

EN 301 004-1 V1.1.3 (1998-02)

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

DEN/SPS-02032 (9ao90ie0.PDF)

Keywords

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

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".

| National transposition dates | |
|--|------------------|
| Date of adoption of this EN: | 6 February 1998 |
| Date of latest announcement of this EN (doa): | 31 May 1998 |
| Date of latest publication of new National Standard or endorsement of this EN (dop/e): | 30 November 1998 |
| Date of withdrawal of any conflicting National Standard (dow): | 30 November 1998 |

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:

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

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 |
| V1.1.3 | February 1998 | Publication | | |
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