

# SLOVENSKI STANDARD

## SIST ETS 300 758-3:2000

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Digital Enhanced Cordless Telecommunications (DECT); Integrated Services Digital Network (ISDN); DECT/ISDN interworking for end system configuration; Profile Test Specification (PTS); Part 3: Profile Specific Test Specification (PSTS) for Fixed radio Termination (FT)

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**ICS:**

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

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# EUROPEAN TELECOMMUNICATION STANDARD

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DECT/ISDN interworking for end system configuration;  
Profile Test Specification (PTS);  
Part 3: Profile Specific Test Specification (PSTS)  
for Fixed radio Termination (FT)**

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Digital Enhanced Cordless Telecommunications (DECT) Project of the European Telecommunications Standards Institute (ETSI).

This ETS consists of 3 parts as follows:

Part 1: "PTS - summary".

Part 2: "Profile Specific Test Specification (PSTS) for Portable radio Termination (PT)".

**Part 3: "Profile Specific Test Specification (PSTS) for Fixed radio Termination (FT)".**

Transposition dates	
Date of adoption:	4 April 1997
Date of latest announcement of this ETS (doa):	31 July 1997
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Date of withdrawal of any conflicting National Standard (dow):	31 January 1998

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## 1 Scope

This European Telecommunication Standard (ETS) contains the test specification for Digital Enhanced Cordless Telecommunications/Integrated Services Digital Network (DECT/ISDN) Interworking Access Profile (IAP) Fixed Part (FP) applications as specified in ETS 300 434-1 [6] and ETS 300 434-2 [7].

This test specification provides conformance tests for DECT/ISDN terminal equipment conforming to ETS 300 434-1 [6] and ETS 300 434-2 [7]. The main objective is to perform a high probability of interoperability between the DECT/ISDN terminal equipment and an ISDN network. The DECT/ISDN terminal equipment contains Fixed Part and Portable Parts that may be supplied by different manufacturers.

The ISO standard for the methodology of conformance testing ISO/IEC 9646 [22] to [28] is used as the basis for the test methodology, and as the basis for test case specification.

The test cases if listed in this ETS have been derived from the corresponding Abstract Test Suite (ATS). Additional DECT/ISDN IAP specific test cases are included where required.

Annex A provides Profile Implementation eXtra Information for Testing (IXIT) proforma part of this specification.

Annex B provides Profile Conformance Test Report (Profile CTR) proforma part of this specification.

Annex C provides System Conformance Test Report proforma (SCTR) part of this specification.

Annex D provides the Profile IXIT Requirements List (XRL) proforma part of this specification.

Annex E provides modifications of DECT layer Protocol Conformance Test Report (PCTR) proforma of this specification. **iTeh STANDARD PREVIEW**

Annex F provides the Tree and Tabular Combined Notation (TCN) part for DECT Network (NWK) layer conforming to the requirements of this specification. **(standards.iteh.ai)**

Annex G provides the Tree and Tabular Combined Notation (TCN) part for DECT Data Link Control (DLC) layer conforming to the requirements of this specification. **<https://standards.iteh.ai/catalog/standards/sist-ets-300-758-3-2000>**

Annex H provides the Tree and Tabular Combined Notation (TCN) part for DECT MAC layer conforming to the requirements of this specification.

Annex I provides the Tree and Tabular Combined Notation (TCN) part for DECT/ISDN Interworking Unit (IWU) - IAP profile.

## 2 Normative references

- [1] ETS 300 175-2: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer".
- [2] ETS 300 175-3: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [3] ETS 300 175-4: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
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- [7] ETS 300 434-2: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) interworking for end system configuration; Part 2: Access profile".
- [8] ETS 300 176: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Approval test specification".
- [9] ETS 300 476-4: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 4: Network (NWK) layer - Fixed radio Termination (FT)".
- [10] ETS 300 476-5: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Protocol Implementation Conformance Statement (PICS) proforma; Part 5: Data Link Control (DLC) layer - Fixed radio Termination (FT)".
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- [13] ETS 300 474-2: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Generic Access Profile (GAP); Profile requirement list and profile specific Implementation Conformance Statement (ICS) proforma; Part 2: Fixed radio Termination (FT)"
- [14] ETS 300 705-2: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications/Integrated Services Digital Network (DECT/ISDN) interworking for end system configuration; Profile Implementation Conformance Statement (ICS); Part 2: Fixed radio Termination (FT)".
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- [18] ETS 300 497-5: "Radio Equipment and Systems (RES); Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI) Test Case Library (TCL); Part 5: Abstract Test Suite (ATS) - Data Link Control (DLC) layer".

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- [24] ISO/IEC 9646-3 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: The tree and tabular combined notation". (See also CCITT Recommendation X.292 (1992)).
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- [27] ISO/IEC 9646-6 (1991): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 6: Protocol profile test specification".
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- [ISO/IEC 9646-3 \(1991\): "Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 3: The tree and tabular combined notation". \(See also CCITT Recommendation X.292 \(1992\)\).](https://standards.iten.it/gds/sist/ets/300/758-3-2000)
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- [36] ETS 300 012/A2: "Amendment 2 to ETS 300 012 (1992), adding a SCS, a PICS and a PIXIT for interface points  $I_a$  and  $I_b$ ".
- [37] TBR 3: "Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN basic access".
- [38] TBR 4: "Integrated Services Digital Network (ISDN); Attachment requirements for terminal equipment to connect to an ISDN using ISDN primary rate access".
- [39] TBR 22: "Radio Equipment and Systems (RES); Attachment requirements for terminal equipment for Digital Enhanced Cordless Telecommunications (DECT) Generic Access Profile (GAP) applications".

### 3 Definitions and abbreviations STANDARD PREVIEW (standards.iteh.ai)

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

- a) the terms defined in ISO/IEC 9646-7 [28], and
- b) the definitions in ETS 300 434-1 [6] and ETS 300 434-2 [7].

#### 3.2 Abbreviations

For the purposes of this ETS, the abbreviations defined in ISO/IEC 9646-1 [22], ISO/IEC 9646-6 [27], ISO/IEC 9646-7 [28], the abbreviations defined in ETS 300 434-1 [6] and ETS 300 434-2 [7] apply. In particular, the following abbreviations apply:

ASP	Abstract Service Primitive
ATM	Abstract Test Method
ATS	Abstract Test Suite
BI	Invalid Behaviour
BO	Inopportune Behaviour
BV	Valid Behaviour
CA	Capability tests
CC	Call Control
CI	Common Interface
CISS	Call Independent Supplementary Services
CP	Co-ordination Point
CTR	Conformance Test Report
DECT	Digital Enhanced Cordless Telecommunications
DLC	Data Link Control
DFS	DECT Fixed System
DPS	DECT Portable System
FT	Fixed radio Termination
GAP	Generic Access Profile
ICS	Implementation Conformance Statement
IE	Information Element

ISDN	Integrated Services Digital Network
IUT	Implementation Under Test
IXIT	Implementation eXtra Information for Testing
IWP	Interworking Profile
IWU	Interworking Unit
LCE	Link Control Entity
LT	Lower Tester
LTS	Local Test Step
MAC	Medium Access Control layer
MM	Mobility Management entity
MTC	Master Test Component
NWK	Network
PCO	Point of Control and Observation
PCTR	Protocol Conformance Test Report
PDU	Protocol Data Unit
PHL	Physical Layer
PICS	Protocol Implementation Conformance Statement
PIXIT	Protocol Implementation eXtra Information for Testing
PSTS	Profile Specific Test Specification
PT	Portable radio Termination
PTC	Parallel Test Component
PTS	Profile Test Specification
RL	Requirements List
SDU	Service Data Unit
SCS	System Conformance Statement
SCTR	System Conformance Test Report
SUT	System Under Test
TP	Test Purpose
TSS	Test Suite Structure
TTCN	Tree and Tabular Combined Notation
UT	Upper Tester
XRL	IXIT Requirements list

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