

Exhibit 1005.01

**Digital cellular telecommunications system (Phase 2+);
General Packet Radio Service (GPRS);
Service description;
Stage 1
(GSM 02.60 version 6.1.1 Release 1997)**



Reference

DEN/SMG-010260Q6 (ab0030co.PDF)

Keywords

Digital cellular telecommunications system,
Global System for Mobile communications (GSM)

ETSI

Postal address

F-06921 Sophia Antipolis Cedex - FRANCE

Office address

650 Route des Lucioles - Sophia Antipolis
Valbonne - 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

Internet

secretariat@etsi.fr
Individual copies of this ETSI deliverable
can be downloaded from
<http://www.etsi.org>

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 1998.
All rights reserved.

ETSI

Contents

Intellectual Property Rights.....	5
Foreword	5
1 Scope.....	6
2 Normative references	7
3 Definitions and abbreviations	8
3.1 Definitions	8
3.2 Abbreviations.....	13
4 Applicability.....	13
5 Description	14
5.1 GPRS reference model.....	14
5.1.1 Bearer services	15
5.1.2 Teleservices.....	15
5.1.3 GPRS Access Points.....	16
5.2 GPRS service description	16
5.2.1 Point-To-Point Connectionless Network Service (PTP-CLNS)	17
5.2.2 Point-To-Point Connection Orientated Network Service (PTP-CONS).....	17
5.3 Transfer Characteristics	17
5.4 Service characteristics.....	18
5.4.1 Subscriber profile	18
5.4.2 Quality of Service (QoS).....	18
5.4.2.1 QoS parameter definitions	19
5.4.2.1.1 Service precedence (priority).....	19
5.4.2.1.2 Reliability	19
5.4.2.1.3 Delay	19
5.4.2.1.4 Throughput	20
5.4.2.2 QoS profile	20
5.4.2.3 Monitor.....	20
5.4.3 Security services.....	21
5.4.4 Packet size.....	21
5.4.5 Capabilities of GPRS MS Classes.....	21
5.4.6 Subscriber roaming	22
5.4.7 Construction of GPRS subscriber numbers	22
5.4.8 Battery life extension.....	22
5.4.9 Format Of Message User Data	23
5.4.10 Charging aspects	23
5.4.10.1 PTP charging information.....	23
5.4.10.2 Reverse Charging.....	23
5.4.11 Message Screening.....	23
6 Normal procedures with successful outcome.....	23
6.1 Provision	23
6.2 Withdrawal	24
6.3 GPRS-Attach, GPRS-Detach	24
6.4 Registration.....	24
6.5 Erasure	25
6.6 Interrogation	25
6.7 Activation	25
6.8 De-activation.....	26
6.9 Invocation and operation	26
6.10 PIN and Password Management	26
7 Exceptional procedures	26
7.1 Provision.....	26
7.2 Withdrawal	26

ETSI

7.3	Registration.....	27
7.4	Erasure	27
7.5	Interrogation	27
7.6	Activation	27
7.7	De-activation.....	27
7.8	Invocation and operation	27
7.9	PIN and Password management.....	27
8	Addressing	27
10	Service interworking.....	28
11	Network interworking	28
11.1	Interworking with other data networks and other PLMNs	28
11.1.1	QoS when Interworking	29
11.2	GPRS Numbering Plan	29
11.3	Addressing and routeing requirements.....	29
11.4	Interworking for subscriber roaming.....	29
Annex A (informative): Change history		30
History.....		31

ETSI

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.