

**Digital cellular telecommunications system (Phase 2);
Mobile Station (MS) conformance specification;
Part 1: Conformance specification
(GSM 11.10-1 version 4.24.1)
(ETS 300 607-1 V4.24.1:1999-04)**

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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

Internet: secretariat@etsi.fr - <http://www.etsi.org>

Tel.: +33 4 92 94 42 00 - Fax: +33 4 93 65 47 16

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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 describes the technical characteristics and methods of test for Mobile Stations (MSs), operating in the 900 MHz and 1 800 MHz frequency band (GSM 900 and DCS 1 800) within the digital cellular telecommunications system.

This ETS corresponds to GSM technical specification GSM 11.10-1 version 4.24.0.

This part of the ETS (Part 1), contains conformity specifications for which mobile stations, within the digital cellular telecommunications system (Phase 2), are tested for compliance. This ETS describes the test procedures, test conditions and test site and the provisions within the mobile station, to support the process of conformance testing.

ETS 300 607 consists of three parts, which have the following ETS numbers and titles:

ETS 300 607-1	Digital cellular telecommunications system (Phase 2); Mobile Station (MS) conformance specification; Part 1: Conformance specification
	Reference: GSM 11.10-1.
ETS 300 607-2	Digital cellular telecommunications system (Phase 2); Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification
	Reference: GSM 11.10-2.
ETS 300 607-3	Digital cellular telecommunications system (Phase 1); Mobile Station (MS) conformance specification; Part 3: Layer 3 (L3) Abstract Test Suite (ATS)
	Reference: GSM 11.10-3.

The specification from which this ETS has been derived was originally based on CEPT documentation, hence the presentation of this ETS may not be entirely in accordance with the ETSI/PNE Rules.

Transposition dates	
Date of adoption of this ETS:	09 April 1999
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1 Scope

This European Telecommunications Standard (ETS) describes the technical characteristics and methods of test for Mobile Stations (MS), for the Pan European digital cellular communications system and Personal Communication Systems (PCS) operating in the 900 MHz and 1 800 MHz band (GSM 900 and DCS 1 800), standardized by ETSI Technical Committee Special Mobile Group (SMG).

A subset of the tests is referenced in the GSM Common Technical Regulations (CTRs) and is used for regulatory conformance testing according to the EEC procedures for Telecommunications Terminal Equipment (TTE) type approval (EC Directive 91/263/EEC; also known as the "Terminal Directive" or "Second Phase Directive"). The remaining tests can be used to verify conformance with the GSM core technical specifications for those requirements that are not considered "essential" in the sense of the EC Directive 91/263/EEC (Article 4).

This ETS covers the minimum characteristics considered necessary in order to provide sufficient performance for mobile equipment and to prevent interference to other services or to other users, and to the PLMNs.

It does not necessarily include all the characteristics which may be required by a user or subscriber, nor does it necessarily represent the optimum performance achievable.

It applies to the public land mobile radio service in the GSM 900 and DCS 1 800 systems, using constant envelope modulation and operating on radio frequencies in the 900 and 1 800 MHz bands respectively with a channel separation of 200 kHz and carrying 8 full rate channels or 16 half rate channels per carrier according to the TDMA principle.

This ETS is part of the GSM-series of technical specifications. This ETS neither replaces any of the other GSM technical specifications or GSM related ETS, nor is it created to provide full understanding of (or parts of) the GSM 900 and DCS 1 800 systems. This ETS lists the requirements, and provides the methods of test for testing a MS for conformance to the GSM standard.

For a full description of the system, reference should be made to all the GSM technical specifications or GSM related ETSS. Clause 2 provides a complete list of the GSM technical specifications, GSM related ETSS, and ETRs, on which this conformance test specification is based.

This ETS applies to the unit which includes the hardware to establish a connection across the radio interface.

If there is a difference between this conformance test ETS, and any other GSM technical specification or GSM related ETS, then the other GSM technical specification or GSM related ETS shall prevail.

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 revision of any of these publications apply to the requirements specified in 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 Version 4.1.2 (ETR 350): "Digital cellular telecommunication system (Phase 2); Abbreviations and acronyms".
- [2] GSM 02.02 Version 4.2.2: "Digital cellular telecommunication system (Phase 2); Bearer Services (BS) supported by a GSM Public Land Mobile Network (PLMN)".
- [3] GSM 02.03 Version 4.3.1: "Digital cellular telecommunication system (Phase 2); Teleservices supported by a GSM Public Land Mobile Network (PLMN)".
- [4] GSM 02.04 Version 4.9.1: "Digital cellular telecommunication system (Phase 2); General on supplementary services".