SLOVENSKI STANDARD
SIST EN 301 276-2 V1.1.3:2005

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Širokopasovno digitalno omrežje z integriranimi storitvami (B-ISDN) - Protokol digitalne naročniške signalizacije št. 2 (DSS2) - Karakteristike zveze - Prilagodilni postopki za parametre trajne celične hitrosti - 2. del: Izjava o skladnosti izvedbe protokola (PICS) - Proforma specifikacija

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 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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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 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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Contents

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Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

The present document is part 2 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 described below:

Part 1: "Protocol specification";

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.

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a given Open Systems Interconnection (OSI) protocol. Such a statement is called a Protocol Implementation Conformance Statement (PICS). The Protocol Specification of the present document, extends the Connection Modification procedures in EN 301 003-1 by supporting the modification of additional ATM traffic descriptors. This PICS provides additional statements of conformance to EN 301 003-2.

National transposition dates	
Date of adoption of this EN:	5 March 1999
Date of latest announcement of this EN (doa):	30 June 1999
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 December 1999
Date of withdrawal of any conflicting National Standard (dow):	31 December 1999

1 Scope

The present document provides the Protocol Interface Conformance Statement (PICS) proforma for the signalling protocol for ATM traffic descriptor modification for the Broadband-Integrated Services Digital Network (B-ISDN) by means of the Digital Subscriber Signalling System No. two (DSS 2) as specified in EN 301 276-1 [2]. It is the second EN in a family of ENs that concern the modification of ATM traffic parameters in B-ISDN connections.

The supplier of a protocol implementation which is claimed to conform to EN 301 276-1 [2] is required to complete a copy of the PICS proforma provided in annex A of the present document in addition to the PICS proforma in EN 301 003-2 and is required to provide the information necessary to identify the supplier and the implementation.

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

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 [1].

2 References

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, subsequent revisions do apply.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

[1] 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]".

[2] EN 301 276-1 (V1.1): "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 Recommendation Q.2963.2 (1997), modified]".

[3] EN 301 003-1: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Peak cell rate modification by the connection owner; Part 1: Protocol Specification [ITU-T Recommendation Q.2963.1 (1996), modified]".

[4] EN 301 003-2: "Broadband Integrated Services Digital Network (B-ISDN); Digital Subscriber Signalling System No. two (DSS2) protocol; Connection characteristics; Peak cell rate modification by the connection owner; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".

[5] Void

[6] Void.

[7] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

[8] Void.

[9] ITU-T Recommendation Q.2963.1 (1996): "Digital Subscriber Signalling System No. 2 - Connection modification: Peak cell rate modification by the connection owner".

[10] ITU-T Recommendation Q.2963.2 (1997): "Digital Subscriber Signalling Systems No. 2 - Connection modification: Modification procedures for sustainable cell rate parameters".

3 Definitions

For the purposes of the present document, the definitions contained in EN 301 003-2 [4] apply.

4 Symbols and abbreviations

For the purposes of the present document, the symbols and abbreviations contained in EN 301 003-2 [4] apply.

5 Conformance

A PICS proforma that conforms to this PICS proforma specification shall be technically equivalent to annex A, and shall preserve the numbering and ordering of the items in annex A.

A PICS proforma that conforms to this PICS proforma specification shall:

a) describe an implementation which conforms to EN 301 276-1 [2];

b) be a conforming PICS proforma, which has been completed in accordance with the instructions for completion given in clause A.1; and

c) include the information necessary to uniquely identify both the supplier and the implementation.

Annex A (normative): PICS proforma for EN 301 276-1

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document may freely reproduce the PICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed PICS.

A.1 Guidance for completing the PICS proforma

A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in EN 301 276-1 [2] may provide information about the implementation in a standardized manner.

The PICS proforma is subdivided into subclauses for the following categories of information:

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the <reference specification type>;
- global statement of conformance;
- <further subclauses>.

A.1.2 Abbreviations and conventions

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [7].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".