

SLOVENSKI STANDARD SIST EN 301 061-2:2001

01-februar-2001

8][]hUbc`ca fYÿ^Y`n`]bhY[f]fUb]a]`ghcf]hj Ua]`fkG8 BŁ!`Dfchc_c``X][]hUbY`bUfc b]ý_Y
g][bU]nUVJ^Y`ýh''%f8 GG%Ł!`; YbYf] b]`Z b_VJ^g_]`dfchc_c``nUdcXdcfc`Xcdc`b]`b]\
ghcf]hYj `j `j ghcdb]`hc _]`"V"`ghcf]hj Y`nUUd`]_UVJ^Y`bUj]XYnbY[U`nUgYVbY[U`ca fYÿ'U
flJ DBŁ!`&"XY. `=n'Uj U`c`g_`UXbcgh]`]nj YXVY`dfchc_c`UfD=7 GŁ!`DfcZcfa U`gdYVJZ_UVJ^Y

Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the b service entry point for Virtual Private Network (VPN) applications; Part 2: Protocol Implementation Conformace Statement (PICS) proformal specification

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ICS:

33.080 Digitalno omrežje z

integriranimi storitvami

(ISDN)

Integrated Services Digital

Network (ISDN)

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European Standard (Telecommunications series)

Integrated Services Digital Network (ISDN);
Digital Subscriber Signalling System No. one (DSS1) protocol;
Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications;
Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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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 European Standard (Telecommunications series) covering the Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications, as identified 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), user";

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Part 5: "Test Suite Structure and Test Purposes (TSS&TP), specification for the network";

Part 6: "Abstract Test Suite (ATS), network".

National transposition dates				
Date of adoption of this EN:	30 October 1998			
Date of latest announcement of this EN (doa):	31 January 1999			
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 July 1999			
Date of withdrawal of any conflicting National Standard (dow):	31 July 1999			

1 Scope

This second part of EN 301 061 is applicable to the generic functional protocol for the support of supplementary services for Virtual Private Network (VPN) applications for the pan-European Integrated Services Digital Network (ISDN) as provided by European public telecommunications operators at the "b service entry point" (as defined in EN 301 060-1 [2]) by means of the DSS1 protocol.

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the ISDN DSS1 generic functional protocol for VPN applications as specified in EN 301 061-1 [4] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [6].

The supplier of a protocol implementation which is claimed to conform to EN 301 061-1 [4] is required to complete a copy of the PICS proforma provided in annex A of the present document and is required to provide the information necessary to identify both the supplier and the implementation.

2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or (standards.iteh.ai)
- d) publications without mention of a specific version, in which case the latest version applies.

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

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[1]	EN 300 403-3: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System
	No. one (DSS1) protocol; Signalling network layer for the circuit-mode basic call control; Part 3:
	Protocol Implementation Conformance Statement (PICS) proforma specification".

- [2] EN 301 060-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Basic call applications; Enhancement at the "b" service entry point for Virtual Private Network (VPN) applications; Part 1: Protocol specification".
- [3] EN 301 060-2: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Basic call applications; Enhancement at the "b" service entry point for Virtual Private Network (VPN) applications; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [4] EN 301 061-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications; Part 1: Protocol specification".
- [5] ISO/IEC 9646-1 (1994): "Information technology; Open systems interconnection; Conformance testing methodology and framework; Part 1: General concepts".
- [6] ISO/IEC 9646-7 (1995): "Information technology; Open systems interconnection; Conformance testing methodology and framework; Part 7: Implementation Conformance Statements".
- [7] ISO/IEC 15056 (1997): "Information technology; Telecommunications and information exchange between systems; Private Integrate Service Network; Inter-exchange signalling protocol; Transit counter additional network feature".

3 Definitions

For the purposes of the present document, the following definitions apply, in addition to those given in EN 301 061-1 [4]:

Protocol Implementation Conformance Statement (PICS): A statement made by the supplier of an OSI implementation or system, stating which capabilities have been implemented for a given OSI protocol (see ISO/IEC 9646-1 [5]).

PICS proforma: A document, in the form of a questionnaire, designed by the protocol specifier or conformance test suite specifier, which, when completed for an OSI implementation or system becomes the PICS (see ISO/IEC 9646-1 [5]).

static conformance review: A review of the extent to which the static conformance requirements are met by the Implementation Under Test (IUT), accomplished by comparing the PICS with the static conformance requirements expressed in the relevant standard(s) (see ISO/IEC 9646-1 [5]).

4 Abbreviations

Yes

supported

For the purposes of the present document, the abbreviations given in EN 301 061-1 [4] and the following apply:

AND	Boolean "and"
C	Conditional requirement (to be observed if the relevant conditions apply)
DSS1	Digital Subscriber Signalling System No. one
IER	Information Elements Received DARD PREVIEW
IET	Information Elements Transmitted
ISDN	Integrated Services Digital Network ds.iteh.ai
IUT	Implementation Under Test
M	Mandatory requirement (to be observed in all cases)
MC	Major Capabilities Major Capabilities Major Capabilities Major Capabilities Major Capabilities Major Capabilities
N/A	Major Capabilities https://spandards.iteh.ai/catalog/standards/sist/648b2af2-7c1b-4517-80b1-Not applicable, not supported or the conditions for status are not met add42b5e62/e/sist-en-301-061-2-2001
No	not supported
NOT	Boolean "not"
O	Option (may be selected to suit the implementation, provided that any requirements applicable to
	the option are observed)
O.n	Options, but support required for either at least one or only one of the options in the group labelled
	with the same numeral "n"
OR	Boolean "or"
OSI	Open Systems Interconnection
P	Parameters
PICS	Protocol Implementation Conformance Statement
R	Role
SC	Subsidiary Capabilities
SCS	System Conformance Statement
SUT	System Under Test
VPN	Virtual Private Network

5 Conformance

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

- a) describe an implementation which claims to conform to EN 301 061-1 [4];
- b) be a conforming ICS proforma which has been completed in accordance with the instructions for completion given in annex A, clause A.1;
- c) include the information necessary to uniquely identify both the supplier and the implementation.

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Annex A (normative): PICS proforma

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 Instructions for completing the PICS proforma

A.1.1 Identification of the implementation

Identification of the IUT and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

The System Conformance Statement (SCS) as defined in ISO/IEC 9646-1 [5] is a document supplied by the client or product supplier that summarizes which OSI International Standards, ITU-T (CCITT) Recommendations, ENs or other standards are implemented and to which conformance is claimed. The PICS/SCS subclause should describe the relationship of the PICS to the SCS.

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A.1.2 Global statement of conformance ai)

If the answer to the statement in this subclause is "Yes", all subsequent subclauses should be completed to facilitate selection of test cases for optional functions, ai/catalog/standards/sist/648b2af2-7c1b-4517-80b1-

If the answer to the statement in this subclause is "No", all subsequent subclauses should be completed, and all non-supported mandatory capabilities should be identified and explained. Explanations may be entered in the comments field at the bottom of each table or on attached sheets of paper.

A.1.3 Explanation of PICS proforma subclauses

The PICS proforma contains a Roles clause and thereafter is presented in two parts (for user and network) with the following subclauses, as required:

- major capabilities;
- subsidiary capabilities;
- protocol data unit support;
- protocol data unit parameters;
- timers;
- call states.

The User clause shall only be completed for user implementations (including private network implementations) while the Network clause shall only be completed for network implementations. The Roles subclause shall be completed for all implementations.

The relationship between this PICS proforma and other related PICS proforma (e.g. the basic call PICS proforma) is expressed in the requirements list contained in annex B. This provides the additional restrictions placed on the related proforma (different conditions, different status, etc.).

A.1.4 Symbols, abbreviations and terms

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 [6].

The reference column contained in the tables gives reference to the appropriate part(s) of EN 301 061-1 [4] describing the particular item. Note, however, that a reference merely indicates the place where the core of a description of an item can be found. Any additional information contained in EN 301 061-1 [4] has to be taken into account when making a statement about the conformance of that particular item.

The following common notations, defined in ISO/IEC 9646-7 [6] are used for the status column:

M mandatory; O optional; N/A not applicable;

O.<integer> for mutually exclusive or selectable options from a set.

The following common notations, defined in ISO/IEC 9646-7 [6] are used for the support column:

Y for supported / implemented;

N for not supported / not implemented.

A.2	Identification of the implementation
A.2.1	Date of the statement DARD PREVIEW (standards.iteh.ai)
A.2.2 IUT name:	Implementation Under Test (LUT) identification https://standards.iteh.ai/catalog/standards/sist/648b2af2-7c1b-4517-80b1- ad242b5e627e/sist-en-301-061-2-2001
IUT version:	
A.2.3 SUT name:	System Under Test (SUT) identification
Hardware co	nfiguration:

Operating s	ystem:
A.2.4	Product supplier
Name:	
Address:	
Telephone 1	number:
Facsimile n	umber:
	nformation: iTeh STANDARD PREVIEW
	(standards.iteh.ai)
	SIST EN 301 061-2:2001 https://standards.iteh.ai/catalog/standards/sist/648b2af2-7c1b-4517-80b1- ad242b5e627e/sist-en-301-061-2-2001
A.2.5	Client
Name:	
Address:	
Telephone 1	number:
Facsimile n	umber:
Additional	nformation:

A.2.6	PICS contact person
Name:	
Address:	
Telephone n	umber:
Facsimile nu	ımber:
Additional is	nformation:
	iTeh STANDARD PREVIEW
A.3 Provide the	PICS / System Conformance Statement (SCS) SIST EN 301 061-2:2001 relationship of the PICS with the SCS for the system st/648b2af2-7c1b-4517-80b1- ad242b5e627e/sist-en-301-061-2-2001
A.4	Identification of the protocol
This PICS p	roforma applies to the following standard:
(DSS1) prot	-1 (V1.2): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one ocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for ate Network (VPN) applications; Part 1: Protocol specification".
A.5	Global statement of conformance
The implem	entation described in this PICS meets all the mandatory requirements of the referenced standard?
[] Yes	
[] No	

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NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming. Explanations may be entered in the comments field at the bottom of each table or on attached pages.

In the tabulations which follow, all references are to EN 301 061-1 [4] unless another numbered reference is explicitly indicated.

A.6 Roles

Table A.1: Roles

Item	Major role:	Conditions for	Status	Reference	Support
	Does the implementation	status			
	Type of implementation				
R 1	not used				
R 2.1	support user requirements?		0.1	1.9, 1.10	[]Yes []No
R 2.2	support network requirements?		0.1	1.9, 1.10	[]Yes []No
R 3	not used				
R 4	not used				
R 5	not used				
O.1	Support of one and only one of these options is required.				
Comments:					•

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User **A.7**

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The tables provided in this clause need only to be completed for user implementations, where item R 2.1 in table A.1 is supported.