



# SLOVENSKI STANDARD

## SIST EN 301 811-1-1 V1.1.1:2006

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ü]fc\_cdUgcj bUfUX]g UXcglcdcj bUca fYy'Uf6 F5 BŁĚ'NYc'na c[ `]j c'fUX]g\_c  
`c\_Ubc`ca fYy'Yfk=Đ9 F @ Błž]d' & Ě'GdYWZ\_UWU'nUdfYg\_i yUb'Y'g`UXbcgH  
dU\_YbY'\_cbj Yf[ Yb bY'd'Ugh] Ě'%XY.'G\_i db]XY'Ě'%dcXXY.'nUj Uc'g`UXbcgH  
]nj YXVY'dfclc\_c`UfD=7 GŁ!'DfcZcfa UgdYWZ\_UWU

Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the packet based convergence layer; Part 1: Common part; Sub-part 1: Protocol Implementation Conformance Statement (PICS) proforma

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### ICS:

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

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# ETSI EN 301 811-1-1 V1.1.1 (2001-01)

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*European Standard (Telecommunications series)*

**Broadband Radio Access Networks (BRAN);  
HIPERLAN Type 2;  
Conformance testing for the  
packet based convergence layer;  
Part 1: Common part;  
Sub-part 1: Protocol Implementation Conformance  
Statement (PICS) proforma**

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**Keywords**

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## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Project Broadband Radio Access Networks (BRAN).

The present document is sub-part 1 of a multi-part deliverable covering Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Conformance testing for the packet based convergence layer; Part 1: Common part, as identified below:

**Sub-part 1: "Protocol Implementation Conformance Statement (PICS) proforma";**

Sub-part 2: "Test Suite Structure and Test Purposes (TSS&TP) specification";

Sub-part 3: "Abstract Test Suite (ATS) specification".

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### National transposition dates

|  |                 |
|--|-----------------|
| Date of adoption of this EN:   | 19 January 2001 |
| Date of latest announcement of this EN (doa):  | 30 April 2001   |
| Date of latest publication of new National Standard or endorsement of this EN (dop/e): | 31 October 2001 |
| Date of withdrawal of any conflicting National Standard (dow):                         | 31 October 2001 |

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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 a Protocol Implementation Conformance Statement (PICS).

---

# 1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the packet based convergence layer for HIPERLAN 2; Part 1: Common part, as defined in TS 101 493-1 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [4] and ETS 300 406 [2].

It details in tabular form the implementation options, i.e. the optional functions additional to those which are mandatory to implement.

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# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.
- A non-specific reference to an ETS shall also be taken to refer to later versions published as an EN with the same number.

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- [1] ETSI TS 101 493-1 (V1.1.1): "Broadband Radio Access Networks (BRAN); HIPERLAN Type 2; Packet based Convergence Layer; Part 1: Common Part".
- [2] ETSI ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [3] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [4] ISO/IEC 9646-7: "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

For the purposes of the present document, the following terms and definitions apply:

- terms defined in TS 101 493-1 [1];
- terms defined in ISO/IEC 9646-1 [3] and in ISO/IEC 9646-7 [4].

In particular, the following terms, defined in ISO/IEC 9646-1 [3], apply:

**Implementation Conformance Statement (ICS):** statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc

**ICS proforma:** document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS

**Protocol ICS (PICS):** ICS for an implementation or system claimed to conform to a given protocol specification

## 3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

|       |                                      |
|-------|--------------------------------------|
| AP    | Access Point                         |
| CC    | Central Controller                   |
| CL    | Convergence Layer                    |
| CPCS  | Common Part Convergence Sublayer     |
| DLC   | Data Link Control                    |
| EC    | Error Control                        |
| ICS   | Implementation Conformance Statement |
| IUT   | Implementation Under Test            |
| MT    | Mobile Terminal                      |
| MTU   | Maximum Transmission Unit            |
| PAD   | Packet Assembly/Disassembly facility |
| PDU   | Protocol Data Unit                   |
| PICS  | Protocol ICS                         |
| SAR   | Segmentation and Re-assembly         |
| SCS   | System Conformance Statement         |
| SUT   | System Under Test                    |
| T_RAS | Re-ASsembly Timer                    |

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## 4 Conformance to this PICS proforma specification

If it claims to conform to the present document, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in Annex A, and shall preserve the numbering/naming and ordering of the proforma items.

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A PICS which conforms to the present document shall be a conforming PICS proforma completed in accordance with the guidance for completion given in Clause A.1.

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## Annex A (normative): Protocol ICS proforma for TS 101 493-1

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document 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.

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### A.1 Guidance for completing the PICS proforma

#### A.1.1 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in TS 101 493-1 may provide information about the implementation in a standardized manner.

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

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the TS 101 493-1;
- global statement of conformance;
- roles;
- major capabilities;
- PDUs;
- PDU parameters.

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#### 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.

##### Item column

The item column contains a number which identifies the item in the table.

##### Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".