



**SLOVENSKI STANDARD**  
**SIST EN 300 347-2 V2.1.3:2005**  
**01-april-2005**

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**Vmesniki V pri digitalnih krajevnih centralah (LE) - Vmesnik V5.2 za podporo dostopovnemu omrežju (AN) - 2. del: Izjava o skladnosti izvedbe protokola (PICS) – Proforma specifikacija**

V interfaces at the digital Local Exchange (LE); V5.2 interface for the support of Access Network (AN); Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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# ETSI EN 300 347-2 V2.1.3 (1999-12)

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*European Standard (Telecommunications series)*

**V interfaces at the digital Local Exchange (LE);  
V5.2 interface for the support of Access Network (AN);  
Part 2: Protocol Implementation Conformance  
Statement (PICS) proforma specification**

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## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

The present document is part 2 of a multi-part standard covering the V5.2 interface as described below:

- Part 1: "V5.2 interface specification";
- Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";**
- Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network layer (AN side)";
- Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network layer (AN side)";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network layer (LE side)";
- Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network layer (LE side)";
- Part 7: "Test Suite Structure and Test Purposes (TSS&TP) specification for the data link layer";
- Part 8: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the data link layer";
- Part 9: "Test specification for the physical layer".

### National transposition dates

Date of adoption of this EN:	10 December 1999
Date of latest announcement of this EN (doa):	31 March 2000
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2000
Date of withdrawal of any conflicting National Standard (dow):	30 September 2000

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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).

NOTE: It is however possible to use the present document to indicate the basic requirements for an Access Network (AN) or a Local Exchange (LE) required by a network operator. Specific requirements need to be added, e.g. the Public Switched Telephone Network (PSTN) port characteristics and conditions.

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## 1 Scope

This second part of EN 300 347 defines the Protocol Implementation Conformance Statement (PICS) proforma for the implementation flexibility allowed for a V5.2 interface defined in EN 300 347-1 [3] and the complementary standard EN 300 324-1 [1]. It allows either the Network Operator to formulate the requirements for V5.2 interface implemented in an Access Network (AN) or a Local Exchange (LE), or to decide whether an implementation meets these requirements. It details in tabular form the implementation options, i.e. the optional functions additional to those which are mandatory to implement.

The present document is in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [5].

---

## 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] EN 300 324-1 (V2.1): "V interfaces at the digital Local Exchange (LE); V5.1 interface for the support of Access Network (AN); Part 1: V5.1 interface specification".  
<https://standards.iteh.ai/catalog/standards/sist/2c485938-33f9-4439-8ca9-2c1184479184/v-interfaces-at-the-digital-local-exchange-le-v5.1-interface-for-the-support-of-access-network-an-part-1-v5.1-interface-specification>
- [2] EN 300 324-2 (V2.1): "V interfaces at the digital Local Exchange (LE); V5.1 interface for the support of Access Network (AN); Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [3] EN 300 347-1 (V2.2): "V interfaces at the digital Local Exchange (LE); V5.2 interface for the support of Access Network (AN); Part 1: V5.2 interface specification".
- [4] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [5] 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

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

**Protocol Implementation Conformance Statement (PICS):** 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 (see ISO/IEC 9646-1 [4])

**PICS proforma:** 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 [4])

**Static conformance review:** 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 [4])

---

## 4 Abbreviations

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

AN	Access Network
AND	Boolean "and"
C	Conditional requirements (to be observed if the relevant conditions apply)
DTMF	Dual Tone Multiple Frequency
ID	Identification
IUT	Implementation Under Test
LE	Local Exchange
M	Mandatory requirements (these are to be observed in all cases)
N/A	Not supported, not applicable or the conditions for status are not met
No	Not supported
NOT	Absence of the item
NT1	Network Termination 1
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
PICS	Protocol Implementation Conformance Statement
PSTN	Public Switched Telephone Network
SCS	System Conformance Statement
SUT	System Under Test
Yes	Supported

---

## 5 Conformance

The supplier of a protocol implementation which is claimed to conform to EN 300 347-1 [3] and to EN 300 324-1 [1] as appropriate is required to complete a copy of the PICS proforma provided in the present document and is required to provide the information necessary to identify both the supplier and the implementation.

The source file of the PICS proforma is contained in a .zip file which accompanies the present document.

## 6 PICS proforma

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 clause so that it can be used for its intended purposes and may further publish the completed PICS.

### 6.1 Identification of the implementation

#### 6.1.1 Implementation Under Test (IUT) identification

IUT name:

.....  
 .....

IUT version:

.....

#### 6.1.2 System Under Test (SUT) identification

SUT name:

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Hardware configuration:

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.....  
 .....

Operating system:

.....

#### 6.1.3 Product supplier

Name:

.....

Address:

.....  
 .....

Telephone number:

.....

Facsimile number:

.....

Additional information:

.....  
.....  
.....

#### 6.1.4 Client

Name:

.....

Address:

.....  
.....  
.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

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#### 6.1.5 PICS contact person

Name:

.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

.....  
.....  
.....

## 6.2 PICS/System Conformance Statement (SCS)

Provide the relationship of the PICS with the SCS for the system:

.....

.....

.....

.....

## 6.3 Identification of the protocol

This PICS proforma applies to the following standards:

EN 300 347-1 (V2.1): "V interfaces at the digital Local Exchange (LE), V5.2 interface for the support of Access Network (AN); Part 1: V5.2 interface specification", and the complementary standard EN 300 324-1 [1].

## 6.4 Global statement of conformance

The implementation described in this PICS meets all the mandatory requirements of the referenced Standard.

Yes

No

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NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming.

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EN 300 347-1 [3] is based on EN 300 324-1 [1] and contains only the additional requirements for the V5.2 interface. The present document, however, provides the complete PICS proforma for the V5.2 interface and therefore makes reference to both ETSS in the conformance statement tables.

Index names in the following tables are identical for identical statements in EN 300 324-2 [6]; for statements which are not identical to EN 300 324-2[7], instead of letters "M", "P" and "U" the letters "N", "R" and "V" are used for the respective index designations.