SLOVENSKI STANDARD

PSIST ETS 300 792:2001

01-februar-2001

Digitalne izboljġane brezvrviļ ne telekomunikacije (DECT) - Globalni sistem mobilnih komunikacij (GSM) - Profil medsebojnega delovanja DECT/GSM (IWP) - Izvedba faksimila skupine 3

Digital Enhanced Cordless Telecommunications (DECT); Global System for Mobile communications (GSM); DECT/GSM Interworking Profile (IWP); Implementation of facsimile group 3

Ta slovenski standard je istoveten z: **ETS 300 792 Edition 1**

ICS:

33.070.30	Digitalne izboljġane brezvrviļ ne telekomunikacije (DECT)	Digital Enhanced Cordless Telecommunications (DECT)
33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)

PSIST ETS 300 792:2001 **en**

2003-01.Slovenski inštitut za standardizacijo. Razmnoževanje celote ali delov tega standarda ni dovoljeno.

SIST ETS 300 792:2001

SIST ETS 300 792:2001

EUROPEAN TELECOMMUNICATION STANDARD

ETS 300 792

June 1997

Source: ETSI EP-DECT

Reference: DE/DECT-010072

ICS: 33.020

Key words: DECT, FAX, GSM, profile

Digital Enhanced Cordless Telecommunications (DECT); Global System for Mobile communications (GSM); DECT/GSM Interworking Profile (IWP); Implementation of facsimile group 3

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.

SIST ETS 300 792:2001

Whilst every care has been taken in the preparation and publication of this document, errors in content, typographical or otherwise, may occur. If you have comments concerning its accuracy, please write to "ETSI Editing and Committee Support Dept." at the address shown on the title page.

SIST ETS 300 792:2001

Contents

Foreword 5

Introduction 5

1 Scope 7

2 Normative references 7

3 Definitions, abbreviations and symbols 10
3.1 Definitions 10
3.2 Abbreviations 13
3.3 Symbols for status columns 14

4 General 14

5 Interworking requirements 15
5.1 General 15
5.2 Supported ITU-T Recommendation T.30 features 16
5.3 Reference configurations 16
5.4 General interworking model for FP GSM PLMN attachment 16
5.5 Service requirements 17
5.6 Interworking context 18
5.6.1 General 18
5.6.2 Basic interworking rules 18
5.6.3 Interpretation of broadcast attributes 18
5.6.4 Interpretation of terminal capability 19

6 Interworking mappings, FP attached to the GSM PLMN 19
6.1 General 19
6.2 FP C-Plane IWU procedures 19
6.2.1 Call handling IWU procedures 19
6.2.1.1 General 19
6.2.1.2 Outgoing automatic facsimile group 3 call (PP to FP) 19
6.2.1.2.1 Call setup procedure (including T.30 phase A) 19
6.2.1.2.2 Call release (including ITU-T Recommendation T.30, phase E) 20
6.2.1.2.3 Other call handling procedures 20
6.2.1.3 Incoming automatic facsimile group 3 call (FP to PP) 20
6.2.1.3.1 Call setup procedure (including ITU-T Recommendation T.30, phase A) 20
6.2.1.3.2 Call release (including ITU-T Recommendation T.30, phase E) 20
6.2.1.3.3 Other call handling procedures 20
6.2.2 Mobility management IWU procedures 20
6.2.3 Channel mode modify procedures 21
6.2.4 CC and mobility management message mappings 21
6.2.4.1 GSM to DECT 21
6.2.4.2 DECT to GSM 21
6.3 FP U-Plane ITU-T Recommendation T.30 and MMSP IWU procedures 21
6.3.1 General 21
6.3.2 GSM automatic facsimile group 3 transparent and MMSP interworking 21
6.3.2.1 FP interworking function requirements 21
6.3.2.2 The fax adaptor and ITU-T Recommendation T.30/MMSP mapping entity functionality 21
6.3.2.3 Flow control 22
6.3.2.4 Interchange circuit mappings 22

SIST ETS 300 792:2001

6.3.3 GSM automatic facsimile group 3 non-transparent and MMSP interworking 23
6.3.3.1 FP interworking function requirements 23
6.3.3.2 The FA and ITU-T Recommendation T.30/MMSP mapping entity functionality 23
6.3.3.3 Flow control 23
6.3.3.4 Interchange circuit mappings 23
6.3.4 Supported ITU-T Recommendation T.30 procedures 23
6.3.5 Outgoing call ITU-T Recommendation T.30 procedures (PP to FP) 24
6.3.5.1 Phase A 24
6.3.5.2 Phase B 24
6.3.5.3 Phase C 24
6.3.5.4 Phase D 24
6.3.5.5 Phase E 24
6.3.6 Incoming call ITU-T Recommendation T.30 procedures (FP to PP) 24
6.3.6.1 Phase A 24
6.3.6.2 Phase B 24
6.3.6.3 Phase C 24
6.3.6.4 Phase D 24
6.3.6.5 Phase E 24
6.4 PP C-Plane IWU procedures 24
6.5 PP U-Plane IWU procedures 25

7 Interworking connection types 25
7.1 Connection type definitions 25
7.1.1 General 25
7.2 Connection type definitions 25
7.2.1 <<Basic service>> coding 25
7.2.2 <<Iwu-attributes>> default coding 26
7.2.3 <<Call attributes>> default coding 26
7.2.4 <<Connection attributes>> default coding 26
7.2.5 <<MMS Gen Hdr>> coding 26
7.2.6 <<MMS Obj Hdr>> coding 26

Annex A (informative): Procedure examples of transparent A-interface solutions 27

Annex B (informative): Alternate speech and facsimile group 3 teleservice 29

History 30

SIST ETS 300 792:2001

Foreword

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

Transposition dates	
Date of adoption:	6 June 1997
Date of latest announcement of this ETS (doa):	30 September 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 March 1998
Date of withdrawal of any conflicting National Standard (dow):	31 March 1998

Introduction

This ETS is a part of a set of standards for the DECT/GSM Interworking Profile (IWP) concept that includes:

- general description of service requirements, functional capabilities and information flows, (ETS 300 466 [13]);
- access and mapping (protocol/procedure description for 3,1 kHz speech service), (ETS 300 370 [10]);
- GSM-MSC/DECT-FP fixed interconnection (ETS 300 499 [14]);
- GSM Phase 2 supplementary services implementation (ETS 300 703 [23]);
- short message services, point to point and cell broadcast (ETS 300 764 [26]);
- implementation of bearer services (ETS 300 756 [25]);
- implementation of facsimile group 3 (this ETS).

This ETS is based on Digital Enhanced Cordless Telecommunications (DECT) Common Interface (CI) specification ETS 300 175, parts 1 to 8 [1] to [8] to enable DECT terminals to interwork in the public and private environment with DECT systems which are connected to a Global System for Mobile communications (GSM) core infrastructure.

In addition, this ETS is based on the DECT Generic Access Profile (GAP), ETS 300 444 [12] to enable the same DECT/GSM terminal to interwork with a DECT Fixed Part (FP) complying to the GAP requirements, irrespective of whether this FP provides residential, business or public access services. General attachment requirements and speech attachment requirements are based on TBR 6 [28] and TBR 10 [29].

Further details on the DECT system may be found in ETR 015 [30], ETR 043 [31], ETR 056 [32], and in ETS 300 176 [9].

SIST ETS 300 792:2001

Blank page