



**GEO-Mobile Radio Interface Specifications (Release 3);  
Third Generation Satellite Packet Radio Service;  
Part 1: General specifications;  
Sub-part 2: Introduction to the GMR-1 family;  
GMR-1 3G 41.201**

---

Reference

RTS/SES-00328-1-2

---

Keywords3G, earth station, GMPRS, GMR, GSM, GSO,  
MES, mobile, MSS, radio, satellite***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, please send your comment to one of the following services:  
[http://portal.etsi.org/chaircor/ETSI\\_support.asp](http://portal.etsi.org/chaircor/ETSI_support.asp)

---

***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 2012.  
All rights reserved.

**DECT™, PLUGTESTS™, UMTS™** and the ETSI logo are Trade Marks of ETSI registered for the benefit of its Members.  
**3GPP™** and **LTE™** are Trade Marks of ETSI registered for the benefit of its Members and  
of the 3GPP Organizational Partners.

**GSM®** and the GSM logo are Trade Marks registered and owned by the GSM Association.

---

## Contents

Intellectual Property Rights .....	5
Foreword.....	5
Introduction .....	6
1    Scope .....	8
2    References .....	8
2.1    Normative references .....	8
2.2    Informative references.....	8
3    Definitions and abbreviations.....	18
3.1    Definitions .....	18
3.2    Abbreviations .....	19
4    GEO-Mobile Radio interface specifications (GMR-1) .....	19
4.1    Scope of the GMR-1 family of specifications .....	19
4.2    GMR-1 Release 1, Release 2 and Release 3.....	19
4.3    Organisation of the GMR-1 document series .....	19
4.4    Numbering of GMR-1 specifications .....	20
4.5    Contents of GMR-1 family of specifications.....	20
5    Terminology cross reference .....	21
<b>Annex A (informative):    Contents of Release 1 of the GMR-1 family .....</b>	<b>23</b>
A.1    Contents of the 01-series .....	23
A.2    Contents of the 02-series .....	23
A.3    Contents of the 03-series .....	24
A.4    Contents of the 04-series .....	25
A.5    Contents of the 05-series .....	26
A.6    Contents of the 06-series .....	26
A.7    Contents of the 07-series .....	26
<b>Annex B (informative):    Contents of Release 2 of the GMR-1 family (GMPRS-1).....</b>	<b>27</b>
B.1    Contents of the 01-series .....	27
B.2    Contents of the 02-series .....	27
B.3    Contents of the 03-series .....	27
B.4    Contents of the 04-series .....	28
B.5    Contents of the 05-series .....	28
B.6    Contents of the 07-series .....	28
B.7    Contents of the 08-series .....	28
B.8    Contents of the 09-series .....	29
<b>Annex C (informative):    Contents of Release 3 of the GMR-1 family (GMR-1 3G).....</b>	<b>30</b>
C.1    Contents of the 21-series and 41-series .....	30
C.2    Contents of the 22-series and 42-series .....	30
C.3    Contents of the 23-series and 43-series .....	31

C.4	Contents of the 24-series, 25-series and 44-series.....	32
C.5	Contents of the 45-series .....	33
C.6	Other relevant 3GPP specifications.....	33
C.6.1	3GPP 30-series specifications .....	33
<b>Annex D (informative):</b>	<b>All releases of the GMR-1 family .....</b>	<b>34</b>
History .....	.....	36