



SLOVENSKI STANDARD SIST EN 301 140-4-2:2001

01-september-2001

Intelligentno omrežje (IN) - Aplikacijski del inteligentnega omrežja (INAP) - Nabor zmožnosti 2 (CS2) - 4. del: Abstraktni preskušalni niz (ATS) in delna dodatna informacija za preskušanje izvedbe protokola (PIXIT) - Specifikacija za funkcijo preklapljanja storitev (SSF) - 2. podpoglavje: Obdelava stranke v klicu (CPH)

Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 4: Abstract Test Suite (ATS) specification and Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for Service Switching Function (SSF); Sub-part 2: Call Party Handling (CPH)

(standards.iteh.ai)

[SIST EN 301 140-4-2:2001](https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001)

<https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001>

Ta slovenski standard je istoveten z: EN 301 140-4-2 Version 1.1.3

ICS:

33.040.35 Telefonska omrežja Telephone networks

SIST EN 301 140-4-2:2001 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 301 140-4-2:2001

<https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001>

ETSI EN 301 140-4-2 V1.1.3 (2000-05)

European Standard (Telecommunications series)

**Intelligent Network (IN);
Intelligent Network Application Protocol (INAP);
Capability Set 2 (CS2);
Part 4: Abstract Test Suite (ATS) specification and Partial
Protocol Implementation eXtra Information for Testing (PIXIT)
proforma for Service Switching Function (SSF);
Sub-part 2: Call Party Handling (CPH)**

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

[SIST EN 301 140-4-2:2001](https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001)

<https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001>



Reference

DEN/SPS-03038-4-2

Keywords

IN, CS2, INAP, ATS, PIXIT, SSF

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - 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

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 301 140-4-2:2001

<https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001>

Important notice

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document 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 shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at <http://www.etsi.org/tb/status/>

If you find errors in the present document, send your comment to:

editor@etsi.fr

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 2000.
All rights reserved.

Contents

Intellectual Property Rights	4
Foreword	4
1 Scope	5
2 References	5
Annex A (normative): TTCN of the ATS for INAP CS2 CPH	6
A1 The TTCN Graphical form (TTCN.GR).....	6
A2 The TTCN Machine Processable form (TTCN.MP)	6
Annex B (normative): Partial PIXIT proforma for INAP CS2 CPH	7
B.1 Identification summary	7
B.2 ATS summary	7
B.3 Test laboratory	7
B.4 Client identification	7
B.5 SUT	8
B.6 Protocol layer information	8
B.6.1 Protocol identification	8
B.6.2 IUT information	8
B.6.2.1 Implicit send events	8
B.6.2.2 Core INAP Parameter values	9
B.6.2.3 TCAP Parameter values	10
Annex C (normative): Protocol Conformance Test Report (PCTR) proforma for CORE INAP CS2 CPH protocol.....	11
C.1 Identification summary	11
C.1.1 Protocol conformance test report.....	11
C.1.2 IUT identification	11
C.1.3 Testing environment	11
C.1.4 Limits and reservation	12
C.1.5 Comments.....	12
C.2 IUT conformance status	12
C.3 Static conformance summary	12
C.4 Dynamic conformance summary.....	13
C.5 Static conformance review report	13
C.6 Test campaign report.....	14
C.7 Observations.....	16
History	17

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 Services and Protocols for Advanced Networks (SPAN).

The present document is part 4, sub-part 2 of a multi-part EN covering the Intelligent Network Application Protocol (INAP) Capability Set 2 (CS2), as identified 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 for Service Switching Function (SSF)";
- Part 4: "Abstract Test Suite (ATS) specification and Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for Service Switching Function (SSF)";**
 - Sub-part 1: "Basic capability set of CS-1 including CS-2 complements";
 - Sub-part 2: "Call Party Handling (CPH)";**
 - Sub-part 3: "Specialized Resource Functions (SRF)";
- Part 5: "Distributed Functional Plane (DFP) [ITU-T Recommendation Q.1224 (1997) modified]".

National transposition dates

Date of adoption of this EN:	28 April 2000
Date of latest announcement of this EN (doa):	31 July 2000
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 January 2001
Date of withdrawal of any conflicting National Standard (dow):	31 January 2001

1 Scope

The present document provides the Abstract Test Suite (ATS) for testing of the Service Switching Function (SSF) and the Specialized Resource Function (SRF) of the core Intelligent Network Application Protocol (INAP) according to EN 301 140-1 [1].

Annexes A, B and C deal with CS1.

In this part 4-2, the CS2 Call Party Handling (CPH) is covered.

Annex A provides the Tree and Tabular Combined Notation (TTCN).

Annex B provides the Partial Protocol Implementation eXtra Information for Testing (PIXIT) Proforma.

Annex C provides the Protocol Conformance Test Report (PCTR) Proforma.

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.

- <https://standards.iteh.ai/catalog/standards/sist/61a16158-2a51-49a4-8f53-314e880131/sist-en-301-140-4-2-2001>
- SIST EN 301 140-4-2:2001**
- STANDARD PREVIEW**
(standards.iteh.ai)
- [1] ETSI EN 301 140-1: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 1: Protocol specification".
- [2] ISO/IEC 9646-6: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification".
- [3] ETSI EN 301 140-4-1: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 4: Abstract Test Suite (ATS) specification and Partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for Service Switching Function (SSF); Sub-part 1: Basic capability set of CS-1 including CS-2 complements".
- [4] ETSI EN 301 140-2: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [5] ISO/IEC 9646-3: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: The Tree and Tabular Combined Notation (TTCN)".

Annex A (normative): TTCN of the ATS for INAP CS2 CPH

Refer to EN 301 140-4-1 clauses 1 to 7 for the methodology to obtain the TTCN, as well as the ATS convention, etc.

This ATS has been produced using the Tree and Tabular Combined Notation (TTCN) according to ISO/IEC 9646-3.

The ATS was developed on a separate TTCN software tool and therefore the TTCN tables are not completely referenced in the table of contents. The ATS itself contains a test suite overview part which provides additional information and references.

A1 The TTCN Graphical form (TTCN.GR)

The TTCN.GR representation of this ATS is contained in an Adobe Portable Document Format™ file (CPH_cs2_v5.PDF contained in archive en_3011400402v010103p0.ZIP) which accompanies the present document.

A2 The TTCN Machine Processable form (TTCN.MP)

The TTCN.MP representation corresponding to this ATS is contained in an ASCII file (CPH_cs2_v5.MP contained in archive en_3011400402v010103p0.ZIP) which accompanies the present document.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 301 140-4-2:2001](https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001)

<https://standards.iteh.ai/catalog/standards/sist/6ba1f458-2a5b-49a4-8f53-cf14ac8f0331/sist-en-301-140-4-2-2001>

Annex B (normative): Partial PIXIT proforma for INAP CS2 CPH

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 PIXIT proforma in this annex so that it can be used for its intended purposes and may further publish the completed PIXIT.

The PIXIT proforma is based on ISO/IEC 9646-6. Any additional information needed can be found in this international standard document.

B.1 Identification summary

Table B.1

PIXIT number:	
Test laboratory name:	
Date of issue:	
Issued to:	

B.2 ATS summary

Table B.2
(standards.iteh.ai)

Protocol specification:	EN 301 140-1
Protocol to be tested:	SIST EN 301 140 4 2:2001
ATS specification:	EN 301 140-2
Abstract test method:	Remote test method, embedded variant

B.3 Test laboratory

Table B.3

Test laboratory identification:	
Test laboratory manager:	
Means of testing:	
SAP address:	

B.4 Client identification

Table B.4

Client identification:	
Client test manager:	
Test facilities required:	