



SLOVENSKI STANDARD
SIST EN 300 176-2 V2.2.1:2012
01-september-2012

**Digitalne izboljšane brezvrvične telekomunikacije (DECT) - Specifikacija preskusa -
2. del: Zvok in govor**

Digital Enhanced Cordless Telecommunications (DECT) - Test specification - Part 2:
Audio and speech

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Ta slovenski standard je istoveten z: **EN 300 176-2 Version 2.2.1**
SIST EN 300 176-2 V2.2.1:2012
<https://standards.iteh.ai/catalog/standards/sist/22095136-291e-4306-bc89-91ddc9b9037/sist-en-300-176-2-v2-2-1-2012>

ICS:

| | | |
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| 33.070.30 | Digitalne izboljšane brezvrvične telekomunikacije (DECT) | Digital Enhanced Cordless Telecommunications (DECT) |
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SIST EN 300 176-2 V2.2.1:2012 **en**

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ETSI EN 300 176-2 V2.2.1 (2012-07)



Digital Enhanced Cordless Telecommunications (DECT); Test specification; Part 2: Audio and speech

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ReferenceREN/DECT-000265

Keywords

7 kHz, audio, codec, DECT, handsfree, IMT-2000, loudspeaking, mobility, narrowband, quality, radio, regulation, speech, TDD, TDMA, telephony, terminal, testing, voice

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Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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SIST EN 300 176-2 V2.2.1:2012

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Foreword

This European Standard (EN) has been produced by ETSI Technical Committee Digital Enhanced Cordless Telecommunications (DECT).

The present document contains text pertaining to approval testing of the Digital Enhanced Cordless Telecommunications (DECT) Common Interface. Such text should be considered as guidance to approval (or licensing) authorities.

Details of the DECT Common Interface may be found in EN 300 175-1 [1] to EN 300 175-8 [8]. Further details of the DECT system may be found in the ETSI Technical Reports, TR 101 178 [i.1] and ETR 043 [i.7].

The present document is part 2 of a multi-part deliverable covering the approval test specification for Digital Enhanced Cordless Telecommunications (DECT), as identified below:

Part 1: "Radio";

Part 2: "Audio and speech".

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| National transposition dates | |
|--|-----------------|
| Date of adoption of this EN: | 12 July 2012 |
| Date of latest announcement of this EN (doa): | 31 October 2012 |
| Date of latest publication of new National Standard or endorsement of this EN (dop/e): | 30 April 2013 |
| Date of withdrawal of any conflicting National Standard (dow): | 30 April 2013 |

1 Scope

The present document specifies the tests applicable to all Digital Enhanced Cordless Telecommunications (DECT) equipment accessing any DECT frequency band (including applicable IMT-2000 frequency bands) and the tests applicable to DECT speech and audio transmission using any of the codecs and any of the audio specifications described in EN 300 175-8 [8].

The aims of the present document are to ensure:

- efficient use of frequency spectrum;
- no harm done to any connected network and its services;
- no harm done to other radio networks and services;
- no harm done to other DECT equipment or its services;
- interworking of terminal equipment via any public telecommunications network, including the ISDN/PSTN network and the Internet.

Through testing those provisions of EN 300 175-1 [1] to EN 300 175-8 [8] which are relevant to these aims.

The tests of EN 300 176 are split into two parts:

- part 1 covers testing of radio frequency parameters, security elements and those DECT protocols that facilitate the radio frequency tests and efficient use of frequency spectrum;
- part 2 (the present document) describes testing of speech and audio requirements between network interface and DECT PT, or between a DECT CI air interface and alternatively a DECT PT or FT.
This part is not applicable to terminal equipment specially designed for the disabled (e.g. with amplification of received speech as an aid for the hard of hearing).

DECT terminal equipment consists of the following elements:

- a) Fixed Part (FP);
- b) Portable Part (PP);
- c) Cordless Terminal Adapter (CTA);
- d) Wireless Relay Station (WRS) (FP and PP combined).

The present document is structured to allow tests of either:

- a) the FP and PP together; or
- b) the FP and PP as separate items.

Where the DECT FP is connected to a PSTN, and there are any peculiarities in the requirements for voice telephony, these will be accommodated within the FP.