



# SLOVENSKI STANDARD

## SIST ETS 300 210-6:1998

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**Digitalno omrežje z integriranimi storitvami (ISDN) - Dopolnilna storitev: brezplačni telefonski klic (FPH) - Protokol digitalne naročniške signalizacije št. 1 (DSS1) - 6. del: Abstraktni preskušalni niz (ATS) in delna dodatna informacija za preskušanje izvedbe protokola (PIXIT) - Proforma specifikacije za omrežje**

Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 6: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network

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**Integrated Services Digital Network (ISDN);  
Freephone (FPH) supplementary service;  
Digital Subscriber Signalling System No. one (DSS1) protocol;  
Part 6: Abstract Test Suite (ATS) and partial Protocol  
Implementation eXtra Information for Testing (PIXIT) proforma  
specification for the network**

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## Contents

Foreword .....	7
1 Scope .....	9
2 Normative references .....	9
3 Definitions and abbreviations .....	10
3.1 Definitions .....	10
3.2 Abbreviations .....	10
4 Abstract Test Method (ATM) .....	11
4.1 Description of ATM used .....	11
4.1.1 Conventions for test components and PCOs .....	11
4.1.2 Conventions for variables and parameters .....	12
4.2 Alternative ATM .....	13
5 Untestable test purposes.....	13
6 ATS conventions .....	14
6.1 Declarations part.....	14
6.1.1 Type definitions .....	14
6.1.1.1 Simple type definitions .....	14
6.1.1.2 Structured type definitions .....	14
6.1.1.2.1 TTCN structured type definitions .....	14
6.1.1.2.2 ASN.1 structured type definitions.....	14
6.1.1.3 ASP type definitions.....	15
6.1.1.3.1 TTCN ASP type definitions .....	15
6.1.1.3.2 ASN.1 ASP type definitions .....	16
6.1.1.4 PDU type definitions .....	16
6.1.1.4.1 TTCN PDU type definitions.....	16
6.1.1.4.2 ASN.1 PDU type definitions .....	16
6.1.2 Test suite constants .....	16
6.1.3 Test suite parameters .....	16
6.1.4 Variables .....	16
6.1.4.1 Test suite variables.....	16
6.1.4.2 Test case variables.....	16
6.1.5 Test suite operation definitions.....	17
6.2 Constraints part.....	17
6.2.1 Structured type constraint declaration .....	17
6.2.2 ASN.1 type constraint declaration .....	17
6.2.2.1 Specification of encoding rules.....	17
6.2.3 ASP type constraint declaration .....	17
6.2.3.1 ASN.1 ASP type constraint declaration .....	17
6.2.3.2 TTCN ASP type constraint declaration .....	18
6.2.4 PDU type constraint declaration .....	18
6.2.4.1 ASN.1 PDU type constraint declaration.....	18
6.2.4.2 TTCN PDU type constraint declaration .....	18
6.2.5 Chaining of constraints.....	18
6.2.5.1 Static chaining .....	18
6.2.5.2 Dynamic chaining .....	18
6.2.6 Derived constraints.....	18
6.2.7 Parameterized constraints.....	18
6.2.8 Value assignment.....	19
6.2.8.1 Specific values.....	19
6.2.8.2 Matching values.....	19
6.3 Dynamic part.....	19
6.3.1 Test cases.....	19

6.3.2	Test steps .....	19
6.3.2.1	PTC1_IN .....	19
6.3.2.2	PTC1_OUT .....	19
6.3.3	Defaults.....	19
7	ATS to TP map .....	19
8	PCTR conformance .....	20
9	PIXIT conformance.....	20
10	ATS conformance.....	20
Annex A (normative): Protocol Conformance Test Report (PCTR) proforma .....		21
A.1	Identification summary.....	21
A.1.1	Protocol conformance test report.....	21
A.1.2	IUT identification.....	21
A.1.3	Testing environment.....	21
A.1.4	Limits and reservations .....	22
A.1.5	Comments .....	22
A.2	IUT conformance status .....	22
A.3	Static conformance summary .....	22
A.4	Dynamic conformance summary .....	22
A.5	Static conformance review report.....	23
A.6	Test campaign report.....	23
A.7	Observations.....	24
Annex B (normative): Partial PIXIT proforma.....		25
B.1	Identification summary.....	25
B.2	Abstract test suite summary .....	25
B.3	Test laboratory.....	25
B.4	Client (of the test laboratory) .....	26
B.5	System Under Test (SUT) .....	26
B.6	Protocol information.....	27
B.6.1	Protocol identification .....	27
B.6.2	Parameter values .....	27
B.6.3	Configuration of IUT .....	27
B.6.4	Configuration of IUT - private ISDN side.....	27
B.6.5	Timer values.....	28
B.7	Basic call PIXIT items.....	28
B.7.1	Parameter values - information element codings.....	28
Annex C (normative): Abstract Test Suite (ATS) .....		29
C.1	The TTCN Graphical form (TTCN.GR) .....	29
C.2	The TTCN Machine Processable form (TTCN.MP) .....	29

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Annex D (informative): General structure of ATS..... 30  
History..... 31

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## 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 6 of a multi-part standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) Freephone (FPH) supplementary service, 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 for the user";

Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the user";

Part 5: "TSS&TP specification for the network";

**Part 6: "ATS and partial PIXIT proforma specification for the network".**

<b>Transposition dates</b>	
Date of adoption of this ETS:	20 March 1998
Date of latest announcement of this ETS (doa):	31 July 1998
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 January 1999
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## 1 Scope

This sixth part of ETS 300 210 specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma for the Network side of the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [11]) of implementations conforming to the stage three standard for the Freephone (FPH) supplementary service for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, ETS 300 210-1 [3].

ETS 300 210-5 [5] specifies the Test Suite Structure and Test Purposes (TSS&TP) related to this ATS and partial PIXIT proforma. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the User side of the T reference point or coincident S and T reference point of implementations conforming to ETS 300 210-1 [3].

## 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 300 102-1: "Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control".
- [2] ETS 300 196-1: "Integrated Services Digital Network (ISDN); Generic functional protocol for the support of supplementary services; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [3] ETS 300 210-1 (1996): "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
- [4] ETS 300 210-2 (1996): "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [5] ETS 300 210-5: "Integrated Services Digital Network (ISDN); Freephone (FPH) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 5: Test Suite Structure and Test Purposes (TSS&TP) specification for the network".
- [6] ISO/IEC 9646-1: "Information technology - OSI Conformance Testing Methodology and Framework; Part 1: General Concepts".
- [7] ISO/IEC 9646-2: "Information technology - OSI Conformance Testing Methodology and Framework; Part 2: Abstract Test Suite Specification".
- [8] ISO/IEC 9646-3: "Information technology - OSI Conformance Testing Methodology and Framework; Part 3: The Tree and Tabular Combined Notation".
- [9] ISO/IEC 9646-4: "Information technology - OSI Conformance Testing Methodology and Framework; Part 4: Test realization".
- [10] ISO/IEC 9646-5: "Information technology - OSI Conformance Testing Methodology and Framework; Part 5: Requirements on test laboratories and clients for the conformance assessment process".
- [11] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".

[12] CCITT Recommendation X.209 (1988): "Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1)".

### 3 Definitions and abbreviations

#### 3.1 Definitions

For the purposes of this ETS, the following definitions apply:

**Abstract Test Suite (ATS):** See ISO/IEC 9646-1 [6].

**Implementation Under Test (IUT):** See ISO/IEC 9646-1 [6].

**Lower Tester (LT):** See ISO/IEC 9646-1 [6].

**Point Of Control And Observation (PCO):** See ISO/IEC 9646-1 [6].

**Protocol Implementation Conformance Statement (PICS):** See ISO/IEC 9646-1 [6].

**PICS proforma:** See ISO/IEC 9646-1 [6].

**Protocol Implementation Extra Information For Testing (PIXIT):** See ISO/IEC 9646-1 [6].

**PIXIT proforma:** See ISO/IEC 9646-1 [6].

**System Under Test (SUT):** See ISO/IEC 9646-1 [6].

**Upper Tester (UT):** See ISO/IEC 9646-1 [6].

#### 3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

ASP	Abstract Service Primitive
ATM	Abstract Test Method
ATS	Abstract Test Suite
BER	Basic Encoding Rules
CM	Co-ordination Message
CP	Co-ordination Point
ExTS	Executable Test Suite
FPH	Freephone
IUT	Implementation Under Test
LT	Lower Tester
MOT	Means Of Testing
MTC	Main Test Component
PCO	Point of Control and Observation
PCTR	Protocol Conformance Test Report
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
PTC	Parallel Test Component
SUT	System Under Test
TCP	Test Co-ordination Procedures
TP	Test Purpose
TTCN	Tree and Tabular Combined Notation
UT	Upper Tester

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