
Digitalno omrežje z integriranimi storitvami (ISDN) - Protokol digitalne naročniške signalizacije št. 1 (DSS1) - Delna dodatna informacija za preskušanje izvedbe protokola (PIXIT) - Proformna specifikacija protokola podatkovne povezovalne plasti za splošne aplikacije (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 data link layer protocol for general application (primary rate access, user)

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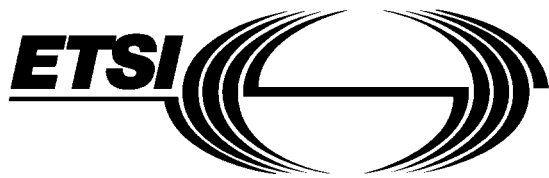
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**Integrated Services Digital Network (ISDN);
Digital Subscriber Signalling System No. one (DSS1);
Partial Protocol Implementation eXtra Information for Testing
(PIXIT) proforma specification for data link layer protocol
for general application (primary 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it can be converted into an ETS, have its life extended for a further two years, be replaced by a new version or, be withdrawn.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 300 125 (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:	"Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification (basic access, user)";
I-ETS 300 310:	"Partial PIXIT proforma specification (primary rate access, user)";
I-ETS 300 313:	"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) data link layer protocol (primary rate access, user) as specified in ETS 300 125 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-1 [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 300 125 (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] I-ETS 300 306 (1994): "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, user)".
- [3] I-ETS 300 313 (1995): "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1); Abstract Test Suite (ATS) specification for data link layer protocol for general application (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].