



SLOVENSKI STANDARD

SIST ETS 300 601 E1:2003

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European digital cellular telecommunications system (Phase 2); Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN) (GSM 09.04)

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ICS:

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33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)

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**European digital cellular telecommunications system (Phase 2);
Interworking between the Public Land Mobile Network (PLMN)
and the Circuit Switched Public Data Network (CSPDN)
(GSM 09.04)**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Special Mobile Group (SMG) Technical Committee (TC) of the European Telecommunications Standards Institute (ETSI).

This ETS identifies the Interworking Functions (IWFs) and requirements to support interworking between Public Land Mobile Network (PLMN) and Circuit Switched Public Data Network (CSPDN). This ETS corresponds to GSM technical specification GSM 09.04 version 4.0.2.

The specification from which this ETS has been derived was originally based on CEPT documentation, hence the presentation of this ETS may not be entirely in accordance with the ETSI/PNE rules.

Reference is made within this ETS to GSM-TSs (NOTE).

NOTE: TC-SMG has produced documents which give the technical specifications for the implementation of the European digital cellular telecommunications system. Historically, these documents have been identified as GSM Technical Specifications (GSM-TSs). These TSs may have subsequently become I-ETSs (Phase 1), or ETSs (Phase 2), whilst others may become ETSI Technical Reports (ETRs). GSM-TSs are, for editorial reasons, still referred to in current GSM ETSs.

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1 Scope

The purpose of this specification is to identify the IWFs and requirements to support interworking between PLMN and CSPDN.

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

- [1] GSM 01.04 (ETR 100): "European digital cellular telecommunication system (Phase 2); Definitions, abbreviations and acronyms".
- [2] CCITT Recommendation V.110: "Support of data terminal equipments (DTEs) with V-Series interfaces by an integrated services digital network".
- [3] CCITT Recommendation X.51: "Fundamental parameters of multiplexing scheme for international interface between synchronous data networks using 10 bit envelope structure".
- [4] CCITT Recommendation X.54: "Allocation of channels on international multiplex links at 64 kbps".
- [5] CCITT Recommendation X.121: "International numbering plan for public data networks".
- [6] CCITT Recommendation X.300: "General principles and arrangements for interworking between public data networks, and between public data networks and other networks".
- [7] CCITT Recommendation X.21: "Interface between Data Terminal Equipment (DTE) and Data Circuit Terminating Equipment (DCE) for synchronous operations in public data networks".
- [8] CCITT Recommendation X.30: "Support of X.21, X.21 bis and X.20 bis based terminal equipments (DTEs) by integrated services digital network (ISDN)".
- [9] CCITT Recommendation X.71: "Decentralized terminal and transit control signalling system on international circuits between synchronous data networks".
- [10] CCITT Recommendation Q.931: "Integrated services digital network.(ISDN) User-Network interface layer 3 specification for basic control".
- [11] CCITT Recommendation Q.921: "Integrated services digital network.(ISDN) user-network interface - Data link layer specification".
- [12] CCITT Recommendation I.461: "Support of X.21, X.21bis and X.20bis based data terminal equipment (DTEs) by integrated services digital network (ISDN)".
- [13] GSM 02.01 (ETS 300 500): "European digital cellular telecommunication system (Phase 2); Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)".
- [14] GSM 02.02 (ETS 300 501): "European digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".