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**Broadband Integrated Services Digital Network (B-ISDN);
Digital Subscriber Signalling System No. two (DSS2) protocol;
Generic functional protocol;
Core aspects;
Part 1: Protocol specification**

[ITU-T Recommendation Q.2932.1, modified]

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

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Foreword

This draft European Telecommunication Standard (ETS) has been produced by the Signalling Protocols 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 part 1 of a multi-part standard covering the Integrated Services Digital Network (ISDN) Digital Subscriber Signalling System No. two (DSS2) core aspects of the generic functional protocol as described below:

- Part 1:** "Protocol specification [ITU-T Recommendation Q.2932.1, modified]";
- Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the user";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";
- Part 5: "TSS&TP specification for the network";
- Part 6: "ATS and partial PIXIT proforma specification for the network".

NOTE: The final structure of the parts containing the test specifications is currently under study.

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

Endorsement notice

The text of draft ITU-T Recommendation Q.2932.1 was approved by ETSI as an ETS with agreed modifications as given below.

NOTE 1: New or modified text is indicated using sidebars. In addition, underlining and/or strike-out are used to highlight detailed modifications where necessary.

NOTE 2: ITU-T Recommendation Q.2932.1 was not yet adopted by ITU-T prior to the submission for Public Enquiry of this ETS. This endorsement is based upon ITU-T Study Group 11 Report COM 11-R 166-E (April 1996).

clause 1

Replace subclause 1.1 by:

1.1 Scope

This first part of ETS 300 796 specifies the functional protocol for the pan-European Broadband Integrated Services Digital Network (B-ISDN), using local information exchange, for the application to a range of additional basic call capabilities and supplementary services at the T_B reference point or coincident S_B and T_B reference point (as defined in ITU-T Recommendation I.413 [1] by means of the Digital Subscriber Signalling System No. two (DSS2) protocol.

The functional protocol is based on the use of the Facility information element.

To be functional this protocol requires knowledge of the additional basic call capabilities and supplementary services supported by the user equipment. This facilitates user equipment operation without human intervention by defining the semantics for the protocol elements which user equipment can process on its own.

The procedures specified in this ETS can be used for:

- activation and deactivation;
- invocation and operation;
- interrogation;
- status request; and
- status notification,

of additional basic call capabilities and supplementary services in association with existing calls or outside any existing call.

The application of this ETS to individual additional basic call capabilities and supplementary services is outside the scope of this ETS and is defined in those ETSs which specify the individual capabilities.

Further ETSs cover the capabilities for non-local addressing within the generic functional protocol.

All conformance to this ETS is based on the external behaviour at the interface at the T_B or coincident S_B and T_B reference point, i.e. on the generation of the correct message structure and in the proper sequence as specified in this recommendation.

Further part(s) of this ETS specify the method of testing required to identify conformance to this ETS.

This ETS is applicable to equipment, supporting additional basic call capabilities and supplementary services using the functional protocol, to be attached at either side of a T_B reference point or coincident S_B and T_B reference point when used as an access to the public ISDN.

subclause 1.2, first paragraph

Replace the first paragraph of subclause 1.2 by:

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.

subclause 1.2

Insert the following references at the end of subclause 1.2:

- [20] ETS 300 437-1: "Broadband Integrated Services Digital Network (B-ISDN); Signalling ATM Adaptation Layer (SAAL); Service Specific Co-ordination Function (SSCF) for support of signalling at the User-Network Interface (UNI); Part 1: Specification of SSCF at UNI [ITU-T Recommendation Q.2130 (1995), modified]".
- [21] ETS 300 443-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for basic call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2931 (1995), modified]".
- [22] ETS 300 662-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Multiple Subscriber Number (MSN) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 2 (1995), modified]".
- [23] ETS 300 667-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Subaddressing (SUB) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2951, clause 8 (1995), modified]".
- [24] ETS 300 770-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Closed User Group (CUG) supplementary service; Part 1: Protocol specification [ITU-T Recommendation Q.2955.1, modified]".
- [25] ETS 300 771-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; B-ISDN user-network interface layer 3 specification for point-to-multipoint call/bearer control; Part 1: Protocol specification [ITU-T Recommendation Q.2971 (1995), modified]".

Throughout the text of ITU-T Recommendation Q.2931.1

Replace references as shown in the following table.

Reference in ITU-T Recommendation Q.2931.1	Modified reference
ITU-T Recommendation Q.2130 [15]	ITU-T Recommendation Q.2130 as modified by ETS 300 437-1 [20]
ITU-T Recommendation Q.2931 [13]	ITU-T Recommendation Q.2931 as modified by ETS 300 443-1 [21]
ITU-T Recommendation Q.2951.2 [11]	ITU-T Recommendation Q.2951.2 as modified by ETS 300 662-1 [22]
ITU-T Recommendation Q.2951.8 [12]	ITU-T Recommendation Q.2951.8 as modified by ETS 300 667-1 [23]
ITU-T Recommendation Q.2955.1 [16]	ITU-T Recommendation Q.2955.1 as modified by ETS 300 770-1 [24]
ITU-T Recommendation Q.2971 [14]	ITU-T Recommendation Q.2971 as modified by ETS 300 771-1 [25]

table 1-2/Q.2932, note 3

Add the following text to note 3:

| The maximum length of this information element is 25 octets.

table 1-2/Q.2932, note 6

Add the following text to note 6:

| The maximum length of this information element is 26 octets

table 1-4/Q.2932, note 3

Add the following text to note 3:

| The maximum length of this information element is 25 octets.

table 1-4/Q.2932, note 5

Add the following text to note 5:

| The maximum length of this information element is 26 octets.

annex A

Annex A has the status of a normative annex.

annex B

Annex B has the status of a normative annex.

appendix I

Appendix I has the status of an informative annex.

appendix II

Appendix II has the status of an informative annex.

appendix III

Appendix III has the status of an informative annex.

appendix IV

Appendix IV has the status of an informative annex.

appendix V

Appendix V has the status of an informative annex.

History

Document history	
October 1996	Public Enquiry PE 116: 1996-10-21 to 1997-02-14