



# SLOVENSKI STANDARD SIST ETS 300 434-2:1999

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8 [[ ]HJbY]nVc`yUbYVfYnj fj ] bYHfY\_ca i b]\_UWfYfB 97 HL!`8 [[ ]HJbc`ca fYyY`n  
]bHf f]fUb]a ]ghcf]hj Ua ]fG8 Bk!`JnUfYa bc`XYcj UbY`g]ghYa cj `8 97 H#G8 B`j  
\_cbZ[ i fUWf`\_cb bY[ Ug]ghYa U!`&`XY.`8 cghc dcj b]dfcZ`

Digital Enhanced Cordless Telecommunications (DECT); DECT/Integrated Services Digital Network (ISDN) interworking for end system configuration; ; Part 2: Access profile

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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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**Part 2: Access profile**

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## Foreword

This European Telecommunication Standard (ETS) has been produced by the Radio Equipment and Systems (RES) Technical Committee of the European Telecommunications Standards Institute (ETSI).

Further details of the DECT system may be found in ETR 015, ETR 043 and ETR 056 (see annex A).

This ETS consists of two parts as follows:

Part 1: "Interworking specification".

**Part 2: "Access profile".**

Transposition dates	
Date of adoption of this ETS:	26 April 1996
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## 1 Scope

This European Telecommunication Standard (ETS), part of the Integrated Services Digital Network (ISDN) Digital Enhanced Cordless Telecommunications (DECT) interworking profile, specifies the set of technical requirements for DECT Fixed Parts (FPs) and Portable Parts (PPs) necessary for the support of the ISDN-DECT Access Service (IAS).

Apparatus claiming interoperability based upon this IAP has to fully comply with the process mandatory technical requirements, and those for optional features so far as they are provided for in this ETS.

## 2 Normative references

This ETS incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

- [1] ETS 300 175-1: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] ETS 300 175-2: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer".
- [3] ETS 300 175-3: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] ETS 300 175-4: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [5] ETS 300 175-5: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".
- [6] ETS 300 175-6: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 6: Identities and addressing".
- [7] ETS 300 175-7: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 7: Security features".
- [8] ETS 300 175-8: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 8: Speech coding and transmission".
- [9] ETS 300 175-9: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 9: Public Access Profile (PAP)".
- [10] CCITT Recommendation G.726 (1988): "40, 32, 24, 16 kbit/s adaptive differential pulse code modulation (ADPCM)".
- [11] I-ETS 300 176: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Approval test specification".

- [12] ETS 300 434-1: "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) and Integrated Services Digital Network (ISDN) interworking for end system configuration - Part 1: Interworking specification".

### 3 Definitions and abbreviations

#### 3.1 Definitions

For the purpose of this ETS, the following definitions apply:

**bearer service:** A type of telecommunication service that provides a defined capability for the transmission of signals between user-network interfaces.

**broadcast:** A simplex point-to-multipoint mode of transmission.

**C-plane:** The control plane of the DECT protocol stacks, which contains all of the internal DECT protocol control, but may also include some external user information.

NOTE 1: The C-plane stack always contains protocol entities up to and including the Network (NWK) layer.

**call:** All of the NWK layer processes involved in one NWK layer peer-to-peer association.

NOTE 2: Call may sometimes be used to refer to processes of all layers, since lower layer processes are implicitly required.

**DECT Fixed System (DFS):** A logical grouping that contains all the functions between the DECT D reference point and the reference point on the fixed side of the DECT air interface.

NOTE 3: The DECT Fixed System (DFS) = FT + (local network up to the fixed side ISDN reference point (including fixed side IWU)).

**DECT Network (DNW):** A network that uses the DECT air interface to interconnect a local network to one or more portable applications. The logical boundaries of the DECT network are defined to be at the top of the DECT NWK layer.

NOTE 4: A DNW is a logical grouping that contains one or more fixed radio terminations plus their associated PT. The boundaries of the DECT network are not physical boundaries.

**DECT Portable System (DPS):** A logical grouping that contains all the functions between the DECT D reference point and the user interface on the portable side of the DECT air interface.

NOTE 5: The DPS = PT + (Portable Application (PA)).

**End System (ES):** A logical grouping that contains application processes and supports telecommunication services.

NOTE 6: From the OSI point of view, end systems are considered as sources and sinks of information.

**Fixed Part (DECT Fixed Part) (FP):** A physical grouping that contains all of the elements in the DECT network between the local network and the DECT air interface.

NOTE 7: A DECT FP contains the logical elements of at least one FT, plus additional implementation specific elements.

**Fixed Radio Termination (FT):** A logical group of functions that contains all of the DECT processes and procedures on the fixed side of the DECT air interface.

NOTE 8: A FT only includes elements that are defined in the DECT CI standard. This includes radio transmission elements together with a selection of layer 2 and layer 3 elements.