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**ETS 300 436-1**

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**Broadband Integrated Services Digital Network (B-ISDN);  
Signalling ATM Adaptation Layer (SAAL);  
Service Specific Connection Oriented Protocol (SSCOP);  
Part 1: Protocol specification**

[ITU-T Recommendation Q.2110 (1995), modified]

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is part 1 of a multi-part standard covering the Service Specific Connection Oriented Protocol (SSCOP) for the Broadband Integrated Services Digital Network (B-ISDN) as described below:

**Part 1:** "Protocol specification [ITU-T Recommendation Q.2110, modified]";

**Part 2:** "Protocol Implementation Conformance Statement (PICS) proforma specification".

**NOTE:** Further parts covering conformance testing will be identified later.

<b>Transposition dates</b>	
Date of adoption of this ETS:	17 November 1995
Date of latest announcement of this ETS (doa):	28 February 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 August 1996
Date of withdrawal of any conflicting National Standard (dow):	31 August 1996

## Endorsement notice

The text of ITU-T Recommendation Q.2110 (1995) was approved by ETSI as an ETS 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.

**Page 1, clause 1**

Replace clause 1 by:

**1 Scope**

This European Telecommunication Standard (ETS) specifies the Service Specific Connection Oriented Protocol (SSCOP) for the pan-European Broadband Integrated Services Digital Network (B-ISDN) as provided by European public telecommunications operators.

This ETS specifies the peer-to-peer protocol for the transfer of information between any pair of SSCOP entities, the interactions between the SSCOP and the ATM Adaptation Layer (AAL) common part, and the interactions between the SSCOP and the AAL management plane.

Further parts of this ETS specify the method of testing required to identify conformance to this ETS.

This ETS is applicable as defined in the appropriate Service Specific Co-ordination Function (SSCF).

**Page 1, clause 2, first paragraph**

Replace the first paragraph of clause 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.

**Page 1, clause 2**

Insert the following references at the end of clause 2:

- [11] 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]".
- [12] 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]".
- [13] 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]".

**Throughout the text of ITU-T Recommendation Q.2110**

Replace references as shown in the following table.

Reference in ITU-T Recommendation Q.2110	Modified reference
ITU-T Recommendation Q.2130 [9]	ITU-T Recommendation Q.2130 as modified by ETS 300 437-1 [11]
ITU-T Recommendation Q.2140 [10]	ITU-T Recommendation Q.2140 as modified by ETS 300 438-1 [12]
ITU-T Recommendation Q.2931 [5]	ITU-T Recommendation Q.2931 as modified by ETS 300 443-1 [13]

**Page 21, subclause 7.8.1**

Insert after the third paragraph:

In order to prevent potential deadlock situations, the size of the operating window of the protocols at the transmitter should be upper bounded by the value

$$10 \times \text{Timer\_POLL} \times \mu,$$

where  $\mu$  is the maximum allowed mean signalling cellrate.

**Page 78, annex A**

Annex A has the status of a normative annex.

**Pages 79 to 82, annex B**

Delete annex B. It is substituted by ETS 300 436-2.

**Pages 83 to 85, appendix I**

Appendix I has the status of an informative annex.

**Pages 85 to 92, appendix II**

Appendix II has the status of an informative annex.

**Pages 93 to 94, appendix III**

Appendix III has the status of an informative annex.

**Page 95, appendix IV**

Appendix IV has the status of an informative annex.

## History

Document history			
August 1994	Public Enquiry	PE 68:	1994-08-08 to 1994-12-02
September 1995	Vote	V 87:	1995-09-11 to 1995-11-03
November 1995	First Edition		