SLOVENSKI STANDARD
SIST ETS 300 347-2:1997

01-november-1997

Signalizacijski protokoli in komutacija (SPS) - Vmesniki "V" pri digitalnih krajevnih centralah (LE) - Vmesnik V5.2 za podporo dostopovnega omrežja (AN) - 2. del: Proformna izjava o skladnosti izvedbe protokola (PICS)

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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

Ta slovenski standard je istoveten z: **ETS 300 347-2 Edition 1**

ICS:

33.040.30	Komutacijski in signalizacijski sistem	Switching and signalling systems

SIST ETS 300 347-2:1997 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)
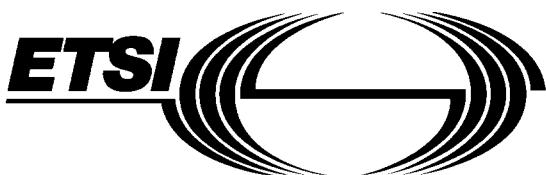
ETSI

EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 347-2

September 1994

Source: ETSI TC-SPS

Reference: DE/SPS-03003.6

ICS: 33.080

Key words: V interface, V5 interface, LE, AN, PICS

Signalling Protocols and Switching (SPS); 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

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

New presentation - see History box

Page 2
ETS 300 347-2: September 1994

iTeh STANDARD PREVIEW

(standards.iteh.ai)

Contents

Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS 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";

Part 3:   "Test Suite Structure and Test Purposes (TSS&TP) for the network layer, Access Network (AN) side";

Part 4:   "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the network layer, AN side";

Part 5:   "TSS&TP for the network layer, Local Exchange (LE) side";

Part 6:   "ATS and partial PIXIT proforma for the network layer, LE side";

Part 7:   "TSS&TP for the data link layer";

Part 8:   "ATS and partial PIXIT proforma for the data link layer";

Part 9:   "Test specification for the physical layer".

iTeh STANDARD PREVIEW

Transposition dates	
Date of latest announcement of this ETS (doa):	31 December 1994
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 June 1995
Date of withdrawal of any conflicting National Standard (dow):	30 June 1995

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 this ETS 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.

Blank page

iTeh STANDARD PREVIEW

(standards.iteh.ai)

Page 7
ETS 300 347-2: September 1994

1 Scope

This second part of ETS 300 347 defines the Protocol Implementation Conformance Statement (PICS) proforma for the implementation flexibility allowed for a V5.2 interface defined in ETS 300 347-1 [2] and the complementary standard ETS 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.

This ETS is in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [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 300 324-1 (1994): "Signalling Protocols and Switching (SPS); 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]   ETS 300 347-1 (1994): "Signalling Protocols and Switching (SPS); V interfaces at the digital Local Exchange (LE); V5.2 interface for the support of Access Network (AN); Part 1: V5.2 interface specification".

[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".

3 Definitions

For the purposes of this ETS, the following definitions 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 (see ISO/IEC 9646-1 [3]).

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 [3]).

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 [3]).

4 Abbreviations

For the purposes of this ETS, 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
TS	Time Slot
Yes	Supported

5 Conformance

The supplier of a protocol implementation which is claimed to conform to ETS 300 347-1 [2] and to ETS 300 324-1 [1] as appropriate is required to complete a copy of the PICS proforma provided in this ETS and is required to provide the information necessary to identify both the supplier and the implementation.

6 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 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:

....

....

Hardware configuration:

....

....

....

Operating system:

....

6.1.3 Product supplier

Name:

....

Address:

....

....

....

Telephone number:

....

Facsimile number:

....

Additional information:

....

....

....

6.1.4 Client

Name:

....

Address:

....

....

....

Telephone number:

iTeh STANDARD PREVIEW

(standards.iteh.ai)
....

Facsimile number:

....

Additional information:

....

....

....

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:

ETS 300 347-1 (1994): "Signalling Protocols and Switching (SPS); 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 ETS 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**

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.