

ETSI TS 102 841 V1.2.1 (2011-02)

Technical Specification

**Digital Enhanced Cordless Telecommunications (DECT);
New Generation DECT;
Extended wideband speech services;
Profile Test Specification (PTS) and Test Case Library (TCL)**

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Digital Enhanced Cordless Telecommunications (DECT).

The present document is based on EN 300 175 parts 1 [1] to 8 [8], EN 300 444 [12], TS 102 527-1 [13] and TS 102 527-3 [14]. General attachment requirements and speech attachment requirements are based on EN 300 176-1 [9], EN 301 406 [11] (replacing TBR 006 [i.2]) and EN 300 176-2 [10] (previously covered by TBR 010 [i.3]). Further details of the DECT system may be found in TR 101 178 [i.1].

The information in the present document is believed to be correct at the time of publication. However, DECT standardization is a rapidly changing area, and it is possible that some of the information contained in the present document may become outdated or incomplete within relatively short time-scales.

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1 Scope

The present document contains the Profile Test Specification (PTS) and the Test Case Library (TCL) for "New Generation DECT; Part 3: Extended wideband speech" (TS 102 527-3 [14]). The present document covers both the Portable (PT) and the Fixed (FT) Radio terminations.

The Test Case Library (TCL) covers also some test cases for "DECT New Generation; part 1; Wideband speech" (TS 102 527-1 [13]) and for the "Generic Access Profile" (EN 300 444 [12]). This is done because such test cases are mandatory or especially relevant for New Generation DECT part 3 (see TS 102 527-3 [14]), and are not covered by existing GAP test specifications.

Due to the ascending compatibility of DECT profiles, all New Generation DECT part 3 devices (see TS 102 527-3 [14]) are required to be also compliant with "DECT New Generation; part 1; Wideband speech" (TS 102 527-1 [13]) and with the "Generic Access Profile" (GAP, EN 300 444 [12]). Annex D of the present document specifies the modifications to GAP test cases for requirements and tests that are optional in GAP test specifications (see note), but that become mandatory by the support of the corresponding GAP features in New Generation DECT Part 3.

NOTE: The industry de-facto standard practice for insuring the compliance to GAP [12] is the use of TBR 022 [i.4] amended by TBR 022/A1 [i.5], even when these two documents do not have any longer their initial regulatory signification. TBR 022 [i.4] relies on the GAP Profile Test Specification (EN 300 494 parts 1 [i.6] to 3 [i.8]) and on the DECT Test Case Library (EN 300 497 parts 1 [i.9] to 9 [i.17]). GAP test suite includes also the GAP Profile Implementation Conformance Statement (PICS) (EN 300 474 parts 1 [i.25] and 2 [i.26]) and the DECT Common Interface (CI) Profile Implementation Conformance Statement (PICS) (EN 300 476 parts 1 [i.18] to 7 [i.24]).

The objective of the present document is to provide a basis for approval tests of NG-DECT Part 3 equipment giving a high probability of air interface inter-operability between different manufacturer's DECT equipment.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

2.1 Normative references

The following referenced documents are necessary for the application of the present document.

- [1] ETSI EN 300 175-1: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 1: Overview".
- [2] ETSI EN 300 175-2: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 2: Physical layer (PHL)".
- [3] ETSI EN 300 175-3: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 3: Medium Access Control (MAC) layer".
- [4] ETSI EN 300 175-4: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 4: Data Link Control (DLC) layer".
- [5] ETSI EN 300 175-5: "Digital Enhanced Cordless Telecommunications (DECT); Common Interface (CI); Part 5: Network (NWK) layer".