



SLOVENSKI STANDARD
DSIST ETS 300 765-2:1999
01-a UFW1999

8 [[]HJbY]nVc`yUbYVfYnj fj] bYhY_ca i b]_UWY'fB 97 HL!'FUX]c`j`_fUYj b]`nUb_] fF @Q`Xcglcdcj b]`dfcZ`fF 5 DL!'&"XY. BUdfYXbYhYYZc`bg_Y`gfcf]hj Y

Digital Enhanced Cordless Telecommunications (DECT); Radio in the Local Loop (RLL) Access Profile (RAP); Part 2: Advanced telephony services

Ta slovenski standard je istoveten z: ETS 300 765-2 Edition 1

ICS:

33.070.30 Öã äæ) ^/á à[|zæ) ^ Digital Enhanced Cordless
à!^: ç|çã} ^/á ^\ [{ ~ } ä æä Telecommunications (DECT)
ÇÖÓVD

DSIST ETS 300 765-2:1999

en



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 765-2

April 1998

Source: DECT

Reference: DE/DECT-050075-2

ICS: 33.020

Key words: DECT, GSM, RLL

**Digital Enhanced Cordless Telecommunications (DECT);
Radio in the Local Loop (RLL) Access Profile (RAP);
Part 2: Advanced telephony services**

ETSI

European Telecommunications Standards Institute

ETSI Secretariat

Postal address: F-06921 Sophia Antipolis CEDEX - FRANCE

Office address: 650 Route des Lucioles - Sophia Antipolis - Valbonne - FRANCE

Internet: secretariat@etsi.fr - <http://www.etsi.fr> - <http://www.etsi.org>

Tel.: +33 4 92 94 42 00 - Fax: +33 4 93 65 47 16

Copyright Notification: No part may be reproduced except as authorized by written permission. The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 1998. All rights reserved.

Contents

Foreword	5
1 Scope	7
2 Normative references	7
3 Definitions, abbreviations and symbols	9
3.1 DECT definitions	9
3.2 DECT abbreviations	12
3.3 ISDN abbreviations	13
3.4 Other abbreviations	13
3.5 Symbols	13
4 Description of services	14
4.1 Reference model	14
4.2 Services & facilities	14
4.2.1 ISDN services	14
4.2.2 Non-voiceband data services	15
4.2.2.1 LAN service	15
4.2.2.2 Internet access	16
4.2.2.2.1 IP transport service	16
4.2.2.2.2 Internet over Point-to-Point Protocol (PPP) service	16
4.2.2.3 Modem	16
4.2.2.4 Group 3 facsimile	16
5 Feature definitions	17
5.1 Network (NWK) features	17
5.1.1 DECT CTA OA&M features	17
5.1.2 ISDN CTA specific OA&M features	17
6 Interoperability requirements	18
6.1 General	18
6.2 NWK features	18
6.2.1 General	18
6.2.2 OA&M features	18
6.3 DLC services	19
6.3.1 General	19
6.4 MAC services	19
6.4.1 General	19
6.4.2 Blind slot information	19
6.4.3 Improved channel selection rules	19
6.4.4 Advance timing	20
6.5 Physical Layer (PHL) services	20
6.5.1 General	20
6.6 NWK feature to procedure mapping	21
7 NWK layer procedures	23
7.1 Maintenance calls	23
7.1.1 Maintenance calls within the data profiles	23
7.1.1.1 Incoming maintenance call	23
7.1.1.2 Outgoing maintenance call	23
7.1.1.3 Outgoing call during maintenance call	23
7.1.1.4 Incoming call during maintenance call	23
7.1.2 Maintenance calls within the IIP	23
7.1.2.1 Incoming maintenance call	23
7.1.2.2 Outgoing maintenance call	23

7.2	Sending OA&M information.....	24
7.2.1	Physical resources fault.....	24
7.2.2	Remote test.....	24
7.2.3	Alarms.....	25
7.2.4	On-air modification of user parameters.....	25
7.2.4.1	Modification of existing users parameters.....	25
7.2.4.2	Additional subscriptions to the same fixed part.....	26
7.2.4.3	Derivation of AC for additional subscriptions.....	26
7.2.5	Remote configuration.....	27
7.2.6	Claim actions.....	28
7.2.7	Remote resynchronization.....	28
7.2.8	Advanced file transfer.....	29
7.3	WRS maintenance calls.....	30
7.3.1	Incoming WRS maintenance call.....	30
7.3.2	Outgoing WRS maintenance call.....	30
7.3.3	Maintenance during WRS MM operation.....	30
Annex A (informative):	ETS 300 175-5 changes.....	31
Annex B (normative):	Codings for "OA&M" messages.....	33
B.1	General Structure for RAP <<IWU-TO-IWU>> IE.....	33
B.2	RAP-OA&M IWU-TO-IWU Contents Proprietary.....	34
B.3	RAP-OA&M IWU-TO-IWU Contents Standardized.....	35
Annex C (informative):	CTA data port realizations.....	38
Annex D (normative):	Interworking with WRSs.....	39
D.1	Definitions of features, services and procedures.....	39
D.1.1	NWK features.....	39
D.1.2	MAC services.....	39
D.2	Interoperability requirements.....	40
D.2.1	NWK features.....	40
D.2.2	DLC services.....	41
D.2.3	MAC services.....	41
D.2.4	PHL services.....	42
D.2.5	NWK feature to procedure mapping.....	43
D.2.6	MAC service to procedure mapping.....	45
D.3	NWK layer procedures.....	46
D.3.1	NWK layer transparency between FT and PT.....	46
D.3.2	Cipher key transfer to CRFP.....	46
D.4	MAC layer procedures.....	46
D.4.1	Extended Fixed Part capabilities.....	46
D.4.2	Hop control.....	46
D.4.3	Normal C/O bearer set-up.....	46
D.4.4	Dual C/O bearer set-up.....	46
D.4.5	CRFP connection suspend and resume.....	47
D.4.6	CRFP C/O release.....	47
D.4.7	Bearer handover request.....	47
D.4.8	Connection handover request.....	47
Annex E (normative):	Synchronization requirements for fixed parts.....	48
History.....		49

Foreword

This European Telecommunication Standard (ETS) has been produced by the Digital Enhanced Cordless Telecommunications (DECT) Project of the European Telecommunications Standards Institute (ETSI).

Every ETS prepared by ETSI is a voluntary standard. This ETS may contain text concerning conformance testing of the equipment to which it relates. This text should be considered as guidance only and does not make this ETS mandatory.

This ETS is based on ETS 300 175 parts 1 to 8 [1] - [8], EN 300 444 [13], ETS 300 822 [19], ETS 300 701 [21], ETS 300 651 [22] and ETS 300 755 [23]. This ETS has been developed in accordance to the rules of documenting a profile specification as described in ISO/IEC 9646-6 [11].

This ETS forms part 2 of a 2 part ETS, as follows:

Part 1: "Basic telephony services";

Part 2: "Advanced telephony services".

Transposition dates	
Date of adoption of this ETS:	20 March 1998
Date of latest announcement of this ETS (doa):	31 July 1998
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 January 1999
Date of withdrawal of any conflicting National Standard (dow):	31 January 1999

Blank page