

**SLOVENSKI STANDARD**  
**SIST I-ETS 300 491-1 E1:2003**  
**01-december-2003**

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**Terminalska oprema (TE) – Preskušanje skladnosti prenosa datotek prek digitalnega omrežja z integriranimi storitvami (ISDN) – 1. del: ETS 300 075 Izjava o skladnosti izvedbe protokola (PICS) - Proforma specifikacija**

Terminal Equipment (TE); Conformance testing for file transfer over the Integrated Services Digital Network (ISDN); Part 1: ETS 300 075 Protocol Implementation Conformance Statement (PICS) proforma

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**Ta slovenski standard je istoveten z: I-ETS 300 491-1 Edition 1**

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**ICS:**

|        |   |  |
|--------|---|--|
| 33.080 | Digitalno omrežje z integriranimi storitvami (ISDN) | Integrated Services Digital Network (ISDN) |
| 35.180 | Terminalska in druga periferna oprema IT            | IT Terminal and other peripheral equipment |

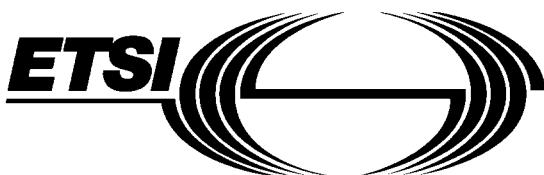
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## Conformance testing for file transfer over (standards.iteh.ai)

### the Integrated Services Digital Network (ISDN);

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#### Part 1: ETS 300 075 Protocol Implementation Conformance Statement (PICS) proforma

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

**Postal address:** F-06921 Sophia Antipolis CEDEX - FRANCE  
**Office address:** 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE  
**X.400:** c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

Tel.: +33 92 94 42 00 - Fax: +33 93 65 47 16

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## Foreword

Part 1 of this Interim European Telecommunication Standard (I-ETS) has been produced by the Terminal Equipment (TE) 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 is the first part of an I-ETS which comprises three parts as follows:

Terminal Equipment (TE); Conformance testing for file transfer over the Integrated Services Digital Network (ISDN):

**Part 1: ETS 300 075 Protocol Implementation Conformance Statement (PICS) proforma;**

Part 2: ETS 300 075 Test Suite Structure and Test Purposes (TSS&TP);

Part 3: Conformance testing for ETS 300 075 restricted by ETS 300 383 - Abstract Test Suite (ATS).

| <b>Proposed announcement date</b>                |                  |
|--|------------------|
| Date of adoption of this I-ETS:                  | 30 August 1996   |
| Date of latest announcement of this I-ETS (doa): | 31 December 1996 |

## Introduction

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To evaluate the conformance of a particular implementation, a statement of which capabilities and options have been implemented for a given specification is needed. Such a statement is called a Protocol Implementation Conformance Statement (PICS).

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## 1 Scope

Part 1 of this Interim European Telecommunication Standard (I-ETS) provides a Protocol Implementation Conformance Statement (PICS) proforma for the Telesoftware Data Unit (TDU) layer protocol requirements of ETS 300 075 [1], in compliance with the relevant requirements, and in accordance with the relevant guidance, given in ISO/IEC DIS 9646-7 [4].

## 2 Normative references

Part 1 of this I-ETS incorporates by dated or 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 part of the 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 300 075 (1994): "Terminal Equipment (TE); Processable data, File transfer".
- [2] ISO/IEC 9646-1 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [3] ISO/IEC 9646-2 (1994): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 2: Abstract Test Suite specification".
- [4] ISO/IEC DIS 9646-7 (1993): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".  
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- [5] ITU-T Recommendation T.51 (1993): "Coded character sets for telematic services"  
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### 3 Definitions and abbreviations

#### 3.1 Definitions

For the purposes of this part of the I-ETS, the definitions in ETS 300 075 [1] and ISO/IEC DIS 9646-7 [4] apply along with the following terms defined in ISO/IEC 9646-1 [2]:

**Protocol Implementation Conformance Statement (PICS):** An Implementation Conformance Statement (ICS) for an implementation or system claimed to conform to a given protocol specification.

**PICS proforma:** An ICS proforma for a protocol specification.

#### 3.2 Abbreviations

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

|                    |   |
|--------------------|---|
| BK                 | Basic Kernel                                  |
| ICS                | Implementation Conformance Statement          |
| ISDN               | Integrated Services Digital Network           |
| IUT                | Implementation Under Test                     |
| PDU                | Protocol Data Unit                            |
| PICS               | Protocol Implementation Conformance Statement |
| SCS                | System Conformance Statement                  |
| Spt                | Support                                       |
| SS or Sym. Service | Symmetrical Service                           |
| Sts                | Status  |
| SUT                | System Under Test                             |
| TDU                | Telesoftware Data Unit                        |
| TE                 | Terminal Equipment                            |
| TTCN               | Tree and Tabular Combined Notation            |

### 4 Conformance requirement concerning PICS

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The supplier of a protocol implementation which is claimed to conform to ETS 300 075 [1] shall complete a copy of the PICS proforma provided in annex A and shall provide the information necessary to identify both the supplier and the implementation.

**Annex A (normative): PICS proforma for ETS 300 075**

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 ICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed ICS.

The following table of contents refers to the location of the tables containing the indexed questions of annex A.

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## A.1 Instructions for completing the PICS proforma

### A.1.1 Purposes and structure

The purpose of this PICS is to provide a mechanism whereby a supplier of an implementation of the requirements of ETS 300 075 [1] may provide information in a standard form.

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

- implementation details;
- protocol details;
- overall conformance claim;
- static requirements:
  - 1) roles;
  - 2) major capabilities;
  - 3) negotiation capabilities;
  - 4) Protocol Data Units (PDU);
  - 5) Protocol Data Units parameters.
- timer;
- supplementary services;
- dynamic requirements.

### A.1.2 Symbols, abbreviations and conventions

The PICS proforma contained in this annex is comprised of information in a tabular form in accordance with the guidelines presented in ISO/IEC DIS 9646-7 [4].

References within tables are to ETS 300 075 [1], except where explicitly stated.

**A.1.2.1 Standardized symbols for the status column**

The following notations, defined in ISO/IEC 9646-2 [3] are used in the proforma to indicate the status of a question:

- m (mandatory): the capability shall be implemented, in conformance with the protocol standard;
- o (optional): the capability may be implemented, and if it is implemented it shall conform to the protocol specification (cf. ISO/IEC 9646-1 [2], clause A.3);
- o.n (optional): the capability may be implemented, and if it is implemented it shall conform to the protocol specification, and the option is mutually exclusive or selectable among a set (cf. ISO/IEC 9646-1 [2], clause A.3);
- x (prohibited): there is a requirement not to use this capability in a given context;
- c (conditional): the requirement on the capability depends on the selection of other optional or conditional items;
- n/a (not applicable): in the given context the base specification makes it impossible to use this capability.

If appropriate, a "c" followed by an integer is placed in the status column, providing a reference to a conditional status expression defined as a note inside the table. As defined in ISO/IEC DIS 9646-7 [4], this predicate expression is consistent with Tree and Tabular Combined Notation (TTCN) boolean expressions (i.e. IF ... THEN (IF ... THEN ..... ELSE) ELSE .....). In all cases, "ELSE n/a" is implied if an ELSE clause is omitted.

**iTeh STANDARD PREVIEW****A.1.2.2 Standardized symbols for the support column****(standards.itech.ai)**

To specify the level of support for all entries, the standardized symbols for the support column shall be as follows:

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- y (supported): <https://standards.itech.ai/cstd1a1/tcd1a1/jct/19811884/c3n4m1.8.7d> the capability is implemented in conformance with the ETS; cbBa0221a50/sist-i-ets-300-491-1-e1-2003
- n (not supported): the capability is not implemented;
- n/a (no answer required): the question has a status value of either not applicable or out of scope.

**A.1.2.3 The supported values column**

A "supported" values column, if appropriate, in which the values or ranges of values supported can be indicated, as well as type and length, if relevant.

**A.1.3 Instructions for completing the PICS**

The supplier of the implementation shall enter an explicit statement in each of the boxes provided, using the notation described in subclause A.1.2. A specific instruction is provided in the text which precedes each table.