
Digitalno omrežje z integriranimi storitvami (ISDN) – Osnovni vmesnik uporabnik-omrežje (UNI) – 2. del: Izjava o skladnosti izvedbe (ICS) in dodatne informacije za preskušanje izvedbe (IXIT) – Specifikacija za vmesnik IB

Integrated Services Digital Network (ISDN); Basic User-Network Interface (UNI); Part 3: Implementation Conformance Statement (ICS) and Implementation eXtra Information for Testing (IXIT) specification for interface IB

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ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
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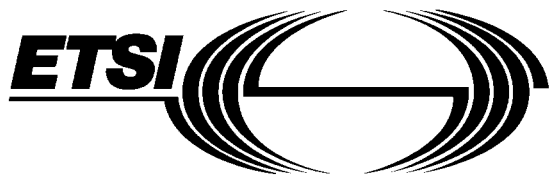
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**Integrated Services Digital Network (ISDN);
Basic User Network Interface (UNI);
Part 3: Implementation Conformance Statement (ICS)
and Implementation eXtra Information for Testing (IXIT)
specification for interface I_B**

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Foreword

This second edition European Telecommunication Standard (ETS) has been produced by the ETSI Technical Committee Transmission and Multiplexing (TM).

This ETS concerns the basic User Network Interface (UNI) for the Integrated Services Digital Network (ISDN) and consists of 7 parts as follows:

- Part 1: "Layer 1 specification";
- Part 2: "Implementation Conformance Statement (ICS) and Implementation Extra Information for Testing (IXIT) for interface I_A";
- Part 3: "Implementation Conformance Statement (ICS) and Implementation Extra Information for Testing (IXIT) for interface I_B";**
- Part 4: "Conformance test specification for interface I_A";
- Part 5: "Conformance test specification for interface I_B";
- Part 6: "Abstract Test Suite (ATS) specification for interface I_A";
- Part 7: "Abstract Test Suite (ATS) specification for interface I_B";

and is based on ITU-T Recommendation I.430 [9].

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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 telecommunication specification. Such a statement is called an Implementation Conformance Statement (ICS).

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1 Scope

This part 3 of ETS 300 012 provides the Protocol Implementation Conformance Statement (PICS) and the Protocol Implementation eXtra Information for Testing (PIXIT) proformas for the ISDN basic rate UNI I_B, layer 1 specification defined in ETS 300 012-1 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-2 [6], ISO/IEC 9646-7 [8] and ETS 300 406 [4].

2 Normative references

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

- [1] ETS 300 012-1 (1998): "Integrated Services Digital Network (ISDN); Basic User Network Interface (UNI); Part 1: Layer 1 specification".
- [2] ETS 300 012-4 (1998): "Integrated Services Digital Network (ISDN); Basic User Network Interface (UNI); Part 4: Conformance test specification for interface I_A".
- [3] ETS 300 012-6 (1998): "Integrated Services Digital Network (ISDN); Basic User Network Interface (UNI); Part 6: Abstract Test Suite (ATS) specification for interface I_A".
- [4] ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [5] ISO/IEC 9646-1 (1994): "Information technology; Open Systems Interconnection; Conformance Testing Methodology and Framework; Part 1: General concepts".
<https://standards.iteh.ai/catalog/standards/sist/1d4a4c46-2e30-4276-abb4-71c74626980/iso-9646-1-1994>
- [6] ISO/IEC 9646-2 (1994): "Information technology; Open Systems Interconnection; Conformance Testing Methodology and Framework; Part 2: Abstract test suite specification".
- [7] ISO/IEC 9646-5 (1994): "Information technology; Open Systems Interconnection; Conformance Testing Methodology and Framework; Part 5: Requirements on test laboratories and clients for the conformance assessment process".
- [8] ISO/IEC 9646-7 (1995): "Information technology; Open Systems Interconnection; Conformance Testing Methodology and Framework; Part 7: Implementation Conformance Statements".
- [9] ITU-T Recommendation I.430 (1995): "Basic user-network interface; layer 1 specification".

3 Definitions and abbreviations

3.1 Definitions

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

- terms defined in ETS 300 012-1 [1];
- terms defined in ISO/IEC 9646-1 [5] and in ISO/IEC 9646-7 [8].

In particular, the following terms defined in ISO/IEC 9646-1 [5] apply:

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.

PICS proforma: A document, in the form of a questionnaire, designed by the protocol specifier or the conformance test suite specifier, which when completed for an OSI implementation or system becomes the PICS.

static conformance review: A review of the extent to which the static conformance requirements are met by the IUT, accomplished by comparing the PICS with the static conformance requirements expressed in the relevant standard(s).

3.2 Abbreviations

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

I _A	Interface point A
I _B	Interface point B
ICS	Implementation Conformance Statement
IUT	Implementation Under Test
IXIT	Implementation eXtra Information for Testing
OSI	Open Systems Interconnection
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
SCS	System Conformance Statement
SUT	System Under Test

4 Conformance to this PICS proforma specification

If it is claimed to conform to this ETS, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma in annex A, and shall preserve the numbering/naming of the proforma items.

A PICS which conforms to this ETS shall be a conforming PICS proforma completed in accordance with the instructions for completion given in clause A.1.

Annex A (normative): PICS proforma for ETS 300 012-1

Notwithstanding the provisions of the copyright clause related to the text of this ETS, ETSI grants that users of this ETS 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 Purpose and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation defined in ETS 300 012-1 [1] may provide information about the implementation in a standardized manner.

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

- instructions for completing the PICS proforma;
- identification of the implementation;
- identification of the reference ETS;
- PICS proforma tables:
 - global statement of conformance;
 - tables.

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 [8].

The reference column contained in the tables gives reference to the appropriate part(s) of ETS 300 012-1 [1] describing the particular item.

NOTE: However, a reference merely indicates the place the core of a description of an item can be found. Any additional information contained in ETS 300 012-1 [1] 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 [8], are used for the status column:

- m** mandatory.
- o** optional.
- n/a** not applicable - in a given context, it is impossible to use the capability.
- o.i** qualified optional - for mutually exclusive or selectable options from a set. "i" is the integer which identifies a unique group of related optional items and the logic of their selection which is defined immediately following the table, in "Optional Status Notes" area.
- ci** conditional- the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying an unique conditional status expression which is defined immediately following the table.
- x** prohibited (excluded) - there is a requirement not to use this capability in the given context.

The following common notations, defined in ISO/IEC 9646-7 [8], are used for the support column:

- y** for supported/implemented.
- n** for not supported/not implemented.
- x** prohibited (excluded) - there is a requirement not to use this capability in the given context.