



SLOVENSKI STANDARD SIST EN 301 140-4-3:2001

01-september-2001

Inteligentno omrežje (IN) - Aplikacijski del inteligentnega omrežja (INAP) - 4. del: Abstraktni preskušalni niz (ATS) in delna dodatna informacija za preskušanje izvedbe protokola (PIXIT) - Specifikacija za funkcijo preklapljanja storitev (SSF) - 3. podpoglavje: Funkcije posebnih virov (SRF)

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 3: Specialized Resource Functions (SRF)

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Ta slovenski standard je istoveten z: EN 301 140-4-3 Version 1.1.3

ICS:

33.040.35 Telefonska omrežja Telephone networks

SIST EN 301 140-4-3:2001 en

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ETSI EN 301 140-4-3 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);
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Reference

DEN/SPS-03038-4-3

Keywords

IN, CS2, INAP, ATS, PIXIT, SSF

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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 3 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 [10] (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) of Intelligent Network (IN) according to EN 301 140-1 [1].

In this part 4-3, the SRF 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.

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- [1] ETSI EN 301 140-1: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 1: Protocol specification".
<https://standards.iteh.ai/catalog/standards/sist/9cb0dccc-4c3c-486c-9d07-91a0f95d66a/sist/en-301-140-4-3-2001>
- [2] 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".
- [3] 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".
- [4] ISO/IEC 9646-6: "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test 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 [2] 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 [5].

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 (SFR_cs2_v5.PDF contained in archive en_3011400403v010103p0.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 (SFR_cs2_v5.MP contained in archive en_3011400403v010103p0.ZIP) which accompanies the present document.

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Annex B (normative): Partial PIXIT proforma for SRF

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
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Protocol specification:	EN 301 140-1
Protocol to be tested:	SIST EN 301 140 4 3:2001
ATS specification:	EN 301 140-4-3
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:	