



SLOVENSKI STANDARD SIST ETS 300 787:2001

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a cV]b]`_ca i b]_UWfYf GAŁ! 8 [[]HJbc`ca fYy`Yn`bHf] f]fUb]a]g]hcf]hj Ua]f]G8 BŁ!
8 cgltd`8 97 H'Xc'; GA `dfY_c`=G8 B`!`Gd`cýb]cd]g'nUa Hf] YnUg]hcf]hj Y

Digital Enhanced Cordless Telecommunications (DECT); Global System for Mobile communications (GSM); Integrated Services Digital Network (ISDN); DECT access to GSM via ISDN; General description of service requirements

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ICS:

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33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
33.080	Digitalno omrežje z integriranimi storitvami (ISDN)	Integrated Services Digital Network (ISDN)

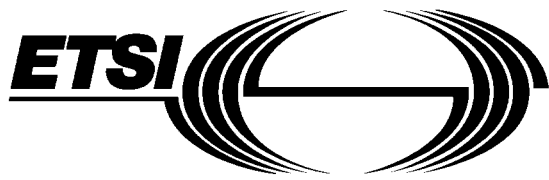
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**Digital Enhanced Cordless Telecommunications (DECT);
Global System for Mobile communications (GSM);
Integrated Services Digital Network (ISDN);
DECT access to GSM via ISDN;
General description of service requirements**

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Contents

Foreword	5
1 Scope	7
2 Normative references	8
3 Definitions and abbreviations	9
3.1 Definitions	9
3.2 Abbreviations	10
4 Description	10
4.1 General	10
4.2 DECT access network attachment to GSM PLMN	11
4.3 Interworking model	12
5 Core features.....	13
5.1 Outgoing call	13
5.2 Emergency call	13
5.3 Incoming call	13
5.4 Location handling.....	13
5.5 Handover	14
5.6 Security features.....	14
5.7 Identity feature	14
6 Interworking requirements.....	14
6.1 Interworking between DECT access network and GSM service provider	14
6.2 Interworking between DECT access network and GSM PLMN.....	15
History.....	16

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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:	20 June 1997
Date of latest announcement of this ETS (doa):	31 October 1997
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 April 1998
Date of withdrawal of any conflicting National Standard (dow):	30 April 1998

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1 Scope

General

This European Telecommunication Standard (ETS) defines the general requirements needed for the provisioning of Global System for Mobile communications (GSM) basic services via the Digital Enhanced Cordless Telecommunications (DECT) air interface for the case that the DECT network elements are interconnected with the GSM Public Land Mobile Networks (PLMNs) via Integrated Services Digital Network (ISDN) interfaces.

To enable DECT terminals to interwork with DECT systems which are connected to the GSM infrastructure via ISDN interfaces, this ETS specifies the requirements on the network that derive from the fact that an ISDN interface is used rather than the standard A-interface. This ETS is based on the DECT/GSM interworking profile specifications ETS 300 466 [1] and ETS 300 370 [2] and on the DECT and ISDN interworking for end system configuration ETS 300 434 [3].

NOTE 1: Interconnection of GSM PLMN and DECT access network elements via interfaces other than the ISDN interface (e.g. the A-interface) is outside the scope of this ETS.

This ETS and the corresponding stage 2 standard specify the requirements for:

- the protocols for mobility management functions across the ISDN interface; and
- the DECT access network interworking/mappings for mobility management functions across the ISDN interface; and
- the additions to the ISDN protocols for the support of basic telephony services as specified in ETS 300 403-1 [4].

The DECT access network interworking/mappings for DECT and ISDN interworking are specified in ETS 300 434 [3].

The DECT access protocols and Portable Part (PP) interworking/mappings necessary for the support of basic telephony services are specified in ETS 300 370 [2] and ETS 300 444 [5].

Interaction with services/supplementary services are outside the scope of this ETS.

Handover among DECT cells and GSM cells as well as handover among DECT cells connected to different DECT access networks, which are individually linked to a Mobile Switching Centre (MSC), is outside the scope of this ETS.

Definition and applicability

This ETS describes how users with DECT PPs are enabled to access to GSM services and to make calls from and to receive calls at any location where:

- a) DECT radio coverage is provided; and
- b) access is allowed to the user.

The application of an ISDN interface between GSM PLMN and DECT access network elements as opposed to the A-interface introduces the capability for GSM service providers to offer their services by making use of the DECT radio equipment of existing DECT access networks having implemented ISDN interfaces.

NOTE 2: The DECT access network can be owned by the GSM service provider but it could also be a Private Automatic Branch Exchange (PABX) or private network providing transparent access to GSM.

Provided this, the GSM user accesses his/her telecommunication services in any DECT radio covered location where access is allowed. The DECT/GSM network keeps track of the terminals location throughout the entire network.