



SLOVENSKI STANDARD SIST ETS 300 966 E1:2003

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cVXYUj c` [cj cfUg`dc`\]]fcgh]`f] GA`\$*`\$&žfUn`]]WJ) "\$`%&

Digital cellular telecommunications system; Half rate speech; Half rate speech processing functions (GSM 06.02 version 5.0.1)

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ICS:

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

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GLOBAL SYSTEM FOR
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Digital cellular telecommunications system;

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Half rate speech;

Half rate speech processing functions

(GSM 06.02 version 5.0.1)

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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 gives a general overview of the half rate speech traffic channels speech processing functions for the digital cellular telecommunications system. This ETS is part of ETSs' series covering the half rate speech traffic channels as described below:

GSM 06.02	ETS 300 966: "Digital cellular telecommunications system; Half rate speech; Half rate speech processing functions".
GSM 06.20	ETS 300 969: "Digital cellular telecommunications system; Half rate speech; Half rate speech transcoding".
GSM 06.21	ETS 300 970: "Digital cellular telecommunications system; Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels".
GSM 06.22	ETS 300 971: "Digital cellular telecommunications system; Half rate speech; Comfort noise aspects for half rate speech traffic channels".
GSM 06.41	ETS 300 972: "Digital cellular telecommunications system; Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels".
GSM 06.42	ETS 300 973: "Digital cellular telecommunications system; Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels".
GSM 06.06	ETS 300 967: "Digital cellular telecommunications system; Half rate speech; ANSI-C code for the GSM half rate speech codec".
GSM 06.07	ETS 300 968: "Digital cellular telecommunications system; Half rate speech; Test sequences for the GSM half rate speech codec".

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Transposition dates

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Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	28 February 1998
Date of withdrawal of any conflicting National Standard (dow):	28 February 1998

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1 Scope

This European Telecommunication Standard (ETS) is an introduction to GSM 06.20 (ETS 300 969) [4], GSM 06.21 (ETS 300 970) [5], GSM 06.22 (ETS 300 971) [6], GSM 06.41 (ETS 300 972) [7] and GSM 06.42 (ETS 300 973) [8] ETSs dealing with the speech processing functions in the half-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 350): "Digital cellular telecommunications system (Phase 2+); Abbreviations and acronyms".
- [2] GSM 03.50 (ETS 300 903): "Digital cellular telecommunications system (Phase 2+); Transmission planning aspects of the speech services in the GSM Public Land Mobile Network (PLMN) system".
- [3] GSM 05.03 (ETS 300 909): "Digital cellular telecommunications system (Phase 2+); Channel coding".
- [4] GSM 06.20 (ETS 300 969): "Digital cellular telecommunications system; Half rate speech; Half rate speech transcoding".
- [5] GSM 06.21 (ETS 300 970): "Digital cellular telecommunications system; Half rate speech; Substitution and muting of lost frame for half rate speech traffic channels".
- [6] GSM 06.22 (ETS 300 971): "Digital cellular telecommunications system; Half rate speech; Comfort noise aspects for half rate speech traffic channels".
- [7] GSM 06.41 (ETS 300 972): "Digital cellular telecommunications system; Half rate speech; Discontinuous transmission (DTX) for half rate speech traffic channels".
- [8] GSM 06.42 (ETS 300 973): "Digital cellular telecommunications system; Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels".
- [9] ITU-T Recommendation G.711: "Pulse Code Modulation (PCM) of voice frequencies".
- [10] GSM 06.07 (ETS 300 968): "Digital cellular telecommunications system; Half rate speech; Test sequences for the GSM half rate speech codec".
- [11] GSM 06.06 (ETS 300 967): "Digital cellular telecommunications system; Half rate speech; ANSI-C code for the GSM half rate speech codec".