



SLOVENSKI STANDARD

SIST ETS 300 836-2 E1:2006

01-februar-2006

Širokopasovna radijska dostopovna omrežja (BRAN) – Zelo zmogljivo radijsko lokalno omrežje (HIPERLAN), tip 1 – Specifikacija za preskušanje skladnosti – 2. del: Izjava o skladnosti izvedbe protokola (PICS) - Proforma specifikacija

Broadband Radio Access Networks (BRAN); High Performance Radio Local Area Network (HIPERLAN) Type 1; Conformance testing specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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Ta slovenski standard je istoveten z: ETS 300 836-2 Edition 1

ICS:

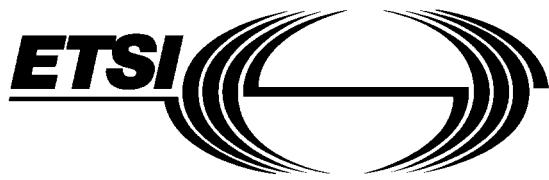
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| 33.060.01 | Radijske komunikacije na splošno | Radiocommunications in general |
| 35.110 | Omreževanje | Networking |

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EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 836-2

May 1998

Source: BRAN

Reference: DE/BRAN-10-02A

ICS: 33.020

Key words: HIPERLAN, LAN, radio, testing

**Broadband Radio Access Networks (BRAN);
High Performance Radio Local Area Network (HIPERLAN)
Type 1;
Conformance testing specification;
Part 2: Protocol Implementation Conformance Statement (PICS)
proforma specification**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the ETSI Project Broadband Radio Access Networks (BRAN) of the European Telecommunications Standards Institute (ETSI).

This ETS consists of 4 parts:

Part 1: "Radio type approval and Radio Frequency (RF) conformance test specification";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification";

Part 4: "Abstract Test Suite (ATS) specification".

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).

| Transposition dates | |
|-----------------------------------------------------------------------------------------|------------------|
| Date of adoption of this ETS: | 1 May 1998 |
| Date of latest announcement of this ETS (doa): | 31 August 1998 |
| Date of latest publication of new National Standard or endorsement of this ETS (dop/e): | 28 February 1999 |
| Date of withdrawal of any conflicting National Standard (dow): | 28 February 1999 |

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1 Scope

This European Telecommunication Standard (ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for the RES HIPERLAN protocol as specified in ETS 300 652 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3].

The supplier of a protocol implementation which is claimed to conform to ETS 300 652 [1] is required to complete a copy of the PICS proforma provided in annex A of this ETS and is required to provide the information necessary to identify both the supplier and the implementation.

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 300 652 (1996) and prA1 (1996): "Radio Equipment and Systems (RES); High Performance Radio Local Area Network (HIPERLAN); Type 1; Functional specification".
- [2] ISO/IEC 9646-1 (1994): "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [3] ISO/IEC 9646-7 (1994): "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

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3 Definitions and abbreviations

- 3.1 **Definitions** [SIST ETS 300 836-2 E1:2006](https://standards.iteh.ai/catalog/standards/sist/50061bce-5b6b-4439-a543-7f9d40a2c8c9/sist-ets-300-836-2-e1-2006)
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For the purposes of this ETS, the following definitions apply, in addition to those given in ETS 300 652 [1]:

PICS proforma: A document, in the form of a questionnaire, designed by the protocol specifier or conformance test suite specifier, which, when completed for an OSI implementation or system, becomes the PICS (see ISO/IEC 9646-1 [2]).

Protocol Implementation Conformance Statement (PICS): A statement made by the supplier of an OSI implementation or system, stating which capabilities have been implemented for a given OSI protocol (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]).

3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply, in addition to those given in ETS 300 652 [1]:

| | |
|-----|------------------------------------------------------------------------|
| AND | Boolean "and" |
| ATS | Abstract Test Suite |
| HEU | HIPERLAN Enhancement Unit |
| IUT | Implementation Under Test |
| M | Mandatory requirement (to be observed in all cases) |
| MC | Major Capabilities |
| N/A | Not applicable, not supported or the conditions for status are not met |
| No | not supported |
| NOT | Boolean "not" |

| | |
|--------|----------------------------------------------------------------------------------------------------------------------------------|
| O | Option (may be selected to suit the implementation, provided that any requirements applicable to the option are observed) |
| O.n | Options, but support required for either at least one or only one of the options in the group labelled with the same numeral "n" |
| OR | Boolean "or" |
| OSI | Open Systems Interconnection |
| P | Parameters |
| PICS | Protocol Implementation Conformance Statement |
| RF | Radio Frequency |
| SC | Subsidiary Capabilities |
| SCS | System Conformance Statement |
| SUT | System Under Test |
| TM | Timers |
| TSS&TP | Test Suite Structure and Test Purposes |
| X | Prohibited |
| Yes | Supported |

4 Conformance

A PICS proforma which conforms to this PICS proforma specification shall be technically equivalent to annex A, and shall preserve the numbering and ordering of the items in annex A.

A PICS which conforms to this PICS proforma specification shall:

- a) describe an implementation which claims to conform to ETS 300 652 [1];
- b) be a conforming PICS proforma which has been completed in accordance with the instructions for completion given in clause A.1;
- c) include the information necessary to uniquely identify both the supplier and the implementation.

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Annex A (normative): PICS proforma

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 Instructions for completing the PICS proforma

A.1.1 Identification of the implementation

Identification of the Implementation Under Test (IUT) and the system in which it resides, the System Under Test (SUT) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

The System Conformance Statement (SCS) as defined in ISO/IEC 9646-1 [2] is a document supplied by the client or product supplier that summarizes which OSI International Standards, ETSS or other standards are implemented and to which conformance is claimed. The PICS/SCS subclause should describe the relationship of the PICS to the SCS.

A.1.2 Global statement of conformance

If the answer to the statement in this subclause is "Yes", all subsequent subclauses should be completed to facilitate selection of test cases for optional functions.

If the answer to the statement in this subclause is "No", all subsequent subclauses should be completed, and all non-supported mandatory capabilities should be identified and explained. Explanations may be entered in the comments field at the bottom of each table or on attached sheets of paper.

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A.1.3 Symbols, abbreviations and terms

The PICS proforma contained in this annex is comprized of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [3].

The reference column contained in the tables gives reference to the appropriate part(s) of ETS 300 652 [1] describing the particular item. Note, however, that a reference merely indicates the place where the core of a description of an item can be found. Any additional information contained in ETS 300 652 [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 [3], are used for the status column:

| | |
|-------------|---------------------------------------------------------|
| M | mandatory |
| O | optional |
| N/A | not applicable |
| O.<integer> | for mutually exclusive or selectable options from a set |
| X | prohibited (excluded) |

The following common notations, defined in ISO/IEC 9646-7 [3], are used for the support column:

| | |
|-----|-----------------------------------|
| Yes | for supported/implemented |
| No | for not supported/not implemented |
| N/A | not applicable |