3GPP TSG-SA   Meeting #13   *Tdoc SP-010592*

replaces SP-010587
replaces SP-010575
replaces SP-010568
replaces SP-010536
replaces SP-010420

Beijing, China, September 2001

CR-Form-v4

CHANGE REQUEST

| ⌘ | **41.102** CR **002** | ⌘ | ev | **5** | ⌘ | Current version: | **4.1.0** | ⌘ |

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: ⌘   (U)SIM **Y**   ME/UE **Y**   Radio Access Network **Y**   Core Network **Y**

Title: ⌘	Correction to list of specifications	
Source: ⌘	MCC (John M Meredith)	
Work item code: ⌘	TEI	***Date:*** ⌘ 2001-09-24
Category: ⌘ **F**		***Release:*** ⌘ Rel-4

Use one of the following categories:
F *(correction)*
A *(corresponds to a correction in an earlier release)*
B *(addition of feature),*
C *(functional modification of feature)*
D *(editorial modification)*
Detailed explanations of the above categories can
be found in 3GPP TR 21.900.

Use one of the following releases:
2   *(GSM Phase 2)*
R96   *(Release 1996)*
R97   *(Release 1997)*
R98   *(Release 1998)*
R99   *(Release 1999)*
REL-4 *(Release 4)*
REL-5 *(Release 5)*

Reason for change: ⌘	Specs have been stopped / created.
Summary of change: ⌘	Additions / deletions to table of specs for this release
Consequences if not approved: ⌘	FUD

Clauses affected: ⌘	4, 5

Other specs affected: ⌘	☐ Other core specifications ⌘	
	☐ Test specifications	
	☐ O&M Specifications	

Other comments: ⌘	The table of specs has been re-ordered to be sorted by Spec number rather than the notional index based upon the (possibly hypothetical) progenitor Spec. This makes it easier to find a given Spec, and more intuitive in use. However, the result is that the present CR simply deletes the entire table and replaces it with another. This makes it difficult to detect the additions and deletions. Therefore, the tables below summarize the changes:

Table A: Specs added |

22.048	Security mechanisms for the (Universal) Subscriber Interface Module (U)SIM Application Toolkit; Stage 1	T3	Yes

43.046	Technical Realization of Facsimile Group 3 Service - non transparent	N3	Yes
44.004	Layer 1 - General Requirements	G2	Yes
52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5	Yes

Table B: Specs removed

24.004	Layer 1 - General Requirements	G2	Yes
42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	T3	Yes
52.071	Location Services (LCS); Location services management	S5	Yes
32.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5	Yes

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

4 General

Specifications in the range 41.xxx to 53.xxx are 'pure' GSM specs - that is, those only required to build systems which are based on 3GPP specifications and which use a GSM/EDGE Radio Access Network (GERAN). Those Specifications in the range 21.xxx to 35.xxx are common to GSM and UMTS implementationsto systems which are based on 3GPP specifications, and which use either a GSM/EDGE radio access network or a UTRA Radio Access Network (UTRAN) (or both).

~~GSM Release 4 consists of GSM-only specifications and common specifications developed for both GSM Release 4 and Release 4 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 Specifications and Reports

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

Number	Title	WG prime	For publication
21.801	3GPP drafting rules	SP	No
22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1	Yes
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1	Yes
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1	Yes
22.004	General on Supplementary Services	S1	Yes
22.011	Service accessibility	S1	Yes
22.016	International Mobile Equipment Identities (IMEI)	S1	Yes
22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3	Yes
22.024	Description of Charge Advice Information (CAI)	S1	Yes
22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	S1	Yes
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	S1	Yes
22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1	Yes
22.041	Operator Determined Call Barring	S1	Yes
22.042	Network Identity and Time Zone (NITZ), stage 1	S1	Yes
22.048	Security mechanisms for the (Universal) Subscriber Interface Module (U)SIM Application Toolkit; Stage 1	T3	Yes
22.053	Tandem Free Operation (TFO); Service Description - Stage 1	S4	Yes
22.057	Mobile Execution Environment (MExE); Stage 1	S1	Yes
22.060	General Packet Radio Service (GPRS); Stage 1	S1	Yes
22.066	Support of Mobile Number Portability (MNP); Stage 1	S1	Yes
22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1	Yes
22.071	Location Services (LCS); Stage 1	S1	Yes
22.072	Call Deflection (CD); Stage 1	S1	Yes
22.076	Noise suppression for the AMR codec; Service description - Stage 1	S4	Yes
22.078	CAMEL; Stage 1	S1	Yes
22.079	Support of optimal routeing; Stage 1	S1	Yes
22.081	Line Identification supplementary services; Stage 1	S1	Yes
22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1	Yes
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	S1	Yes
22.084	MultiParty (MPTY) supplementary service; Stage 1	S1	Yes
22.085	Closed User Group (CUG) supplementary services; Stage 1	S1	Yes

22.086	Advice of Charge (AoC) supplementary services; Stage 1	S1	Yes
22.087	User-to-user signalling (UUS); Stage 1	S1	Yes
22.088	Call Barring (CB) supplementary services; Stage 1	S1	Yes
22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1	Yes
22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1	S1	Yes
22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1	S1	Yes
22.094	Follow Me service description - Stage 1	S1	Yes
22.096	Name identification supplementary services; Stage 1	S1	Yes
22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1	S1	Yes
22.115	Service Aspects Charging and billing	S1	Yes
22.121	Service aspects; The Virtual Home Environment; Stage 1	S1	Yes
22.129	Handover Requirements between UMTS and GSM or other Radio Systems	S1	Yes
23.002	Network Architecture	S2	Yes
23.003	Numbering, Addressing and Identification	N4	Yes
23.007	Restoration procedures	N4	Yes
23.008	Organisation of subscriber data	N4	Yes
23.009	Handover procedures	N1	Yes
23.011	Technical realization of Supplementary Services	N4	Yes
23.012	Location management procedures	N4	Yes
23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	N1	Yes
23.015	Technical realisation of Operator Determined Barring (ODB)	N4	Yes
23.016	Subscriber data management; Stage 2	N4	Yes
23.018	Basic Call Handling; Technical realization	N4	Yes
23.032	Universal Geographical Area Description (GAD)	S2	Yes
23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	N1	Yes
23.038	Alphabets & Language	T2	Yes
23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	T2	Yes
23.040	Technical realization of Short Message Service (SMS)	T2	Yes
23.041	Technical realization of Cell Broadcast Service (CBS)	T2	Yes
23.042	Compression algorithm for SMS	T2	Yes
23.048	Security Mechanisms for SIM Toolkit Application; Stage 2	T3	Yes
23.053	Tandem Free Operation (TFO); Service description; Stage 2	S4	Yes
23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	T2	Yes
23.060	General Packet Radio Service (GPRS) Service description; Stage 2	S2	Yes
23.066	Support of GSM Mobile Number Portability (MNP) stage 2	N4	Yes
23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	N4	Yes
23.072	Call Deflection Supplementary Service; Stage 2	N4	Yes
23.073	Support of Localised Service Area (SoLSA); Stage 2	N4	Yes
23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2	Yes
23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2	N4	Yes
23.081	Line Identification supplementary services; Stage 2	N4	Yes
23.082	Call Forwarding (CF) Supplementary Services; Stage 2	N4	Yes
23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	N4	Yes
23.084	MultiParty (MPTY) Supplementary Service; Stage 2	N4	Yes
23.085	Closed User Group (CUG) Supplementary Service; Stage 2	N4	Yes
23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	N4	Yes
23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	N4	Yes
23.088	Call Barring (CB) Supplementary Service; Stage 2	N4	Yes
23.090	Unstructured Supplementary Service Data (USSD); Stage 2	N4	Yes
23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	N4	Yes
23.093	Call Completion to Busy Subscriber (CCBS); Stage 2	N4	Yes
23.094	Follow Me Stage 2	N4	Yes
23.096	Name Identification Supplementary Service; Stage 2	N4	Yes
23.097	Multiple Subscriber Profile (MSP); Stage 2	N4	Yes
23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	N1	Yes
23.110	UMTS Access Stratum Services and Functions	S2	Yes
23.116	Super-Charger technical realization; Stage 2	N4	Yes
23.119	Gateway Location Register (GLR); Stage2	N4	Yes
23.140	Multimedia Messaging Service (MMS)	T2	Yes
23.221	Architectural requirements	S2	Yes
23.271	Functional stage 2 description of location services	S2	Yes

23.908	Technical report on Pre-Paging	N4	Yes
23.909	Technical report on the Gateway Location Register	N4	Yes
23.911	Technical report on Out-of-band transcoder control	N4	Yes
23.912	Technical report on Super-Charger	N4	Yes
23.925	UMTS Core network based ATM transport	S2	Yes
24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1	Yes
24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1	Yes
24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3	N1	Yes
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4	Yes
24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1	Yes
24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3	Yes
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	N4	Yes
24.072	Call Deflection Supplementary Service; Stage 3	N4	Yes
24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	N4	Yes
24.081	Line Identification Supplementary Service; Stage 3	N4	Yes
24.082	Call Forwarding Supplementary Service; Stage 3	N4	Yes
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	N4	Yes
24.084	MultiParty (MPTY) Supplementary Service; Stage 3	N4	Yes
24.085	Closed User Group (CUG) Supplementary Service; Stage 3	N4	Yes
24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	N4	Yes
24.087	User-to-User Signalling (UUS); Stage 3	N4	Yes
24.088	Call Barring (CB) Supplementary Service; Stage 3	N4	Yes
24.090	Unstructured Supplementary Service Data (USSD); Stage 3	N4	Yes
24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	N4	Yes
24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	N4	Yes
24.096	Name Identification Supplementary Service; Stage 3	N4	Yes
26.978	Results of the AMR noise suppression selection phase	S4	Yes
27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3	Yes
27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	N3	Yes
27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3	Yes
27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2	Yes
27.007	AT command set for 3G User Equipment (UE)	T2	Yes
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	T2	Yes
27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3	Yes
27.103	Wide Area Network Synchronization	T2	Yes
28.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	S4	Yes
29.002	Mobile Application Part (MAP) specification	N4	Yes
29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3	Yes
29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4	Yes
29.011	Signalling Interworking for Supplementary Services	N4	Yes
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4	Yes
29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1	Yes
29.018	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	N1	Yes
29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4	Yes
29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)	N3	Yes
29.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification	N2	Yes
31.111	USIM Application Toolkit (USAT)	T3	Yes
32.311	Telecommunication management; Generic IRP management; Requirements	S5	Yes
32.401	Telecommunication management; Performance Management (PM); Concept and	S5	Yes

	requirements		
32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5	Yes
32.600	Telecommunication Management; Configuration Management; 3G configuration management; Concept and main requirements	S5	Yes
32.601	Telecommunication Management; Configuration Management; Basic CM IRP: requirements	S5	Yes
32.602	Telecommunication Management; Configuration Management; Basic configuration management IRP information model	S5	Yes
32.603	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5	Yes
32.621	Telecommunication Management; Configuration Management; Generic network resources IRP: requirements	S5	Yes
32.622	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	S5	Yes
32.623	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5	Yes
32.624	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5	Yes
32.632	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	S5	Yes
32.633	Telecommunication Management; Configuration Management; Core network resources IRP: CORBA solution set	S5	Yes
32.634	Telecommunication Management; Configuration Management; Core network resources IRP: CMIP solution set	S5	Yes
32.651	Telecommunication Management; Configuration Management; GERAN network resources IRP: requirements	S5	Yes
32.652	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5	Yes
32.653	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set	S5	Yes
32.654	Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set	S5	Yes
41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	S3	Yes
41.033	Lawful Interception requirements for GSM	S3	Yes
41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3	Yes
41.102	GSM Release 4 specifications	SP	Yes
42.009	Security Aspects	S3	Yes
42.017	Subscriber Identity Modules, Functional Characteristics	T3	Yes
42.019	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	T3	Yes
42.031	Fraud Information Gathering System (FIGS) Service description; Stage 1	S3	Yes
42.032	Immediate Service Termination (IST); Service description; Stage 1	S3	Yes
42.033	Lawful Interception; Stage 1	S3	Yes
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	S1	Yes
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1	Yes
42.068	Voice Group Call Service (VGCS); Stage 1	S1	Yes
42.069	Voice Broadcast Service (VBS); Stage 1	S1	Yes
43.005	Technical performance objectives	NP	Yes
43.010	GSM Public Land Mobile Network (PLMN) Connection Types	N3	Yes
43.013	Discontinuous Reception (DRX) in the GSM System	G1	Yes
43.019	GSM Application Programming Interface (API) for Subscriber Interface Module (SIM) toolkit stage 2	T3	Yes
43.020	Security-related Network Functions	S3	Yes
43.022	Functions Related to Mobile Station (MS) in Idle Mode	G1	Yes
43.026	Multiband operation of GSM/DCS 1800 by a single operator	G1	Yes
43.030	Radio Network Planning Aspects	G1	Yes
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3	Yes
43.033	Lawful Interception; Stage 2	S3	Yes
43.035	Immediate Service Termination (IST); Stage 2	S3	Yes
43.045	Technical Realization of Facsimile Group 3 Service - transparent	N3	Yes
43.046	Technical Realization of Facsimile Group 3 Service - non transparent	N3	Yes
43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4	Yes
43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	G1	Yes

43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	G1	Yes
43.055	Dual Transfer Mode (DTM); Stage 2	G1	Yes
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4	Yes
43.059	Functional stage 2 description of Location Services in GERAN	GP	Yes
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	N1	Yes
43.064	Overall description of the GPRS radio interface; Stage 2	G1	Yes
43.068	Voice Group Call Service (VGCS); Stage 2	N1	Yes
43.069	Voice Broadcast service (VBS); Stage 2	N1	Yes
44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1	Yes
44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2	Yes
44.004	Layer 1 - General Requirements	G2	Yes
44.005	Data Link (DL) Layer General Aspects	G2	Yes
44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	G2	Yes
44.008	Mobile radio interface layer 3 specification	N1	Yes
44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2	Yes
44.013	Performance Requirements on Mobile Radio Interface	N1	Yes
44.014	Individual equipment type requirements and interworking; Special conformance testing functions	G2	Yes
44.018	Mobile Radio Interface - Layer 3 Specification RR part	G2	Yes
44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3	Yes
44.031	Location Services LCS RR LCS Protocol	G2	Yes
44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	G2	Yes
44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1	Yes
44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1	Yes
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
44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	N1	Yes
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1	Yes
44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1	Yes
44.068	Group Call Control (GCC) Protocol	N1	Yes
44.069	Broadcast Call Control (BCC) protocol	N1	Yes
44.071	Location services (LCS) stage 3	G2	Yes
45.001	Physical Layer on the Radio Path (General Description)	G1	Yes
45.002	Multiplexing and Multiple Access on the Radio Path	G1	Yes
45.003	Channel coding	G1	Yes
45.005	Radio transmission and reception	G1	Yes
45.008	Radio subsystem link control	G1	Yes
45.009	Link adaptation	G1	Yes
45.010	Radio subsystem synchronization	G1	Yes
45.022	Radio link management in hierarchical networks	G1	Yes
45.050	Background for RF Requirements	G1	Yes
45.056	CTS-FP Radio Sub-system	G1	Yes
46.001	Full Rate Speech Processing Functions	S4	Yes
46.002	Half Rate Speech Processing Functions	S4	Yes
46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	S4	Yes
46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4	Yes
46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4	Yes
46.010	Full-rate speech transcoding	S4	Yes
46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4	Yes
46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4	Yes
46.020	Half Rate Speech Transcoding	S4	Yes
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4	Yes
46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4	Yes
46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4	Yes

46.032	Voice Activity Detection (VAD)	S4	Yes
46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4	Yes
46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4	Yes
46.051	GSM Enhanced full rate speech processing functions: General description	S4	Yes
46.053	ANSI-C code for the GSM Enhanced full rate speech codec	S4	Yes
46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	S4	Yes
46.055	Performance characterisation of the GSM EFR Speech Codec	S4	Yes
46.060	Enhanced full rate speech transcoding	S4	Yes
46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	S4	Yes
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4	Yes
46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4	Yes
46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	S4	Yes
46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	S4	Yes
46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	S4	Yes
48.001	General Aspects on the BSS-MSC Interface	G2	Yes
48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2	Yes
48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2	Yes
48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2	Yes
48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2	Yes
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	G2	Yes
48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2	Yes
48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2	Yes
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3	Yes
48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2	Yes
48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	G2	Yes
48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	G2	Yes
48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	G2	Yes
48.056	BSC-BTS Layer 2 Specification	G2	Yes
48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2	Yes
48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	G2	Yes
48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	G2	Yes
48.071	Location services (LCS) SMLC-BSS interface L 3	G2	Yes
49.001	General Network Interworking Scenarios	N4	Yes
49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1	Yes
49.031	Location Services LCS Extension (BSSAP-LE)	G2	Yes
50.059	Project scheduling and open issues for EDGE	G1	No
50.099	GERAN project plan and open issues	GP	No
51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G4	Yes
51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G4	Yes
51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G4	Yes
51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	G4	Yes
51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3	Yes
51.013	Test specification for SIM API for Java card	T3	Yes
51.021	GSM radio aspects base station system equipment specification	G3	Yes
51.026	GSM Repeater Equipment Specification	G3	Yes
52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5	Yes

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	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
-	23.271	Functional stage 2 description of location services	S2	Yes
	23.908	Technical report on Pre-Paging	N4	Yes
	23.909	Technical report on the Gateway Location Register	N4	Yes
	23.911	Technical report on Out-of-band transcoder control	N4	Yes
	23.912	Technical report on Super-Charger	N4	Yes
	23.925	UMTS Core network based ATM transport	S2	Yes
	41.102	GSM Release 4 Specifications	SP	Yes
-	26.978	Results of the AMR noise suppression selection phase	S4	Yes
-	32.311	Telecommunication management; Generic IRP management; Requirements	S5	Yes
-	32.401	Telecommunication management; Performance Management (PM); Concept and requirements	S5	Yes
-	32.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5	Yes
-	32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM	S5	Yes
-	32.600	Telecommunication Management; Configuration Management; 3G configuration management; Concept and main requirements	S5	Yes
-	32.601	Telecommunication Management; Configuration Management; Basic CM IRP: requirements	S5	Yes
-	32.602	Telecommunication Management; Configuration Management; Basic configuration management IRP information model	S5	Yes
-	32.603	Telecommunication Management; Configuration Management; Basic configuration management IRP: CORBA solution set	S5	Yes
-	32.621	Telecommunication Management; Configuration Management; Generic network resources IRP: requirements	S5	Yes
-	32.622	Telecommunication Management; Configuration Management; Generic network resources IRP: NRM	S5	Yes
-	32.623	Telecommunication Management; Configuration Management; Generic network resources IRP: CORBA solution set	S5	Yes
-	32.624	Telecommunication Management; Configuration Management; Generic network resources: IRP CMIP solution set	S5	Yes
-	32.632	Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM	S5	Yes
-	32.633	Telecommunication Management; Configuration Management; Core network resources IRP: CORBA solution set	S5	Yes
-	32.634	Telecommunication Management; Configuration Management; Core network resources IRP: CMIP solution set	S5	Yes
-	32.651	Telecommunication Management; Configuration Management; GERAN network resources IRP: requirements	S5	Yes
-	32.652	Telecommunication Management; Configuration Management; GERAN network resources IRP: NRM	S5	Yes
-	32.653	Telecommunication Management; Configuration Management; GERAN network resources IRP: CORBA solution set	S5	Yes
-	32.654	Telecommunication Management; Configuration Management; GERAN network resources IRP: CMIP solution set	S5	Yes
01.31	41.031	Fraud Information Gathering System (FIGS); Service requirements ; Stage 0	S3	Yes
01.33	41.033	Lawful Interception requirements for GSM	S3	Yes
01.61	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3	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
02.04	22.004	General on Supplementary Services	S1	Yes

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02.09	42.009	Security Aspects	S3	Yes
02.11	22.011	Service accessibility	S1	Yes
02.15	22.115	Service Aspects Charging and billing	S1	Yes
02.16	22.016	International Mobile Equipment Identities (IMEI)	S1	Yes
02.17	42.017	Subscriber Identity Modules, Functional Characteristics	T3	Yes
02.19	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	T3	Yes
02.22	22.022	Personalisation of GSM ME Mobile functionality specification ; Stage 1	S3	Yes
02.24	22.024	Description of Charge Advice Information (CAI)	S1	Yes
02.29	22.129	Handover Requirements between UMTS and GSM or other Radio Systems	S1	Yes
02.30	22.030	Man-Machine Interface (MMI) of the Mobile Station (MS)	S1	Yes
02.31	42.031	Fraud Information Gathering System (FIGS) Service description ; Stage 1	S3	Yes
02.32	42.032	Immediate Service Termination (IST); Service description ; Stage 1	S3	Yes
02.33	42.033	Lawful Interception ; Stage 1	S3	Yes
02.34	22.034	High Speed Circuit Switched Data (HSCSD) ; Stage 1	S1	Yes
02.38	22.038	SIM application toolkit (SAT); Stage 1	S1	Yes
02.41	22.041	Operator Determined Call Barring	S1	Yes
02.42	22.042	Network Identity and Time Zone (NITZ), stage 1	S1	Yes
02.43	42.043	Support of Localised Service Area (SoLSA) ; Stage 1	S1	Yes
02.48	42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	T3	Yes
02.53	22.053	Tandem Free Operation (TFO); Service Description - Stage 1	S4	Yes
02.56	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	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
02.66	22.066	Support of Mobile Number Portability (MNP); 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
02.72	22.072	Call Deflection (CD); Stage 1	S1	Yes
02.76	22.076	Noise Suppression for the AMR	S4	Yes
02.78	22.078	CAMEL; Stage 1	S1	Yes
02.79	22.079	Support of Optimal Routing; Stage 1	S1	Yes
02.81	22.081	Line Identification Supplementary Services; Stage 1	S1	Yes
02.82	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1	Yes
02.83	22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	S1	Yes
02.84	22.084	MultiParty (MPTY) Supplementary Service; Stage 1	S1	Yes
02.85	22.085	Closed User Group (CUG) Supplementary Services; Stage 1	S1	Yes
02.86	22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	S1	Yes
02.87	22.087	User-to-user signalling (UUS); Stage 1	S1	Yes
02.88	22.088	Call Barring (CB) Supplementary Services; Stage 1	S1	Yes
02.90	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1	Yes
02.91	22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	S1	Yes
02.93	22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	S1	Yes
02.94	22.094	Follow Me Stage 1	S1	Yes
02.96	22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	S1	Yes
02.97	22.097	Multiple Subscriber Profile (MSP); Stage 1	S1	Yes
03.02	23.002	Network Architecture	S2	Yes
03.03	23.003	Numbering, Addressing and Identification	N4	Yes
03.05	43.005	Technical performance objectives	NP	Yes
03.07	23.007	Restoration procedures	N4	Yes
03.08	23.008	Organisation of subscriber data	N4	Yes

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03.08	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols - stage 2 (structured procedures)	N1	Yes
03.09	23.009	Handover procedures	N1	Yes
03.10	23.110	UMTS Access Stratum Services and Functions	S2	Yes
03.10	43.010	GSM Public Land Mobile Network (PLMN) Connection Types	N3	Yes
03.11	23.011	Technical Realization of Supplementary Services - General Aspects	N4	Yes
03.12	23.012	Location management procedures	N4	Yes
03.13	43.013	Discontinuous Reception (DRX) in the GSM System	GP	Yes
03.14	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	N1	Yes
03.15	23.015	Technical realisation of Operator Determined Barring (ODB)	N4	Yes
03.16	23.016	Subscriber data management ; Stage 2	N4	Yes
03.16	23.116	Super Charger ; Stage 2	N4	Yes
03.18	23.018	Basic Call Handling - Technical realisation	N4	Yes
03.19	23.119	Gateway Location Register (GLR) ; Stage2	N4	Yes
03.19	43.019	GSM API for SIM toolkit stage 2	T3	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
03.26	43.026	Multiband operation of GSM/DCS 1800 by a single operator	GP	Yes
03.30	43.030	Radio Network Planning Aspects	GP	Yes
03.31	43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3	Yes
03.32	23.032	Universal Geographical Area Description (GAD)	S2	Yes
03.33	43.033	Lawful Interception ; Stage 2	S3	Yes
03.34	23.034	High Speed Circuit Switched Data (HSCSD) ; Stage 2	N1	Yes
03.35	43.035	Immediate Service Termination (IST); Stage 2	S3	Yes
03.38	23.038	Alphabets & Language	T2	Yes
03.39	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	T2	Yes
03.40	23.040	Technical realisation of Short Message Service	T2	Yes
03.40	23.140	Multimedia Messaging Service (MMS)	T2	Yes
03.41	23.041	Technical Realization of Cell Broadcast Service	T2	Yes
03.42	23.042	Compression algorithm for SMS	T2	Yes
03.45	43.045	Technical Realization of Facsimile Group 3 Service - transparent	N3	Yes
03.48	23.048	Security Mechanisms for SIM Toolkit Application ; Stage 2	T3	Yes
03.50	43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4	Yes
03.51	43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	G1	Yes
03.52	43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface ; Stage 2	GP	Yes
03.53	23.053	Tandem Free Operation (TFO); Service description; Stage 2	S4	Yes
03.55	43.055	Dual Transfer Mode (DTM); Stage 2	G1	Yes
03.57	23.057	Mobile Station Application Execution Environment (MExE)	T2	Yes
03.58	43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4	Yes
03.59	43.059	Location services (LCS) GERAN; Stage 2	GP	Yes
03.60	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	S2	Yes
03.63	43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	N1	Yes
03.64	43.064	Overall description of the GPRS radio interface; Stage 2	G1	Yes
03.66	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	N4	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
03.72	23.072	Call Deflection Supplementary Service ; Stage 2	N4	Yes
03.73	23.073	Support of Localised Service Area (SoLSA) ; Stage 2	N4	Yes
03.78	23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL)	N2	Yes

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		Phase 3 - Stage 2		
03.79	23.079	Support of Optimal Routeing - Phase 1 ; Stage 2	N4	Yes
03.81	23.081	Line Identification Supplementary Services ; Stage 2	N4	Yes
03.82	23.082	Call Forwarding (CF) Supplementary Services ; Stage 2	N4	Yes
03.83	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 2	N4	Yes
03.84	23.084	MultiParty (MPTY) Supplementary Service ; Stage 2	N4	Yes
03.85	23.085	Closed User Group (CUG) Supplementary Service ; Stage 2	N4	Yes
03.86	23.086	Advice of Charge (AoC) Supplementary Service ; Stage 2	N4	Yes
03.87	23.087	User-to-User Signalling (UUS) ; Stage 2	N4	Yes
03.88	23.088	Call Barring (CB) Supplementary Service ; Stage 2	N4	Yes
03.90	23.090	Unstructured Supplementary Service Data (USSD) ; Stage 2	N4	Yes
03.91	23.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 2	N4	Yes
03.93	23.093	Call Completion to Busy Subscriber (CCBS) ; Stage 2	N4	Yes
03.94	23.094	Follow Me Stage 2	N4	Yes
03.96	23.096	Name Identification Supplementary Service ; Stage 2	N4	Yes
03.97	23.097	Multiple Subscriber Profile (MSP); Stage 2	N4	Yes
04.01	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1	Yes
04.02	24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1	Yes
04.03	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2	Yes
04.04	24.004	Layer 1 - General Requirements	G2	Yes
04.05	44.005	Data Link (DL) Layer General Aspects	G2	Yes
04.06	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	G2	Yes
04.07	24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1	Yes
04.08	24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols ; Stage 3	N1	Yes
04.08	44.008	Mobile radio interface layer 3 specification	N1	Yes
04.10	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4	Yes
04.11	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1	Yes
04.12	44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2	Yes
04.13	44.013	Performance Requirements on Mobile Radio Interface	N1	Yes
04.14	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	G2	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
04.22	24.022	Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface	N3	Yes
04.31	44.031	Location Services LCS RR LCS Protocol	G2	Yes
04.35	44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	G2	Yes
04.56	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1	Yes
04.57	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1	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
04.63	44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	N1	Yes
04.64	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1	Yes
04.65	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork	N1	Yes

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		Dependent Convergence Protocol (SNDCP)		
04.67	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 3	N4	Yes
04.68	44.068	Group Call Control (GCC) Protocol	N1	Yes
04.69	44.069	Broadcast Call Control (BCC) protocol	N1	Yes
04.71	44.071	Location services (LCS) stage 3	G2	Yes
04.72	24.072	Call Deflection Supplementary Service ; Stage 3	N4	Yes
04.80	24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	N4	Yes
04.81	24.081	Line Identification Supplementary Service ; Stage 3	N4	Yes
04.82	24.082	Call Forwarding Supplementary Service ; Stage 3	N4	Yes
04.83	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 3	N4	Yes
04.84	24.084	MultiParty (MPTY) Supplementary Service ; Stage 3	N4	Yes
04.85	24.085	Closed User Group (CUG) Supplementary Service ; Stage 3	N4	Yes
04.86	24.086	Advice of Charge (AoC) Supplementary Service ; Stage 3	N4	Yes
04.87	24.087	User-to-User Signalling (UUS) ; Stage 3	N4	Yes
04.88	24.088	Call Barring (CB) Supplementary Service ; Stage 3	N4	Yes
04.90	24.090	Unstructured Supplementary Service Data (USSD) ; Stage 3	N4	Yes
04.91	24.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 3	N4	Yes
04.93	24.093	Call Completion to Busy Subscriber (CCBS) ; Stage 3	N4	Yes
04.96	24.096	Name Identification Supplementary Service ; Stage 3	N4	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
05.09	45.009	Link adaptation	G1	Yes
05.10	45.010	Radio subsystem synchronization	G1	Yes
05.22	45.022	Radio link management in hierarchical networks	GP	Yes
05.50	45.050	Background for RF Requirements	GP	Yes
05.56	45.056	CTS-FP Radio Sub-system	GP	Yes
06.01	46.001	Full Rate Speech Processing Functions	S4	Yes
06.02	46.002	Half Rate Speech Processing Functions	S4	Yes
06.06	46.006	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	S4	Yes
06.07	46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4	Yes
06.08	46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4	Yes
06.10	46.010	Full Rate Speech Transcoding	S4	Yes
06.11	46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4	Yes
06.12	46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4	Yes
06.20	46.020	Half Rate Speech Transcoding	S4	Yes
06.21	46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4	Yes
06.22	46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4	Yes
06.31	46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4	Yes
06.32	46.032	Voice Activity Detection (VAD)	S4	Yes
06.41	46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4	Yes
06.42	46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4	Yes
06.51	46.051	GSM Enhanced full rate speech processing functions: General description	S4	Yes
06.53	46.053	ANSI-C code for the GSM Enhanced full rate speech codec	S4	Yes
06.54	46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	S4	Yes
06.55	46.055	Performance characterisation of the GSM EFR Speech Codec	S4	Yes
06.60	46.060	Enhanced full rate speech transcoding	S4	Yes
06.61	46.061	Substitution and muting of lost frames for encanced full rate speech traffic	S4	Yes

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		channels		
06.62	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4	Yes
06.76	46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4	Yes
06.81	46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	S4	Yes
06.82	46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	S4	Yes
06.85	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	S4	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
07.03	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3	Yes
07.03	27.103	Wide Area Network Synchronisation	T2	Yes
07.05	27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2	Yes
07.07	27.007	AT command set for 3G User Equipment (UE)	T2	Yes
07.10	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	T2	Yes
07.60	27.060	GPRS Mobile Stations supporting GPRS	N3	Yes
08.01	48.001	General Aspects on the BSS-MSC Interface	G2	Yes
08.02	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2	Yes
08.04	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2	Yes
08.06	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2	Yes
08.08	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2	Yes
08.14	48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	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
08.20	48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3	Yes
08.31	48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2	Yes
08.51	48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	G2	Yes
08.52	48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	G2	Yes
08.54	48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	G2	Yes
08.56	48.056	BSC-BTS Layer 2 Specification	G2	Yes
08.58	48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2	Yes
08.60	48.060	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	GP	Yes
08.61	48.061	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	GP	Yes
08.62	28.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	S4	Yes
08.71	48.071	Location services (LCS) SMLC-BSS interface L 3	G2	Yes
09.01	49.001	General Network Interworking Scenarios	N4	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
09.08	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1	Yes

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09.10	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4	Yes
09.11	29.011	Signalling Interworking for Supplementary Services	N4	Yes
09.13	29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4	Yes
09.16	29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1	Yes
09.18	29.018	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	N1	Yes
09.31	49.031	Location Services LCS Extension (BSSAP-LE)	G2	Yes
09.60	29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4	Yes
09.61	29.061	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	N3	Yes
09.78	29.078	CAMEL; Stage 3	N2	Yes
10.59	50.059	Project scheduling and open issues for EDGE	GP	No
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
11.11	31.111	USIM Application Toolkit (USAT)	T3	Yes
11.11	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3	Yes
11.13	51.013	Test specification for SIM API for Java card	T3	Yes
11.21	51.021	GSM Radio Aspects Base Station System Equipment Specification	G3	Yes
11.26	51.026	GSM Repeater Equipment Specification	G3	Yes
12.71	52.071	Location Services (LCS); Location services management	S5	Yes