

ETSI TR 101 646 V4.6.0 (2002-06)

Technical Report

**Digital cellular telecommunications system (Phase 2 and Phase 2+);
Recommended infrastructure measures
to overcome specific Mobile Station (MS) faults
(3GPP TR 09.94 version 4.6.0 GSM Phase 2)**



Reference

RTR/TSGN-010994v460

Keywords

GSM

ETSI

650 Route des Lucioles
F-06921 Sophia Antipolis Cedex - FRANCE

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

Siret N° 348 623 562 00017 - NAF 742 C
Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

Important notice

Individual copies of the present document can be downloaded from:

<http://www.etsi.org>

The present document may be made available in more than one electronic version or in print. In any case of existing or perceived difference in contents between such versions, the reference version is the Portable Document Format (PDF). In case of dispute, the reference shall be the printing on ETSI printers of the PDF version kept on a specific network drive within ETSI Secretariat.

Users of the present document should be aware that the document may be subject to revision or change of status.

Information on the current status of this and other ETSI documents is available at

<http://portal.etsi.org/tb/status/status.asp>

If you find errors in the present document, send your comment to:

editor@etsi.fr

Copyright Notification

No part may be reproduced except as authorized by written permission.
The copyright and the foregoing restriction extend to reproduction in all media.

© European Telecommunications Standards Institute 2002.
All rights reserved.

DECT™, **PLUGTESTS™** and **UMTS™** are Trade Marks of ETSI registered for the benefit of its Members.
TIPHON™ and the **TIPHON logo** are Trade Marks currently being registered by ETSI for the benefit of its Members.
3GPP™ is a Trade Mark of ETSI registered for the benefit of its Members and of the 3GPP Organizational Partners.

Intellectual Property Rights

IPRs essential or potentially essential to the present document may have been declared to ETSI. The information pertaining to these essential IPRs, if any, is publicly available for **ETSI members and non-members**, and can be found in ETSI SR 000 314: "*Intellectual Property Rights (IPRs); Essential, or potentially Essential, IPRs notified to ETSI in respect of ETSI standards*", which is available from the ETSI Secretariat. Latest updates are available on the ETSI Web server (<http://webapp.etsi.org/IPR/home.asp>).

Pursuant to the ETSI IPR Policy, no investigation, including IPR searches, has been carried out by ETSI. No guarantee can be given as to the existence of other IPRs not referenced in ETSI SR 000 314 (or the updates on the ETSI Web server) which are, or may be, or may become, essential to the present document.

Foreword

This Technical Report (TR) has been produced by ETSI 3rd Generation Partnership Project (3GPP).

The present document may refer to technical specifications or reports using their 3GPP identities, UMTS identities or GSM identities. These should be interpreted as being references to the corresponding ETSI deliverables.

The cross reference between GSM, UMTS, 3GPP and ETSI identities can be found under www.etsi.org/key.

Contents

Intellectual Property Rights	2
Foreword.....	2
Foreword.....	4
1 Scope	5
2 References	5
3 Abbreviations	5
4 General	5
5 Void.....	5
6 Void.....	5
Annex A: Void	6
Annex B (informative): Change Request History	7
History	8

Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

x the first digit:

- 1 presented to TSG for information;
- 2 presented to TSG for approval;
- 3 or greater indicates TSG approved document under change control.

y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.

z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

The present document clarifies recommended measures which may be adopted by the GSM infrastructure to enable interworking to be obtained between the GSM infrastructure and various Mobile Station (MS) implementations of the GSM Phase 1 and Phase 2/2+ standard. The objective is to obtain compatibility without changing the consolidated set of Phase 1 and Phase 2/2+ specifications. The present document describes the recommended changes to the infrastructure to cater for specific faults within some MSs.

The lifetime of the herein described measures together with their potential impact on optimal network performance is out of the scope of the present document.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 29.994 (Rel-5): Digital cellular telecommunications system; Recommended infrastructure measures to overcome specific Mobile Station (MS) faults.

3 Abbreviations

Void

4 General

The recommendations of the present document are provided in the latest major version of 3GPP TR 29.994 [1].

5 Void

6 Void

Annex A:
Void

Annex B (informative): Change Request History

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
09.94							
	SMG#15		001		Dircted retry by external handover	4.0.0	4.0.1
			002		Dircted retry handover for fax and data		
	SMG#16		003		Editorials on chapter 6	4.1.0	4.2.0
			004		Editorials on section 5.2.2		
	SMG#19		A005	3	Guidelines for the support of MSs affected by frequency hopping on CBCH	4.2.0	4.3.0
			A006	1	Scope of GSM 09.94		
	SMG#23		A007	1	Handling of new phase 2 BCCH and SACCH messages by phase 1 MS	4.3.0	4.4.0
	SMG#30		A008		Change of Title, Scope and References Clauses 1 to 5)	4.4.0	4.5.0
			A009		Frequency Hopping using ARFCN=0		
Jun 2002	CN#16	NP-020222	A010	2	QoS IE length	4.5.0	4.6.0

History

Document history		
V4.5.0	November 1999	Publication
V4.6.0	June 2002	Publication