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Digital Enhanced Cordless Telecommunications (DECT); General terminal attachment requirements

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## Foreword

This Technical Basis for Regulation (TBR) has been produced by the Digital Enhanced Cordless Telecommunications (DECT) Project of the European Telecommunications Standards Institute (ETSI).

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Council Directive 98/13/EC [12] (as amended) laying down a procedure for the provision of information in the field of technical standards and regulations.

The present document is intended to become a Harmonized Standard as requested by the above mentioned mandate, the reference of which will be published in the Official Journal of the European Communities referencing the Council Directive on the approximation of the laws of the Member States concerning telecommunications terminal equipment, including the mutual recognition of their conformity (Directive 98/13/EC [12], known as the "TTE Directive").

A common technical regulation may be established by the European Commission in accordance with the Directive.

Technical specifications relevant to the 98/13/EC [12] Directive are given in the TBR Requirements Table (TBR-RT) in annex I.

<b>Transposition dates</b>	
Date of adoption of this TBR:	4 June 1999
Date of latest announcement of this TBR (doa):	30 September 1999
Date of latest publication of new National Standard or endorsement of this TBR (dop/e):	31 March 2000
Date of withdrawal of any conflicting National Standard (dow):	31 March 2000

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## 1 Scope

This TBR covers the general attachment requirements for terminal equipment for the Digital Enhanced Cordless Telecommunications (DECT) common interface.

The present document contains the procedures and requirements for the type examination of DECT equipment.

DECT equipment capable of being physically attached to the public network also needs to meet the appropriate attachment requirements. Speech attachment requirements are covered in TBR 10 (see annex A).

The present document is based on the DECT Common Interface (CI) given in EN 300 175, parts 1 [1] to 8 [8].

The present document specifies the technical characteristics to be provided by terminal equipment which is capable of connection to a public telecommunications network and which uses DECT cordless communications for network access. The cordless transmissions for such terminal equipment operate within the frequency band 1 880 MHz to 1 900 MHz.

The objective of the present document is to ensure that no disturbance occurs to the public network, and to ensure interworking between network and terminal so that calls can be routed successfully through the network, but without any guarantee of terminal to terminal operation.

The requirements in the present document applies together with the attachment requirements for the appropriate public network and the requirements of any other relevant TBR. It does not add to or reduce the attachment requirements unless there is a particular effect on the network which is unique to DECT.

A DECT terminal equipment comprises two elements, referred to as a Fixed Part (FP) and a Portable Part (PP). The present document is structured to allow type approval of the FP and PP as separate items.

Because of the need for effective use of the radio frequency spectrum, the air interface characteristics between FP and PP are tested.

For each requirement, a test is given, including measurement methods. Requirements apply at the public network interface of the terminal equipment, which may be stimulated to perform the tests by additional equipment if necessary.

Terminal equipment may be subject to additional or alternative requirements in other Common Technical Regulations (CTRs) depending on its functionality, in particular if it supports a service which is considered a justified case for regulation of terminal equipment interworking via the public telecommunications network.

## 2 Normative references

This TBR 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 TBR only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] EN 300 175-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] EN 300 175-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical layer (PHL)".
- [3] EN 300 175-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] EN 300 175-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".