



SLOVENSKI STANDARD

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Digital cellular telecommunications system (Phase 2) (GSM); Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access (GSM 13.01 version 4.0.1)

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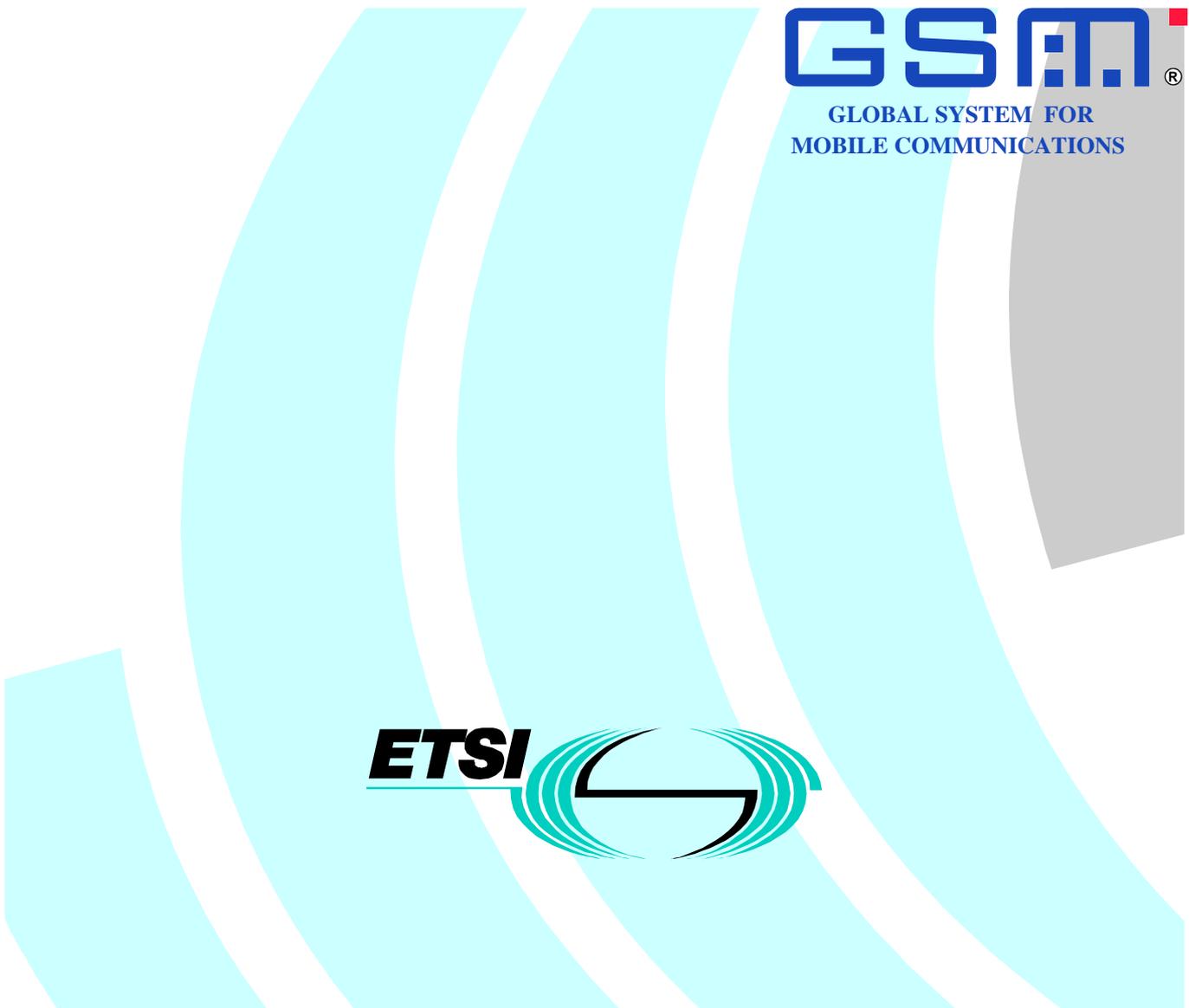
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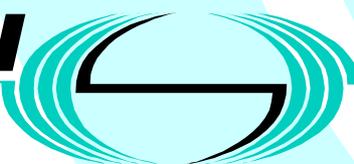
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Candidate Harmonized European Standard (Telecommunications series)

**Digital cellular telecommunications system (Phase 2);
Attachment requirements for Global System for
Mobile communications (GSM);
Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands;
Access
(GSM 13.01 version 4.0.1)**



GSM®
GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS

ETSI 

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Foreword

This Candidate Harmonized European Standard (Telecommunications series) has been produced by Special Mobile Group (SMG).

The present document is part 1 of a multi-part EN covering the attachment requirements for Global System for Mobile communications (GSM), as identified below:

- Part 1: "Mobile stations in the GSM 900 and DCS 1 800 bands; Access";**
- Part 2: "High Speed Circuit Switched Data (HSCSD) multislot mobile stations; Access";
- Part 3: "Advanced Speech Call Items (ASCI); Mobile Stations; Access";
- Part 4: "General Packet Radio Service (GPRS); Mobile stations; Access";
- Part 5: "Cordless Telephony System Mobile Stations (CTS-MS); Access";
- Part 6: "Cordless Telephony System Fixed Part (CTS-FP); Access";
- Part 7: "Railways Band (R-GSM); Mobile Stations; Access";
- Part 8: "Enhanced Data rates for GSM Evolution (EDGE) Mobile Stations; Access";
- Part 9: "Adaptive Multi-Rate Codec (AMR) mobile stations; Access".

The present document has been produced by ETSI in response to a mandate from the European Commission issued under Council Directive 98/34/EC (as amended) laying down a procedure for the provision of information in the field of technical standards and regulations.

The present document is intended to become a Harmonized Standard, the reference of which will be published in the Official Journal of the European Communities referencing the Directive 98/13/EC of the European Parliament and of the Council relating to telecommunications terminal equipment and satellite earth station equipment, including the mutual recognition of their conformity ("Directive 98/13/EC").

This standard covers the general access requirements for terminal equipment for Phase 2 of the public land mobile radio service, operating in:

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

The present document contains the procedures and requirements for the approval testing of DCS 1 800 and Multiband terminal equipment for access.

The requirements of other standards may apply in addition to this standard.

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 document is based on EN 300 607-1 (GSM 11.10-1) [2].

The contents of this EN may be subject to continuing work within SMG and may change following formal SMG approval. Should SMG modify the contents of this EN it will then be re-submitted for formal approval procedures by ETSI with an identifying change of release date and an increase in version number as follows:

Version 4.x.y

where:

4 GSM Phase 2

x the second digit is incremented for all other types of changes, i.e. technical enhancements, corrections, updates, etc.;

y the third digit is incremented when editorial only changes have been incorporated in the specification.

National transposition dates	
Date of adoption of this EN:	3 December 1999
Date of latest announcement of this EN (doa):	31 March 2000
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	30 September 2000
Date of withdrawal of any conflicting National Standard (dow):	30 September 2000

1 Scope

The present document 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 GSM 900 band; or
- 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, utilising constant envelope modulation and carrying traffic channels according to the Time Division Multiple Access (TDMA) principle.

This standard 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 the test method in EN 300 607-1 (GSM 11.10-1) [2]. The requirements apply at the air interface and the Subscriber Identity Module - Mobile Equipment interface for the access requirements, which may be stimulated to perform the tests by additional equipment if necessary.

The measurement uncertainty is described in EN 300 607-1 (GSM 11.10-1) [2].

This standard covers the essential requirements of the Terminal Directive 98/13/EC [1] Articles 5d, 5e, 5f. Non access related aspects of speech telephony, where Article 5g has been applied, are covered by EN 301 420.

The Terminal Directive 98/13/EC [1] Articles 5a and 5b are covered by other directives, and, therefore, not by this standard.

In this standard, there are no Electromagnetic Compatibility technical requirements in terms of the Terminal Directive 98/13/EEC [1], Article 5c.

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.

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

EN 300 607-1 (GSM 11.10-1) [2] constitutes the conformance test suite for GSM. The verification of the conformance requirements in this standard is based on the tests described in this reference. The set of requirements in EN 300 607-1 (GSM 11.10-1) [2] and the set of requirements in this standard 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, tests that only apply to GSM900 or only to DCS1 800 or to both). The following standard indicates the specific test which should be carried out for each mobile station type.

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

NOTE 2: Only active devices are subject to this standard. 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.