Technical Specification Group Core Network **Meeting #11, Palm Springs, USA, 14 – 16 March 2001**	*TSGN#11(01)0029*
Technical Specification Group Radio Access Network **Meeting #11, Palm Springs, USA, 13 – 16 March 2001**	*TSGR#11(01)0181*
Technical Specification Group Terminals **Meeting #11, Palm Springs, USA, 14 – 16 March 2001**	*TSGT#11(01)0054*
Technical Specification Group Services and System Aspects **Meeting #11, Palm Springs, USA, 19 – 22 March 2001**	*TSGS#11(01)0069*

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Title:	**3GPP TS 41.102:** **GSM Release 4 Specifications**
Document for:	**CN:** information **RAN:** information **T:** information **SA:** approval
Agenda Item:	**CN:** 11 **RAN:** 10 **T:** 7 **SA:** 10

Attached is the latest draft of this specification. Note that it does not yet include the specifications which are expected to be approved at the present meeting. These are listed in a separate contribution. It is envisaged that a version 2.1.0 of 41.102 will be produced including those, towards the end of the TSG-SA#11 meeting.

3GPP TR 41.102 V1.0.1 (2000-12)

Technical Specification

**3rd Generation Partnership Project;
Technical Specification Group Services and System Aspects;
GSM specification set
(Release 4)**

**GLOBAL SYSTEM FOR
MOBILE COMMUNICATIONS**

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Contents

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 identifies the GSM system specifications for GSM Release 4.

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]   GSM 01.04: "Abbreviations and acronyms ".

[2]   3GPP TR 21.900: "3GPP working methods".

3 Abbreviations

For the purposes of the present document, the terms and definitions given in GSM 01.04 apply.

Editor's note: It is envisaged that 01.04 will be replaced by 21.905 for Release 4.

4 General

GSM Release 4 consists of GSM-only specifications and common specifications developed for both GSM Release 4 and Release 1999 of the 3rd Generation mobile system.

The present document identifies the GSM system set of specifications required to implement GSM Release 4.

Specifications for GSM-only Release 4 can be identified by the "**ab.cde''** numbering scheme where "ab" is in the range 41 to 52.

Specifications for both GSM Release 4 and Release 4 of the 3rd Generation mobile system are identified by the "**ab.cde''** numbering scheme where "ab" is in the range 21 to 35.

A more detailed description of the specification numbering scheme is given in 3GPP TR 21.900.

5 (void)

6 Specifications and Reports

The first column shows the prior-Release specification number, if any, corresponding to the spec number given in the second column.

pro-genitor	Number	Title	WG prime	For pub-lication
	21.801	3GPP drafting rules	SP	Yes
	22.121	Provision of Services in UMTS - The Virtual Home Environment ; Stage 1	S1	Yes
	23.221	Architectural requirements	S2	Yes
	25.842	Smart antenna	R1	No
	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	G1	Yes
01.02	41.102	GSM Release 4 Specifications	SP	Yes
02.01	22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1	Yes
02.02	22.002	Circuit Bearer Services Supported by a PLMN	S1	Yes
02.03	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1	Yes
02.11	22.011	Service accessibility	S1	Yes
02.29	22.129	Handover Requirements between UMTS and GSM or other Radio Systems	S1	Yes
02.38	22.038	SIM application toolkit (SAT); Stage 1	S1	Yes
02.41	22.041	Operator Determined Call Barring	S1	Yes
02.57	22.057	Mobile Station Application Execution Environment (MExE); Stage 1	S1	Yes
02.60	22.060	General Packet Radio Service (GPRS); Stage 1	S1	Yes
02.67	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 1	S1	Yes
02.68	42.068	Voice Group Call Service (VGCS) ; Stage 1	S1	Yes
02.69	42.069	Voice Broadcast Service (VBS) ; Stage 1	S1	Yes
02.71	22.071	Location Services (LCS); Stage 1	S1	Yes
02.78	22.078	CAMEL; Stage 1	S1	Yes
03.02	23.002	Network Architecture	S2	Yes
03.10	43.010	GSM Public Land Mobile Network (PLMN) Connection Types	N3	Yes
03.18	23.018	Basic Call Handling - Technical realisation	N4	Yes
03.20	43.020	Security-related Network Functions	S3	Yes
03.22	43.022	Functions Related to Mobile Station (MS) in Idle Mode	G1	Yes
03.30	43.030	Radio Network Planning Aspects	GP	Yes
03.38	23.038	Alphabets & Language	T2	Yes
03.40	23.040	Technical realisation of Short Message Service	T2	Yes
03.40	23.140	Multimedia Messaging Service (MMS)	T2	Yes
03.57	23.057	Mobile Station Application Execution Environment (MExE)	T2	Yes
03.59	43.059	Location services (LCS) GERAN; Stage 2	GP	Yes
03.64	43.064	Overall description of the GPRS radio interface; Stage 2	G1	Yes
03.67	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) ; Stage 2	N4	Yes
03.68	43.068	Voice Group Call Service (VGCS); Stage 2	N1	Yes
03.69	43.069	Voice Broadcast service (VBS); Stage 2	N1	Yes
03.79	23.079	Support of Optimal Routeing - Phase 1 ; Stage 2	N4	Yes
03.83	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	N4	Yes
03.93	23.093	Call Completion to Busy Subscriber (CCBS) ; Stage 2	N4	Yes
04.08	24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1	Yes
04.18	44.018	Mobile Radio Interface - Layer 3 Specification RR part	G2	Yes
04.21	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3	Yes
04.60	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2	Yes
04.65	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1	Yes
04.68	44.068	Group Call Control (GCC) Protocol	N1	Yes
04.69	44.069	Broadcast Call Control (BCC) protocol	N1	Yes
05.01	45.001	Physical Layer on the Radio Path (General Description)	G1	Yes
05.02	45.002	Multiplexing and Multiple Access on the Radio Path	G1	Yes
05.03	45.003	Channel coding	G1	Yes
05.05	45.005	Radio transmission and reception	G1	Yes
05.08	45.008	Radio subsystem link control	G1	Yes
07.01	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3	Yes
07.02	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	N3	Yes

pro-genitor	Number	Title	WG prime	For pub-lication
07.03	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3	Yes
07.07	27.007	AT command set for 3G User Equipment (UE)	T2	Yes
08.08	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2	Yes
08.16	48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2	Yes
08.18	48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2	Yes
09.02	29.002	Mobile Application Part (MAP)	N4	Yes
09.07	29.007	General requirements on Interworking between the PLMN and the ISDN or PSTN	N3	Yes
10.99	50.099	GERAN project plan and open issues	GP	No
11.10-1	51.010-1	Conformance Specification	G4	Yes
11.10-2	51.010-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4	Yes
11.10-3	51.010-3	Layer3 (L3) Abstract Test Suite (ATS)	G4	Yes
11.10-4	51.010-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification	G4	Yes

Annex A (informative): Document change history

	Change history						
Date	**TSG #**	**TSG Doc.**	**CR**	**Rev**	**Subject/Comment**	**Old**	**New**
2000-10-17					Derived from 01.01 v8.0.0		0.0.0
2000-10-19					Minor editorials		0.0.1
2000-11-16					Addition of recently created specs		0.0.2
2000-12-08	CN#10 T#10 RAN #10	NP-000627 TP-000230 RP-000600			Presentation to TSGs		1.0.0
2000-12-08	SA#10	SP-000614			Change of spec number from 41.001		1.0.1
2001-03-07	SA#11				Update of specs list	1.0.1	2.0.0