



SLOVENSKI STANDARD
DSIST ETS 300 646-4:1998
01-oktober-1998

Digitalno omrežje z integriranimi storitvami (ISDN) - Signalizacija št. 7 - Digitalni celični telekomunikacijski sistem (faza 2) - Aplikacija druge različice uporabniškega dela ISDN (ISUP) za signalizacijski vmesnik ISDN - javno kopensko mobilno omrežje (PLMN) - 4. del: Abstraktni preskušalni niz (ATS) in delna dodatna informacija za preskušanje izvedbe protokola (PIXIT) - Proforma specifikacije

Integrated Services Digital Network (ISDN); Signalling System No.7; Digital cellular telecommunications system (Phase 2); Application of ISDN User Part (ISUP) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface; Part 4: Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification

Ta slovenski standard je istoveten z: ETS 300 646-4 Edition 1

ICS:

33.020 Telekomunikacije na splošno Telecommunications in general

DSIST ETS 300 646-4:1998 en



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 646-4

March 1998

Source: SPS

Reference: DE/SPS-01029-3

ICS: 33.020

Key words: ISDN, SS7, ISUP, GSM, mobile, radio, PLMN, interworking, testing, ATS, PIXIT

**Integrated Services Digital Network (ISDN);
Signalling System No.7;
Digital cellular telecommunications system (Phase 2);
Application of ISDN User Part (ISUP) version 2 for the
ISDN-Public Land Mobile Network (PLMN) signalling interface;
Part 4: Abstract Test Suite (ATS) and partial Protocol
Implementation eXtra Information for Testing (PIXIT) proforma
specification**

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

Internet: secretariat@etsi.fr - <http://www.etsi.fr> - <http://www.etsi.org>

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 1998. All rights reserved.

Contents

Foreword	5
1 Scope	7
2 Normative references	7
3 Definitions and abbreviations	8
3.1 Definitions	8
3.2 Abbreviations	9
4 Implementation under test and test methods	10
4.1 Identification of the system and implementation under test	10
4.2 ATM and testing configuration for ISUP version 2 for the ISDN-PLMN signalling interface	10
4.2.1 Gateway exchanges	11
4.2.2 Master-slave aspects in the test configuration	12
5 Conventions used within the ATS	12
5.1 Test suite parameters, constants and variables	12
5.2 Test case variables	13
5.3 ASP constraints	13
5.4 Timers	13
5.5 Test suite operations	13
5.6 Aliases	13
5.7 Test case and step identifiers	13
5.8 Constraints	14
5.9 Dynamic behaviour	14
5.10 Pre-test conditions	14
Annex A (normative): ATS for ISUP version 2 for the ISDN-PLMN interface	15
A.1 The TTCN Graphical form (TTCN.GR)	15
A.2 The TTCN Machine Processable form (TTCN.MP)	15
Annex B (normative): Partial PIXIT proforma for ISUP version 2 for the ISDN-PLMN interface	16
B.1 Identification summary	16
B.2 Abstract test suite summary	16
B.3 Test laboratory	16
B.4 Client identification	16
B.5 System Under Test (SUT)	17
B.6 Ancillary protocols	17
B.7 Protocol information for ISUP	17
B.7.1 Protocol identification	17
B.7.2 IUT information - PIXIT proforma tables	17
B.7.2.1 General configuration	18
B.7.2.2 Parameter values	19
B.7.2.3 Timer values	19
B.7.2.4 Other information	19

Annex C (normative):	Protocol Conformance Test Report (PCTR) proforma for ISUP version 2 for the ISDN-PLMN signalling interface	20
C.1	Identification summary.....	20
C.1.1	Protocol conformance test report.....	20
C.1.2	IUT identification.....	20
C.1.3	Testing environment.....	20
C.1.4	Limits and reservation	21
C.1.5	Comments.....	21
C.2	IUT conformance status	21
C.3	Static conformance summary	21
C.4	Dynamic conformance summary	21
C.5	Static conformance review report.....	22
C.6	Test campaign report.....	22
C.7	Observations.....	23
History	24

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 4 of a multi-part standard covering the application of Integrated Services Digital Network (ISDN) User Part (ISUP) version 2 for the ISDN-Public Land Mobile Network (PLMN) signalling interface as described below:

Part 1: "Protocol specification (GSM 09.12)";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification";

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

Transposition dates	
Date of adoption of this ETS:	6 March 1998
Date of latest announcement of this ETS (doa):	30 June 1998
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 December 1998
Date of withdrawal of any conflicting National Standard (dow):	31 December 1998

Blank page