



SLOVENSKI STANDARD
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Digital cellular telecommunications system (Phase 2+); Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) multislotted mobile stations; Access (GSM 13.34 version 5.0.3)

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**Digital cellular telecommunications system (Phase 2+);
Attachment requirements for Global System for Mobile
communications (GSM);
High Speed Circuit Switched Data (HSCSD) Multislot
Mobile Stations;
Access
(GSM 13.34 version 5.0.3)**

The background of the lower half of the page features a large, stylized graphic of concentric, overlapping curved bands in shades of light blue and cyan, resembling a signal or a globe. The GSM logo is positioned in the upper right area of this section.

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Reference

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Foreword

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

This standard covers the High Speed Circuit Switched Data Multislot (HSCSD) requirements for terminal equipment for the Global System for Mobile communications (GSM) mobile services.

This standard contains the procedures and requirements for the approval testing of GSM terminal equipment implementing the HSCSD optional feature for access.

The requirements of TBR 19 [3] and/or TBR-31 [5], apply in addition to this standard, for HSCSD terminal equipment, Access.

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 version 5.5.0) [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 5.x.y

where:

- 5 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.

Proposed national transposition dates	
Date of adoption of this EN:	19 March 1999
Date of latest announcement of this EN (doa):	30 June 1999
Date of latest publication of new National Standard or endorsement of this EN (dop/e):	31 December 1999
Date of withdrawal of any conflicting National Standard (dow):	31 December 1999

1 Scope

This Harmonised Standard specifies the technical requirements to be met by terminal equipment capable of connecting to a public telecommunications network and that support the GSM High Speed Circuit Switched Data Multislot (HSCSD) feature. These requirements apply to terminals for Phase 2+ of the public land mobile radio service, operating in the 900 MHz and 1800 MHz bands 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 terminal equipment HSCSD requirements for the GSM 900 and the DCS 1800 versions of the Global System for Mobile communications (GSM).

This standard applies in addition to any regulatory requirements, eg. CTR 19/CTR 31, for HSCSD terminal equipment, Access.

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.

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 98/18/EC [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.

This standard specifies the HSCSD Terminal equipment additional requirements, Access.

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.

All the requirements in this standard are specific to mobile stations supporting HSCSD.

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.

2 Normative references

References may be made to:

- a) specific versions of publications (identified by date of publication, edition number, version number, etc.), in which case, subsequent revisions to the referenced document do not apply; or
- b) all versions up to and including the identified version (identified by "up to and including" before the version identity); or
- c) all versions subsequent to and including the identified version (identified by "onwards" following the version identity); or
- d) publications without mention of a specific version, in which case the latest version applies.

A non-specific reference to an standard shall also be taken to refer to later versions published as an standard with the same number.

- [1] Directive 98/13/EC of the European Parliament and of the Council of 12 February 1998 relating to telecommunications terminal equipment and satellite earth station equipment, including the mutual recognition of their conformity.
- [2] EN 300 607-1 (GSM 11.10-1 version 5.5.0): "Digital cellular telecommunications system (Phase 2+); Mobile station conformity specifications".
- [3] TBR 19: "European digital cellular telecommunications system; Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access".
- [4] GSM 01.04 (ETR 350): "Digital cellular telecommunication system (Phase 2+); Abbreviations and acronyms"
- [5] TBR 31: "European digital cellular telecommunications system (Phase2); Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access".
- [6] TBR 20: "European digital cellular telecommunications system (Phase 20; Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Telephony".
- [7] TBR 32: "European digital cellular telecommunications system (Phase2); Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Telephony".

3 Abbreviations

For the purposes of this standard the following additional abbreviations apply:

HSCSD	High Speed Circuit Switched Data
MO	Mobile Originated
MT	Mobile Terminated
T	Transparent
NT	Non Transparent
AIUR	Air Interface User Rate
FNUR	Fixed Network User Rate

Additional GSM related abbreviations can be found in GSM 01.04 (ETR 350) [4].

4 General requirements

HSCSD terminals shall conform to:

- a) the requirements of TBR 19/TBR 31 according to the frequency band(s) implemented in the terminal; and
- b) the requirements of clause 5 of this standard; and
- c) the requirements in Annex A of this standard; and
- d) if the terminal implements speech services, the requirements of TBR 20/TBR 32 according to the frequency band(s) implemented in the terminal.

5 Requirements

The following table contains all requirements that are needed to meet the essential requirements as defined in the Terminal Directive [1]. A justification according to article 5 of the Terminal Directive is given by stating the relevant categories (c to f) together with a text supporting the justification.