



AMENDMENT

**I-ETS 300 020-2
A1**

Source: ETSI TC-SMG

Reference: RI/GSM 11.40

ICS: 33.060.50

Key words: European digital cellular telecommunications system, Global System for Mobile Communications (GSM)

**This amendment A1 modifies
the Interim European Telecommunication Standard I-ETS 300 020-2 (1992)**

**European digital cellular telecommunications system (Phase 1);
Mobile station conformance test system;
System simulator specification
(Part 2)**

ETSI

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Foreword

This Amendment to I-ETS 300 020-2 (1992) has been produced by the Special Mobile Group (SMG) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This Amendment to I-ETS 300 020-2 corresponds to the changes to GSM Technical Specification (GSM-TS) 11.40 from version 3.5.0 to version 3.7.0 by TC-SMG.

This Amendment modifies the Title page, Foreword, and pages 23, 28, 33 and 34 of I-ETS 300 020-2.

Amendments

Title page, Title

Delete the words "Candidate NET 10," from the last line of the title.

Foreword

Delete the existing Foreword text and replace with the following:

"This Interim European Telecommunication Standard (I-ETS) has been produced by the Special Mobile Group (SMG) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This I-ETS 300 020-2, corresponds to ETSI Technical Specification GSM 11.40 version 3.7.0.

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

I-ETS 300 020-1 is a normative reference within TBR 5 (Technical Basis for Regulation). It therefore contains text concerning type approval of the equipment to which it relates.

The relevant type approval procedures for the mobile station are given in CEPT Recommendation T/R 21-08.

I-ETS 300 020 consists of two parts. Part 1 has the following I-ETS number, title and reference:

I-ETS 300 020-1	European digital cellular telecommunications system (Phase 1); Mobile station conformance test system System simulator specification (Part 1)
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Reference: GSM 11.10.

Reference is made within this I-ETS to the following GSM Technical Specifications (see NOTE):

GSM 02.06 "Types of Mobile Station (MS)".

GSM 02.07 "Mobile station features".

The above specifications, together with Annexes B, C, G and H of this I-ETS are normative.

NOTE: TC-SMG has produced documents which give the technical specifications for the implementation of the European digital cellular telecommunications system. Historically, these documents have been identified as GSM Technical Specifications (GSM-TSs). These GSM-TSs may have subsequently become I-ETSs (Phase 1), or ETSS (Phase 2), whilst others may become ETSI Technical Reports (ETRs). GSM-TSs are, for editorial reasons, still referred to in current GSM documents.

The specification from which this I-ETS has been derived was originally based on CEPT documentation, hence the presentation of this I-ETS may not be entirely in accordance with the ETSI/PNE rules. Furthermore, this I-ETS was originally prepared as a candidate NET (NET 10, Part 1), therefore, this draft contains references to NET 10. These references may be removed.

The page numbering of the main part of this I-ETS is aligned with GSM-TS 11.40. This I-ETS contains 52 pages in total.

Page 23, subclause 3.3.1.2 Wideband selective power measurement

Delete the following text:

"Uncertainty < +/- 1.5 dB (+/- 6.0 dB)"

and replace with the text:

"Uncertainty (± 6,0 dB)
 100 kHz to 1 GHz < ± 1,5 dB
 1 GHz to 12,75 GHz <± 3,dB

NOTE: The uncertainties include the effects of a worst case reflection from the MS of 0,7 for out of band signals."

Page 28, subclause 3.4.5 The wide frequency range signal

Third paragraph under the word LEVEL delete the following:

"Range.....0 to 113 dBmicroVolt EMF"

Replace the deleted text with the following:

"frequency (MHz)	level (dBµV(emf))
0,1.....500	0.....91
500.....835	0.....107
835.....1000	0.....117
1000....12750	0.....93"

Page 33, 34 subclause 3.7.2 Measurements and Definitions on the contact C1

Delete the text following "Therefore the SIM Simulator shall be able to define:" up to the end of subclause 3.7.2 and replace with the following text:

" 1) Single spikes

Current load	0 mA	$\pm 0,1$ mA
	4,7 mA	$\pm 0,3$ mA
	9,5 mA	$\pm 0,5$ mA
	19,0 mA	$\pm 1,0$ mA
	47,5 mA	$\pm 2,5$ mA
	95,0 mA	$\pm 5,0$ mA
	190,0 mA	$\pm 10,0$ mA

Pulse width	100 - 500 ns
Step Size	50 ns
Error	± 25 ns

Rise and fall time max. 50 ns

2) Continuous spikes

Current load	0 mA	$\pm 0,1$ mA
	4,7 mA	$\pm 0,3$ mA
	9,5 mA	$\pm 0,5$ mA
	19,0 mA	$\pm 1,0$ mA
	47,5 mA	$\pm 2,5$ mA
	95,0 mA	$\pm 5,0$ mA
	190,0 mA	$\pm 10,0$ mA

Pulse width	100 - 500 ns
Pause width	100 - 500 ns
Step Size	50 ns
Error	± 25 ns

Rise and fall time max. 50 ns

3) Pseudorandom spikes

Current load	0 mA	$\pm 0,1$ mA
	4,7 mA	$\pm 0,3$ mA
	9,5 mA	$\pm 0,5$ mA
	19,0 mA	$\pm 1,0$ mA
	47,5 mA	$\pm 2,5$ mA
	95,0 mA	$\pm 5,0$ mA
	190,0 mA	$\pm 10,0$ mA

Pulse width	100 - 500 ns
Pause width	100 - 500 ns
Step Size	50 ns
Error	± 25 ns

Rise and fall time max. 50 ns"

History

Document history	
September 1994	Unified Approval Procedure UAP 18: 1994-09-05 to 1994-12-30
November 1995	First Edition
June 1996	Converted into Adobe Acrobat Portable Document Format (PDF)