ETSI

EUROPEAN
TELECOMMUNICATION
STANDARD

DRAFT

pr ETS 300 008-2

September 1996

Source: ETSI TC-SPS

Reference: DE/SPS-02019

ICS: 33.080

Key words: ISDN, MTP, PICS, SS7

Integrated Services Digital Network (ISDN);
Signalling System No.7;
Message Transfer Part (MTP) to support
international interconnection;
Part 2: Protocol Implementation Conformance Statement (PICS)
proforma specification

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE
Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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

Contents

Blank page

Foreword

This draft European Telecommunication Standard (ETS) has been produced by the Signalling Protocol and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Public Enquiry phase of the ETSI standards approval procedure.

This ETS is based on contributions by the CEC WAN CTS4-SS7 (Commission of the European Community Wide Area Networks Conformance Testing Service For Common Channel Signalling CCITT No.7) project group.

This ETS is part 2 of a multi-part standard covering the Signalling System No.7 Message Transfer Part (MTP) to support international interconnection as described below:

Part 1: "Protocol specification [ITU-T Recommendations Q.701 (1993), Q.702 (1988), Q.703 to Q.706 (1993), Q.707 (1988) and Q.708 (1993), modified]";

Part 2: **"Protocol Implementation Conformance Statement (PICS) proforma specification";**

Part 3: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification".

Proposed transposition dates	
Date of latest announcement of this ETS (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

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 a Protocol Implementation Conformance Statement (PICS).

Blank page

1   Scope

This European Telecommunication Standard (ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for the Message Transfer Part (MTP) defined in ETS 300 008-1 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [4] and ETS 300 406 [2].

2   Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1]   ETS 300 008-1 (1996): "Integrated Services Digital Network (ISDN); Signalling System No.7; Message Transfer Part (MTP) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.701 (1993), Q.702 (1988), Q.703 to Q.706 (1993), Q.707 (1988) and Q.708 (1993), modified]".

[2]   ETS 300 406 (1995): "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

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

[4]   ISO/IEC 9646-7 (1995): "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3   Definitions and abbreviations

3.1   Definitions

For the purposes of this ETS, the following definitions apply:

-       terms defined in ETS 300 008-1 [1];
-       terms defined in ISO/IEC 9646-1 [3] and in ISO/IEC 9646-7 [4].

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

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

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

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

3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
MTP	Message Transfer Part
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 this ETS, 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 this ETS 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 ETS 300 008-1

Notwithstanding the provisions of the copyright clause related to the text of this ETS, ETSI grants that users of this ETS 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 ETS 300 008-1 [1] may provide information about the implementation in a standardized manner.

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

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the ETS;
- global statement of conformance;
- 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 ISO/IEC 9646-7 [4].

Item column

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

Item description column

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

Status column

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

m   mandatory - the capability is required to be supported

o   optional - the capability may be supported or not

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

o.i   qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table

ci   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 an unique conditional status expression which is defined immediately following the table

Reference column

The reference column makes reference to ETS 300 008-1 [1], except where explicitly stated otherwise.

Support column

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

Y or y   supported by the implementation

N or n   not supported by the implementation

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

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

EXAMPLE: ?3:   IF prof1 THEN Y ELSE N

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

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

Values allowed column

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

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

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

Prerequisite line

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

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

A.1.3   Instructions for completing the PICS proforma

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

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

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

A.2   Identification of the implementation

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

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

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

A.2.1   Date of the statement

....

A.2.2   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   Identification of the ETS

This PICS proforma applies to the following standard:

ETS 300 008-1 (1996): "Integrated Services Digital Network (ISDN); Signalling System No.7; Message Transfer Part (MTP) to support international interconnection; Part 1: Protocol specification [ITU-T Recommendations Q.701 (1993), Q.702 (1988), Q.703 to Q.706 (1993), Q.707 (1988) and Q.708 (1993), modified]".

A.4   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.5   Capabilities

This clause contains the core of the PICS proforma for the MTP protocol, as specified in the ITU-T Recommendations, or ETS 300 008-1 [1] where this modifies the equivalent ITU-T Recommendation, for both MTP level 2 and MTP level 3. The proforma are presented in the form of tables. Subclauses A.5.1 to A.5.12 contain the individual clauses of the PICS proforma.

A.5.1   Major capabilities - MTP level 2

The supplier of the implementation shall state whether or not the (signalling) procedures for the MTP level 2 as specified in ITU-T Recommendation Q.703 as modified by ETS 300 008-1 [1] are supported, in the tables below:

Table A.1: Signal unit delimitation

Item	Procedure	Reference	Status	Support
1/0a	Additional flags (sending)	Q.703 - 3.1	o	
1/0b	Additional flags (receiving)	Q.703 - 3.1	m	
1/1	Zero insertion and deletion	Q.703 - 3.2	m	

Comments:

Table A.2: Acceptance procedure

Item	Procedure	Reference	Status	Support
2/1	Acceptance of Alignment	Q.703 - 4.1	m	
2/2	Error Detection	Q.703 - 4.2	m	

Comments:

Table A.3: Basic error correction method

Item	Procedure	Reference	Status	Support
3/1	Signal Unit Sequence Control	Q.703 - 5.2.2	m	
3/2	Positive Acknowledgement	Q.703 - 5.2.3	m	
3/3	Negative Acknowledgement	Q.703 - 5.2.4	m	
3/4	Response to Acknowledgements	Q.703 - 5.3.1, 5.3.2	m	
3/5	Repetition of Message Signal Units	Q.703 - 5.3.3	o	

Comments:

Table A.4: Error correction by preventive cyclic retransmission

Item	Procedure	Reference	Status	Support
4/1	Signal Unit Sequence Control	Q.703 - 6.2.2	o	
4/2	Positive Acknowledgement	Q.703 - 6.2.3	c041	
4/3	Preventive Cyclic Retransmission	Q.703 - 6.3	c041	
4/4	Forced Retransmission	Q.703 - 6.4	c041	

c041: if A.4/1 then M else X

Comments:

Table A.5: Initial alignment procedure

Item	Procedure	Reference	Status	Support
5/1	Initial Alignment Procedure	Q.703 - 7.3	m	
5/2	Proving Periods	Q.703 - 7.4	m	

Comments:

Table A.6: level 2 flow control

Item	Procedure	Reference	Status	Support
6/1	Detection of congestion	Q.703 - 2	m	
6/2	Procedure In Congestion Situation	Q.703 - 9.3	m	
6/3	Congestion Abatement Procedure	Q.703 - 9.4	m	

Comments:

Table A.7: Signalling link error monitoring

Item	Procedure	Reference	Status	Support
7/1	Signalling Unit Error Rate Monitor	Q.703 - 10.2	m	
7/2	Alignment Error Rate Monitor	Q.703 - 10.3	m	

Comments:

Table A.8: Processor outage

Item	Procedure	Reference	Status	Support
8/1	Remote Processor Outage Beginning	Q.703 - 8	m	
8/2	Remote Processor Outage End	Q.703 - 8	m	
8/3	Local Processor Outage Beginning	Q.703 - 8	o (note)	
8/4	Local Processor Outage End	Q.703 - 8	c081	
NOTE:	This option is implementation dependent.			

c081: if A.8/3 then M else N/A

Comments:

A.5.2   Major capabilities - MTP level 3

The supplier of the implementation shall state whether or not the (signalling) procedures for the MTP level 3 as specified in ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1] are supported, in the tables below:

Table A.9: Signalling message handling

Item	Procedure	Reference	Status	Support
9/1	Message Routing Function	Q.704 - 2.3	m	
9/2	Message Discrimination Function	Q.704 - 2.4.1	m	
9/3	STP Functionality	Q.704 - 2.4.1	o	
9/4	Message Distribution Function	Q.704 - 2.4.2	m	
9/5	Quasi-associated mode of signalling	Q.701 - 3.1.2	o	

Comments:

Table A.10: Signalling network management

Item	Procedure	Reference	Status	Support
10/1	Signalling Link Failure	Q.704 - 3.3.1	m	
10/2	Signalling Link Restoration	Q.704 - 3.3.2	m	
10/3	Signalling Link Deactivation	Q.704 - 3.3.3	m	
10/4	Signalling Link Activation	Q.704 - 3.3.4	m	
10/5	Signalling Link Blocking	Q.704 - 3.3.5	m	
10/6	Signalling Link Unblocking	Q.704 - 3.3.6	m	
10/7	Signalling Link Inhibiting	Q.704 - 3.3.7	m	
10/8	Signalling Link Uninhibiting	Q.704 - 3.3.8	m	
10/9	Signalling Route Restricted	Q.704 - 3.5.3	i	
10/10	Signalling Route Unavailable	Q.704 - 3.5.1	m	
10/11	Signalling Route Available	Q.704 - 3.5.2	m	
10/12	Signalling Point Unavailable	Q.704 - 3.7.1	m	
10/13	Signalling Point Available	Q.704 - 3.7.2	m	
10/14	Signalling Point Congested	Q.704 - 3.7.3	o (note)	
10/15	Procedures Used In Connection With Link Congestion Status Changes	Q.704 - 3.8.3	m	
10/16	Congestion Status of Signalling Route Sets	Q.704 - 3.8.4	m	
10/17	Procedures Used In Connection With Route Set Congestion Status Changes	Q.704 - 3.8.5	m	

NOTE: This option is implementation dependent.

Comments:

Table A.11: Signalling traffic management

Item	Procedure	Reference	Status	Support
11/1	Normal Routing Situation	Q.704 - 4.2	m	
11/2	Signalling Link Unavailability	Q.704 - 4.3	m	
11/3	Signalling Link Availability	Q.704 - 4.4	m	
11/4	Signalling Route Unavailability	Q.704 - 4.5	m	
11/5	Signalling Route Availability	Q.704 - 4.6	m	
11/6	Signalling Route Restriction	Q.704 - 4.7	i	
11/7	Signalling Point Availability	Q.704 - 4.8	m	

Comments:

Table A.12: Changeover

Item	Procedure	Reference	Status	Support
12/1	Changeover Initiation and Actions	Q.704 - 5.3	m	
12/2	Buffer Updating Procedure	Q.704 - 5.4	m	
12/3	Retrieval And Diversion Of Traffic	Q.704 - 5.5	m	
12/4	Emergency Changeover Procedures	Q.704 - 5.6	m (note)	
12/5	Procedures in abnormal conditions	Q.704 - 5.7	m	

NOTE: The invocation of this procedure may be implementation dependent.

Comments:

Table A.13: Changeback

Item	Procedure	Reference	Status	Support
13/1	Changeback Initiation and Actions	Q.704 - 6.2	m	
13/2	Sequence Control Procedure	Q.704 - 6.3	m	
13/3	Time-controlled diversion Procedures	Q.704 - 6.4	m	
13/4	Changeback between linksets always uses time controlled procedures	Q.704 - 6.2.5	o	

Comments:

Table A.14: Forced rerouting

Item	Procedure	Reference	Status	Support
14/1	Forced Rerouting Initiation and Actions	Q.704 - 7.2	c141	

c141: if A.9/5 then M else N/A

Comments:

Table A.15: Controlled rerouting

Item	Procedure	Reference	Status	Support
15/1	Controlled Rerouting Initiation and Actions	Q.704 - 8.2	c151	

c151: if A.9/5 then m else N/A

Comments:

Table A.16: MTP restart

Item	Procedure	Reference	Status	Support
16/1	Actions In A Signalling Point (having the transfer function) which restarts	Q.704 - 9.2.1, 9.2.2, 9.2.4	c161	
16/2	Actions In A Signalling Restarting Point (having no transfer function)	Q.704 - 9.2.1, 9.2.3, 9.2.4	c162	
16/3	Actions In A Signalling Point X Adjacent To A Restarting Signalling Point	Q.704 - 9.3	m	
16/4	Short Term Isolations	Q.704 - 9.4	m	
16/5	Actions In Signalling Point X On Receipt Of TRA Message	Q.704 - 9.5	m	
16/6	General Rules	Q.704 - 9.6	m	
16/7	Late Events Before Sending Out TFP	Q.704 - 9.6.4	c163	
16/8	Reception of TFP or Linkset Failure During Phase 2 Handled Within the Termination of Restart Procedure	Q.704 - 9.6.4	c163	
16/9	Reception of TFP or Linkset Failure During Phase 2 Handled After the Termination of Restart Procedure	Q.704 - 9.6.4	c163	

c161: if A.9/3 then m else N/A
c162: if A.9/3 then N/A else m
c163: if A.9/3 then o else N/A

Comments:

Table A.17: Management inhibiting

Item	Procedure	Reference	Status	Support
17/1	Inhibiting Initiations And Actions	Q.704 - 10.2	m	
17/2	Uninhibiting Initiations And Actions	Q.704 - 10.3	m	
17/3	Receipt Of Unexpected Management Inhibition Messages	Q.704 - 10.4	m	
17/4	Management Inhibited Link Status And Processor Recovery	Q.704 - 10.5	m	
17/5	Inhibit Test Procedure	Q.704 - 10.6	m	

Comments:

Table A.18: Signalling traffic flow control

Item	Procedure	Reference	Status	Support
18/1	Signalling routeset unavailability	Q.704 - 11.2.1	m	
18/2	Signalling routeset availability	Q.704 - 11.2.2	m	
18/3	Count on Message	Q.704 - 11.2.3.1	o.1	
18/4	Count on Octet	Q.704 - 11.2.3.1	o.1	
18/5	For the Congested Routeset	Q.704 - 11.2.3.1	o.2	
18/6	For any Link of the Congested Routeset	Q.704 - 11.2.3.1	o.2	
18/7	For any Linkset of the Congested Routeset	Q.704 - 11.2.3.1	o.2	
18/8	For any Congested Link of the Congested Routeset	Q.704 - 11.2.3.1	o.2	
18/9	User Part availability control - Sending UPU	Q.704 - 11.2.7	o	
18/10	User Part availability control - receiving UPU	Q.704 - 11.2.7	m	

o.1:   One, and only one option shall be chosen
o.2:   One, and only one option shall be chosen

Comments:

Table A.19: Signalling link management

Item	Procedure	Reference	Status	Support
19/1	Basic Signalling Link Management Procedures	Q.704 - 12.2	m	
19/2	Signalling Link Management Procedures Based On Automatic Allocation Of Signalling Terminals	Q.704 - 12.3	i	
19/3	Signalling Link Management Procedures Based On Automatic Allocation Of Signalling Data Links And Signalling Terminals	Q.704 - 12.4	i	
19/4	Automatic Allocation Of Signalling Terminals	Q.704 - 12.5	i	
19/5	Automatic Allocation Of Signalling data Links	Q.704 - 12.6	i	
19/6	Different Signalling Link Management Procedures At The Two Ends Of A Link Set	Q.704 - 12.7	i	

Comments:

Table A.20: Signalling route management

Item	Procedure	Reference	Status	Support
20/1a	Transfer Prohibited	Q.704 - 13.2.1, 13.2.2	c201	
20/1b	Transfer Prohibited	Q.704 - 13.2.3, 13.2.4	c202	
20/2a	Transfer Allowed	Q.704 - 13.3.1, 13.3.2	c201	
20/2b	Transfer Allowed	Q.704 - 13.3.3, 13.3.4	c202	
20/3	Transfer-Restricted (National Option)	Q.704 - 13.4	i	
20/4	Signalling-route-set-test	Q.704 - 13.5	m	
20/5	Transfer Controlled (International network)	Q.704 - 13.6	c203	
20/6	Transfer Controlled (National Option With Congestion Priorities)	Q.704 - 13.7	i	
20/7	Transfer Controlled (National Option Without Congestion Priorities)	Q.704 - 13.8	i	
20/8	Signalling-route-set-congestion-test (National Option)	Q.704 - 13.9	i	

c201: if A.9/3 then M else X
c202: if A.9/5 then M else N/A
c203: if A.9/3 then M else O

Comments:

A.5.3 Timers used in MTP level 2

The supplier of the implementation shall state whether or not the following timers, used by the MTP level 2 protocol, as specified in ITU-T Recommendation Q.703 as modified by ETS 300 008-1 [1] are supported and their value or range(s), in the tables below:

Table A.21: Timers - MTP level 2

Item	Timer	Reference	Status	Support	Values allowed	Values supported
21/1	T1(64)	Q.703 - 12.3	m		40-50 s	
21/2	T1(4.8)	Q.703 - 12.3	i		500-600 s	
21/3	T2low	Q.703 - 12.3	i		5-50 s	
21/4	T2high	Q.703 - 12.3	i		70-150 s	
21/5	T3	Q.703 - 12.3	m		1-2 s	
21/6	T4n(64)	Q.703 - 12.3	m		7,5-9,5 s	
21/7	T4n(4.8)	Q.703 - 12.3	i		100-120 s	
21/8	T4e(64)	Q.703 - 12.3	m		400-600 ms	
21/9	T4e(4.8)	Q.703 - 12.3	i		6-8 s	
21/10	T5	Q.703 - 12.3	m		80-120 ms	
21/11	T6(64)	Q.703 - 12.3	m		3-6 s	
21/12	T6(4.8)	Q.703 - 12.3	i		8-12 s	
21/13	T7(64)	Q.703 - 12.3	m		0,5-2 s	
21/14	T7(4.8)	Q.703 - 12.3	i		4-6 s	

Comments:

A.5.4 Timers used in MTP level 3

The supplier of the implementation shall state whether or not the following timers, used by the MTP level 3 protocol, as specified in ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1] are supported and their value or range(s), in the tables below:

Table A.22: Timers - MTP level 3

Item	Timer	Reference	Status	Support	Values allowed	Values supported
22/1	T1	Q.704 - 16.8	m		500-1200 ms	
22/2	T2	Q.704 - 16.8	m		700-2000 ms	
22/3	T3	Q.704 - 16.8	m		500-1200 ms	
22/4	T4	Q.704 - 16.8	m		500-1200 ms	
22/5	T5	Q.704 - 16.8	m		500-1200 ms	
22/6	T6	Q.704 - 16.8	m		500-1200 ms	
22/7	T7	Q.704 - 16.8	i		1 - 2 s	
22/8	T8	Q.704 - 16.8	m		800-1200 ms	
22/9	T9	Q.704 - 16.8	not used		-	
22/10	T10	Q.704 - 16.8	m		30-60 s	
22/11	T11	Q.704 - 16.8	i		30-90 s	
22/12	T12	Q.704 - 16.8	m		800-1500 ms	
22/13	T13	Q.704 - 16.8	m		800-1500 ms	
22/14	T14	Q.704 - 16.8	m		2 - 3 s	
22/15	T15	Q.704 - 16.8	i		2 - 3 s	
22/16	T16	Q.704 - 16.8	i		1,4 -2 s	
22/17	T17	Q.704 - 16.8	m		800-1500 ms	
22/18	T18	Q.704 - 16.8	c221		implementation dependent & < T20	
22/19	T19	Q.704 - 16.8	m		67 to 69 s	
22/20	T20	Q.704 - 16.8	m		59 to 61 s	
22/21	T21	Q.704 - 16.8	m		63 to 65 s	
22/22	T22	Q.704 - 16.8	m		3 - 6 min	
22/23	T23	Q.704 - 16.8	m		3 - 6 min	
22/24	T24	Q.704 - 16.8	i		500 ms	

c221: if A.9/3 then m else N/A

Comments:

A.5.5 Messages used in MTP level 2

The supplier of the implementation shall state whether or not the following messages used by the MTP level 2 protocol, as specified in ITU-T Recommendation Q.703 as modified by ETS 300 008-1 [1] are supported, in the tables below:

The supplier shall indicate the status of support for sending and receiving each message.

Table A.23: Messages - MTP level 2

Item	Message	Reference	Sending Status	Sending Status	Receipt Status	Receipt Support
23/1	FISU	Q.703 - 2	m		m	
23/2	LSSU with 1 octet SF size	Q.703 - 2	m		m	
23/3	LSSU with 2 octets SF size	Q.703 - 2	x		m	
23/4	MSU	Q.703 - 2	m		m	

Comments:

Table A.24: Treatment of spare fields

Item	Procedure	Reference	Status	Support
24/1	Spare fields/subfields handling	Q.701 - 6.2	m	

Comments:

A.5.6 Messages parameters used in MTP level 2

The supplier of the implementation shall state whether or not each message parameter of the messages used by the MTP level 2 protocol and specified in ITU-T Recommendation Q.703 as modified by ETS 300 008-1 [1] are supported, in the tables below:

The supplier shall indicate the status of support for sending and receiving each parameter in each message.

> NOTE: The status of the message parameters is subject to the support of the corresponding message (see table A.23).

Table A.25: Fill In Signal Unit (FISU)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
25/1	Flags	Q.703 - 2.3.2	m		m	
25/2	BSN	Q.703 - 2.3.5	m		m	
25/3	FSN	Q.703 - 2.3.5	m		m	
25/4	FIB	Q.703 - 2.3.6	m		m	
25/5	BIB	Q.703 - 2.3.6	m		m	
25/6	LI	Q.703 - 2.3.3	m		m	
25/7	CK	Q.703 - 2.3.7	m		m	

Comments:

Table A.26: Link Status Signal Unit (LSSU)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
26/1	Flags	Q.703 - 2.3.2	m		m	
26/2	BSN	Q.703 - 2.3.5	m		m	
26/3	FSN	Q.703 - 2.3.5	m		m	
26/4	FIB	Q.703 - 2.3.6	m		m	
26/5	BIB	Q.703 - 2.3.6	m		m	
26/6	LI	Q.703 - 2.3.3	m		m	
26/7	CK	Q.703 - 2.3.7	m		m	
26/8	SF	Q.703 - 2.3.9	m		m	

Comments:

Table A.27: Message Signal Unit (MSU)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
27/1	Flags	Q.703 - 2.3.2	m		m	
27/2	BSN	Q.703 - 2.3.5	m		m	
27/3	FSN	Q.703 - 2.3.5	m		m	
27/4	FIB	Q.703 - 2.3.6	m		m	
27/5	BIB	Q.703 - 2.3.6	m		m	
27/6	LI	Q.703 - 2.3.3	m		m	
27/7	CRC	Q.703 - 2.3.7	m		m	
27/8	SIF	Q.703 - 2.3.8	m		m	
27/9	SIO	Q.703 - 2.3.4	m		m	

Comments:

A.5.7 Messages used in MTP level 3

The supplier of the implementation shall state whether or not the following messages used by the MTP level 3 protocol, as specified in ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1] are supported, in the tables below.

The supplier shall indicate the status of support for sending and receiving each message.

Table A.28: Messages - MTP level 3

Item	Message	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
28/1	COO	Q.704 - 15.4	m		m	
28/2	COA	Q.704 - 15.4	m		m	
28/3	CBD	Q.704 - 15.5	m		m	
28/4	CBA	Q.704 - 15.5	m		m	
28/5	ECO	Q.704 - 15.6	m		m	
28/6	ECA	Q.704 - 15.6	m		m	
28/7	RST	Q.704 - 15.10	c284		c281	
28/8	RSR	Q.701 - 6.1.2, Q.704 - 15.10	i		m	
28/9	TFC	Q.704 - 15.15	c282		m	
28/10	TFP	Q.704 - 15.7	c283		c284	
28/11	TFR	Q.701 - 6.1.2, Q.704 - 15.9	i		m	
28/12	TFA	Q.704 - 15.8	c283		c284	
28/13	RCT	Q.701 - 6.1.2, Q.704 - 15.16	i		m	
28/14	LIN	Q.704 - 15.11	o		m	
28/15	LUN	Q.704 - 15.11	m		m	
28/16	LIA	Q.704 - 15.11	o		m	
28/17	LUA	Q.704 - 15.11	m		m	
28/18	LID	Q.704 - 15.11	m		m	
28/19	LFU	Q.704 - 15.11	m		m	
28/20	LLT	Q.704 - 15.11	o		m	
28/21	LRT	Q.704 - 15.11	c286		m	
28/22	TRA	Q.704 - 15.12	m		m	
28/23	DLC	Q.701 - 6.1.2, Q.704 - 15.13	i		m	
28/24	CSS	Q.701 - 6.1.2, Q.704 - 15.14	i		m	
28/25	CNS	Q.701 - 6.1.2, Q.704 - 15.15	i		m	
28/26	CNP	Q.701 - 6.1.2, Q.704 - 15.15	i		m	
28/27	UPU	Q.704 - 15.17	c285		m	

c281: if A.9/3 then m else N/A
c282: if A.9/3 then m else o
c283: if A.9/3 then m else x
c284: if A.9/5 then m else N/A
c285: if A.18/9 then m else N/A
c286: if A.28/16 then m else o

Comments:

Table A.29: Treatment of spare fields

Item	Procedure	Reference	Status	Support
29/1	Spare fields/subfields handling	Q.701 - 6.2	m	

Comments:

A.5.8 Messages parameters used in MTP level 3

The supplier of the implementation shall state whether or not each message parameter of the messages used by the MTP level 3 protocol and specified in ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1] are supported, in the tables below.

The supplier shall indicate the status of support for sending and receiving each parameter in each message.

> NOTE: The status of the message parameters is subject to the support of the corresponding message (see table A.28).

Table A.30: Changeover Order (COO)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
30/1	DPC	Q.704 - 2.2.3	m		m	
30/2	OPC	Q.704 - 2.2.3	m		m	
30/3	SLS	Q.704 - 2.2.4	m		m	
30/4	H0	Q.704 - 15.3	m		m	
30/5	H1	Q.704 - 15.4.3	m		m	
30/6	FSN	Q.704 - 15.4.1	m		m	

Comments:

Table A.31: Changeover Acknowledgement (COA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
31/1	DPC	Q.704 - 2.2.3	m		m	
31/2	OPC	Q.704 - 2.2.3	m		m	
31/3	SLS	Q.704 - 2.2.4	m		m	
31/4	H0	Q.704 - 15.3	m		m	
31/5	H1	Q.704 - 15.4.3	m		m	
31/6	FSN	Q.704 - 15.4.1	m		m	

Comments:

Table A.32: Changeback Declaration (CBD)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
32/1	DPC	Q.704 - 2.2.3	m		m	
32/2	OPC	Q.704 - 2.2.3	m		m	
32/3	SLS	Q.704 - 2.2.4	m		m	
32/4	H0	Q.704 - 15.3	m		m	
32/5	H1	Q.704 - 15.5.3	m		m	
32/6	Changeback code	Q.704 - 15.5.4	m		m	

Comments:

Table A.33: Changeback Acknowledgement (CBA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
33/1	DPC	Q.704 - 2.2.3	m		m	
33/2	OPC	Q.704 - 2.2.3	m		m	
33/3	SLS	Q.704 - 2.2.4	m		m	
33/4	H0	Q.704 - 15.3	m		m	
33/5	H1	Q.704 - 15.5.3	m		m	
33/6	Changeback code	Q.704 - 15.5.4	m		m	

Comments:

Table A.34: Emergency Changeover (ECO)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
34/1	DPC	Q.704 - 2.2.3	m		m	
34/2	OPC	Q.704 - 2.2.3	m		m	
34/3	SLS	Q.704 - 2.2.4	m		m	
34/4	H0	Q.704 - 15.3	m		m	
34/5	H1	Q.704 - 15.6.3	m		m	

Comments:

Table A.35: Emergency Changeover Acknowledgement (ECA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
35/1	DPC	Q.704 - 2.2.3	m		m	
35/2	OPC	Q.704 - 2.2.3	m		m	
35/3	SLS	Q.704 - 2.2.4	m		m	
35/4	H0	Q.704 - 15.3	m		m	
35/5	H1	Q.704 - 15.6.3	m		m	

Comments:

Table A.36: Transfer Prohibited (TFP)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
36/1	DPC	Q.704 - 2.2.3	m		m	
36/2	OPC	Q.704 - 2.2.3	m		m	
36/3	SLS	Q.704 - 2.2.4	m		m	
36/4	H0	Q.704 - 15.3	m		m	
36/5	H1	Q.704 - 15.7.3	m		m	
36/6	Destination	Q.704 - 15.7.4	m		m	

Comments:

Table A.37: Transfer Allowed (TFA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
37/1	DPC	Q.704 - 2.2.3	m		m	
37/2	OPC	Q.704 - 2.2.3	m		m	
37/3	SLS	Q.704 - 2.2.4	m		m	
37/4	H0	Q.704 - 15.3	m		m	
37/5	H1	Q.704 - 15.8.3	m		m	
37/6	Destination	Q.704 - 15.7.4	m		m	

Comments:

Table A.38: Signalling Route Set Test For Prohibited Destination (RST)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
38/1	DPC	Q.704 - 2.2.3	m		m	
38/2	OPC	Q.704 - 2.2.3	m		m	
38/3	SLS	Q.704 - 2.2.4	m		m	
38/4	H0	Q.704 - 15.3	m		m	
38/5	H1	Q.704 - 15.8.3	m		m	
38/6	Destination	Q.704 - 15.7.4	m		m	

Comments:

Table A.39: Link Inhibit (LIN)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
39/1	DPC	Q.704 - 2.2.3	m		m	
39/2	OPC	Q.704 - 2.2.3	m		m	
39/3	SLS	Q.704 - 2.2.4	m		m	
39/4	H0	Q.704 - 15.3	m		m	
39/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.40: Link Uninhibit (LUN)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
40/1	DPC	Q.704 - 2.2.3	m		m	
40/2	OPC	Q.704 - 2.2.3	m		m	
40/3	SLS	Q.704 - 2.2.4	m		m	
40/4	H0	Q.704 - 15.3	m		m	
40/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.41: Link Inhibiting Acknowledgement (LIA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
41/1	DPC	Q.704 - 2.2.3	m		m	
41/2	OPC	Q.704 - 2.2.3	m		m	
41/3	SLS	Q.704 - 2.2.4	m		m	
41/4	H0	Q.704 - 15.3	m		m	
41/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.42: Link Uninhibiting Acknowledgement (LUA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
42/1	DPC	Q.704 - 2.2.3	m		m	
42/2	OPC	Q.704 - 2.2.3	m		m	
42/3	SLS	Q.704 - 2.2.4	m		m	
42/4	H0	Q.704 - 15.3	m		m	
42/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.43: Link Inhibiting Denied (LID)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
43/1	DPC	Q.704 - 2.2.3	m		m	
43/2	OPC	Q.704 - 2.2.3	m		m	
43/3	SLS	Q.704 - 2.2.4	m		m	
43/4	H0	Q.704 - 15.3	m		m	
43/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.44: Link Force Uninhibit (LFU)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
44/1	DPC	Q.704 - 2.2.3	m		m	
44/2	OPC	Q.704 - 2.2.3	m		m	
44/3	SLS	Q.704 - 2.2.4	m		m	
44/4	H0	Q.704 - 15.3	m		m	
44/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.45: Link Local Inhibit Test (LLT)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
45/1	DPC	Q.704 - 2.2.3	m		m	
45/2	OPC	Q.704 - 2.2.3	m		m	
45/3	SLS	Q.704 - 2.2.4	m		m	
45/4	H0	Q.704 - 15.3	m		m	
45/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.46: Link Remote Inhibit Test (LRT)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
46/1	DPC	Q.704 - 2.2.3	m		m	
46/2	OPC	Q.704 - 2.2.3	m		m	
46/3	SLS	Q.704 - 2.2.4	m		m	
46/4	H0	Q.704 - 15.3	m		m	
46/5	H1	Q.704 - 15.11.3	m		m	

Comments:

Table A.47: Traffic Restart Allowed (TRA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
47/1	DPC	Q.704 - 2.2.3	m		m	
47/2	OPC	Q.704 - 2.2.3	m		m	
47/3	SLS	Q.704 - 2.2.4	m		m	
47/4	H0	Q.704 - 15.3	m		m	
47/5	H1	Q.704 - 15.12.3	m		m	

Comments:

Table A.48: Transfer Controlled (TFC)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
48/1	DPC	Q.704 - 2.2.3	m		m	
48/2	OPC	Q.704 - 2.2.3	m		m	
48/3	SLS	Q.704 - 2.2.4	m		m	
48/4	H0	Q.704 - 15.3	m		m	
48/5	H1	Q.704 - 15.15.3	m		m	
48/6	Destination	Q.704 - 15.15.4	m		m	

Comments:

Table A.49: User Part Unavailable (UPU)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
49/1	DPC	Q.704 - 2.2.3	m		m	
49/2	OPC	Q.704 - 2.2.3	m		m	
49/3	SLS	Q.704 - 2.2.4	m		m	
49/4	H0	Q.704 - 15.3	m		m	
49/5	H1	Q.704 - 15.17.3	m		m	
49/6	Destination	Q.704 - 15.15.4	m		m	
49/7	User Part Id	Q.704 - 15.17.4	m		m	
49/8	Unavailability Cause	Q.704 - 15.17.5	m		m	

Comments:

A.5.9 Testing and maintenance procedures

A.5.9.1 Major capabilities in testing and maintenance procedures

The supplier of the implementation shall state whether or not the procedures described in ITU-T Recommendation Q.707 as modified by ETS 300 008-1 [1] are supported, in the table below:

Table A.50: Testing and maintenance procedures

Item	Procedure	Reference	Status	Support
50/1	Signalling Link Testing (Periodic)	Q.707 - 2	o	
50/2	Signalling Link Testing after activation or restoration	Q.707 - 2	m	
50/3	Responding to Signalling Test Message	Q.707 - 2	m	
50/4	Signalling Link Goes Out of Service when the Periodic Test Signal Fails	Q.707 - 2	o (note)	

NOTE: Specify the IUT behaviour if not supported.

Comments:

A.5.9.2 Timers used in testing and maintenance procedures

The supplier of the implementation shall state whether or not the following timers, used by MTP testing and maintenance procedures, as specified in ITU-T Recommendation Q.707 as modified by ETS 300 008-1 [1], are supported and their value or range, in the table below:

Table A.51: Timers -Testing and maintenance procedures

Item	Timer	Reference	Status	Support	Values allowed	Values supported
51/1	T1	Q.707 - 5.5	m		4-12 s	
51/2	T2	Q.707 - 5.5	c511		30-90 s	

c511: if A.50/1 then m else N/A

Comments:

A.5.9.3 Messages used in testing and maintenance procedures

The supplier of the implementation shall state whether or not the following messages used by the testing and maintenance procedures as specified in ITU-T Recommendation Q.707 as modified by ETS 300 008-1 [1] are supported, in the tables below.

The supplier shall indicate the status of support for sending and receiving each message.

Table A.52: Messages - Testing and maintenance procedures

Item	Message	Reference	Sending Status	Sending Status	Receipt Status	Receipt Support
52/1	SLTM	Q.707 - 5.4	m		m	
52/2	SLTA	Q.707 - 5.4	m		m	

Comments:

A.5.9.4 Messages parameters used in testing and maintenance procedures

The supplier of the implementation shall state whether or not each message parameter of the messages used by the testing and maintenance procedures and specified in ITU-T Recommendation Q.707 as modified by ETS 300 008-1 [1] are supported, in the tables below.

The supplier shall indicate the status of support for sending and receiving each parameter in each message.

Table A.53: Signalling Link Testing messages (SLTM/SLTA)

Item	Parameter	Reference	Sending Status	Sending Support	Receipt Status	Receipt Support
53/1	DPC	Q.704 - 2.2.3	m		m	
53/2	OPC	Q.704 - 2.2.3	m		m	
53/3	SLS	Q.704 - 2.2.4	m		m	
53/4	H0	Q.707 - 5.3	m		m	
53/5	H1	Q.707 - 5.4	m		m	
53/6	Spare (4 bits)	Q.707 - 5.4	m		m	
53/7	Length Indicator	Q.707 - 5.4	m		m	
53/8	Test pattern	Q.707 - 5.4	m		m	

Comments:

A.5.10 Protocol error handling

The supplier of the implementation shall state whether or not the protocol error handling functions for MTP as specified in ITU-T Recommendations are supported, in the tables below:

Table A.54: Abnormal conditions handling for MTP 2

Item	Procedure	Reference	Status	Support
54/1	Error Detection	Q.703 - 4.2	m	
54/2	Error Correction By Preventive Cyclic Retransmission	Q.703 - 6.4	m	
54/3	Basic Error Correction Method	Q.703 - 5	m	
54/4	Signalling Link Error Monitoring	Q.703 - 10	m	

Comments:

Table A.55: Abnormal conditions handling for MTP 3

Item	Procedure	Reference	Status	Support
55/1	Changeover - Abnormal Conditions	Q.704 - 5.7	m	
55/2	Changeback - Abnormal Conditions	Q.704 - 6.5	m	
55/3	Management Inhibiting - Receipt Of Unexpected Management Inhibition Messages	Q.704 - 10.4	m	

Comments:

Table A.56: Invalid messages for MTP 3

Item	Procedure	Reference	Status	Support
56/1	Invalid TFC messages	Q.704 - 15.15	m	
56/2	Invalid TFP/TFA messages	Q.704 - 15.7/8	m	
56/3	Invalid RST messages	Q.704 - 15.10	m	
56/4	Invalid TRA messages	Q.704 - 15.12	m	
56/5	Invalid UPU messages	Q.704 - 15.17	m	
NOTE:	Invalid messages have no other parameters than those defined in A.5.8 but these parameters may have wrong values (e.g. an unknown Point Code).			

Comments:

Table A.57: Invalid testing and maintenance messages

Item	Procedure	Reference	Status	Support
57/1	Invalid SLTM messages	Q.707 - 5.4	m	
57/2	Invalid SLTA messages	Q.707 - 5.4	m	

Comments:

A.5.11 Transit time requirements

This paragraph deals with requirements described in ITU-T Recommendation Q.706 as modified by ETS 300 008-1 [1] about message transfer time.

Table A.58: Security requirements

Item	Requirements	Reference	Status	Support
58/1	Type Of Security Arrangements	Q.706 - 4.5.1	o	
58/2	Time To Initiate Changeover	Q.706 - 4.5.3	o	
58/3	Changeover Performance Times	Q.706 - 4.5.4	o	

Comments:

Table A.59: Failures

Item	Requirements	Reference	Status	Support
59/1	Link Failures	Q.706 - 4.6.1	o	
59/2	Failures In Signalling Points	Q.706 - 4.6.2	o	

Comments:

Table A.60: Priorities

Item	Requirements	Reference	Status	Support
60/1	Priorities Requirements	Q.706 - 4.7	o	

Comments:

Table A.61: Estimates for message transfer times

Item	Requirements	Reference	Status	Support
61/1	Estimates For Tcs	Q.706 - 5.1	o	
61/2	Calculation Of Tod	Q.706 - 5.2	o	
61/3	Estimates For STP Processor handling Time Tph	Q.706 - 5.3	o	

Comments:

A.5.12 Interworking requirements

This subclause deals with interworking (with CCITT Yellow (1980), Red (1984) and Blue (1988) Books) problems described in ITU-T Recommendation Q.701 as modified by ETS 300 008-1 [1].

Table A.62: CCITT Red Book (1984) to ITU-T White Book (1993)

Item	Requirements	Reference	Status	Support
62/1	Solution to the SIF length increase problem	Q.701 - 7.2.5/6	x	

Comments:

Table A.63: CCITT Yellow Book (1980) to ITU-T White Book (1993)

Item	Requirements	Reference	Status	Support
63/1	Solution of the SIF length increase problem	Q.701 - 7.2.5/6	x	

Comments:

Annex B (informative):   Bibliography

- CCITT Recommendation Q.701 (1980): "Functional description of the Signalling System (Message Transfer Part)".

- CCITT Recommendation Q.701 (1984): "Functional description of the Signalling System (Message Transfer Part)".

- CCITT Recommendation Q.701 (1988): "Functional description of the Message Transfer Part (MTP) of Signalling System No.7".

History

Document history		
September 1996	Public Enquiry	PE 113: 1996-09-02 to 1996-12-27