



SLOVENSKI STANDARD

SIST TBR 032:2000

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Digital cellular telecommunications system (Phase 2); Attachment requirements for mobile stations in the DCS 1 800 band and additional GSM 900 band; Telephony

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ICS:

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

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Foreword

This Technical Basis for Regulation (TBR) has been produced by the Special Mobile Group (SMG) of the European Telecommunications Standards Institute (ETSI).

The present TBR has been produced by ETSI in response to a mandate from the European Commission issued under Council Directive 83/189/EEC (as amended) laying down a procedure for the provision of information in the field of technical standards and regulations.

The present TBR is intended to become a Harmonized Standard as requested by the above mentioned mandate, the reference of which will be published in the Official Journal of the European Communities referencing the Council Directive on the approximation of the laws of the Member States concerning telecommunications terminal equipment, including the mutual recognition of their conformity (Directive 91/263/EEC, known as "the TTE Directive").

A common technical regulation may be established by the European Commission in accordance with the Directive.

Technical specifications relevant to the 91/263/EEC Directive are given in the TBR-Requirements Table (TBR-RT) in annex A.

This TBR covers the requirements for GSM Telephony (speech).

This TBR contains the procedures and requirements for the approval testing of GSM terminal equipment for speech. These requirements apply to terminals for Phase 2 of the public land mobile radio service, operating in:

- the DCS 1 800 band; or
- both in the DCS 1 800 band and the GSM 900 MHz band.

The requirements of other TBRs apply in addition to this TBR.

For each test, supplementary information is provided, giving a justification why this item has been selected for regulatory testing, and a reference to the relevant article of the Terminal Directive [1].

This TBR is based on the ETS 300 607-1 (GSM 11.10-1) [2].

NOTE: This TBR for Phase 2 may be developed in stages. The first release will include, as a minimum, all of the basic Phase 2. Subsequent releases will include additional requirements.

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1 Scope

This Technical Basis for Regulation (TBR) specifies the technical requirements to be met by terminal equipment capable of connecting to a public telecommunications network. These requirements apply to terminals for Phase 2 of the public land mobile radio service, operating in:

- the DCS 1 800 band; or
- both in the DCS 1 800 band and the GSM 900 MHz band.

with a channel separation of 200 kHz, utilizing constant envelope modulation and carrying traffic channels according to the Time Division Multiple Access (TDMA) principle.

This TBR specifies the access requirements for terminals as stated above implementing the GSM standard.

For each test purpose and its corresponding conformance requirement, a reference is given to ETS 300 607-1 (GSM 11.10-1) [2]. The requirements apply to speech transmission.

The measurement uncertainty is handled, as described in ETS 300 607-1 (GSM 11.10) [2].

This TBR covers the essential requirements of the Terminal Directive 91/263/EEC [1] Article 4g. Articles 4d, 4e, and 4f are covered by TBR 31 [6].

The Terminal Directive 91/263/EEC Articles 4a and 4b are covered by other directives, and, therefore, not by this TBR.

In this TBR, there are no Electromagnetic Compatibility technical requirements in terms of the Terminal Directive 91/263/EEC, Article 4c.

NOTE 1: Technical Requirements for EMC performance and testing of the equipment are covered by the relevant standards applicable to the EMC Directive 89/336/EEC, annex A.

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Terminal equipment may be subject to additional requirements in other Common Technical Regulations (CTR) depending on the equipments functionality.

ETS 300 607-1 (GSM 11.10) [2] constitutes the conformance test suite referenced by this TBR. The verification of the conformance requirements in this TBR is based on the tests described in this reference. The set of requirements in ETS 300 607-1 (GSM 11.10) [2] and the set of requirements in this TBR need not be identical.

Some requirements only apply to specific types of mobile station (e.g. data tests only apply to mobile stations with a data facility). The TBR also indicates the specific test which shall be carried out for each mobile station type.

An active accessory is covered by this TBR if it modifies the terminal performance in an aspect which affects conformance to essential requirements.

NOTE 2: Only active devices are subject to this TBR. Accessories may be tested with specific terminals, and either approved for use with those terminals only, or may possibly be approved for use with a wider range of terminals, depending on the nature and effect of the accessory.