



SLOVENSKI STANDARD
DSIST ETS 300 141-6:1997
01-c_1c VYf-1997

8 [[]HJbc`ca fYy`n]bhY[f]fUb]a]'glcf]hj Ua]'f8 BŁ!`8 cdc`b]bUglcf]hYj .`nUXfÿUb`Y
_]WUfk C @ Ł!`Dfclt_c`X][]HJbY`bUfc b]ý_Y`g][bU]nUWY`ýh`%fB GG%Ł!`* "XY.`B]n
UVghfU`fb] `dfYg_i gcj `f5 HGL]b`XY`bUXcXUhbU]bZ`fa UWY`U`nU`dfYg_i ýUb`Y`]nj YXVY
dfclt_c`UfD-Ł-Ł!`DfcZ`fa bUgdYVWZ_UWY`U`nU`ca fYy`Y

Integrated Services Digital Network (ISDN); Call Hold (HOLD) 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

Ta slovenski standard je istoveten z: ETS 300 141-6 Edition 1

ICS:

33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)
--------	---	--

DSIST ETS 300 141-6:1997	en
---------------------------------	-----------



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 141-6

October 1996

Source: ETSI TC-SPS

Reference: DE/SPS-05061-S-6

ICS: 33.080

Key words: ISDN, DSS1, supplementary service, HOLD, testing, ATS, PIXIT, network

**Integrated Services Digital Network (ISDN);
Call Hold (HOLD) 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**

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

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 1996. All rights reserved.

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.....	14
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.....	16
6.1.1.3.1 TTCN ASP type definitions	16
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	17
6.1.3 Test suite parameters	17
6.1.4 Variables	17
6.1.4.1 Test suite variables.....	17
6.1.4.2 Test case variables.....	17
6.1.5 Test suite operation definitions.....	17
6.2 Constraints part.....	18
6.2.1 Structured type constraint declaration	18
6.2.2 ASN.1 type constraint declaration	18
6.2.2.1 Specification of encoding rules.....	19
6.2.3 ASP type constraint declaration	20
6.2.3.1 ASN.1 ASP type constraint declaration	20
6.2.3.2 TTCN ASP type constraint declaration	20
6.2.4 PDU type constraint declaration	20
6.2.4.1 ASN.1 PDU type constraint declaration	20
6.2.4.2 TTCN PDU type constraint declaration	20
6.2.5 Chaining of constraints.....	20
6.2.5.1 Static chaining	20
6.2.5.2 Dynamic chaining	20
6.2.6 Derived constraints.....	21
6.2.7 Parameterized constraints.....	21
6.2.8 Value assignment.....	21
6.2.8.1 Specific values.....	21
6.2.8.2 Matching values.....	21

6.3	Dynamic part	21
6.3.1	Test cases	21
6.3.2	Test steps	21
6.3.2.1	PTC1_IN	21
6.3.2.2	PTC1_OUT	21
6.3.3	Defaults.....	21
7	ATS to TP map	22
8	PCTR conformance	22
9	PIXIT conformance.....	22
10	ATS conformance.....	22
Annex A (normative): Protocol Conformance Test Report (PCTR) proforma		23
A.1	Identification summary.....	23
A.1.1	Protocol conformance test report.....	23
A.1.2	IUT identification.....	23
A.1.3	Testing environment.....	23
A.1.4	Limits and reservations	24
A.1.5	Comments.....	24
A.2	IUT conformance status	24
A.3	Static conformance summary	24
A.4	Dynamic conformance summary	24
A.5	Static conformance review report.....	25
A.6	Test campaign report.....	25
A.7	Observations.....	26
Annex B (normative): Partial PIXIT proforma		27
B.1	Identification summary.....	27
B.2	Abstract test suite summary	27
B.3	Test laboratory.....	27
B.4	Client (of the test laboratory)	28
B.5	System Under Test (SUT)	28
B.6	Protocol information.....	29
B.6.1	Protocol identification	29
B.6.2	Parameter values	29
B.6.3	Sending of messages by IUT	29
B.6.4	Configuration of IUT	29
B.7	Basic call PIXIT items.....	30
B.7.1	Parameter values - information element codings.....	30
Annex C (normative): Abstract Test Suite (ATS)		31
C.1	The TTCN Graphical form (TTCN.GR)	31
C.2	The TTCN Machine Processable form (TTCN.MP)	31

Annex D (informative): General structure of ATS.....32

History.....33

Blank page