



SLOVENSKI STANDARD SIST ETS 300 723 E1:2003

01-december-2003

Digitalni celij ni telekomunikacijski sistem i Funkcije za obdelavo izboljšanega govora s polno hitrostjo (EFR) i Splojni opis (GSM 06.51)

Digital cellular telecommunications system; Enhanced Full Rate (EFR) speech processing functions; General description (GSM 06.51)

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ICS:

33.070.50	Globalni sistem za mobilno telekomunikacijo (GSM)	Global System for Mobile Communication (GSM)
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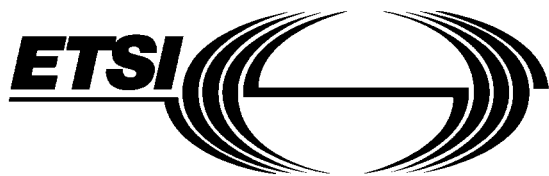
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GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS

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**Digital cellular telecommunications system;
Enhanced Full Rate (EFR) speech processing functions;
General description
(GSM 06.51)**

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

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Foreword

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

This ETS introduces the Enhanced Full Rate (EFR) speech traffic channels within the digital cellular telecommunications system.

This ETS corresponds to GSM technical specification, GSM 06.51, version 5.1.2

Transposition dates	
Date of adoption:	28 February 1997
Date of latest announcement of this ETS (doa):	30 June 1997
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1 Scope

This European Telecommunication Standard (ETS) is an introduction to GSM 06.60 (ETS 300 726) [6], GSM 06.61 (ETS 300 727) [7], GSM 06.62 (ETS 300 728) [8], GSM 06.81 (ETS 300 729) [9] and GSM 06.82 (ETS 300 730) [10] ETSs dealing with the speech processing functions in the Enhanced Full Rate channel of the GSM system. A general overview of the speech processing functions is given, with reference to the ETSs where each function is specified in detail.

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): "Digital cellular telecommunications system (Phase 2); Abbreviations and acronyms".
- [2] GSM 03.50 (ETS 300 540): "Digital cellular telecommunications system (Phase 2); Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system".
- [3] GSM 05.03 (ETS 300 575): "Digital cellular telecommunications system (Phase 2); Channel coding".
- [4] GSM 06.53 (ETS 300 724): "Digital cellular telecommunications system; ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec".
- [5] GSM 06.54 (ETS 300 725): "Digital cellular telecommunications system; Test vectors for the GSM Enhanced Full Rate (EFR) speech codec".
- [6] GSM 06.60 (ETS 300 726): "Digital cellular telecommunications system; Enhanced Full Rate (EFR) speech transcoding".
- [7] GSM 06.61 (ETS 300 727): "Digital cellular telecommunications system; Substitution and muting of lost frame for Enhanced Full Rate (EFR) speech traffic channels".
- [8] GSM 06.62 (ETS 300 728): "Digital cellular telecommunications system; Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels".
- [9] GSM 06.81 (ETS 300 729): "Digital cellular telecommunications system; Discontinuous transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels".
- [10] GSM 06.82 (ETS 300 730): "Digital cellular telecommunications system; Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels".

3 Definitions and abbreviations

3.1 Definitions

Definition of terms used in this ETS can be found in GSM 06.60 (ETS 300 726) [6], GSM 06.61 (ETS 300 727) [7], GSM 06.62 (ETS 300 728) [8], GSM 06.81 (ETS 300 729) [9] and GSM 06.82 (ETS 300 730) [10].