

Final draft **EN 301 067-1** V1.1.2 (1999-01)

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*European Standard (Telecommunications series)*

**Broadband Integrated Services Digital Network (B-ISDN);  
Digital Subscriber Signalling System No. two (DSS2) protocol;  
Connection characteristics;  
Negotiation during call/connection establishment phase;  
Part 1: Protocol specification**

[ITU-T Recommendation Q.2962 (1996), modified]

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Reference

DEN/SPS-05082-1 (9vo90idc.PDF)

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Keywords

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**ETSI**

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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.

The present document is part 1 of a multi-part standard covering the Digital Subscriber Signalling System No. two (DSS2) protocol specification for the Broadband Integrated Services Digital Network (B-ISDN) connection negotiation during call/connection establishment phase, as described below:

- Part 1:** "**Protocol specification [ITU-T Recommendation Q.2962 (1996), 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: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";
- Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

<b>Proposed national transposition dates</b>	
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

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## Endorsement notice

The elements of ITU-T Recommendation Q.2962 (1996) apply, with the following modifications:

- 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:

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# 1 Scope

This first part of EN 301 067 specifies the stage three of the connection characteristics negotiation during call/connection establishment phase service for the pan-European Broadband Integrated Services Digital Network (B-ISDN) as provided by European public telecommunications operators 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. Stage three identifies the protocol and procedures and switching functions needed to support a telecommunication service (see ITU-T Recommendation I.130 [2]).

In addition, the present document specifies the protocol requirements at the  $T_B$  reference point where the service is provided to the user via a private B-ISDN.

The present document does not specify the additional protocol requirements where the service is provided to the user via a telecommunications network that is not a B-ISDN.

The present document specifies the signalling protocol to negotiate the cell rate traffic parameters that are specified in ITU-T Recommendations Q.2931 and Q.2961.1 as modified by EN 300 443-1 [5] and EN 301 068-1 [7], respectively, for basic call/connection control. The capability described in the present document is also applicable for negotiating the connection characteristics for the first party of a point-to-multipoint call/connections as specified in ITU-T Recommendation Q.2971 as modified by ETS 300 771-1 [6]. The capabilities in the present document are only applicable during the call/connection establishment phase.

Further parts of the present document specify the method of testing required to identify conformance to the present document.

The present document is applicable to equipment, supporting connection characteristics negotiation during call/connection establishment phase, 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 B-ISDN.

The provision of this service requires the support of the protocol for basic point-to-point call/bearer connection as defined in EN 300 443-1 [5].

## Clause 2, first paragraph

Replace the first paragraph by:

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, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, 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.

## Clause 2, end

Insert the following references at the end of clause 2:

- [5] EN 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]".
- [6] 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]".
- [7] EN 301 068-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; ATM transfer capability and traffic parameter indication; Part 1: Protocol specification [ITU-T Recommendations Q.2961.1 (1995), Q.2961.2 (1997), Q.2961.3 (1997), Q.2961.4 (1997), modified]".
- [8] ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".
- [9] ITU-T Recommendation I.210 (1993): "Principles of telecommunication services supported by an ISDN and the means to describe them".

## Throughout the text of ITU-T Recommendation Q.2962

Replace references as shown in the following table.

Reference in ITU-T Recommendation Q.2962	Modified reference
ITU-T Recommendation Q.2931 [1]	ITU-T Recommendation Q.2931 as modified by EN 300 443-1 [5]
ITU-T Recommendation Q.2971 [2]	ITU-T Recommendation Q.2971 as modified by ETS 300 771-1 [6]
ITU-T Recommendation Q.2961.1 [4]	ITU-T Recommendation Q.2961.1 as modified by EN 301 068-1 [7]

## Subclause 6.1

Insert the following text at the end of the second paragraph:

The calling user is conformant to the procedures described in the present document if it supports at least either the minimum acceptable ATM traffic descriptor negotiation or the alternative ATM traffic descriptor negotiation. For the network and the called user it is mandatory to support both negotiation procedures in order to be conformant to the present document.

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## History

<b>Document history</b>				
V1.1.1	December 1997	Public Enquiry	PE 9815:	1997-12-12 to 1998-04-10
V1.1.2	January 1999	Vote	V 9913:	1999-01-26 to 1999-03-26