

Final draft **EN 301 004-1** V1.1.2 (1997-12)

European Standard (Telecommunications series)

**Broadband Integrated Services Digital Network (B-ISDN);
Signalling System No.7;
Message Transfer Part (MTP) level 3 functions and messages
to support international interconnection;
Part 1: Protocol specification**

[ITU-T Recommendation Q.2210 (1996), modified]



European Telecommunications Standards Institute

Reference

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Keywords

B-ISDN, SS7, MTP***ETSI Secretariat***

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS), and is now submitted for the Voting phase of the ETSI standards Two-step Approval Procedure (TAP).

The present document is part 1 of a multi-part standard covering the Broadband Integrated Services Digital Network (B-ISDN) Message Transfer Part (MTP) level 3 functions and messages to support international interconnection, as identified below:

Part 1: "Protocol specification [ITU-T Recommendation Q.2210 (1996), modified]";

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

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

Endorsement notice

The text of ITU-T Recommendation Q.2210 (1996) was approved by ETSI as an EN with agreed modifications as given below.

NOTE: New or modified text is indicated using sidebars. In addition, underlining and/or strike-out are used to highlight detailed modifications where necessary.

clause 1

Replace clause 1 by:

1 Scope

This first part of EN 301 004 defines the Message Transfer Part (MTP) level 3 functions and messages using the services of ETS 300 438-1 [2] for use in the international network and, optionally, in national networks.

The present document is applicable to the international network and is not meant to restrict national networks.

clause 2

Replace clause 2 by:

2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

- [1] ETS 300 008-1: "Integrated Services Digital Network (ISDN); Signalling System No.7; Message Transfer Part (MTP) to support international interconnection; Part 1: Protocol specification".
- [2] ETS 300 438-1: "Broadband Integrated Services Digital Network (B-ISDN); Signalling ATM Adaptation Layer (SAAL); Service Specific Co-ordination Function (SSCF) for support of signalling at the Network Node Interface (NNI); Part 1: Specification of SSCF at NNI [ITU-T Recommendation Q.2140 (1995), modified]".

clause 3

Add the following abbreviations at the appropriate positions:

ISDN	Integrated Services Digital Network
LSSU	Link Status Signal Unit
MSU	Message Signal Unit
PSTN	Public Switched Telephone Network
SP	Signalling Point
STP	Signalling Transfer Point
TFP	Transfer Prohibited message
TRA	Traffic Restart Allowed message
UPU	User Part Unavailable message

Throughout the text of ITU-T Recommendation Q.2210

Replace references as shown in the following table.

Reference in ITU-T Recommendation Q.2210	Modified reference
ITU-T Recommendation Q.701 [4]	ITU-T Recommendation Q.701 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.703 [8]	ITU-T Recommendation Q.703 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.704 [2]	ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1]
ITU-T Recommendation Q.2140 [1]	ITU-T Recommendation Q.2140 as modified by ETS 300 438-1 [2]

(National) options

No national options, or remarks with regard to national options, shall apply to the present document. For any other options ETS 300 008-1 [1] applies.

subclause 9.9, second paragraph

Replace the second paragraph by:

For all other timers and timer values ITU-T Recommendation Q.704 as modified by ETS 300 008-1 [1] applies.

Annex ZA (normative): Additional requirements

ZA.1 Link loading

The requirements in clause ZA.1 of ETS 300 008-1 [1] shall apply.

Annex ZB (informative): Applicability of narrowband MTP requirements

Generally, all narrowband requirements which are referred to by ITU-T Recommendation Q.2210 apply by implication. This informative annex just highlights the "important" issues.

ZB.1 Network indicator

ETS 300 008-1 [1] applies.

ZB.2 User flow control

ETS 300 008-1 [1] applies except for the reference to the UPU message format where subclause 9.8 of ITU-T Recommendation Q.2210 applies.

History

Document history				
V1.1.1	April 1997	Public Enquiry	PE 9731:	1997-04-04 to 1997-08-01
V1.1.2	December 1997	Vote	V 9805:	1997-12-02 to 1998-01-30