

## SLOVENSKI STANDARD

DSIST EN 301 061-3:2001

01-ZVfi UF-2001

8 ][ ]HUbca fYyY'n]bhY[ f]fUb]a ]'gkcf]hj Ua ]'fHG8 BŁ!.'Dfcfc\_c``X][ ]HUbYbUfc b]y\_Y  
g][ bU]nUWY'Y'Y'%'fB GG%k!'; YbYf] b]Z b\_Wg\_]dfcfc\_c`'nUdcXdcfc 'Xcdc`b]b]\_  
ghcf]hYj 'j 'gkcf]hj Yb]!j ghcfdb]hc \_]V'nUbUj XYnbc 'nUgYVbY'ca fYybYfU DBŁ  
Ud]\_UWY'Y!' "XY. 'N[ fUXVUdfYg\_i ýUbY[ Ub]nU]b'bUa Yb'dfYg\_i ýUb'UfHGG/ HDŁ!  
GdYWZ\_UWY'U nUi dcfUVb]\_U

Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the b service entry point for Virtual Private Network (VPN) applications; Part 3: Test Suite Structure and Test Purposes (TSS&TP) specification for the user

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# EN 301 061-3 V1.1.3 (1998-10)

European Standard (Telecommunications series)

**Integrated Services Digital Network (ISDN);  
Digital Subscriber Signalling System No. one (DSS1) protocol;  
Generic functional protocol for the support of  
supplementary services at the "b" service entry point for  
Virtual Private Network (VPN) applications;  
Part 3: Test Suite Structure and Test Purposes (TSS&TP)  
specification for the user**



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## Foreword

This European Standard (Telecommunications series) has been produced by ETSI Technical Committee Signalling Protocols and Switching (SPS).

The present document is part 3 of a multi-part European Standard (Telecommunications series) covering the Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications, 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 the user";**
- Part 4: "Abstract Test Suite (ATS), user";
- Part 5: "Test Suite Structure and Test Purposes (TSS&TP), specification for the network";
- Part 6: "Abstract Test Suite (ATS), network".

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## 1 Scope

This third part of EN 301 061 specifies the Test Suite Structure and Test Purposes (TSS&TP) for the user side of the T reference point (as defined in ITU-T Recommendation I.411 [10]) of implementations conforming to the stage three standard for the generic functional protocol for the support of supplementary services for Virtual Private Network (VPN) applications for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, EN 301 061-1 [2].

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## 2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case 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 300 196-1 (V1.2): "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".
- [2] EN 301 061-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications; Part 1: Protocol specification".
- [3] EN 301 061-2: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Generic functional protocol for the support of supplementary services at the "b" service entry point for Virtual Private Network (VPN) applications; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
- [4] ETS 300 406 (1995): "Methods for Testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".
- [5] ISO/IEC 9646-1 (1994): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 1: General concepts".
- [6] ISO/IEC 9646-2 (1994): "Information technology; Open Systems Interconnection; Conformance testing methodology and framework; Part 2: Abstract Test Suite specification".
- [7] Void.
- [8] ISO/IEC 11582 (1995): "Information technology; Telecommunications and information exchange between systems; Private Integrated Services Network; Generic functional protocol for the support of supplementary services; Inter-exchange signalling procedures and protocol".
- [9] ITU-T Recommendation I.112 (1993): "Vocabulary and terms for ISDNs".
- [10] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces; reference configurations".

## 3 Definitions and abbreviations

### 3.1 Definitions

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

#### 3.1.1 Definitions related to conformance testing

**Abstract Test Suite (ATS):** Refer to ISO/IEC 9646-1 [5].

**Protocol Implementation Conformance Statement (PICS):** Refer to ISO/IEC 9646-1 [5].

**PICS proforma:** Refer to ISO/IEC 9646-1 [5].

**Protocol Implementation eXtra Information for Testing (PIXIT):** Refer to ISO/IEC 9646-1 [5].

**PIXIT proforma:** Refer to ISO/IEC 9646-1 [5].

**Test Purpose (TP):** Refer to ISO/IEC 9646-1 [5].

#### 3.1.2 Definitions related to EN 301 061-1

**component:** See EN 300 196-1 [1], subclause 11.2.2.1.

**invoke component:** See EN 300 196-1 [1], subclause 11.2.2.1.

**return error component:** See EN 300 196-1 [1], subclause 11.2.2.1.

**return result component:** See EN 300 196-1 [1], subclause 11.2.2.1.

**service; telecommunication service:** See ITU-T Recommendation I.112 [9], definition 201.

### 3.2 Abbreviations

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

APDU	Application Protocol Data Unit
ATM	Abstract Test Method
ATS	Abstract Test Suite
GFT	Generic Functional Transport
IE	Information Element
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
NCICS	Networked Call Independent Connection oriented Signalling
PICS	Protocol Implementation Conformance Statement
PINX	Private Integrated services Network eXchange
PIXIT	Protocol Implementation eXtra Information for Testing
ROSE	Remote Operations Service Element
TP	Test Purpose
TSS	Test Suite Structure
VPN	Virtual Private Network
VPN-GFP	Generic Functional Protocol for the support of supplementary services for VPN