



# SLOVENSKI STANDARD

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**Digitalne izboljšane brezvrvične telekomunikacije (DECT) - Skupni vmesnik (CI) - 4. del: Plast krmiljenja podatkovnih povezav (DCL)**

Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer

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## Foreword

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

This ETS forms part 4 of a series of 9 laying down the arrangements for the Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI).

- Part 1: "Overview".
- Part 2 "Physical layer (PHL)".
- Part 3 "Medium Access Control (MAC) layer".
- Part 4 "Data Link Control (DLC) layer".**
- Part 5: "Network (NWK) layer".
- Part 6: "Identities and addressing".
- Part 7: "Security features".
- Part 8: "Speech coding and transmission".
- Part 9: "Public Access Profile (PAP)".

Annexes A, D and E in this ETS are normative. Annexes B, C and F in this ETS are informative.

Further details of the DECT system may be found in ETR 015, ETR 043, and ETR 056.

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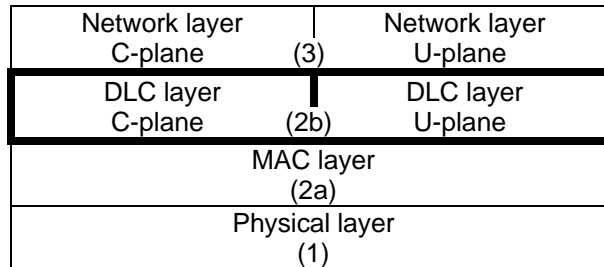
[SIST ETS 300 175-4:1999](https://standards.iteh.ai/catalog/standards/sist/464c2fa1-6fdd-418b-afab-3a39a244dca2/sist-ets-300-175-4-1999)

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## 1 Scope

This second edition European Telecommunication Standard (ETS) gives an introduction and overview of the complete Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI).

This part of the DECT CI specifies the Data Link Control (DLC) layer. The DLC layer is Part 4 of the DECT CI standard and layer 2b of the DECT protocol stack.



Two planes of operation are specified for this DLC (sub)layer. These planes are called the Control plane (C-plane) and the User plane (U-plane).

The C-plane is mostly concerned with the DECT signalling aspects. It provides a reliable point-to-point service that uses a link access protocol to offer error protected transmission of Network (NWK) layer messages. The C-plane also provides a separate point-to-multipoint (broadcast) service (Lb).

The U-plane is only concerned with end-to-end user information. This plane contains most of the application dependent procedures of DECT. Several alternative services (both circuit-mode and packet-mode) are defined as a family of independent entities. Each service provides one or more point-to-point U-plane data links, where the detailed characteristics of those links are determined by the particular needs of each service. The defined services cover a wide range of performance, from "unprotected with low delay" for speech applications to "highly protected with variable delay", for local area network applications.

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This ETS uses the layered model principles and terminology as described in CCITT Recommendations X.200 [15] and X.210 [16].

## 2 Normative references

This European Telecommunications Standard (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 ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] Draft prETS 300 175-1 Second edition (July 1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] Draft prETS 300 175-2 Second edition (July 1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical Layer (PHL)".
- [3] Draft prETS 300 175-3 Second edition (July 1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] Draft prETS 300 175-5 Second edition (August 1995): "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".