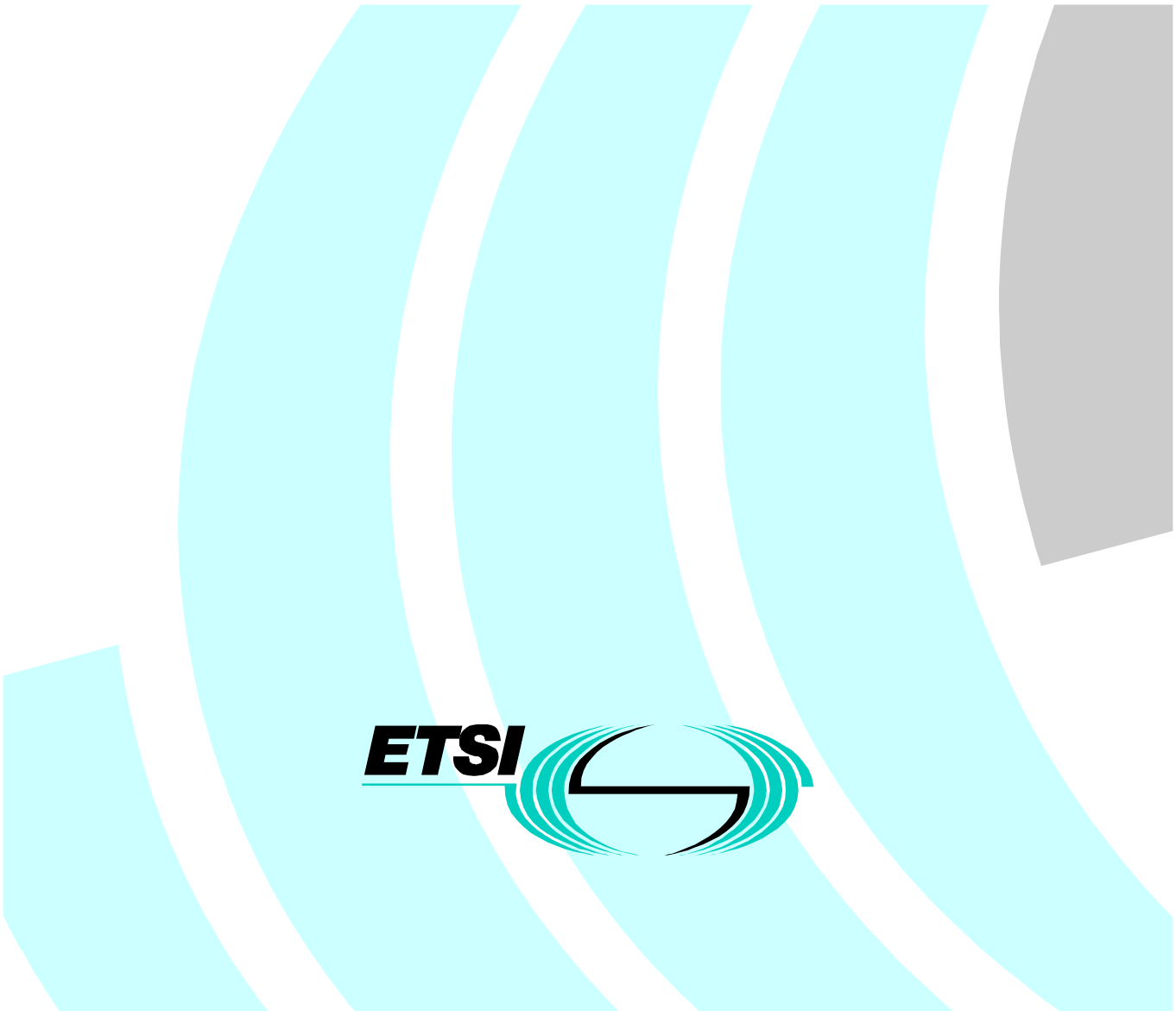
Final draft EN 301 276-1 V1.1.2 (1998-12)

European Standard (Telecommunications series)

Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Modification procedures for sustainable cell rate parameters; Part 1: Protocol specification

[ITU-T Recommendations Q.2963.2 (1997), modified]



Reference
DEN/SPS-05147-1 (btc90idc.PDF)

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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; Connection characteristics; Modification procedures for sustainable cell rate parameters, as identified below:

Part 1: "Protocol specification [ITU-T Recommendation Q.2963.2 (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: "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".

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

In accordance with CCITT Recommendation I.130, the following three level structure is used to describe the supplementary telecommunication services as provided by European public telecommunications operators under the pan-European B-ISDN:

- Stage 1: is an overall service description, from the user's standpoint;
- Stage 2: identifies the functional capabilities and information flows needed to support the service described in stage 1; and
- Stage 3: defines the signalling system protocols and switching functions needed to implement the service described in stage 1.

The present document details the stage 3 aspects (signalling system protocols and switching functions) needed to support the Modification of Sustainable Cell Rate.

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 elements of ITU-T Recommendation Q.2963-2 (1997) apply, with the following modifications:

Clause 1

Replace clause 1 by:

1 Scope

The present document specifies the signalling protocol for ATM Traffic Descriptor modification 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 ITU-T Recommendation I.413 [1]) by means of the Digital Subscriber Signalling System No. 2 (DSS 2). The present document extends the Peak Cell Rate (PCR) parameters modification capability specified in EN 301 003-1 to include the modification of the Sustainable Cell Rate (SCR) and the Maximum Burst Size (MBS) parameters

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 capability described in the present document enables the connection owner to modify the ATM Traffic Descriptor for call/connections that have already been established.

ATM Traffic Descriptor modification is applicable to all connection oriented telecommunication services that are based on single point-to-point calls/connections, however, modification is not applicable to emulated N-ISDN services. The peak cell rate modification for point to multipoint calls/connections is outside the scope of the present document.

The present document is applicable to equipment, supporting ATM Traffic Descriptor modification, 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.

Further ENs (or further parts of the present document) provide the method of testing and detailed application specific requirements to determine conformance to the present document.

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

Clause 2

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; Part1: Protocol specification [ITU-T Recommendation Q.2931 (1995), modified]".

[6] 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]".

Throughout the text of ITU-T Recommendation Q.2963.2

Replace references as shown in table 1.

Table 1

Reference in ITU-T Recommendation Q.2963.2	Modified reference
ITU-T Recommendation Q.2931	ITU-T Recommendation Q.2931 as modified by EN 300 443-1
ITU-T Recommendation Q.2961.1	ITU-T Recommendation Q.2961.1 as modified by EN 301 068-1
ITU-T Recommendation Q.2963.1	ITU-T Recommendation Q.2963.1 as modified by EN 301 003-1

Appendix I

Appendix I has the status of an informative annex.

History

Document history				
V1.1.1	June 1998	Public Enquiry	PE 9843:	1998-06-03 to 1998-10-30
V1.1.2	December 1998	Vote	V 9909:	1998-12-29 to 1999-02-26