



# SLOVENSKI STANDARD

## SIST EN 300 188-3 V1.2.4:2005

01-april-2005

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Integrated Services Digital Network (ISDN); Three-Party (3PTY) supplementary service;  
Digital Subscriber Signalling System No. one (DSS1) protocol; Part 3: Test Suite  
Structure and Test Purposes (TSS&TP) specification for the user

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# EN 300 188-3 V1.2.4 (1998-06)

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*European Standard (Telecommunications series)*

**Integrated Services Digital Network (ISDN);  
Three Party (3PTY) supplementary service;  
Digital Subscriber Signalling System No. one (DSS1) protocol;  
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 standard covering the Digital Subscriber Signalling System No. one (DSS1) protocol specification for the Integrated Services Digital Network (ISDN) Three Party (3PTY) 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: "Test Suite Structure and Test Purposes (TSS&TP) specification for the network";
- Part 6: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification for the network".

The present version updates the references to the basic call specifications.

<b>National transposition dates</b>	
Date of adoption of this EN:	19 June 1998
Date of latest announcement of this EN (doa):	30 September 1998
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 March 1999
Date of withdrawal of any conflicting National Standard (dow):	31 March 1999

## 1 Scope

This third part of EN 300 188 specifies the Test Suite Structure and Test Purposes (TSS&TP) for the User side of the T reference point or coincident S and T reference point (as defined in ITU-T Recommendation I.411 [7]) of implementations conforming to the stage three standard for Three Party (3PTY) supplementary service for the pan-European Integrated Services Digital Network (ISDN) by means of the Digital Subscriber Signalling System No. one (DSS1) protocol, EN 300 188-1 [1].

A further part of this EN specifies the Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma based on the present document. Other parts specify the TSS&TP and the ATS and partial PIXIT proforma for the Network side of the T reference point or coincident S and T reference point of implementations conforming to EN 300 188-1 [1].

## 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.

- <https://standards.iteh.ai/catalog/standards/sist/46f1ba6e-6e88-49eb-a33e-5c517607e945/sist-010-300-188-3-v1-2-4-2005>
- SIST EN 300 188-3 V1.2.4:2005**
- [1] EN 300 188-1 (V1.2): "Integrated Services Digital Network (ISDN); Three Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".
  - [2] EN 300 188-2 (V1.2): "Integrated Services Digital Network (ISDN); Three Party (3PTY) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification".
  - [3] ISO/IEC 9646-1: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 1: General Concepts".
  - [4] ISO/IEC 9646-2: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 2: Abstract Test Suite specification".
  - [5] ISO/IEC 9646-3: "Information Technology - OSI Conformance Testing Methodology and Framework; Part 3: The Tree and Tabular Combined Notation".
  - [6] EN 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".
  - [7] ITU-T Recommendation I.411 (1993): "ISDN user-network interfaces - Reference configurations".
  - [8] EN 300 403-1: "Integrated Services Digital Network (ISDN); Digital Subscriber Signalling System No. one (DSS1) protocol; Signalling network layer for circuit-mode basic call control; Part 1: Protocol specification [ITU-T Recommendation Q.931 (1993), modified]".
  - [9] ITU-T Recommendation I.112: "Vocabulary and terms for ISDNs".
  - [10] CCITT Recommendation E.164: "Numbering plan for the ISDN era".

- [11] ITU-T Recommendation I.210: "Principles of the telecommunication services supported by an ISDN and the means to describe them".

## 3 Definitions

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

### 3.1 Definitions related to conformance testing

**abstract test case:** Refer to ISO/IEC 9646-1 [3].

**Abstract Test Suite (ATS):** Refer to ISO/IEC 9646-1 [3].

**Implementation Under Test (IUT):** Refer to ISO/IEC 9646-1 [3].

**implicit send event:** Refer to ISO/IEC 9646-3 [5].

**lower tester:** Refer to ISO/IEC 9646-1 [3].

**point of control and observation:** Refer to ISO/IEC 9646-1 [3].

**Protocol Implementation Conformance Statement (PICS):** Refer to ISO/IEC 9646-1 [3].

**PICS proforma:** Refer to ISO/IEC 9646-1 [3].

**Protocol Implementation eXtra Information for Testing (PIXIT):** Refer to ISO/IEC 9646-1 [3].

**PIXIT proforma:** Refer to ISO/IEC 9646-1 [3].

**system under test:** Refer to ISO/IEC 9646-1 [3].

**Test Purpose (TP):** Refer to ISO/IEC 9646-1 [3].

### 3.2 Definitions related to EN 300 188-1

**3PTY active:** An occurrence of the 3PTY supplementary service exists;

**3PTY idle:** An occurrence of the 3PTY supplementary service has not been requested;

**Begin3PTY request:** The 3PTY supplementary service has been requested by the served user;

**Call Held auxiliary state:** See EN 300 196-1 [6], subclause 7.1.2.

**Call Reference (CR):** See EN 300 403-1 [8], subclause 4.3.

**component:** See EN 300 196-1 [6], subclause 11.2.2.1.

**End3PTY request:** The served user wants to have a private conversation with one of the remote users.

**Idle auxiliary state:** See EN 300 196-1 [6], subclause 7.1.2.

**Integrated Services Digital Network (ISDN):** See ITU-T Recommendation I.112 [9], definition 308.

**ISDN number:** A number conforming to the numbering and structure specified in CCITT Recommendation E.164 [10].

**invoke component:** See EN 300 196-1 [6], subclause 11.2.2.1.

**remote user:** The two other users to the served user who are involved in the two calls that are joined together in a three-way conversation.

**return error component:** See EN 300 196-1 [6], subclause 11.2.2.1.



**return result component:** See EN 300 196-1 [6], subclause 11.2.2.1.

**served user:** The served user is the user who invokes the 3PTY supplementary service.

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

**supplementary service:** See ITU-T Recommendation I.210 [11], subclause 2.4.

**user:** The DSS1 protocol entity at the User side of the user-network interface where a T reference point or coincident S and T reference point applies.

**user (S/T):** The DSS1 protocol entity at the User side of the user-network interface where a coincident S and T reference point applies.

**user (T):** The DSS1 protocol entity at the User side of the user-network interface where a T reference point applies (User is the Private ISDN).

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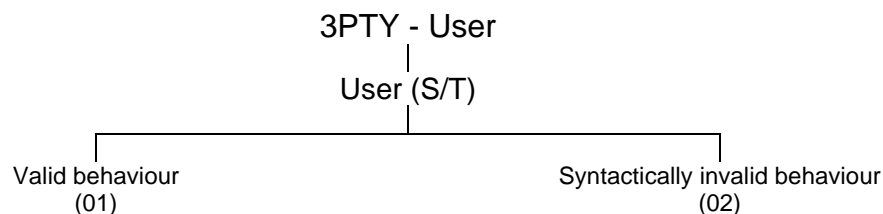
## 4 Abbreviations

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

(Held)	Call Held auxiliary state
(Idle)	Idle auxiliary state
3PTY	Three Party
ATM	Abstract Test Method
ATS	Abstract Test Suite
CEI	Connection Endpoint Identifier
CR	Call Reference
CR1	CR for a call in the Active call state and Idle auxiliary state
CR2	CR for a call in the Active call state and Call Held auxiliary state
DSS1	Digital Subscriber Signalling System No. 3 one 2.4:2005
ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
TP	Test Purpose
TSS	Test Suite Structure
U00	Idle call state
U10	Active call state
U11	Disconnect Request call state
U19	Release Request call state

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## 5 Test Suite Structure (TSS)



NOTE: Numbers in brackets represent group numbers and are used in TP identifiers.

**Figure 1: Test suite structure**