

Draft **EN 301 068-1** V1.1.1 (1997-12)

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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;  
ATM transfer capability and traffic parameter indication;  
Part 1: Protocol specification**

[ITU-T Recommendations Q.2961.1 (1995), Q.2961.2 to Q.2961.4 (1997), modified]

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*European Telecommunications Standards Institute*

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Reference

DEN/SPS-05081-1 (9w090ico.PDF)

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Keywords

B-ISDN, DSS2, UNI, layer 3, ATM

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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 Public Enquiry phase of the ETSI standards Two-step Approval Procedure (TAP).

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) ATM transfer capability and traffic parameter indication, as described below:

- Part 1:** "Protocol specification [ITU-T Recommendation Q.2961 Part (1995), Part 2 (1997), Part 3 (1997), Part 4 (1997), 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".

The present document details the access signalling system protocol aspects and switching functions required to support the ATM transfer capability and the related traffic parameter indication at call and/or connection establishment time.

<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 text of ITU-T Recommendations Q.2961.1 (1995), Q.2961.2 (1997), Q.2961.3 (1997) and Q.2961.4 (1997) 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.

# Global modifications to ITU-T Recommendations Q.2961.1 to Q.2961.4

Insert the following clause (Scope).

## Scope

This first part of EN 301 068 covers the support of additional traffic parameters for the Broadband Integrated Services Digital Network (B-ISDN) at the  $T_B$  reference point or coincident  $S_B$  and  $T_B$  reference point as defined in Recommendation I.413 [1] by means of the Digital Subscriber Signalling System No. two (DSS2) protocol for the pan-European Broadband Integrated Services Digital Network (B-ISDN) as provided by European public telecommunication operators.

It defines the DSS2 protocol procedures, formats and functions needed to support the identified ATM transfer capabilities and the ATM traffic related additional capabilities.

The specifications provided by the present document allow for the signalling of the ATM transfer capabilities and of the additional traffic parameters beyond the ones already specified by EN 300 443-1 for B-ISDN basic call/connection control at the UNI. The additional traffic parameters support a Broadband Connection-Oriented Bearer Service (BCOB) as specified in ITU-T Recommendation F.811.

The present document forms part of the DSS2 family of standards; it specifies extensions to EN 300 443-1 which specifies the control protocol for point-to-point call/bearer connection, and does not repeat states, information elements, messages and procedures contained therein, but only specifies extensions related to additional traffic parameter indications.

This present document does not cover procedures for the negotiation and modification/re-negotiation of the ATM traffic parameters.

Editor's note: The list of modifications to references should be provided during the Public Enquiry resolution.

Throughout the text of ITU-T Recommendations Q.2961.1 to Q.2961.4

Replace references as shown in the following table.

Reference in ITU-T Recommendations Q.2961.1 to Q.2961.4	Modified reference
ITU-T Recommendation Q.2931	ITU-T Recommendation Q.2931 as modified by EN 300 443-1
ITU-T Recommendation I.371	ITU-T Recommendation I.371 as modified by ETS 300 301 edition 2
ITU-T Recommendation I.356	ITU-T Recommendation I.356 as modified by ETS 300 xxx
ITU-T Recommendation Q.2951	ITU-T Recommendation Q.2951 as modified by ETS 300 xxx-1
ITU-T Recommendation Q.2955	ITU-T Recommendation Q.2955 as modified by ETS 300 xxx-1
ITU-T Recommendation Q.2957	ITU-T Recommendation Q.2957 as modified by ETS 300 xxx-1
ITU-T Recommendation Q.2962	ITU-T Recommendation Q.2962 as modified by EN 301 067-1
ITU-T Recommendation Q.2963.1	ITU-T Recommendation Q.2963.1 as modified by EN 301 003-1
ITU-T Recommendation F.811 (1992)	ITU-T Recommendation F.811 (1996)

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## Modifications to ITU-T Recommendation Q.2961.1

Replace VBR (Variable Bit Rate) by SBR (Statistical Bit rate) ATM Transfer Capability.

### Appendix I

Appendix I is informative.

### Appendix II

Appendix II is informative.

### Appendix III

Appendix III is informative.

### Appendix IV

Appendix IV is not applicable.

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## Modifications to ITU-T Recommendation Q.2961.2

Reference [6] (ITU-T Recommendation Q.2933) is not applicable.

NOTE: The use of the Frame Relay Bearer Class codepoint in octet 5 (bits 1 to 5) of the Broadband bearer capability information element (Figure 1/Q.2961.2) will be the subject of a separate standard defining the application of ITU-T Recommendation Q.2933.

### Annex A

Annex A is normative.

### Appendix I

Appendix I is informative.

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## Modifications to ITU-T Recommendation Q.2961.3

### Appendix I

Appendix I is informative.

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## Modifications to ITU-T Recommendation Q.2961.4

No modifications identified.

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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