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Evropski digitalni celiļ ni telekomunikacijski sistem - Priključļ itvene zahteve za mobilne postaje globalnega mobilnega komunikacijskega sistema (GSM) - Dostop

European digital cellular telecommunications system; Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access

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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 92 94 42 00 - Fax: +33 93 65 47 16

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Foreword

This Technical Basis for Regulation (TBR) has been produced by the Special Mobile Group (SMG) Technical Committee of the European Telecommunications Standards Institute (ETSI). This TBR covers the general access requirements for terminal equipment for the Global System for Mobile communications (GSM) mobile services.

This TBR contains the procedures and requirements for the approval testing of GSM terminal equipment for access.

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 I-ETS 300 020-1 [2].

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1 Scope

This Technical Basis for Regulation (TBR) specifies the technical requirements to be met by terminal equipment capable of connection to a public telecommunications network. These requirements apply to terminals for phase 1 of the public land mobile radio service utilising constant envelope modulation, operating in the 900 MHz band with a channel separation of 200 kHz, and carrying 8 full rate traffic channels per carrier according to the Time Division Multiple Access (TDMA) principle.

The objective of this TBR is to cover the requirements for Global System for Mobile (GSM) communications access to the network.

For each conformance requirement, one or more test purposes are given. For each test purpose, a single reference is given to the test method in I-ETS 300 020-1 [2]. The requirements apply at the air interface and the SIM-ME interface for the access requirements, which may be stimulated to perform the tests by additional equipment if necessary.

The measurement uncertainty is handled, as described in I-ETS 300 020-1 [2].

This TBR covers the essential requirements of the Terminal Directive 91/263/EEC [1] Articles 4d, 4e, 4f. Non access related aspects of speech telephony, where Article 4g has been applied, are covered by TBR 9 [7].

The Terminal Directive 91/263/EEC [1] Articles 4a and 4b are covered by other directives, and, therefore, not by this TBR.

In this TBR, there are no EMC technical requirements in terms of the Terminal Directive 91/263/EEC [1], Article 4c.

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NOTE: Technical Requirments 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.

I-ETS 300 020-1 [2] constitutes the full conformance test suite for GSM. The verification of the conformance requirements in this TBR is based on the tests described in this reference. The set of requirements in I-ETS 300 020-1 [2] and the set of requirements in this TBR need not be identical.

2 Normative references

This TBR incorporates, by dated or 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 revision of any of these publications apply to the requirements specified in this TBR, only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1] Terminal Directive 91/263/EEC: "Council directive of 29 April 1991 on the approximation of the laws of the Member States concerning telecommunications terminal equipment, including the mutual recognition of their conformity. ("The Terminal Directive")".

[2] I-ETS 300 020-1: "European digital cellular telecommunications system (phase 1); Mobile station conformity specifications, ETSI 1992" (GSM 11.10 v.3.14.0).

[3] CCITT Recommendation X.290 (1991): "Open Systems Interconnection - Conformance Testing Methodology and Framework, General Concepts".

[4] CCITT Recommendation X.291 (1991): "Open Systems Interconnection - Conformance Testing Methodology and Framework, Abstract Test Suite Specification".