



SLOVENSKI STANDARD PSIST I-ETS 300 319:1996

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Digitalno omrežje z integriranimi storitvami (ISDN) - Protokol digitalne naročniške signalizacije št. 1 (DSS1) - Delna dodatna informacija za preskušanje izvedbe protokola (PIXIT) - Proformna specifikacija protokola signalizacijske omrežne plasti za krmiljenje osnovnega vodovnega klica (primarni dostop, uporabnik)

Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for signalling network layer protocol for circuit-mode basic call control (primary rate access, user)

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ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
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**Integrated Services Digital Network (ISDN);
Digital Subscriber Signalling System No. one (DSS1);
Partial Protocol Implementation extra Information for Testing
(PIXIT) proforma specification for signalling network layer
protocol for circuit-mode basic call control
(primary rate access, user)**

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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it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version or, be withdrawn.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 300 102-1 (ISDN signalling network layer protocol) as specified in ISO/IEC 9646-1 (e.g. conformance testing) as follows:

I-ETS 300 314:	"Protocol Implementation Conformance Statement (PICS) proforma specification (basic access, user)";
I-ETS 300 315:	"PICS proforma specification (primary rate access, user)";
I-ETS 300 316:	"PICS proforma specification (basic access, network)";
I-ETS 300 317:	"PICS proforma specification (primary rate access, network)";
I-ETS 300 318:	"Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification (basic access, user)";
I-ETS 300 319:	"Partial PIXIT proforma specification (primary rate access, user)";
I-ETS 300 322:	"Abstract test suite specification (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).

In addition to the PICS, it will be normal for the test laboratory to require a Protocol Implementation eXtra Information for Testing (PIXIT) statement based on a proforma, related to a specific abstract test suite and to the relevant means of testing. This PIXIT proforma will normally be provided by the test laboratory to the client with a request for its completion together with the PICS proforma.

The partial PIXIT proforma contained in annex A of this I-ETS is required to be augmented, as necessary, by the test realizer (who produces the executable test suite) and by the test laboratory in order to produce the (non-partial) PIXIT proforma.

The completed PIXIT will normally be used in conjunction with the completed PICS, as it adds precision to the information given in the PICS.

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1 Scope

This Interim European Telecommunication Standard (I-ETS) provides the partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the Integrated Services Digital Network (ISDN) D-channel, layer 3, circuit-mode (primary rate access, user) as specified in ETS 300 102-1 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-1 [4], ISO/IEC 9646-2 [5], ISO/IEC 9646-4 [6] and ISO/IEC 9646-5 [7].

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 300 102-1 (1990): "Integrated Services Digital Network (ISDN); User-network interface layer 3 specifications for basic call control".
- [2] I-ETS 300 315 (1994): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Protocol Implementation Conformance Statement (PICS) proforma specification for signalling network layer protocol for circuit-mode basic call control (primary rate access, user)".
- [3] I-ETS 300 322 (1995): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Abstract Test Suite (ATS) specification for signalling network layer protocol for circuit-mode basic call control (user)".
- [4] ISO/IEC 9646-1 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [5] ISO/IEC 9646-2 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract test suite specification".
- [6] ISO/IEC 9646-4 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 4: Test realization".
- [7] ISO/IEC 9646-5 (1991): "Information processing systems - Open Systems Interconnection - Conformance testing methodology and framework - Part 5: Requirements on test laboratories and clients for the conformance assessment process".

3 Definitions and abbreviations

3.1 Definitions

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

client: Refer to ISO/IEC 9646-1 [4].

Implementation Under Test (IUT): Refer to ISO/IEC 9646-1 [4].

Protocol Implementation Conformance Statement (PICS): Refer to ISO/IEC 9646-1 [4].

PICS proforma: Refer to ISO/IEC 9646-1 [4].

Protocol Implementation eXtra Information for Testing (PIXIT): Refer to ISO/IEC 9646-1 [4].