



# SLOVENSKI STANDARD PSIST I-ETS 300 308:1996

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**Digitalno omrežje z integriranimi storitvami (ISDN) - Protokol digitalne naročniške signalizacije št. 1 (DSS1) - Izjava o skladnosti izvedbe protokola (PICS) - Proformna specifikacija protokola podatkovne povezovalne plasti za splošne aplikacije (primarni dostop, omrežje)**

Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for data link layer protocol for general application (primary rate access, network)

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**ICS:**

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
35.100.20	Podatkovni povezovalni sloj	Data link layer

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**Integrated Services Digital Network (ISDN);  
Digital Subscriber Signalling System No. one (DSS1)  
Protocol Implementation Conformance Statement (PICS)  
proforma specification for data link layer protocol  
for general application (primary rate access, network)**

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## Foreword

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

An ETSI standard may be given I-ETS status either because it is regarded as a provisional solution ahead of a more advanced standard, or because it is immature and requires a "trial period". The life of an I-ETS is limited to three years after which it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version or be withdrawn.

This I-ETS forms part of a set of I-ETSS completing the documentation of ETS 300 125 (ISDN data link layer protocol) as specified in ISO/IEC 9646-1 (e.g. conformance testing) as follows:

- I-ETS 300 305: "Protocol Implementation Conformance Statement (PICS) proforma specification (basic access, user);
- I-ETS 300 306: "PICS proforma specification (primary rate access, user);
- I-ETS 300 307: "PICS proforma specification (basic access, network);
- I-ETS 300 308: "PICS proforma specification (primary rate access, network);**
- I-ETS 300 309: "Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification (basic access, user);
- I-ETS 300 310: "PIXIT proforma specification (primary rate access, user);
- I-ETS 300 313: "Abstract test suite (user)".

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## Introduction

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).

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## 1 Scope

This Interim European Telecommunication Standard (I-ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for the Integrated Services Digital Network (ISDN) data link layer protocol (primary rate access, network) as specified in ETS 300 125 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-2 [3].

## 2 Normative references

This I-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 I-ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 125 (1991): "Integrated Services Digital Network (ISDN); User-network interface data link layer specification; Application of CCITT Recommendations Q.920/I.440 and Q.921/I.441".
- [2] ISO/IEC 9646-1 (1990): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts" (see also CCITT Recommendation X.290 (1991)).
- [3] ISO/IEC 9646-2 (1990): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification" (see also CCITT Recommendation X.291 (1991)).

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## 3 Definitions

For the purposes of this I-ETS, the following definitions apply:

**Network:** the equipment existing at the network side of the user-network interface.

**Protocol Implementation Conformance Statement (PICS):** a statement made by the supplier of an Open Systems Interconnection (OSI) implementation or system, stating which capabilities have been implemented for a given OSI protocol (see ISO/IEC 9646-1 [2]).

**PICS proforma:** a document, in the form of a questionnaire, which when completed for an OSI implementation or system becomes the PICS (see ISO/IEC 9646-1 [2]).

**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 [2]).

**User:** the equipment existing at the user side of the user-network interface.

## 4 Abbreviations

For the purposes of this I-ETS, the following abbreviations apply:

Ai	Action indicator
ASP	Assignment Source Point
CPE	Customer Premises Equipment
DISC	Disconnect
DLCI	Data Link Connection Identifier
DLE	Data Link Entity
DM	Disconnect Mode
FCS	Frame Check Sequence
FR	prefix for index numbers for the Frames group
FRMR	Frame Reject
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
LAPB	Link Access Procedure - Balanced
LAPD	Link Access Procedure on the D-channel
M	Mandatory
MF	Multiple Frame
N/A	Not Applicable (to ETSI networks)
O	Optional
O.n	Optional, but, if chosen, support is required for either at least one or only one of the options in the group labelled by the same numeral <n>
OSI	Open Systems Interconnection.
PC	prefix for index numbers for Protocol Capabilities group
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
REJ	Reject
Ri	Reference number
SABME	Set Asynchronous Balanced Mode Extended
SAP	Service Access Point
SAPI	Service Access Point Identifier
SCS	System Conformance Statement
SP	prefix for index numbers for the System Parameters group
SUT	System Under Test
TEI	Terminal End-point Identifier
UA	Unnumbered Acknowledgement
UI	Unnumbered Information
XID	eXchange IDentification
Yes:_No:_Value:_	Tick "Yes" if item is supported, tick "No" if item is not supported and insert value where appropriate.
Yes:_No:_X:_	Tick "Yes" if item is supported, tick "No" if item is not supported and insert additional information at "X" where necessary (see also clause A.3)

## 5 Conformance

The supplier of a protocol implementation which is claimed to conform to ETS 300 125 [1] is required to complete a copy of the PICS proforma provided in this I-ETS and is required to provide the information necessary to identify both the supplier and the implementation.

## 6 PICS proforma

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

### 6.1 Identification of the implementation

#### 6.1.1 Implementation Under Test (IUT) identification

IUT name:

.....  
.....

IUT version:

.....

#### 6.1.2 System Under Test (SUT) identification

SUT name:

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Hardware configuration:

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Operating system:

.....

#### 6.1.3 Product supplier

Name:

.....

Address:

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.....  
.....

Telephone number:

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