



SLOVENSKI STANDARD

DSIST ETS 300 764:2001

01-ZVfi UF-2001

8][JHUbY]nVc`ýUbY'VfYnj fj] bYHYY_ca i b]_UWYYfB 97 HÉ! ; `cVUb]g]ghÝa
a cV]b]_ca i b]_UWYf! GAŁ! DfcZ] a YXgYVc'bY[UXYcj Ub'U897 H# GA 'fHK DŁ!
=nj YXVUgħcf]lj Y_fUh_]l_gdcfc]žħċ _Uħċ _U]b'fħndfýYbc 'j 'W]W

Digital Enhanced Cordless Telecommunications (DECT); Global System for Mobile communications (GSM); DECT/GSM Interworking Profile (IWP); Implementation of short message service, point-to-point and cell broadcast

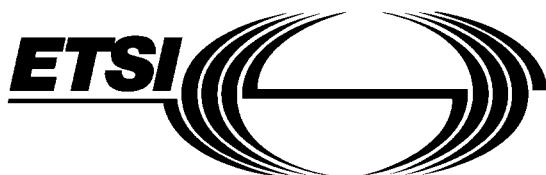
Ta slovenski standard je istoveten z: ETS 300 764 Edition 1

ICS:

33.070.30	Öa ãæ} ^A à[bzæ} ^ à ^: c çã } ^A ^\\ [{ ^ } à æ} ^ ØÖÖVD	Digital Enhanced Cordless Telecommunications (DECT)
33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)

DSIST ETS 300 764:2001

en



EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 764

May 1997

Source: ETSI EP-DECT

Reference: DE/DECT-010057

ICS: 33.020

Key words: DECT, fax, GSM, interworking, radio, SMS

**Digital Enhanced Cordless Telecommunications (DECT);
Global System for Mobile communications (GSM);
DECT/GSM Interworking Profile (IWP);
Implementation of short message service,
point-to-point and cell broadcast**

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
X.400: c=fr, a=atlas, p=etsi, s=secretariat - **Internet:** secretariat@etsi.fr

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 1997. All rights reserved.

Contents

Foreword	7
Introduction.....	7
1 Scope	9
2 Normative references.....	10
3 Definitions, abbreviations and symbols	13
3.1 DECT definitions.....	13
3.2 Abbreviations	16
3.3 GSM abbreviations and definitions	16
3.4 Symbols for status columns.....	17
4 General.....	18
5 Interworking requirements.....	18
5.1 General	18
5.2 Reference configurations.....	19
5.2.1 FP functional attachment to the GSM PLMN	19
5.3 Service requirements.....	19
5.4 General interworking model for FP GSM PLMN attachment.....	20
5.5 Interworking context.....	21
5.5.1 General.....	21
5.5.2 Basic interworking rules	22
5.5.3 Interpretation of broadcast attributes.....	23
5.5.4 Interpretation of terminal capability	24
6 Interworking mappings, FP attached to the GSM PLMN	24
6.1 FP C-plane IWU procedures	24
6.1.1 Call handling SM MO IWU procedures	24
6.1.1.1 Call setup procedure.....	24
6.1.1.2 CM service procedure abnormal cases.....	25
6.1.1.3 Short message transfer procedure.....	26
6.1.1.4 Connection release procedure	26
6.1.1.5 Error procedures.....	27
6.1.2 Other IWU procedures	28
6.1.3 Call handling IWU SM MT procedures.....	28
6.1.3.1 Call setup procedure.....	28
6.1.3.2 Call setup abnormal situations	29
6.1.3.3 Short message transfer procedure	30
6.1.3.4 Connection release procedure	30
6.1.3.5 Error procedures.....	31
6.1.4 External handover procedures	31
6.1.5 Other call handling procedures	31
6.1.6 CLMS IWU SMSCB procedures	31
6.1.7 MM IWU procedures	33
6.1.8 Other IWU procedures	33
6.1.9 Message mappings SM MO and SM MT services	33
6.1.9.1 GSM to DECT.....	33
6.1.9.1.1 CM-service-accept - CC-CONNECT	34
6.1.9.1.2 CP-DATA - IWU-INFO	35
6.1.9.1.3 CP-ACK - IWU-INFO	36
6.1.9.1.4 CP-DATA - CC-SETUP	36
6.1.9.1.5 CP-ERROR - CC-RELEASE-COM	37
6.1.9.1.6 CP-ACK - CC-RELEASE	37
6.1.9.2 DECT to GSM.....	37

6.1.9.2.1	CC-SETUP - CM-service request	38
6.1.9.2.2	IWU-INFO - CP-DATA	39
6.1.9.2.3	CC-RELEASE - CP-ERROR	39
6.1.9.2.4	CC-RELEASE - CP-ACK.....	40
6.1.9.2.5	CC-RELEASE-COM - CP-ERROR	40
6.1.10	Information elements mappings, SM MO and SM MT services	40
6.1.10.1	GSM to DECT	40
6.1.10.1.1	CP-Cause - Release Reason.....	40
6.1.10.1.2	CP-User data- IWU-TO-IWU	40
6.1.10.2	DECT to GSM	41
6.1.10.2.1	Basic service - CM-Service type	41
6.1.10.2.2	Release Reason - CP-Cause.....	41
6.1.10.2.3	IWU-TO-IWU - CP-User data	41
6.1.11	Fields in information element coding, SM MO and SM MT services	42
6.1.11.1	GSM to DECT	42
6.1.11.1.1	Protocol discriminator - protocol discriminator.....	42
6.1.11.1.2	Transaction ID - Transaction Identifier .	42
6.1.11.1.3	Cause value - Release reason code	42
6.1.11.2	DECT to GSM	42
6.1.11.2.1	protocol discriminator - protocol discriminator	42
6.1.11.2.2	Transaction ID - Transaction ID	42
6.1.11.2.3	Call class - service type.....	43
6.1.11.2.4	Cause value-Cause - Release reason code.....	43
6.1.12	Information mapping, SMSCB service.....	43
6.1.12.1	GSM to DECT	43
6.1.13	Information elements mappings SMSCB service	44
6.1.13.1	SMSCB message - CLMS-FIXED data section 1	44
6.1.13.2	SMSCB message - CLMS-FIXED data section 2	44
6.1.13.3	SMSCB message - CLMS-FIXED other data sections	44
6.1.14	Fields mappings SMSCB service	44
6.1.14.1	General field mapping rule.....	44
6.2	PP C-plane SM MO IWU procedures	44
6.2.1	Connection establishment and data transfer	45
6.2.2	Connection release and abnormal situations.....	46
6.3	PP C-plane SM MT IWU procedures	46
6.3.1	Connection establishment and data transfer	46
6.3.2	Connection release and abnormal situations.....	47
6.4	Summary of primitive mappings in SM MO and SM MT cases.....	47
6.5	PP C-plane SMSCB IWU procedures	48
7	Interworking connection types	48
7.1	Connection type definitions	48
7.1.1	General	48
7.1.2	<<BASIC SERVICE>> coding	48
7.1.3	<<IWU-ATTRIBUTES>> default coding	48
7.1.4	<<CALL ATTRIBUTES>> default coding.....	49
7.1.5	<<CONNECTION ATTRIBUTES>> default coding	49
7.1.6	<<MMS Gen Hdr>> coding.....	49
7.1.7	<<MMS Obj Hdr>> coding	49
Annex A (normative):	Interworking with Subscriber Identity Module (SIM) application	50
Annex B (normative):	MMSP requirements for SM MO external handover support.....	51
B.1	Introduction	51
B.2	General rules	51
B.3	MMSP state machine.....	51
B.3.1	MMSP states.....	52

B.3.1.1	MMSP state MMSP-00: "IDLE"	52
B.3.1.2	MMSP state MMSP-01: "WAIT FOR REPLY".....	52
B.3.2	MMSP timers	52
B.3.3	MMSP retransmission counter.....	52
B.3.4	MMSP state transitions.....	52
B.3.5	Abnormal situations	52
Annex C (informative):	Signalling charts	53
Annex D (informative):	An example of primitives and message flows	55
Annex E (informative):	Bibliography	57
History.....		58

Blank page