. 2: H.245 Role**

Item	Role	H.245 Reference	Status	Support
HRL 1	Originating Endpoint (outgoing entity)	Annex C	O.2	
HRL 2	Terminating Endpoint (incoming entity)	Annex C	O.2	
Comments:				

O.2: It is mandatory to support at least one of these items.

### A.6.2 Major capabilities

**Table A.3: Major capabilities**

Item	Major capability	H.245 Reference	Status	Support
MC 1	H.245 Entities	Clause 5	M	
MC 2	H.245 Message sets	Annex B	M	
MC 3	H.245 Procedures	Annex C	M	
MC 4	Timers for H.245 procedures	Appendix III	M	
MC 5	Counters for H.245 procedures	Appendix III	M	
Comments:				

## A.6.3 H.245 Entities

Table A.4: Entities

Item	Entity	H.245 Reference	Status	Support
EN 1	Master Slave Determination Signalling Entity (MSDSE)	5.1	O	
EN 2	Capability Exchange Signalling Entity (CESE)	5.2	M	
EN 3	Logical Channel Signalling Entity (LCSE)	5.3	M	
EN 4	Bi-directional Logical Channel Signalling Entity (B-LCSE)	5.3	M	
EN 5	Close Logical Channel Signalling Entity (CLCSE)	5.4	M	
EN 6	Multiplex Table Signalling Entity (MTSE)	5.5	X	
EN 7	Request Multiplex Entry Signalling Entity (RMESE)	5.5	X	
EN 8	Mode Request Signalling Entity (MRSE)	5.6	M	
EN 9	Round Trip Delay Signalling Entity (RTDSE)	5.7	O	
EN 10	Maintenance Loop Signalling Entity (MLSE)	5.8	O	
EN 11	Commands and indications	5.9	O	
Comments:				

## A.6.4 H.245 Message sets

Table A.5: Message sets

Item	Message set	H.245 Reference	Status	Support
MS 1	Master Slave Determination message set (MD)	B.1	C5.1	
MS 2	Terminal capability message set (CE)	B.2	C5.2	
MS 3	Logical channel signalling message set (LC)	B.3	C5.3	
MS 4	Multiplex Table signalling message set (MT)	B.4	C5.4	
MS 5	Request Multiplex Table signalling message set (RM)	B.5	C5.5	
MS 6	Request Mode message set (MR)	B.6	C5.6	
MS 7	Round Trip Delay message set (RT)	B.7	C5.7	
MS 8	Maintenance Loop message set (ML)	B.8	C5.8	
MS 9	Communication Mode message set (CM)	B.9	O	
MS 10	Conference Request and Response message set (CR)	B.10	O	
MS 11	Multilink message set (MM)	B.11	O	
MS 12	Logical Channel Bit rate Change message set (LB)	B.12	O	
MS 13	Commands message set (CD)	B.13	C5.9	
MS 14	Indications message set (IM)	B.14	C5.9	
Comments:				

C5.1 IF (A.4/EN 1) THEN m ELSE n/a

C5.2 IF (A.4/EN 2) THEN m ELSE n/a

C5.3 IF [(A.4/EN 3) or (A.4/EN 4) or (A.4/EN 5)] THEN m ELSE n/a

C5.4 IF (A.4/EN 6) THEN m ELSE n/a

C5.5 IF (A.4/EN 7) THEN m ELSE n/a

C5.6 IF (A.4/EN 8) THEN m ELSE n/a

C5.7 IF (A.4/EN 9) THEN m ELSE n/a

C5.8 IF (A.4/EN 10) THEN m ELSE n/a

C5.9 IF (A.4/EN 11) THEN m ELSE n/a

## A.6.5 H.245 Procedures

Table A.6: Procedures

Item	Procedure	H.245 Reference	Status	Support
PR 1	MSDSE procedures	C.2.4	C6.1	
PR 2	CESE procedures	C.3.4	C6.2	
PR 3	LCSE procedures	C.4.4	C6.3	
PR 4	B-LCSE procedures	C.5.4	C6.4	
PR 5	CLCSE procedures	C.6.4	C6.5	
PR 6	MTSE procedures	C.7.4	C6.6	
PR 7	RMESE procedures	C.8.4	C6.7	
PR 8	MRSE procedures	C.9.4	C6.8	
PR 9	RTDSE procedures	C.10.4	C6.9	
PR 10	MLSE procedures	C.11.4	C6.10	
Comments:				

C6.1 IF (A.4/EN 1) THEN m ELSE n/a

C6.2 IF (A.4/EN 2) THEN m ELSE n/a

C6.3 IF (A.4/EN 3) THEN m ELSE n/a

C6.4 IF (A.4/EN 4) THEN m ELSE n/a

C6.5 IF (A.4/EN 5) THEN m ELSE n/a

C6.6 IF (A.4/EN 6) THEN m ELSE n/a

C6.7 IF (A.4/EN 7) THEN m ELSE n/a

C6.8 IF (A.4/EN 8) THEN m ELSE n/a

C6.9 IF (A.4/EN 9) THEN m ELSE n/a

C6.10 IF (A.4/EN 10) THEN m ELSE n/a

## A.6.6 Timers for H.245 procedures

Table A.7: Timers for H.245 procedures

Item	Timer	H.245 Reference	Status	Support	Supported value
TI 1	T106 - Master Slave Determination	III.1	C7.1		
TI 2	T101 - Capability Exchange	III.1	C7.2		
TI 3	T103 - Logical Channel Signalling	III.1	C7.3		
TI 4	T108 - Close Logical Channel	III.1	C7.4		
TI 5	T104 - H.223 Multiplex Table	III.1	C7.5		
TI 6	T109 - Mode Request	III.1	C7.6		
TI 7	T105 - Round Trip Delay	III.1	C7.7		
TI 8	T107 - Request Multiplex Entry	III.1	C7.8		
TI 9	T102 - Maintenance Loop	III.1	C7.9		
Comments:					

C7.1 IF (A.6/PR 1) THEN m ELSE n/a

C7.2 IF (A.6/PR 2) THEN m ELSE n/a

C7.3 [IF (A.6/PR 3) or IF (A.6/PR 4)] THEN m ELSE n/a

C7.4 IF (A.6/PR 5) THEN m ELSE n/a

C7.5 IF (A.6/PR 6) THEN m ELSE n/a

C7.6 IF (A.6/PR 8) THEN m ELSE n/a

C7.7 IF (A.6/PR 9) THEN m ELSE n/a

C7.8 IF (A.6/PR 7) THEN m ELSE n/a

C7.9 IF (A.6/PR 10) THEN m ELSE n/a



## A.6.7 Counters for H.245 procedures

**Table A.8: Counters for H.245 procedures**

Item	Counter	H.245 Reference	Status	Support	Supported value
CT 1	N100 - Master Slave Determination	III.2	C8.1		
Comments:					

C8.1 IF (A.6/PR 1) THEN m ELSE n/a

## A.6.8 Primitives and states for H.245 procedures

### A.6.8.1 MSDSE procedures

**Table A.9: Primitives for MSDSE procedures**

Prerequisite: A.6/PR 1					
Item	Primitive	H.245 Reference	Status	Support	
PMD 1	MSDSE DETERMINE request	C.2.2.1	M		
PMD 2	MSDSE DETERMINE indication	C.2.2.1	M		
PMD 3	MSDSE DETERMINE confirm	C.2.2.1	M		
PMD 4	MSDSE REJECT indication	C.2.2.1	M		
PMD 5	MSDSE ERROR indication	C.2.2.1	M		
Comments:					

**Table A.10: States for outgoing MSDSE and for incoming MSDSE**

Prerequisite: A.6/PR 1					
Item	State	H.245 Reference	Status	Support	
SMD 1	State 0: IDLE	C.2.2.4	M		
SMD 2	State 1: OUTGOING AWAITING RESPONSE	C.2.2.4	M		
SMD 3	State 2: INCOMING AWAITING RESPONSE	C.2.2.4	M		
Comments:					

**Table A.11: States Variables for outgoing MSDSE and for incoming MSDSE**

Prerequisite: A.6/PR 1					
Item	State	H.245 Reference	Status	Support	
VMD 1	sv_TT	C.2.3.2	M		
VMD 2	sv_SDNUM	C.2.3.2	M		
VMD 3	sv_STATUS	C.2.3.2	M		
VMD 4	sv_NCOUNT	C.2.3.2	M		
Comments:					

## A.6.8.2 CESE procedures

Table A.12: Primitives for CESE procedures

Prerequisite: A.6/PR 2				
Item	Primitive	H.245 Reference	Status	Support
PCE 1	CESE TRANSFER request	C.3.2.1	M	
PCE 2	CESE TRANSFER indication	C.3.2.1	M	
PCE 3	CESE TRANSFER response	C.3.2.1	M	
PCE 4	CESE TRANSFER confirm	C.3.2.1	M	
PCE 5	CESE REJECT request	C.3.2.1	M	
PCE 6	CESE REJECT indication	C.3.2.1	M	
Comments:				

Table A.13: States for outgoing CESE

Prerequisite: A.6/PR 2				
Item	State	H.245 Reference	Status	Support
OSCE 1	State 0: IDLE	C.3.2.4	M	
OSCE 2	State 1: AWAITING RESPONSE	C.3.2.4	M	
Comments:				

Table A.14: Variables for outgoing CESE

Prerequisite: A.6/PR 2				
Item	State	H.245 Reference	Status	Support
VOSCE 1	out_SQ	C.3.3.2	M	
Comments:				

Table A.15: States for incoming CESE

Prerequisite: A.6/PR 2				
Item	State	H.245 Reference	Status	Support
ISCE 1	State 0: IDLE	C.3.2.4	M	
ISCE 2	State 1: AWAITING RESPONSE	C.3.2.4	M	
Comments:				

Table A.16: Variables for incoming CESE

Prerequisite: A.6/PR 2				
Item	State	H.245 Reference	Status	Support
VISCE 1	in_SQ	C.3.3.2	M	
Comments:				

## A.6.8.3 LCSE procedures

Table A.17: Primitives for LCSE procedures

Prerequisite: A.6/PR 3				
Item	Primitive	H.245 Reference	Status	Support
PLC 1	LCSE ESTABLISH request	C.4.2.1	M	
PLC 2	LCSE ESTABLISH indication	C.4.2.1	M	
PLC 3	LCSE ESTABLISH response	C.4.2.1	M	
PLC 4	LCSE ESTABLISH confirm	C.4.2.1	M	
PLC 5	LCSE RELEASE request	C.4.2.1	M	
PLC 6	LCSE RELEASE indication	C.4.2.1	M	
PLC 7	LCSE RELEASE confirm	C.4.2.1	M	
PLC 8	LCSE ERROR indication	C.4.2.1	M	
Comments:				

Table A.18: States for outgoing LCSE

Prerequisite: A.6/PR 3				
Item	State	H.245 Reference	Status	Support
OSLC 1	State 0: RELEASED	C.4.2.4	M	
OSLC 2	State 1: AWAITING ESTABLISHMENT	C.4.2.4	M	
OSLC 3	State 2: ESTABLISHED	C.4.2.4	M	
OSLC 4	State 3: AWAITING RELEASE	C.4.2.4	M	
Comments:				

Table A.19: Variables for outgoing LCSE

Prerequisite: A.6/PR 3				
Item	State	H.245 Reference	Status	Support
VOSLC 1	out_LCN	C.4.3.2	M	
Comments:				

Table A.20: States for incoming LCSE

Prerequisite: A.6/PR 3				
Item	State	H.245 Reference	Status	Support
ISLC 1	State 0: RELEASED	C.4.2.4	M	
ISLC 2	State 1: AWAITING ESTABLISHMENT	C.4.2.4	M	
ISLC 3	State 2: ESTABLISHED	C.4.2.4	M	
Comments:				

Table A.21: Variables for incoming LCSE

Prerequisite: A.6/PR 3				
Item	State	H.245 Reference	Status	Support
VISLC 1	in_LCN	C.4.3.2	M	
Comments:				

## A.6.8.4 B-LCSE procedures

Table A.22: Primitives for B-LCSE procedures

Prerequisite: A.6/PR 4				
Item	Primitive	H.245 Reference	Status	Support
PBL 1	B-LCSE ESTABLISH request	C.5.2.1	M	
PBL 2	B-LCSE ESTABLISH indication	C.5.2.1	M	
PBL 3	B-LCSE ESTABLISH response	C.5.2.1	M	
PBL 4	B-LCSE ESTABLISH confirm	C.5.2.1	M	
PBL 5	B-LCSE RELEASE request	C.5.2.1	M	
PBL 6	B-LCSE RELEASE indication	C.5.2.1	M	
PBL 7	B-LCSE RELEASE confirm	C.5.2.1	M	
PBL 8	B-LCSE ERROR indication	C.5.2.1	M	
Comments:				

Table A.23: States for outgoing B-LCSE

Prerequisite: A.6/PR 4				
Item	State	H.245 Reference	Status	Support
OSBL 1	State 0: RELEASED	C.5.2.4	M	
OSBL 2	State 1: AWAITING ESTABLISHMENT	C.5.2.4	M	
OSBL 3	State 2: ESTABLISHED	C.5.2.4	M	
OSBL 4	State 3: AWAITING RELEASE	C.5.2.4	M	
Comments:				

Table A.24: Variables for outgoing B-LCSE

Prerequisite: A.6/PR 4				
Item	State	H.245 Reference	Status	Support
VOSBL 1	out_LCN	C.5.3.2	M	
Comments:				

Table A.25: States for incoming B-LCSE

Prerequisite: A.6/PR 4				
Item	State	H.245 Reference	Status	Support
ISBL 1	State 0: RELEASED	C.5.2.4	M	
ISBL 2	State 1: AWAITING ESTABLISHMENT	C.5.2.4	M	
ISBL 3	State 2: AWAITING CONFIRMATION	C.5.2.4	M	
ISBL 4	State 3: ESTABLISHED	C.5.2.4	M	
Comments:				

Table A.26: Variables for incoming B-LCSE

Prerequisite: A.6/PR 4				
Item	State	H.245 Reference	Status	Support
VISBL 1	in_LCN	C.5.3.2	M	
Comments:				

### A.6.8.5 CLCSE procedures

Table A.27: Primitives for CLCSE procedures

Prerequisite: A.6/PR 5				
Item	Primitive	H.245 Reference	Status	Support
PCL 1	CLCSE CLOSE request	C.6.2.1	M	
PCL 2	CLCSE CLOSE indication	C.6.2.1	M	
PCL 3	CLCSE CLOSE response	C.6.2.1	M	
PCL 4	CLCSE CLOSE confirm	C.6.2.1	M	
PCL 5	CLCSE REJECT request	C.6.2.1	M	
PCL 6	CLCSE REJECT indication	C.6.2.1	M	
Comments:				

Table A.28: States for outgoing CLCSE

Prerequisite: A.6/PR 5				
Item	State	H.245 Reference	Status	Support
OSCL 1	State 0: IDLE	C.6.2.4	M	
OSCL 2	State 1: AWAITING RESPONSE	C.6.2.4	M	
Comments:				

Table A.29: Variables for outgoing CLCSE

Prerequisite: A.6/PR 5				
Item	State	H.245 Reference	Status	Support
VOSCL 1	out_LCN	C.6.3.2	M	
Comments:				

Table A.30: States for incoming CLCSE

Prerequisite: A.6/PR 5				
Item	State	H.245 Reference	Status	Support
ISCL 1	State 0: IDLE	C.6.2.4	M	
ISCL 2	State 1: AWAITING RESPONSE	C.6.2.4	M	
Comments:				

Table A.31: Variables for incoming CLCSE

Prerequisite: A.6/PR 5				
Item	State	H.245 Reference	Status	Support
VISCL 1	in_LCN	C.6.3.2	M	
Comments:				

### A.6.8.6 MTSE procedures

Table A.32: Primitives for MTSE procedures

Prerequisite: A.6/PR 6				
Item	Primitive	H.245 Reference	Status	Support
PMT 1	MTSE TRANSFER request	C.7.2.1	M	
PMT 2	MTSE TRANSFER indication	C.7.2.1	M	
PMT 3	MTSE TRANSFER response	C.7.2.1	M	
PMT 4	MTSE TRANSFER confirm	C.7.2.1	M	
PMT 5	MTSE REJECT request	C.7.2.1	M	
PMT 6	MTSE REJECT indication	C.7.2.1	M	
Comments:				

**Table A.33: States for outgoing MTSE**

Prerequisite: A.6/PR 6				
Item	State	H.245 Reference	Status	Support
OSMT 1	State 0: IDLE	C.7.2.4	M	
OSMT 2	State 1: AWAITING RESPONSE	C.7.2.4	M	
Comments:				

**Table A.34: Variables for outgoing MTSE**

Prerequisite: A.6/PR 6				
Item	State	H.245 Reference	Status	Support
VOSMT 1	out_ENUM	C.7.3.2	M	
VOSMT 2	out_SQ	C.7.3.2	M	
Comments:				

**Table A.35: States for incoming MTSE**

Prerequisite: A.6/PR 6				
Item	State	H.245 Reference	Status	Support
ISMT 1	State 0: IDLE	C.7.2.4	M	
ISMT 2	State 1: AWAITING RESPONSE	C.7.2.4	M	
Comments:				

**Table A.36: Variables for incoming MTSE**

Prerequisite: A.6/PR 6				
Item	State	H.245 Reference	Status	Support
VISMT 1	in_ENUM	C.7.3.2	M	
VISMT 2	in_SQ	C.7.3.2	M	
Comments:				

## A.6.8.7 RMESE procedures

Table A.37: Primitives for RMESE procedures

Prerequisite: A.6/PR 7				
Item	Primitive	H.245 Reference	Status	Support
PRM 1	RMESE SEND request	C.8.2.1	M	
PRM 2	RMESE SEND indication	C.8.2.1	M	
PRM 3	RMESE SEND response	C.8.2.1	M	
PRM 4	RMESE SEND confirm	C.8.2.1	M	
PRM 5	RMESE REJECT request	C.8.2.1	M	
PRM 6	RMESE REJECT indication	C.8.2.1	M	
Comments:				

Table A.38: States for outgoing RMESE

Prerequisite: A.6/PR 7				
Item	State	H.245 Reference	Status	Support
OSRM 1	State 0: IDLE	C.8.2.4	M	
OSRM 2	State 1: AWAITING RESPONSE	C.8.2.4	M	
Comments:				

Table A.39: Variables for outgoing RMESE

Prerequisite: A.6/PR 7				
Item	State	H.245 Reference	Status	Support
VOSRM 1	out_ENUM	C.8.3.2	M	
Comments:				

Table A.40: States for incoming RMESE

Prerequisite: A.6/PR 7				
Item	State	H.245 Reference	Status	Support
ISRM 1	State 0: IDLE	C.8.2.4	M	
ISRM 2	State 1: AWAITING RESPONSE	C.8.2.4	M	
Comments:				

Table A.41: Variables for incoming RMESE

Prerequisite: A.6/PR 7				
Item	State	H.245 Reference	Status	Support
VISRM 1	in_ENUM	C.8.3.2	M	
Comments:				



## A.6.8.8 MRSE procedures

Table A.42: Primitives for MRSE procedures

Prerequisite: A.6/PR 8				
Item	Primitive	H.245 Reference	Status	Support
PMR 1	MRSE TRANSFER request	C.9.2.1	M	
PMR 2	MRSE TRANSFER indication	C.9.2.1	M	
PMR 3	MRSE TRANSFER response	C.9.2.1	M	
PMR 4	MRSE TRANSFER confirm	C.9.2.1	M	
PMR 5	MRSE REJECT request	C.9.2.1	M	
PMR 6	MRSE REJECT indication	C.9.2.1	M	
Comments:				

Table A.43: States for outgoing MRSE

Prerequisite: A.6/PR 8				
Item	State	H.245 Reference	Status	Support
OSMR 1	State 0: IDLE	C.9.2.4	M	
OSMR 2	State 1: AWAITING RESPONSE	C.9.2.4	M	
Comments:				

Table A.44: Variables for outgoing MRSE

Prerequisite: A.6/PR 8				
Item	State	H.245 Reference	Status	Support
VOSMR 1	out_SQ	C.9.3.2	M	
Comments:				

Table A.45: States for incoming MRSE

Prerequisite: A.6/PR 8				
Item	State	H.245 Reference	Status	Support
ISMR 1	State 0: IDLE	C.9.2.4	M	
ISMR 2	State 1: AWAITING RESPONSE	C.9.2.4	M	
Comments:				

Table A.46: Variables for incoming MRSE

Prerequisite: A.6/PR 8				
Item	State	H.245 Reference	Status	Support
VISMR 1	in_SQ	C.9.3.2	M	
Comments:				

## A.6.8.9 RTDSE procedures

Table A.47: Primitives for RTDSE procedures

Prerequisite: A.6/PR 9				
Item	Primitive	H.245 Reference	Status	Support
PRT 1	RTDSE TRANSFER request	C.10.2.1	M	
PRT 2	RTDSE TRANSFER confirm	C.10.2.1	M	
PRT 3	RTDSE EXPIRY indication	C.10.2.1	M	
Comments:				

Table A.48: States for outgoing RTDSE and for incoming RTDSE

Prerequisite: A.6/PR 9				
Item	State	H.245 Reference	Status	Support
SRT 1	State 0: IDLE	C.10.2.4	M	
SRT 2	State 1: AWAITING RESPONSE	C.10.2.4	M	
Comments:				

Table A.49: Variables for outgoing RTDSE and for incoming RTDSE

Prerequisite: A.6/PR 9				
Item	State	H.245 Reference	Status	Support
VSRT 1	out_SQ	C.10.3.2	M	
Comments:				

## A.6.8.10 MLSE procedures

Table A.50: Primitives for MLSE procedures

Prerequisite: A.6/PR 10				
Item	Primitive	H.245 Reference	Status	Support
PML 1	MLSE LOOP request	C.11.2.1	M	
PML 2	MLSE LOOP indication	C.11.2.1	M	
PML 3	MLSE LOOP response	C.11.2.1	M	
PML 4	MLSE LOOP confirm	C.11.2.1	M	
PML 5	MLSE RELEASE request	C.11.2.1	M	
PML 6	MLSE RELEASE indication	C.11.2.1	M	
PML 7	MLSE ERROR indication	C.11.2.1	M	
Comments:				

**Table A.51: States for outgoing MLSE**

Prerequisite: A.6/PR 10				
Item	State	H.245 Reference	Status	Support
OSML 1	State 0: NOT LOOPED	C.11.2.4	M	
OSML 2	State 1: AWAITING RESPONSE	C.11.2.4	M	
OSML 3	State 2: LOOPED	C.11.2.4	M	
Comments:				

**Table A.52: Variables for outgoing MLSE**

Prerequisite: A.6/PR 10				
Item	State	H.245 Reference	Status	Support
VOSML 1	out_MLN	C.11.3.2	M	
Comments:				

**Table A.53: States for incoming MLSE**

Prerequisite: A.6/PR 10				
Item	State	H.245 Reference	Status	Support
ISML 1	State 0: NOT LOOPED	C.11.2.4	M	
ISML 2	State 1: AWAITING RESPONSE	C.11.2.4	M	
ISML 3	State 2: LOOPED	C.11.2.4	M	
Comments:				

**Table A.54: Variables for incoming MLSE**

Prerequisite: A.6/PR 10				
Item	State	H.245 Reference	Status	Support
VISML 1	in_MLN	C.11.3.2	M	
VISML 2	in_TYPE	C.11.3.2	M	
Comments:				

## A.6.9 Originating endpoint

### A.6.9.1 Sending

#### A.6.9.1.1 Master slave Determination message set (MD)

**Table A.55: Master slave Determination message set (MD)**

Prerequisite: A.5/MS 1				
Item	Message	H.245 Reference	Status	Support
OTMD 1	Master Slave Determination message	B.1.1	M	
OTMD 2	Master Slave Determination Acknowledge message	B.1.2	M	
OTMD 3	Master Slave Determination Reject message	B.1.3	M	
OTMD 4	Master Slave Determination Release message	B.1.4	M	
Comments:				

#### A.6.9.1.2 Terminal capability message set (CE)

**Table A.56: Terminal capability message set (CE)**

Prerequisite: A.5/MS 2				
Item	Message	H.245 Reference	Status	Support
OTCE 1	Terminal Capability Set message	B.2.2	M	
OTCE 2	Terminal Capability Set Acknowledge message	B.2.3	M	
OTCE 3	Terminal Capability Set Reject message	B.2.4	M	
OTCE 4	Terminal Capability Set Release message	B.2.5	M	
Comments:				

#### A.6.9.1.3 Logical Channel signalling message set (LC)

**Table A.57: Logical Channel signalling message set (LC)**

Prerequisite: A.5/MS 3				
Item	Message	H.245 Reference	Status	Support
OTLC 1	Open Logical Channel message	B.3.1	M	
OTLC 2	Open Logical Channel Acknowledge message	B.3.2	M	
OTLC 3	Open Logical Channel Reject message	B.3.3	M	
OTLC 4	Open Logical Channel Confirm message	B.3.4	M	
OTLC 5	Close Logical Channel message	B.3.5	M	
OTLC 6	Close Logical Channel Acknowledge message	B.3.6	M	
OTLC 7	Request Channel Close message	B.3.7	M	
OTLC 8	Request Channel Close Acknowledge message	B.3.8	M	
OTLC 9	Request Channel Close Reject message	B.3.9	M	
OTLC 10	Request Channel Close Release message	B.3.10	M	
Comments:				

## A.6.9.1.4 Multiplex Table signalling message set (MT)

Table A.58: Multiplex Table signalling message set (MT)

Prerequisite: A.5/MS 4				
Item	Message	H.245 Reference	Status	Support
OTMT 1	Multiplex Entry Send message	B.4.1	M	
OTMT 2	Multiplex Entry Send Acknowledge message	B.4.2	M	
OTMT 3	Multiplex Entry Send Reject message	B.4.3	M	
OTMT 4	Multiplex Entry Send Release message	B.4.4	M	
Comments:				

## A.6.9.1.5 Request multiplex Table signalling message set (RM)

Table A.59: Request multiplex Table signalling message set (RM)

Prerequisite: A.5/MS 5				
Item	Message	H.245 Reference	Status	Support
OTRM 1	Request Multiplex Entry message	B.5.1	M	
OTRM 2	Request Multiplex Entry Acknowledge message	B.5.2	M	
OTRM 3	Request Multiplex Entry Reject message	B.5.3	M	
OTRM 4	Request Multiplex Entry Release message	B.5.4	M	
Comments:				

## A.6.9.1.6 Request Mode message set (MR)

Table A.60: Request Mode message set (MR)

Prerequisite: A.5/MS 6				
Item	Message	H.245 Reference	Status	Support
OTMR 1	Request Mode message	B.6.1	M	
OTMR 2	Request Mode Acknowledge message	B.6.2	M	
OTMR 3	Request Mode Reject message	B.6.3	M	
OTMR 4	Request Mode Release message	B.6.4	M	
Comments:				

## A.6.9.1.7 Round Trip delay message set (RT)

Table A.61: Round Trip delay message set (RT)

Prerequisite: A.5/MS 7				
Item	Message	H.245 Reference	Status	Support
OTRT 1	Round Trip Delay Request message	B.7.1	M	
OTRT 2	Round Trip Delay Response message	B.7.2	M	
Comments:				

## A.6.9.1.8 Maintenance Loop message set (ML)

**Table A.62: Maintenance Loop message set (ML)**

Prerequisite: A.5/MS 8				
Item	Message	H.245 Reference	Status	Support
OTML 1	Maintenance Loop Request message	B.8.1	M	
OTML 2	Maintenance Loop Acknowledge message	B.8.2	M	
OTML 3	Maintenance Loop Reject message	B.8.3	M	
OTML 4	Maintenance Loop Command Off message	B.8.4	M	
Comments:				

## A.6.9.1.9 Communication Mode message set (CM)

**Table A.63: Communication Mode message set (CM)**

Prerequisite: A.5/MS 9				
Item	Message	H.245 Reference	Status	Support
OTCM 1	Communication Mode Command message	B.9.1	M	
OTCM 2	Communication Mode Request message	B.9.2	M	
OTCM 3	Communication Mode Response message	B.9.3	M	
Comments:				

## A.6.9.1.10 Conference Request and response message set (CR)

Table A.64: Conference Request and response message set (CR)

Prerequisite: A.5/MS 10				
Item	Message	H.245 Reference	Status	Support
OTCR 1	Terminal List Request message	B.10.1	M	
OTCR 2	Terminal List Response message	B.10.2	M	
OTCR 3	Make Me Chair message	B.10.3	M	
OTCR 4	Cancel Make Me Chair message	B.10.4	M	
OTCR 5	Make Me Chair Response message	B.10.5	M	
OTCR 6	Drop Terminal message	B.10.6	M	
OTCR 7	Terminal Drop Reject message	B.10.7	M	
OTCR 8	Request Terminal ID message	B.10.8	M	
OTCR 9	MC Terminal ID Response message	B.10.9	M	
OTCR 10	Enter H.243 Password Request message	B.10.10	M	
OTCR 11	Password Response message	B.10.11	M	
OTCR 12	Enter H.243 Terminal ID Request message	B.10.12	M	
OTCR 13	Terminal ID Response message	B.10.13	M	
OTCR 14	Enter H.243 Conference ID Request message	B.10.14	M	
OTCR 15	Conference ID Response message	B.10.15	M	
OTCR 16	Video Command Reject message	B.10.16	M	
OTCR 17	Enter Extension Address Request message	B.10.17	M	
OTCR 18	Extension Address Response message	B.10.18	M	
OTCR 19	Request Chair Control Token Owner message	B.10.19	M	
OTCR 20	Chair Token Owner Response message	B.10.20	M	
OTCR 21	Request Terminal Certificate message	B.10.21	M	
OTCR 22	Terminal Certificate Response message	B.10.22	M	
OTCR 23	Broadcast My Logical Channel message	B.10.23	M	
OTCR 24	Broadcast My Logical Channel Response message	B.10.24	M	
OTCR 25	Make Terminal Broadcaster message	B.10.25	M	
OTCR 26	Make Terminal Broadcaster Response message	B.10.26	M	
OTCR 27	Send This Source message	B.10.27	M	
OTCR 28	Send This Source Response message	B.10.28	M	
OTCR 29	Request All Terminals Ids message	B.10.29	M	
OTCR 30	Request All Terminal Ids Response message	B.10.30	M	
OTCR 31	RemoteMC Request message	B.10.31	M	
OTCR 32	RemoteMC Response message	B.10.32	M	
Comments:				

## A.6.9.1.11 Multilink Message set (MM)

Table A.65: Multilink Message set (MM)

Prerequisite: A.5/MS 11				
Item	Message	H.245 Reference	Status	Support
OTMM 1	callInformation Request and Response message	B.11.1	M	
OTMM 2	addConnection Request and Response message	B.11.2	M	
OTMM 3	removeConnection Request and Response message	B.11.3	M	
OTMM 4	maximumHeaderInterval Request and Response message	B.11.4	M	
OTMM 5	Multilink Indications message	B.11.5	M	
OTMM 6	DialingInformation message	B.11.6	M	
OTMM 7	DialingInformationNumber message	B.11.7	M	
OTMM 8	DialingInformationNetworkType message	B.11.8	M	
OTMM 9	ConnectionIdentifier message	B.11.9	M	
Comments:				

## A.6.9.1.12 Logical channel Bit rate change message set (LB)

Table A.66: Logical channel Bit rate change message set (LB)

Prerequisite: A.5/MS 12				
Item	Message	H.245 Reference	Status	Support
OTLB 1	Logical Channel Rate Request message	B.12.1	M	
OTLB 2	Logical Channel Rate Acknowledge message	B.12.2	M	
OTLB 3	Logical Channel Rate Reject message	B.12.3	M	
OTLB 4	Logical Channel Rate Release message	B.12.4	M	
Comments:				

## A.6.9.1.13 Commands message set (CD)

Table A.67: Commands message set (CD)

Prerequisite: A.5/MS 13				
Item	Message	H.245 Reference	Status	Support
OTCD 1	Send Terminal Capability Set message	B.13.1	M	
OTCD 2	Encryption message	B.13.2	M	
OTCD 3	Flow Control message	B.13.3	M	
OTCD 4	End session message	B.13.4	M	
OTCD 5	Miscellaneous Command message	B.13.5	M	
OTCD 6	Conference Command message	B.13.6	M	
OTCD 7	H.223 Multiplex Reconfiguration message	B.13.7	M	
OTCD 8	New ATM Virtual Channel Command message	B.13.8	M	
OTCD 9	Mobile Multilink Reconfiguration Command message	B.13.9	M	
Comments:				



## A.6.9.1.14 Indications Message set (IM)

Table A.68: Indications Message set (IM)

Prerequisite: A.5/MS 14				
Item	Message	H.245 Reference	Status	Support
OTIM 1	Function Not Understood message	B.14.1	M	
OTIM 2	Miscellaneous Indication message	B.14.2	M	
OTIM 3	Jitter Indication message	B.14.3	M	
OTIM 4	H.223 Skew Indication message	B.14.4	M	
OTIM 5	New ATM Virtual Channel Indication message	B.14.5	M	
OTIM 6	User Input message	B.14.6	M	
OTIM 7	Conference Indications message	B.14.7	M	
OTIM 8	H2250 Maximum Logical Channel Skew message	B.14.8	M	
OTIM 9	MC Location Indication message	B.14.9	M	
OTIM 10	Vendor Identification Indication message	B.14.10	M	
OTIM 11	Function Not Supported message	B.14.11	M	
OTIM 12	Flow Control Indication message	B.14.12	M	
OTIM 13	Mobile Multilink Reconfiguration Indication message	B.14.13	M	
Comments:				

## A.6.9.2 Receiving

## A.6.9.2.1 Master slave Determination message set (MD)

Table A.69: Master slave Determination message set (MD)

Prerequisite: A.5/MS 1				
Item	Message	H.245 Reference	Status	Support
ORMD 1	Master Slave Determination message	B.1.1	M	
ORMD 2	Master Slave Determination Acknowledge message	B.1.2	M	
ORMD 3	Master Slave Determination Reject message	B.1.3	M	
ORMD 4	Master Slave Determination Release message	B.1.4	M	
Comments:				

## A.6.9.2.2 Terminal capability message set (CE)

Table A.70: Terminal capability message set (CE)

Prerequisite: A.5/MS 2				
Item	Message	H.245 Reference	Status	Support
ORCE 1	Terminal Capability Set message	B.2.2	M	
ORCE 2	Terminal Capability Set Acknowledge message	B.2.3	M	
ORCE 3	Terminal Capability Set Reject message	B.2.4	M	
ORCE 4	Terminal Capability Set Release message	B.2.5	M	
Comments:				

## A.6.9.2.3 Logical Channel signalling message set (LC)

**Table A.71: Logical Channel signalling message set (LC)**

Prerequisite: A.5/MS 3				
Item	Message	H.245 Reference	Status	Support
ORLC 1	Open Logical Channel message	B.3.1	M	
ORLC 2	Open Logical Channel Acknowledge message	B.3.2	M	
ORLC 3	Open Logical Channel Reject message	B.3.3	M	
ORLC 4	Open Logical Channel Confirm message	B.3.4	M	
ORLC 5	Close Logical Channel message	B.3.5	M	
ORLC 6	Close Logical Channel Acknowledge message	B.3.6	M	
ORLC 7	Request Channel Close message	B.3.7	M	
ORLC 8	Request Channel Close Acknowledge message	B.3.8	M	
ORLC 9	Request Channel Close Reject message	B.3.9	M	
ORLC 10	Request Channel Close Release message	B.3.10	M	
Comments:				

## A.6.9.2.4 Multiplex Table signalling message set (MT)

**Table A.72: Multiplex Table signalling message set (MT)**

Prerequisite: A.5/MS 4				
Item	Message	H.245 Reference	Status	Support
ORMT 1	Multiplex Entry Send message	B.4.1	M	
ORMT 2	Multiplex Entry Send Acknowledge message	B.4.2	M	
ORMT 3	Multiplex Entry Send Reject message	B.4.3	M	
ORMT 4	Multiplex Entry Send Release message	B.4.4	M	
Comments:				

## A.6.9.2.5 Request Multiplex table signalling message set (RM)

**Table A.73: Request Multiplex table signalling message set (RM)**

Prerequisite: A.5/MS 5				
Item	Message	H.245 Reference	Status	Support
ORRM 1	Request Multiplex Entry message	B.5.1	M	
ORRM 2	Request Multiplex Entry Acknowledge message	B.5.2	M	
ORRM 3	Request Multiplex Entry Reject message	B.5.3	M	
ORRM 4	Request Multiplex Entry Release message	B.5.4	M	
Comments:				

## A.6.9.2.6 Request Mode message set (MR)

Table A.74: Request Mode message set (MR)

Prerequisite: A.5/MS 6				
Item	Message	H.245 Reference	Status	Support
ORMR 1	Request Mode message	B.6.1	M	
ORMR 2	Request Mode Acknowledge message	B.6.2	M	
ORMR 3	Request Mode Reject message	B.6.3	M	
ORMR 4	Request Mode Release message	B.6.4	M	
Comments:				

## A.6.9.2.7 Round Trip delay message set (RT)

Table A.75: Round Trip delay message set (RT)

Prerequisite: A.5/MS 7				
Item	Message	H.245 Reference	Status	Support
ORRT 1	Round Trip Delay Request message	B.7.1	M	
ORRT 2	Round Trip Delay Response message	B.7.2	M	
Comments:				

## A.6.9.2.8 Maintenance Loop message set (ML)

Table A.76: Maintenance Loop message set (ML)

Prerequisite: A.5/MS 8				
Item	Message	H.245 Reference	Status	Support
ORML 1	Maintenance Loop Request message	B.8.1	M	
ORML 2	Maintenance Loop Acknowledge message	B.8.2	M	
ORML 3	Maintenance Loop Reject message	B.8.3	M	
ORML 4	Maintenance Loop Command Off message	B.8.4	M	
Comments:				

## A.6.9.2.9 Communication Mode message set (CM)

Table A.77: Communication Mode message set (CM)

Prerequisite: A.5/MS 9				
Item	Message	H.245 Reference	Status	Support
ORCM 1	Communication Mode Command message	B.9.1	M	
ORCM 2	Communication Mode Request message	B.9.2	M	
ORCM 3	Communication Mode Response message	B.9.3	M	
Comments:				

## A.6.9.2.10 Conference Request and response message set (CR)

Table A.78: Conference Request and response message set (CR)

Prerequisite: A.5/MS 10				
Item	Message	H.245 Reference	Status	Support
ORCR 1	Terminal List Request message	B.10.1	M	
ORCR 2	Terminal List Response message	B.10.2	M	
ORCR 3	Make Me Chair message	B.10.3	M	
ORCR 4	Cancel Make Me Chair message	B.10.4	M	
ORCR 5	Make Me Chair Response message	B.10.5	M	
ORCR 6	Drop Terminal message	B.10.6	M	
ORCR 7	Terminal Drop Reject message	B.10.7	M	
ORCR 8	Request Terminal ID message	B.10.8	M	
ORCR 9	MC Terminal ID Response message	B.10.9	M	
ORCR 10	Enter H.243 Password Request message	B.10.10	M	
ORCR 11	Password Response message	B.10.11	M	
ORCR 12	Enter H.243 Terminal ID Request message	B.10.12	M	
ORCR 13	Terminal ID Response message	B.10.13	M	
ORCR 14	Enter H.243 Conference ID Request message	B.10.14	M	
ORCR 15	Conference ID Response message	B.10.15	M	
ORCR 16	Video Command Reject message	B.10.16	M	
ORCR 17	Enter Extension Address Request message	B.10.17	M	
ORCR 18	Extension Address Response message	B.10.18	M	
ORCR 19	Request Chair Control Token Owner message	B.10.19	M	
ORCR 20	Chair Token Owner Response message	B.10.20	M	
ORCR 21	Request Terminal Certificate message	B.10.21	M	
ORCR 22	Terminal Certificate Response message	B.10.22	M	
ORCR 23	Broadcast My Logical Channel message	B.10.23	M	
ORCR 24	Broadcast My Logical Channel Response message	B.10.24	M	
ORCR 25	Make Terminal Broadcaster message	B.10.25	M	
ORCR 26	Make Terminal Broadcaster Response message	B.10.26	M	
ORCR 27	Send This Source message	B.10.27	M	
ORCR 28	Send This Source Response message	B.10.28	M	
ORCR 29	Request All Terminals Ids message	B.10.29	M	
ORCR 30	Request All Terminal Ids Response message	B.10.30	M	
ORCR 31	RemoteMC Request message	B.10.31	M	
ORCR 32	RemoteMC Response message	B.10.32	M	
Comments:				

## A.6.9.2.11 Multilink Message set (MM)

Table A.79: Multilink Message set (MM)

Prerequisite: A.5/MS 11				
Item	Message	H.245 Reference	Status	Support
ORMM 1	callInformation Request and Response message	B.11.1	M	
ORMM 2	addConnection Request and Response message	B.11.2	M	
ORMM 3	removeConnection Request and Response message	B.11.3	M	
ORMM 4	maximumHeaderInterval Request and Response message	B.11.4	M	
ORMM 5	Multilink Indications message	B.11.5	M	
ORMM 6	DialingInformation message	B.11.6	M	
ORMM 7	DialingInformationNumber message	B.11.7	M	
ORMM 8	DialingInformationNetworkType message	B.11.8	M	
ORMM 9	ConnectionIdentifier message	B.11.9	M	
Comments:				

## A.6.9.2.12 Logical channel Bit rate change message set (LB)

Table A.80: Logical channel Bit rate change message set (LB)

Prerequisite: A.5/MS 12				
Item	Message	H.245 Reference	Status	Support
ORLB 1	Logical Channel Rate Request message	B.12.1	M	
ORLB 2	Logical Channel Rate Acknowledge message	B.12.2	M	
ORLB 3	Logical Channel Rate Reject message	B.12.3	M	
ORLB 4	Logical Channel Rate Release message	B.12.4	M	
Comments:				

## A.6.9.2.13 Commands message set (CD)

Table A.81: Commands message set (CD)

Prerequisite: A.5/MS 13				
Item	Message	H.245 Reference	Status	Support
ORCD 1	Send Terminal Capability Set message	B.13.1	M	
ORCD 2	Encryption message	B.13.2	M	
ORCD 3	Flow Control message	B.13.3	M	
ORCD 4	End session message	B.13.4	M	
ORCD 5	Miscellaneous Command message	B.13.5	M	
ORCD 6	Conference Command message	B.13.6	M	
ORCD 7	H.223 Multiplex Reconfiguration message	B.13.7	M	
ORCD 8	New ATM Virtual Channel Command message	B.13.8	M	
ORCD 9	Mobile Multilink Reconfiguration Command message	B.13.9	M	
Comments:				

## A.6.9.2.14 Indications Message set (IM)

Table A.82: Indications Message set (IM)

Prerequisite: A.5/MS 14				
Item	Message	H.245 Reference	Status	Support
ORIM 1	Function Not Understood message	B.14.1	M	
ORIM 2	Miscellaneous Indication message	B.14.2	M	
ORIM 3	Jitter Indication message	B.14.3	M	
ORIM 4	H.223 Skew Indication message	B.14.4	M	
ORIM 5	New ATM Virtual Channel Indication message	B.14.5	M	
ORIM 6	User Input message	B.14.6	M	
ORIM 7	Conference Indications message	B.14.7	M	
ORIM 8	H2250 Maximum Logical Channel Skew message	B.14.8	M	
ORIM 9	MC Location Indication message	B.14.9	M	
ORIM 10	Vendor Identification Indication message	B.14.10	M	
ORIM 11	Function Not Supported message	B.14.11	M	
ORIM 12	Flow Control Indication message	B.14.12	M	
ORIM 13	Mobile Multilink Reconfiguration Indication message	B.14.13	M	
Comments:				

## A.6.9.3 Message content

## A.6.9.3.1 Terminal Capability Set

Table A.83: Terminal Capability Set message

Prerequisite: A.5/MS 2				
Item	Terminal Capability Set message	C1 Status	C2 Status	Support
OTCE1 1	sequenceNumber	M	M	
OTCE1 2	protocolIdentifier	M	M	
OTCE1 3	multiplexCapability	M	M	
OTCE1 4	capabilityTable	O	O	
OTCE1 5	capabilityDescriptors	O	O	
Comments:				

## A.6.9.3.2 Terminal Capability Set Acknowledge

Table A.84: Terminal Capability Set Acknowledge message

Prerequisite: A.5/MS 2				
Item	Terminal Capability Set Acknowledge message	C1 Status	C2 Status	Support
OTCE2 1	sequenceNumber	M	M	
Comments:				

## A.6.9.3.3 Terminal Capability Set Reject

Table A.85: Terminal Capability Set Reject message

Prerequisite: A.5/MS 2				
Item	Terminal Capability Set Reject message	C1 Status	C2 Status	Support
OTCE3 1	sequenceNumber	M	M	
OTCE3 2	cause	M	M	
Comments:				

## A.6.9.3.4 Open Logical Channel

Table A.86: Open Logical Channel message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel message	C1 Status	C2 Status	Support
OTLC1 1	forwardLogicalChannelNumber	M	M	
OTLC1 2	forwardLogicalChannelParameters	M	M	
OTLC1 3	reverseLogicalChannelParameters	O	O	
OTLC1 4	separateStack	O	O	
OTLC1 5	encryptionSync	O	O	
Comments:				

## A.6.9.3.5 Open Logical Channel Acknowledge

Table A.87: Open Logical Channel Acknowledge message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel Acknowledge message	C1 Status	C2 Status	Support
OTLC2 1	forwardLogicalChannelNumber	M	M	
OTLC2 2	reverseLogicalChannelParameters	O	O	
OTLC2 3	separateStack	O	O	
OTLC2 4	encryptionSync	O	O	
Comments:				

## A.6.9.3.6 Open Logical Channel Reject

Table A.88: Open Logical Channel Reject message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel Reject message	C1 Status	C2 Status	Support
OTLC3 1	forwardLogicalChannelNumber	M	M	
OTLC3 2	cause	M	M	
Comments:				

## A.6.9.3.7 Open Logical Channel Confirm

Table A.89: Open Logical Channel Confirm message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel Confirm message	C1 Status	C2 Status	Support
OTLC4 1	forwardLogicalChannelNumber	M	M	
Comments:				

## A.6.9.3.8 Close Logical Channel

Table A.90: Close Logical Channel message

Prerequisite: A.5/MS 3				
Item	Close Logical Channel message	C1 Status	C2 Status	Support
OTLC5 1	forwardLogicalChannelNumber	M	M	
OTLC5 2	source	M	M	
OTLC5 3	reason	M	M	
Comments:				

## A.6.9.3.9 Close Logical Channel Acknowledge

Table A.91: Close Logical Channel Acknowledge message

Prerequisite: A.5/MS 3				
Item	Close Logical Channel Acknowledge message	C1 Status	C2 Status	Support
OTLC6 1	forwardLogicalChannelNumber	M	M	
Comments:				

## A.6.9.3.10 Request mode

Table A.92: Request Mode message

Prerequisite: A.5/MS 6				
Item	Request Mode message	C1 Status	C2 Status	Support
OTMR1 1	sequenceNumber	M	M	
OTMR1 2	requestedModes	M	M	
Comments:				



## A.6.9.3.11 Request Mode Acknowledge

Table A.93: Request Mode Acknowledge message

Prerequisite: A.5/MS 6				
Item	Request Mode Acknowledge message	C1 Status	C2 Status	Support
OTMR2 1	sequenceNumber	M	M	
OTMR2 2	response	M	M	
Comments:				

## A.6.9.3.12 Request Mode Reject

Table A.94: Request Mode Reject message

Prerequisite: A.5/MS 6				
Item	Request Mode Reject message	C1 Status	C2 Status	Support
OTMR3 1	sequenceNumber	M	M	
OTMR3 2	cause	M	M	
Comments:				

## A.6.10 Terminating endpoint

## A.6.10.1 Sending

## A.6.10.1.1 Master slave Determination message set (MD)

Table A.95: Master slave Determination message set (MD)

Prerequisite: A.5/MS 1				
Item	Message	H.245 Reference	Status	Support
TTMD 1	Master Slave Determination message	B.1.1	M	
TTMD 2	Master Slave Determination Acknowledge message	B.1.2	M	
TTMD 3	Master Slave Determination Reject message	B.1.3	M	
TTMD 4	Master Slave Determination Release message	B.1.4	M	
Comments:				

## A.6.10.1.2 Terminal capability message set (CE)

Table A.96: Terminal capability message set (CE)

Prerequisite: A.5/MS 2				
Item	Message	H.245 Reference	Status	Support
TTCE 1	Terminal Capability Set message	B.2.2	M	
TTCE 2	Terminal Capability Set Acknowledge message	B.2.3	M	
TTCE 3	Terminal Capability Set Reject message	B.2.4	M	
TTCE 4	Terminal Capability Set Release message	B.2.5	M	
Comments:				

## A.6.10.1.3 Logical Channel signalling message set (LC)

Table A.97: Logical Channel signalling message set (LC)

Prerequisite: A.5/MS 3				
Item	Message	H.245 Reference	Status	Support
TTLC 1	Open Logical Channel message	B.3.1	M	
TTLC 2	Open Logical Channel Acknowledge message	B.3.2	M	
TTLC 3	Open Logical Channel Reject message	B.3.3	M	
TTLC 4	Open Logical Channel Confirm message	B.3.4	M	
TTLC 5	Close Logical Channel message	B.3.5	M	
TTLC 6	Close Logical Channel Acknowledge message	B.3.6	M	
TTLC 7	Request Channel Close message	B.3.7	M	
TTLC 8	Request Channel Close Acknowledge message	B.3.8	M	
TTLC 9	Request Channel Close Reject message	B.3.9	M	
TTLC 10	Request Channel Close Release message	B.3.10	M	
Comments:				

## A.6.10.1.4 Multiplex Table signalling message set (MT)

Table A.98: Multiplex Table signalling message set (MT)

Prerequisite: A.5/MS 4				
Item	Message	H.245 Reference	Status	Support
TTMT 1	Multiplex Entry Send message	B.4.1	M	
TTMT 2	Multiplex Entry Send Acknowledge message	B.4.2	M	
TTMT 3	Multiplex Entry Send Reject message	B.4.3	M	
TTMT 4	Multiplex Entry Send Release message	B.4.4	M	
Comments:				

## A.6.10.1.5 Request Multiplex table signalling message set (RM)

Table A.99: Request Multiplex table signalling message set (RM)

Prerequisite: A.5/MS 5				
Item	Message	H.245 Reference	Status	Support
TTRM 1	Request Multiplex Entry message	B.5.1	M	
TTRM 2	Request Multiplex Entry Acknowledge message	B.5.2	M	
TTRM 3	Request Multiplex Entry Reject message	B.5.3	M	
TTRM 4	Request Multiplex Entry Release message	B.5.4	M	
Comments:				

## A.6.10.1.6 Request Mode message set (MR)

Table A.100: Request Mode message set (MR)

Prerequisite: A.5/MS 6				
Item	Message	H.245 Reference	Status	Support
TTMR 1	Request Mode message	B.6.1	M	
TTMR 2	Request Mode Acknowledge message	B.6.2	M	
TTMR 3	Request Mode Reject message	B.6.3	M	
TTMR 4	Request Mode Release message	B.6.4	M	
Comments:				

## A.6.10.1.7 Round Trip delay message set (RT)

Table A.101: Round Trip delay message set (RT)

Prerequisite: A.5/MS 7				
Item	Message	H.245 Reference	Status	Support
TTRT 1	Round Trip Delay Request message	B.7.1	M	
TTRT 2	Round Trip Delay Response message	B.7.2	M	
Comments:				

## A.6.10.1.8 Maintenance Loop message set (ML)

Table A.102: Maintenance Loop message set (ML)

Prerequisite: A.5/MS 8				
Item	Message	H.245 Reference	Status	Support
TTML 1	Maintenance Loop Request message	B.8.1	M	
TTML 2	Maintenance Loop Acknowledge message	B.8.2	M	
TTML 3	Maintenance Loop Reject message	B.8.3	M	
TTML 4	Maintenance Loop Command Off message	B.8.4	M	
Comments:				

## A.6.10.1.9 Communication Mode message set (CM)

Table A.103: Communication Mode message set (CM)

Prerequisite: A.5/MS 9				
Item	Message	H.245 Reference	Status	Support
TTCM 1	Communication Mode Command message	B.9.1	M	
TTCM 2	Communication Mode Request message	B.9.2	M	
TTCM 3	Communication Mode Response message	B.9.3	M	
Comments:				

## A.6.10.1.10 Conference Request and response message set (CR)

Table A.104: Conference Request and response message set (CR)

Prerequisite: A.5/MS 10				
Item	Message	H.245 Reference	Status	Support
TTCR 1	Terminal List Request message	B.10.1	M	
TTCR 2	Terminal List Response message	B.10.2	M	
TTCR 3	Make Me Chair message	B.10.3	M	
TTCR 4	Cancel Make Me Chair message	B.10.4	M	
TTCR 5	Make Me Chair Response message	B.10.5	M	
TTCR 6	Drop Terminal message	B.10.6	M	
TTCR 7	Terminal Drop Reject message	B.10.7	M	
TTCR 8	Request Terminal ID message	B.10.8	M	
TTCR 9	MC Terminal ID Response message	B.10.9	M	
TTCR 10	Enter H.243 Password Request message	B.10.10	M	
TTCR 11	Password Response message	B.10.11	M	
TTCR 12	Enter H.243 Terminal ID Request message	B.10.12	M	
TTCR 13	Terminal ID Response message	B.10.13	M	
TTCR 14	Enter H.243 Conference ID Request message	B.10.14	M	
TTCR 15	Conference ID Response message	B.10.15	M	
TTCR 16	Video Command Reject message	B.10.16	M	
TTCR 17	Enter Extension Address Request message	B.10.17	M	
TTCR 18	Extension Address Response message	B.10.18	M	
TTCR 19	Request Chair Control Token Owner message	B.10.19	M	
TTCR 20	Chair Token Owner Response message	B.10.20	M	
TTCR 21	Request Terminal Certificate message	B.10.21	M	
TTCR 22	Terminal Certificate Response message	B.10.22	M	
TTCR 23	Broadcast My Logical Channel message	B.10.23	M	
TTCR 24	Broadcast My Logical Channel Response message	B.10.24	M	
TTCR 25	Make Terminal Broadcaster message	B.10.25	M	
TTCR 26	Make Terminal Broadcaster Response message	B.10.26	M	
TTCR 27	Send This Source message	B.10.27	M	
TTCR 28	Send This Source Response message	B.10.28	M	
TTCR 29	Request All Terminals Ids message	B.10.29	M	
TTCR 30	Request All Terminal Ids Response message	B.10.30	M	
TTCR 31	RemoteMC Request message	B.10.31	M	
TTCR 32	RemoteMC Response message	B.10.32	M	
Comments:				

## A.6.10.1.11 Multilink Message set (MM)

Table A.105: Multilink Message set (MM)

Prerequisite: A.5/MS 11				
Item	Message	H.245 Reference	Status	Support
TTMM 1	callInformation Request and Response message	B.11.1	M	
TTMM 2	addConnection Request and Response message	B.11.2	M	
TTMM 3	removeConnection Request and Response message	B.11.3	M	
TTMM 4	maximumHeaderInterval Request and Response message	B.11.4	M	
TTMM 5	Multilink Indications message	B.11.5	M	
TTMM 6	DialingInformation message	B.11.6	M	
TTMM 7	DialingInformationNumber message	B.11.7	M	
TTMM 8	DialingInformationNetworkType message	B.11.8	M	
TTMM 9	ConnectionIdentifier message	B.11.9	M	
Comments:				

## A.6.10.1.12 Logical channel Bit rate change message set (LB)

Table A.106: Logical channel Bit rate change message set (LB)

Prerequisite: A.5/MS 12				
Item	Message	H.245 Reference	Status	Support
TTLB 1	Logical Channel Rate Request message	B.12.1	M	
TTLB 2	Logical Channel Rate Acknowledge message	B.12.2	M	
TTLB 3	Logical Channel Rate Reject message	B.12.3	M	
TTLB 4	Logical Channel Rate Release message	B.12.4	M	
Comments:				

## A.6.10.1.13 Commands message set (CD)

Table A.107: Commands message set (CD)

Prerequisite: A.5/MS 13				
Item	Message	H.245 Reference	Status	Support
TTCD 1	Send Terminal Capability Set message	B.13.1	M	
TTCD 2	Encryption message	B.13.2	M	
TTCD 3	Flow Control message	B.13.3	M	
TTCD 4	End session message	B.13.4	M	
TTCD 5	Miscellaneous Command message	B.13.5	M	
TTCD 6	Conference Command message	B.13.6	M	
TTCD 7	H.223 Multiplex Reconfiguration message	B.13.7	M	
TTCD 8	New ATM Virtual Channel Command message	B.13.8	M	
TTCD 9	Mobile Multilink Reconfiguration Command message	B.13.9	M	
Comments:				

## A.6.10.1.14 Indications Message set (IM)

Table A.108: Indications Message set (IM)

Prerequisite: A.5/MS 14				
Item	Message	H.245 Reference	Status	Support
TTIM 1	Function Not Understood message	B.14.1	M	
TTIM 2	Miscellaneous Indication message	B.14.2	M	
TTIM 3	Jitter Indication message	B.14.3	M	
TTIM 4	H.223 Skew Indication message	B.14.4	M	
TTIM 5	New ATM Virtual Channel Indication message	B.14.5	M	
TTIM 6	User Input message	B.14.6	M	
TTIM 7	Conference Indications message	B.14.7	M	
TTIM 8	H2250 Maximum Logical Channel Skew message	B.14.8	M	
TTIM 9	MC Location Indication message	B.14.9	M	
TTIM 10	Vendor Identification Indication message	B.14.10	M	
TTIM 11	Function Not Supported message	B.14.11	M	
TTIM 12	Flow Control Indication message	B.14.12	M	
TTIM 13	Mobile Multilink Reconfiguration Indication message	B.14.13	M	
Comments:				

## A.6.10.2 Receiving

## A.6.10.2.1 Master slave Determination message set (MD)

Table A.109: Master slave Determination message set (MD)

Prerequisite: A.5/MS 1				
Item	Message	H.245 Reference	Status	Support
TRMD 1	Master Slave Determination message	B.1.1	M	
TRMD 2	Master Slave Determination Acknowledge message	B.1.2	M	
TRMD 3	Master Slave Determination Reject message	B.1.3	M	
TRMD 4	Master Slave Determination Release message	B.1.4	M	
Comments:				

## A.6.10.2.2 Terminal capability message set (CE)

Table A.110: Terminal capability message set (CE)

Prerequisite: A.5/MS 2				
Item	Message	H.245 Reference	Status	Support
TRCE 1	Terminal Capability Set message	B.2.2	M	
TRCE 2	Terminal Capability Set Acknowledge message	B.2.3	M	
TRCE 3	Terminal Capability Set Reject message	B.2.4	M	
TRCE 4	Terminal Capability Set Release message	B.2.5	M	
Comments:				

## A.6.10.2.3 Logical Channel signalling message set (LC)

Table A.111: Logical Channel signalling message set (LC)

Prerequisite: A.5/MS 3				
Item	Message	H.245 Reference	Status	Support
TRLC 1	Open Logical Channel message	B.3.1	M	
TRLC 2	Open Logical Channel Acknowledge message	B.3.2	M	
TRLC 3	Open Logical Channel Reject message	B.3.3	M	
TRLC 4	Open Logical Channel Confirm message	B.3.4	M	
TRLC 5	Close Logical Channel message	B.3.5	M	
TRLC 6	Close Logical Channel Acknowledge message	B.3.6	M	
TRLC 7	Request Channel Close message	B.3.7	M	
TRLC 8	Request Channel Close Acknowledge message	B.3.8	M	
TRLC 9	Request Channel Close Reject message	B.3.9	M	
TRLC 10	Request Channel Close Release message	B.3.10	M	
Comments:				

## A.6.10.2.4 Multiplex Table signalling message set (MT)

Table A.112: Multiplex Table signalling message set (MT)

Prerequisite: A.5/MS 4				
Item	Message	H.245 Reference	Status	Support
TRMT 1	Multiplex Entry Send message	B.4.1	M	
TRMT 2	Multiplex Entry Send Acknowledge message	B.4.2	M	
TRMT 3	Multiplex Entry Send Reject message	B.4.3	M	
TRMT 4	Multiplex Entry Send Release message	B.4.4	M	
Comments:				

## A.6.10.2.5 Request Multiplex table signalling message set (RM)

Table A.113: Request Multiplex table signalling message set (RM)

Prerequisite: A.5/MS 5				
Item	Message	H.245 Reference	Status	Support
TRRM 1	Request Multiplex Entry message	B.5.1	M	
TRRM 2	Request Multiplex Entry Acknowledge message	B.5.2	M	
TRRM 3	Request Multiplex Entry Reject message	B.5.3	M	
TRRM 4	Request Multiplex Entry Release message	B.5.4	M	
Comments:				



## A.6.10.2.6 Request Mode message set (MR)

Table A.114: Request Mode message set (MR)

Prerequisite: A.5/MS 6				
Item	Message	H.245 Reference	Status	Support
TRMR 1	Request Mode message	B.6.1	M	
TRMR 2	Request Mode Acknowledge message	B.6.2	M	
TRMR 3	Request Mode Reject message	B.6.3	M	
TRMR 4	Request Mode Release message	B.6.4	M	
Comments:				

## A.6.10.2.7 Round Trip delay message set (RT)

Table A.115: Round Trip delay message set (RT)

Prerequisite: A.5/MS 7				
Item	Message	H.245 Reference	Status	Support
TRRT 1	Round Trip Delay Request message	B.7.1	M	
TRRT 2	Round Trip Delay Response message	B.7.2	M	
Comments:				

## A.6.10.2.8 Maintenance Loop message set (ML)

Table A.116: Maintenance Loop message set (ML)

Prerequisite: A.5/MS 8				
Item	Message	H.245 Reference	Status	Support
TRML 1	Maintenance Loop Request message	B.8.1	M	
TRML 2	Maintenance Loop Acknowledge message	B.8.2	M	
TRML 3	Maintenance Loop Reject message	B.8.3	M	
TRML 4	Maintenance Loop Command Off message	B.8.4	M	
Comments:				

## A.6.10.2.9 Communication Mode message set (CM)

Table A.117: Communication Mode message set (CM)

Prerequisite: A.5/MS 9				
Item	Message	H.245 Reference	Status	Support
TRCM 1	Communication Mode Command message	B.9.1	M	
TRCM 2	Communication Mode Request message	B.9.2	M	
TRCM 3	Communication Mode Response message	B.9.3	M	
Comments:				

## A.6.10.2.10 Conference Request and response message set (CR)

Table A.118: Conference Request and response message set (CR)

Prerequisite: A.5/MS 10				
Item	Message	H.245 Reference	Status	Support
TRCR 1	Terminal List Request message	B.10.1	M	
TRCR 2	Terminal List Response message	B.10.2	M	
TRCR 3	Make Me Chair message	B.10.3	M	
TRCR 4	Cancel Make Me Chair message	B.10.4	M	
TRCR 5	Make Me Chair Response message	B.10.5	M	
TRCR 6	Drop Terminal message	B.10.6	M	
TRCR 7	Terminal Drop Reject message	B.10.7	M	
TRCR 8	Request Terminal ID message	B.10.8	M	
TRCR 9	MC Terminal ID Response message	B.10.9	M	
TRCR 10	Enter H.243 Password Request message	B.10.10	M	
TRCR 11	Password Response message	B.10.11	M	
TRCR 12	Enter H.243 Terminal ID Request message	B.10.12	M	
TRCR 13	Terminal ID Response message	B.10.13	M	
TRCR 14	Enter H.243 Conference ID Request message	B.10.14	M	
TRCR 15	Conference ID Response message	B.10.15	M	
TRCR 16	Video Command Reject message	B.10.16	M	
TRCR 17	Enter Extension Address Request message	B.10.17	M	
TRCR 18	Extension Address Response message	B.10.18	M	
TRCR 19	Request Chair Control Token Owner message	B.10.19	M	
TRCR 20	Chair Token Owner Response message	B.10.20	M	
TRCR 21	Request Terminal Certificate message	B.10.21	M	
TRCR 22	Terminal Certificate Response message	B.10.22	M	
TRCR 23	Broadcast My Logical Channel message	B.10.23	M	
TRCR 24	Broadcast My Logical Channel Response message	B.10.24	M	
TRCR 25	Make Terminal Broadcaster message	B.10.25	M	
TRCR 26	Make Terminal Broadcaster Response message	B.10.26	M	
TRCR 27	Send This Source message	B.10.27	M	
TRCR 28	Send This Source Response message	B.10.28	M	
TRCR 29	Request All Terminals Ids message	B.10.29	M	
TRCR 30	Request All Terminal Ids Response message	B.10.30	M	
TRCR 31	RemoteMC Request message	B.10.31	M	
TRCR 32	RemoteMC Response message	B.10.32	M	
Comments:				

## A.6.10.2.11 Multilink Message set (MM)

**Table A.119: Multilink Message set (MM)**

Prerequisite: A.5/MS 11				
Item	Message	H.245 Reference	Status	Support
TRMM 1	callInformation Request and Response message	B.11.1	M	
TRMM 2	addConnection Request and Response message	B.11.2	M	
TRMM 3	removeConnection Request and Response message	B.11.3	M	
TRMM 4	maximumHeaderInterval Request and Response message	B.11.4	M	
TRMM 5	Multilink Indications message	B.11.5	M	
TRMM 6	DialingInformation message	B.11.6	M	
TRMM 7	DialingInformationNumber message	B.11.7	M	
TRMM 8	DialingInformationNetworkType message	B.11.8	M	
TRMM 9	ConnectionIdentifier message	B.11.9	M	
Comments:				

## A.6.10.2.12 Logical channel Bit rate change message set (LB)

**Table A.120: Logical channel Bit rate change message set (LB)**

Prerequisite: A.5/MS 12				
Item	Message	H.245 Reference	Status	Support
TRLB 1	Logical Channel Rate Request message	B.12.1	M	
TRLB 2	Logical Channel Rate Acknowledge message	B.12.2	M	
TRLB 3	Logical Channel Rate Reject message	B.12.3	M	
TRLB 4	Logical Channel Rate Release message	B.12.4	M	
Comments:				

## A.6.10.2.13 Commands message set (CD)

**Table A.121: Commands message set (CD)**

Prerequisite: A.5/MS 13				
Item	Message	H.245 Reference	Status	Support
TRCD 1	Send Terminal Capability Set message	B.13.1	M	
TRCD 2	Encryption message	B.13.2	M	
TRCD 3	Flow Control message	B.13.3	M	
TRCD 4	End session message	B.13.4	M	
TRCD 5	Miscellaneous Command message	B.13.5	M	
TRCD 6	Conference Command message	B.13.6	M	
TRCD 7	H.223 Multiplex Reconfiguration message	B.13.7	M	
TRCD 8	New ATM Virtual Channel Command message	B.13.8	M	
TRCD 9	Mobile Multilink Reconfiguration Command message	B.13.9	M	
Comments:				

## A.6.10.2.14 Indications Message set (IM)

Table A.122: Indications Message set (IM)

Prerequisite: A.5/MS 14				
Item	Message	H.245 Reference	Status	Support
TRIM 1	Function Not Understood message	B.14.1	M	
TRIM 2	Miscellaneous Indication message	B.14.2	M	
TRIM 3	Jitter Indication message	B.14.3	M	
TRIM 4	H.223 Skew Indication message	B.14.4	M	
TRIM 5	New ATM Virtual Channel Indication message	B.14.5	M	
TRIM 6	User Input message	B.14.6	M	
TRIM 7	Conference Indications message	B.14.7	M	
TRIM 8	H2250 Maximum Logical Channel Skew message	B.14.8	M	
TRIM 9	MC Location Indication message	B.14.9	M	
TRIM 10	Vendor Identification Indication message	B.14.10	M	
TRIM 11	Function Not Supported message	B.14.11	M	
TRIM 12	Flow Control Indication message	B.14.12	M	
TRIM 13	Mobile Multilink Reconfiguration Indication message	B.14.13	M	
Comments:				

## A.6.10.3 Message content

## A.6.10.3.1 Terminal Capability Set

Table A.123: Terminal Capability Set message

Prerequisite: A.5/MS 2				
Item	Terminal Capability Set message	C1 Status	C2 Status	Support
TRCE1 1	sequenceNumber	M	M	
TRCE1 2	protocolIdentifier	M	M	
TRCE1 3	multiplexCapability	M	M	
TRCE1 4	capabilityTable	O	O	
TRCE1 5	capabilityDescriptors	O	O	
Comments:				

## A.6.10.3.2 Terminal Capability Set Acknowledge

Table A.124: Terminal Capability Set Acknowledge message

Prerequisite: A.5/MS 2				
Item	Terminal Capability Set Acknowledge message	C1 Status	C2 Status	Support
TRCE2 1	sequenceNumber	M	M	
Comments:				

## A.6.10.3.3 Terminal Capability Set Reject

Table A.125: Terminal Capability Set Reject message

Prerequisite: A.5/MS 2				
Item	Terminal Capability Set Reject message	C1 Status	C2 Status	Support
TRCE3 1	sequenceNumber	M	M	
TRCE3 2	cause	M	M	
Comments:				

## A.6.10.3.4 Open Logical Channel

Table A.126: Open Logical Channel message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel message	C1 Status	C2 Status	Support
TRLC1 1	forwardLogicalChannelNumber	M	M	
TRLC1 2	forwardLogicalChannelParameters	M	M	
TRLC1 3	reverseLogicalChannelParameters	O	O	
TRLC1 4	separateStack	O	O	
TRLC1 5	encryptionSync	O	O	
Comments:				

## A.6.10.3.5 Open Logical Channel Acknowledge

Table A.127: Open Logical Channel Acknowledge message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel Acknowledge message	C1 Status	C2 Status	Support
TRLC2 1	forwardLogicalChannelNumber	M	M	
TRLC2 2	reverseLogicalChannelParameters	O	O	
TRLC2 3	separateStack	O	O	
TRLC2 4	encryptionSync	O	O	
Comments:				

## A.6.10.3.6 Open Logical Channel Reject

Table A.128: Open Logical Channel Reject message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel Reject message	C1 Status	C2 Status	Support
TRLC3 1	forwardLogicalChannelNumber	M	M	
TRLC3 2	cause	M	M	
Comments:				

## A.6.10.3.7 Open Logical Channel Confirm

Table A.129: Open Logical Channel Confirm message

Prerequisite: A.5/MS 3				
Item	Open Logical Channel Confirm message	C1 Status	C2 Status	Support
TRLC4 1	forwardLogicalChannelNumber	M	M	
Comments:				

## A.6.10.3.8 Close Logical Channel

Table A.130: Close Logical Channel message

Prerequisite: A.5/MS 3				
Item	Close Logical Channel message	C1 Status	C2 Status	Support
TRLC5 1	forwardLogicalChannelNumber	M	M	
TRLC5 2	source	M	M	
TRLC5 3	reason	M	M	
Comments:				

## A.6.10.3.9 Close Logical Channel Acknowledge

Table A.131: Close Logical Channel Acknowledge message

Prerequisite: A.5/MS 3				
Item	Close Logical Channel Acknowledge message	C1 Status	C2 Status	Support
TRLC6 1	forwardLogicalChannelNumber	M	M	
Comments:				

## A.6.10.3.10 Request mode

Table A.132: Request Mode message

Prerequisite: A.5/MS 6				
Item	Request Mode message	C1 Status	C2 Status	Support
TRMR1 1	sequenceNumber	M	M	
TRMR1 2	requestedModes	M	M	
Comments:				

## A.6.10.3.11 Request Mode Acknowledge

Table A.133: Request Mode Acknowledge message

Prerequisite: A.5/MS 6				
Item	Request Mode Acknowledge message	C1 Status	C2 Status	Support
TRMR2 1	sequenceNumber	M	M	
TRMR2 2	response	M	M	
Comments:				

## A.6.10.3.12 Request Mode Reject

Table A.134: Request Mode Reject message

Prerequisite: A.5/MS 6				
Item	Request Mode Reject message	C1 Status	C2 Status	Support
TRMR3 1	sequenceNumber	M	M	
TRMR3 2	cause	M	M	
Comments:				

---

## History

<b>Document history</b>		
V1.1.1	January 2002	Publication