



**SLOVENSKI STANDARD**  
**SIST EN 302 091-2 V1.1.3:2005**  
**01-januar-2005**

ü]fc\_cdUgcj bc`X][ ]HJbc`ca fYÿ`Y`n`]bhY[ f]fUbj]a ]`g]cf]h] Ua ]`f6 !-G8 BŁ]b  
 ý]fc\_cdUgcj bc`nUgYVbc`ca fYÿ`Y`n`]bhY[ f]fUbj]a ]`g]cf]h] Ua ]`f6 !D-GBŁĚ`8 ][ ]HJbU  
 bUfc b]ý\_Ug][ bU]nUWY`U`ýH`+`f8 GG&žý]fc\_cdUgcj bUg][ bU]nUWY`U`a YX`WYbfU`Ua ]  
 f6 !E G= Ł]b`g][ bU]nUWY`U`ýH`+`f8 G+ŁĚ`DfYXdc[ UUb`Y`Ě`&`XY` .`n`Uj U`c`g`\_UXbcgh  
 ]nj YXVY`dfc]c`\_c`U`fD`7 GLĚ`DfcZ`fa UgdYWZ]\_UWY`U

Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN); Digital Subscriber Signalling System No. two (DSS2), Broadband Inter-Exchange Signalling (B-QSIG), and Signalling System No. 7 (SS7); Prenegotiation; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

<https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005>

**Ta slovenski standard je istoveten z: EN 302 091-2 Version 1.1.3**

**ICS:**

33.040.35	Telefonska omrežja	Telephone networks
33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)

**SIST EN 302 091-2 V1.1.3:2005 en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 302 091-2 V1.1.3:2005](https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005)

<https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005>

# ETSI EN 302 091-2 V1.1.3 (1999-11)

---

*European Standard (Telecommunications series)*

**Broadband Integrated Services Digital Network (B-ISDN) and  
Broadband Private Integrated Services Network (B-PISN);  
Digital Subscriber Signalling System No. two (DSS2),  
Broadband Inter-Exchange Signalling (B-QSIG),  
and Signalling System No. 7 (SS7);  
Prenegotiation;  
Part 2: Protocol Implementation Conformance  
Statement (PICS) proforma specification**

---

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 302 091-2 V1.1.3:2005](https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005)

<https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005>



---

**Reference**

DEN/SPS-05131-2 (jd0i0ie0.PDF)

---

**Keywords**

B-ISUP, broadband, ISDN, ISPBX, PICS, QSIG,  
SS7, B-ISDN, DSS2, B-QSIG

**ETSI**

---

**Postal address**

F-06921 Sophia Antipolis Cedex - FRANCE

---

**Office address**

650 Route des Lucioles - Sophia Antipolis  
Valbonne - FRANCE

Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - NAF 742 C

Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° 7803/88

---

**Internet**

secretariat@etsi.fr

Individual copies of this ETSI deliverable  
can be downloaded from

<http://www.etsi.org>

If you find errors in the present document, send your  
comment to: editor@etsi.fr

---

**Important notice**

This ETSI deliverable may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference should be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

---

**Copyright Notification**

No part may be reproduced except as authorized by written permission.  
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1999.  
All rights reserved.

# Contents

Intellectual Property Rights .....	4
Foreword.....	4
Introduction .....	4
1 Scope .....	5
2 References .....	5
3 Definitions and abbreviations .....	5
3.1 Definitions .....	5
3.2 Abbreviations .....	6
4 Conformance .....	6
<b>Annex A (normative): PICS proforma for EN 302 091-1.....</b>	<b>7</b>
A.1 Guidance for completing the PICS proforma.....	7
A.1.1 Purposes and structure .....	7
A.1.2 Abbreviations and conventions.....	7
A.1.3 Instructions for completing the PICS proforma.....	8
A.2 Identification of the implementation .....	9
A.2.1 Date of the statement .....	9
A.2.2 Implementation Under Test (IUT) identification .....	9
A.2.3 System Under Test (SUT) identification .....	9
A.2.4 Product supplier.....	9
A.2.5 Client .....	10
A.2.6 PICS contact person .....	10
A.3 Identification of the protocol.....	11
A.4 Global statement of conformance .....	11
A.5 Roles.....	11
A.6 Major Capabilities.....	12
A.7 Application protocol data units .....	12
A.8 Timers .....	13
A.9 Interworking .....	13
Bibliography .....	14
History .....	15

ITAH STANDARD PREVIEW  
(standards.iteh.ai)

SIST EN 302 091-2 V1.1.3:2005

[https://standards.iteh.ai/catalog/standards/sist/86a75f61-dacc-4cf5-a0b8-](https://standards.iteh.ai/catalog/standards/sist/86a75f61-dacc-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005)

[62ae19a0c743/sist-en-302-091-2-v1-1-3-2005](https://standards.iteh.ai/catalog/standards/sist/86a75f61-dacc-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005)

## Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://www.etsi.org/ipr>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS) in collaboration with ECMA TC32-TG15.

The present document is part 2 of a multi-part standard covering the Digital Subscriber Signalling System No. 2 (DSS2), Broadband Inter-Exchange Signalling (B-QSIG), and Signalling System No. 7 (SS7) protocol specification for Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN) Prenegotiation, as described below:

Part 1: "Protocol 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) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification".

<https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005>

National transposition dates	
Date of adoption of this EN:	5 November 1999
Date of latest announcement of this EN (doa):	29 February 2000
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 August 2000
Date of withdrawal of any conflicting National Standard (dow):	31 August 2000

## 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).

---

# 1 Scope

This second part of EN 302 091 is applicable to the Prenegotiation protocol at the  $Q_B$ ,  $S_B$ ,  $T_B$  and co-incident  $S_B/T_B$  reference points within, between and at the access to Broadband Private Integrated Services Networks and within, between and at the access to public Broadband Integrated Services Digital Networks.

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the Prenegotiation protocol as specified in EN 302 091-1 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3].

---

# 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.

- [1] EN 302 091-1 (V1.1): "Broadband Integrated Services Digital Network (B-ISDN) and Broadband Private Integrated Services Network (B-PISN): Digital Subscriber Signalling System No. two (DSS2), Broadband Inter-Exchange Signalling (B-QSIG), and Signalling System No. 7 (SS7); Prenegotiation; Part 1: Protocol specification".
- [2] ISO/IEC 9646-1: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [3] ISO/IEC 9646-7: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

---

# 3 Definitions and abbreviations

## 3.1 Definitions

For the purposes of the present document, the following definitions apply, in addition to those given in EN 302 091-1 [1]:

**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 [2])

**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 [2])

## 3.2 Abbreviations

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

ICS	Implementation Conformance Statement
IUT	Implementation Under Test
MC	Major Capabilities
MR	Messages Received
MT	Messages Transmitted
PRN	Prenegotiation
OSI	Open Systems Interconnection
PICS	Protocol Implementation Conformance Statement
R	Role
SCS	System Conformance Statement
SUT	System Under Test
TM	Timers

---

## 4 Conformance

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.

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.

**ITEH STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 302 091-2 V1.1.3:2005](https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005)

<https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005>



## Annex A (normative): PICS proforma for EN 302 091-1

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.

### 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 EN 302 091-1 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 protocol;
- global statement of conformance;
- Roles (Rs);
- Major Capabilities (MC);
- Application protocol data units;
- Timers (T);
- Interworking.

ITeH STANDARD PREVIEW  
 (standards.iteh.ai)

[SIST EN 302 091-2 V1.1.3:2005  
https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005](https://standards.iteh.ai/catalog/standards/sist/86a75f61-daec-4cf5-a0b8-62ae19a0c743/sist-en-302-091-2-v1-1-3-2005)

#### 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?".