Technical Specification Group Core Network *TSGN#11(01)0096*
Meeting #11, Palm Springs, USA, 14 – 16 March 2001

Technical Specification Group Radio Access Network *TSGR#11(01)0184*
Meeting #11, Palm Springs, USA, 13 – 16 March 2001

Technical Specification Group Terminals *TSGT#11(01)0058*
Meeting #11, Palm Springs, USA, 14 – 16 March 2001

Technical Specification Group Services and System Aspects *TSGS#11(01)0073*
Meeting #11, Palm Springs, USA, 19 – 22 March 2001

Source:	**MCC** mailto:john.meredith@etsi.fr
Title:	**Release 4 specs expected to be created in March 2001**
Document for:	**CN: information** **RAN: information** **T: information** **SA: information**
Agenda Item:	**CN: 11** **RAN: 6.12** **T: 7** **SA: 10**

The following tables list the specifications which MCC anticipates will be created as a result of freezing Release 4 at the TSG#11 meetings. It includes those specs for which TSG GERAN is responsible; it is anticipated that these will be created by GERAN at its meeting in April 2001.

The list is presented:

sorted by spec number

and

sorted by working group

The list has been created using the following criteria:

- The assumption that every active Release 1999 TS and TR with numbers in the range 21.-series to 35.-series will be upgraded to Release-4.
- The assumption that every active Release 1999 TS and TR with numbers in the range 01.-series to 12.-series will be upgraded to a Release-4 equivalent in the range 41.-series to 52.-series, except where the WG has expressed a wish that the upgrade be in the 21.-series to 32.-series range (i.e. the Release-4 version is to be a common GSM & UMTS spec.
- Deviations from the above assumptions based on explicit information provided by WG Secretaries resulting from discussions in WGs.

The TSGs are invited to examine the lists and to feed any errors back to the Specification Manager.

1 Sorted by spec number

Spec	title	WG
21.111	USIM and IC card requirements	T3
21.133	Security Threats and Requirements	S3
21.900	3GPP working methods	SP
22.004	General on Supplementary Services	S1
22.022	Personalisation of GSM ME Mobile functionality specification ; Stage 1	S3
22.024	Description of Charge Advice Information (CAI)	S1
22.030	Man-Machine Interface (MMI) of the Mobile Station (MS)	S1
22.034	High Speed Circuit Switched Data (HSCSD) ; Stage 1	S1
22.042	Network Identity and Time Zone (NITZ), stage 1	S1
22.043	Support of Localised Service Area (SoLSA) ; Stage 1	S1
22.066	Support of Mobile Number Portability (MNP); Stage 1	S1
22.072	Call Deflection (CD); Stage 1	S1
22.076	Noise Suppression for the AMR	S4
22.079	Support of Optimal Routing; Stage 1	S1
22.081	Line Identification Supplementary Services; Stage 1	S1
22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1
22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	S1
22.084	MultiParty (MPTY) Supplementary Service; Stage 1	S1
22.085	Closed User Group (CUG) Supplementary Services; Stage 1	S1
22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	S1
22.087	User-to-user signalling (UUS); Stage 1	S1
22.088	Call Barring (CB) Supplementary Services; Stage 1	S1
22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1
22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	S1
22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	S1
22.094	Follow Me Stage 1	S1
22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	S1
22.097	Multiple Subscriber Profile (MSP); Stage 1	S1
22.115	Service Aspects Charging and billing	S1
22.135	Multicall Stage 1	S1
23.003	Numbering, Addressing and Identification	N4
23.007	Restoration procedures	N4
23.008	Organisation of subscriber data	N4
23.009	Handover procedures	N1
23.011	Technical Realization of Supplementary Services - General Aspects	N4
23.012	Location management procedures	N4
23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	N1
23.015	Technical realisation of Operator Determined Barring (ODB)	N4
23.016	Subscriber data management ; Stage 2	N4
23.032	Universal Geographical Area Description (GAD)	S2
23.034	High Speed Circuit Switched Data (HSCSD) ; Stage 2	N1
23.041	Technical Realization of Cell Broadcast Service	T2
23.042	Compression algorithm for SMS	T2
23.060	General Packet Radio Service (GPRS) Service description; Stage 2	S2
23.066	Support of GSM Mobile Number Portability (MNP) stage 2	N4
23.072	Call Deflection Supplementary Service ; Stage 2	N4
23.073	Support of Localised Service Area (SoLSA) ; Stage 2	N4
23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
23.081	Line Identification Supplementary Services ; Stage 2	N4
23.082	Call Forwarding (CF) Supplementary Services ; Stage 2	N4
23.084	MultiParty (MPTY) Supplementary Service ; Stage 2	N4

Spec	title	WG
23.085	Closed User Group (CUG) Supplementary Service ; Stage 2	N4
23.086	Advice of Charge (AoC) Supplementary Service ; Stage 2	N4
23.087	User-to-User Signalling (UUS) ; Stage 2	N4
23.088	Call Barring (CB) Supplementary Service ; Stage 2	N4
23.090	Unstructured Supplementary Service Data (USSD) ; Stage 2	N4
23.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 2	N4
23.094	Follow Me Stage 2	N4
23.096	Name Identification Supplementary Service ; Stage 2	N4
23.097	Multiple Subscriber Profile (MSP); Stage 2	N4
23.101	General UMTS Architecture	S2
23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	N1
23.110	UMTS Access Stratum Services and Functions	S2
23.116	Super Charger ; Stage 2	N4
23.119	Gateway Location Register (GLR) ; Stage2	N4
23.121	Architecture Requirements for release 99	S2
23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
23.171	Functional stage 2 description of location services in UMTS	S2
23.814	Separating RR and MM specific parts of the MS Classmark	N1
23.908	Technical report on Pre-Paging	N4
23.909	Technical report on the Gateway Location Register	N4
23.911	Technical report on Out-of-band transcoder control	N4
23.912	Technical report on Super-Charger	N4
23.922	Architecture for an All IP network	S2
23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	S2
23.925	UMTS Core network based ATM transport	S2
23.930	Iu Principles	S2
23.972	Circuit Switched Multimedia Telephony	N1
24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1
24.004	Layer 1 - General Requirements	G2
24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2
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
24.030	Location Services LCS Stage 3 SS (MO-LR)	N4
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 3	N4
24.072	Call Deflection Supplementary Service ; Stage 3	N4
24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	N4
24.081	Line Identification Supplementary Service ; Stage 3	N4
24.082	Call Forwarding Supplementary Service ; Stage 3	N4
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 3	N4
24.084	MultiParty (MPTY) Supplementary Service ; Stage 3	N4
24.085	Closed User Group (CUG) Supplementary Service ; Stage 3	N4
24.086	Advice of Charge (AoC) Supplementary Service ; Stage 3	N4
24.087	User-to-User Signalling (UUS) ; Stage 3	N4
24.088	Call Barring (CB) Supplementary Service ; Stage 3	N4
24.090	Unstructured Supplementary Service Data (USSD) ; Stage 3	N4
24.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 3	N4
24.093	Call Completion to Busy Subscriber (CCBS) ; Stage 3	N4
24.096	Name Identification Supplementary Service ; Stage 3	N4
24.135	Multicall Stage 3	N4
25.101	UE Radio transmission and reception (FDD)	R4
25.102	UE Radio transmission and reception (TDD)	R4
25.104	UTRA (BS) FDD; Radio transmission and reception	R4
25.105	UTRA (BS) TDD: Radio transmission and reception	R4
25.113	Base station EMC	R4

Spec	title	WG
25.123	Requirements for support of radio resource management (TDD)	R4
25.133	Requirements for support of radio resource management (FDD)	R4
25.141	Base station conformance testing (FDD)	R4
25.142	Base station conformance testing (TDD)	R4
25.201	Physical layer -General Description	R1
25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
25.212	Multiplexing and channel coding (FDD)	R1
25.213	Spreading and modulation (FDD)	R1
25.214	Physical layer procedures (FDD)	R1
25.215	Physical layer; Measurements (FDD)	R1
25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
25.222	Multiplexing and channel coding (TDD)	R1
25.223	Spreading and modulation (TDD)	R1
25.224	Pphysical layer procedures (TDD)	R1
25.225	Physical layer; Measurements (TDD)	R1
25.301	Radio Interface Protocol Architecture	R2
25.302	Services provided by the physical layer	R2
25.303	UE functions and inter-layer procedures in connected mode	R2
25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
25.305	Stage 2 functional specification of UE positioning in UTRAN	R2
25.306	UE Radio Access capabilities definition	R2
25.321	Medium Access Control (MAC) Protocol Specification	R2
25.322	Radio Link Control (RLC) Protocol Specification	R2
25.323	Packet Data Convergence Protocol (PDCP) protocol	R2
25.324	Broadcast/Multicast Control (BMC)	R2
25.331	Radio Resource Control (RRC) Protocol Specification	R2
25.401	UTRAN Overall Description	R3
25.402	Synchronisation in UTRAN Stage 2	R3
25.410	UTRAN Iu Interface: General Aspects and Principles	R3
25.411	UTRAN Iu interface Layer 1	R3
25.412	UTRAN Iu interface signalling transport	R3
25.413	UTRAN Iu interface RANAP signalling	R3
25.414	UTRAN Iu interface data transport & transport signalling	R3
25.415	UTRAN Iu interface user plane protocols	R3
25.419	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
25.420	UTRAN Iur Interface: General Aspects and Principles	R3
25.421	UTRAN Iur interface Layer 1	R3
25.422	UTRAN Iur interface signalling transport	R3
25.423	UTRAN Iur interface RNSAP signalling	R3
25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
25.425	UTRAN Iur interface user plane protocols for CCH data streams	R3
25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
25.430	UTRAN Iub Interface: General Aspects and Principles	R3
25.431	UTRAN Iub interface Layer 1	R3
25.432	UTRAN Iub interface signalling transport	R3
25.433	UTRAN Iub interface NBAP signalling	R3
25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
25.435	UTRAN Iub interface user plane protocols for CCH data streams	R3
25.442	UTRAN Implementation Specific O&M Transport	R3
25.831	Study Items for future release	R3
25.832	Manifestations of Handover and SRNS relocation	R3
25.833	Physical layer items not for inclusion in Release 99	R1
25.853	Delay budget within the access stratum	R3
25.921	Guidelines and principles for protocol description and error handling	R2
25.922	Radio Resource Management Strategies	R2

Spec	title	WG
25.931	UTRAN Functions, examples on signalling procedures	R3
25.942	RF system scenarios	R4
25.944	Channel coding and multiplexing examples	R1
25.990	Vocabulary for UTRAN	R4
26.071	AMR speech Codec; General description	S4
26.073	AMR speech Codec; C-source code	S4
26.074	AMR speech Codec; Test sequences	S4
26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
26.090	AMR speech Codec; Transcoding Functions	S4
26.091	AMR speech Codec; Error concealment of lost frames	S4
26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	S4
26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	S4
26.101	AMR speech Codec; Frame Structure	S4
26.102	AMR speech Codec; Interface to Iu and Uu	S4
26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
26.115	Transmission Delay and Echo Control Planning For Speech and Multi-Media Services	S4
26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	S4
26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	S4
26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	S4
26.975	Performance characterization of the AMR speech codec	S4
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
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	T2
27.060	GPRS Mobile Stations supporting GPRS	N3
27.103	Wide Area Network Synchronisation	T2
27.903	Discussion of Synchronisation Standards	T2
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
29.011	Signalling Interworking for Supplementary Services	N4
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4
29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1
29.018	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	N1
29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
29.061	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	N3
29.078	CAMEL; Stage 3	N2
29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	N4
30.531	Work Plan and Study Items - RAN WG3	R3
31.101	UICC-terminal interface; Physical and logical characteristics	T3
31.102	Characteristics of the USIM Application	T3
31.110	Numbering system for telecommunication IC card applications	T3
31.120	Terminal tests for the UICC Interface; part 1	T3
31.121	Terminal tests for the UICC Interface; part 2	T3
31.122	UICC Test Specification	T3
32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
32.101	3G Telecom Management principles and high level requirements	S5
32.102	3G Telecom Management Architecture	S5
32.104	3G Performance Management	S5
32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	S5
32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	S5

Spec	title	WG
32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	S5
32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	S5
32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	S5
32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	S5
32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
33.102	Security Architecture	S3
33.103	Security Integration Guidelines	S3
33.105	Cryptographic Algorithm requirements	S3
33.106	Lawful interception requirements	S3
33.107	Lawful interception architecture and functions	S3
33.120	Security Objectives and Principles	S3
33.900	Guide to 3G security	S3
33.901	Criteria for cryptographic Algorithm design process	S3
33.902	Formal Analysis of the 3G Authentication Protocol	S3
33.908	Security Algorithms Group of Experts (SAGE); General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	S3
33.909	ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms	S3
34.108	Common Test Environments for User Equipment (UE) Conformance Testing	T1
34.109	Logical Test Interface (TDD and FDD)	R2
34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
34.123-1	UE Conformance Specification, Part 1 – Conformance specification	T1
34.123-2	UE Conformance Specification, Part 2 – ICS	T1
34.123-3	UE Conformance Specification, Part 3 Abstract Test suites	T1
34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	S3
35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	S3
35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	S3
35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	S3
35.205	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions; Document 1: General	S3
35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	S3
35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	S3
35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	S3
35.209	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	S3
41.000	Working Procedures for SMG	SP
41.031	Fraud Information Gathering System (FIGS); Service requirements ; Stage 0	S3
41.033	Lawful Interception requirements for GSM	S3
41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3
42.009	Security Aspects	S3
42.017	Subscriber Identity Modules, Functional Characteristics	T3

Spec	title	WG
42.031	Fraud Information Gathering System (FIGS) Service description ; Stage 1	S3
42.032	Immediate Service Termination (IST); Service description ; Stage 1	S3
42.033	Lawful Interception ; Stage 1	S3
42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	T3
42.053	Tandem Free Operation (TFO); Service description; Stage 1	S4
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1
42.095	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	S1
43.005	Technical performance objectives	NP
43.013	Discontinuous Reception (DRX) in the GSM System	GP
43.019	GSM API for SIM toolkit stage 2	T3
43.026	Multiband operation of GSM/DCS 1800 by a single operator	GP
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3
43.033	Lawful Interception ; Stage 2	S3
43.035	Immediate Service Termination (IST); Stage 2	S3
43.045	Technical Realization of Facsimile Group 3 Service - transparent	N3
43.048	Security Mechanisms for SIM Toolkit Application ; Stage 2	T3
43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface ; Stage 2	GP
43.053	Tandem Free Operation (TFO); Service description; Stage 2	S4
43.055	Dual Transfer Mode (DTM); Stage 2	G1
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	N1
43.071	Location services (LCS); Stage 2	S2
44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1
44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2
44.004	Layer 1 - General Requirements	G2
44.005	Data Link (DL) Layer General Aspects	G2
44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	G2
44.008	Mobile radio interface layer 3 specification	N1
44.013	Performance Requirements on Mobile Radio Interface	N1
44.014	Individual equipment type requirements and interworking; Special conformance testing functions	G2
44.031	Location Services LCS RR LCS Protocol	G2
44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	G2
44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1
44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1
44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	N1
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
44.071	Location services (LCS) stage 3	G2
45.009	Link adaptation	G1
45.010	Radio subsystem synchronization	G1
45.022	Radio link management in hierarchical networks	GP
45.050	Background for RF Requirements	GP
45.056	CTS-FP Radio Sub-system	GP
46.001	Full Rate Speech Processing Functions	S4
46.002	Half Rate Speech Processing Functions	S4
46.006	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	S4
46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4
46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4
46.010	Full Rate Speech Transcoding	S4
46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4
46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4
46.020	Half Rate Speech Transcoding	S4
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4
46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4
46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4

Spec	title	WG
46.032	Voice Activity Detection (VAD)	S4
46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4
46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4
46.051	GSM Enhanced full rate speech processing functions: General description	S4
46.053	ANSI-C code for the GSM Enhanced full rate speech codec	S4
46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
46.055	Performance characterisation of the GSM EFR Speech Codec	S4
46.060	Enhanced full rate speech transcoding	S4
46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	S4
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4
46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4
46.078	Results of the AMR noise suppression selection phase	S4
46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	S4
46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	S4
46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	S4
48.001	General Aspects on the BSS-MSC Interface	G2
48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2
48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2
48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	G2
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2
48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	G2
48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	G2
48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	G2
48.056	BSC-BTS Layer 2 Specification	G2
48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
48.060	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	GP
48.061	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	GP
48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	S4
48.071	Location services (LCS) SMLC-BSS interface L 3	G2
49.001	General Network Interworking Scenarios	N4
49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
49.031	Location Services LCS Extension (BSSAP-LE)	G2
50.043	Support of Localised Service Area (SoLSA); Work Item Status	S1
50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	S2
50.059	Project scheduling and open issues for EDGE	GP
50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	GP
51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
51.013	Test specification for SIM API for Java card	T3
51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3
51.021	GSM Radio Aspects Base Station System Equipment Specification	G3
51.026	GSM Repeater Equipment Specification	G3
52.003	Security Management	S5
52.004	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	S5
52.071	Location Services (LCS); Location services management	S5

2 Sorted by working group

Spec	title	WG
43.055	Dual Transfer Mode (DTM); Stage 2	G1
45.009	Link adaptation	G1
45.010	Radio subsystem synchronization	G1
24.004	Layer 1 - General Requirements	G2
24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2
44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2
44.004	Layer 1 - General Requirements	G2
44.005	Data Link (DL) Layer General Aspects	G2
44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	G2
44.014	Individual equipment type requirements and interworking; Special conformance testing functions	G2
44.031	Location Services LCS RR LCS Protocol	G2
44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	G2
44.071	Location services (LCS) stage 3	G2
48.001	General Aspects on the BSS-MSC Interface	G2
48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2
48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2
48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	G2
48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2
48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	G2
48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	G2
48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	G2
48.056	BSC-BTS Layer 2 Specification	G2
48.058	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2
48.071	Location services (LCS) SMLC-BSS interface L 3	G2
49.031	Location Services LCS Extension (BSSAP-LE)	G2
51.021	GSM Radio Aspects Base Station System Equipment Specification	G3
51.026	GSM Repeater Equipment Specification	G3
43.013	Discontinuous Reception (DRX) in the GSM System	GP
43.026	Multiband operation of GSM/DCS 1800 by a single operator	GP
43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface ; Stage 2	GP
45.022	Radio link management in hierarchical networks	GP
45.050	Background for RF Requirements	GP
45.056	CTS-FP Radio Sub-system	GP
48.060	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	GP
48.061	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	GP
50.059	Project scheduling and open issues for EDGE	GP
50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	GP
23.009	Handover procedures	N1
23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	N1
23.034	High Speed Circuit Switched Data (HSCSD) ; Stage 2	N1
23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	N1
23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode	N1
23.814	Separating RR and MM specific parts of the MS Classmark	N1
23.972	Circuit Switched Multimedia Telephony	N1
24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1
24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	N1
24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1
29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1

Spec	title	WG
29.018	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	N1
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2	N1
44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1
44.008	Mobile radio interface layer 3 specification	N1
44.013	Performance Requirements on Mobile Radio Interface	N1
44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1
44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1
44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	N1
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1
49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	N1
23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2	N2
29.078	CAMEL; Stage 3	N2
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
27.060	GPRS Mobile Stations supporting GPRS	N3
29.061	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	N3
43.045	Technical Realization of Facsimile Group 3 Service - transparent	N3
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3
23.003	Numbering, Addressing and Identification	N4
23.007	Restoration procedures	N4
23.008	Organisation of subscriber data	N4
23.011	Technical Realization of Supplementary Services - General Aspects	N4
23.012	Location management procedures	N4
23.015	Technical realisation of Operator Determined Barring (ODB)	N4
23.016	Subscriber data management ; Stage 2	N4
23.066	Support of GSM Mobile Number Portability (MNP) stage 2	N4
23.072	Call Deflection Supplementary Service ; Stage 2	N4
23.073	Support of Localised Service Area (SoLSA) ; Stage 2	N4
23.081	Line Identification Supplementary Services ; Stage 2	N4
23.082	Call Forwarding (CF) Supplementary Services ; Stage 2	N4
23.084	MultiParty (MPTY) Supplementary Service ; Stage 2	N4
23.085	Closed User Group (CUG) Supplementary Service ; Stage 2	N4
23.086	Advice of Charge (AoC) Supplementary Service ; Stage 2	N4
23.087	User-to-User Signalling (UUS) ; Stage 2	N4
23.088	Call Barring (CB) Supplementary Service ; Stage 2	N4
23.090	Unstructured Supplementary Service Data (USSD) ; Stage 2	N4
23.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 2	N4
23.094	Follow Me Stage 2	N4
23.096	Name Identification Supplementary Service ; Stage 2	N4
23.097	Multiple Subscriber Profile (MSP); Stage 2	N4
23.116	Super Charger ; Stage 2	N4
23.119	Gateway Location Register (GLR) ; Stage2	N4
23.908	Technical report on Pre-Paging	N4
23.909	Technical report on the Gateway Location Register	N4
23.911	Technical report on Out-of-band transcoder control	N4
23.912	Technical report on Super-Charger	N4
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4
24.030	Location Services LCS Stage 3 SS (MO-LR)	N4
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) ; Stage 3	N4
24.072	Call Deflection Supplementary Service ; Stage 3	N4
24.080	Mobile radio Layer 3 Supplementary Service specification - Formats and coding	N4
24.081	Line Identification Supplementary Service ; Stage 3	N4
24.082	Call Forwarding Supplementary Service ; Stage 3	N4
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service ; Stage 3	N4
24.084	MultiParty (MPTY) Supplementary Service ; Stage 3	N4
24.085	Closed User Group (CUG) Supplementary Service ; Stage 3	N4

Spec	title	WG
24.086	Advice of Charge (AoC) Supplementary Service ; Stage 3	N4
24.087	User-to-User Signalling (UUS) ; Stage 3	N4
24.088	Call Barring (CB) Supplementary Service ; Stage 3	N4
24.090	Unstructured Supplementary Service Data (USSD) ; Stage 3	N4
24.091	Explicit Call Transfer (ECT) Supplementary Service ; Stage 3	N4
24.093	Call Completion to Busy Subscriber (CCBS) ; Stage 3	N4
24.096	Name Identification Supplementary Service ; Stage 3	N4
24.135	Multicall Stage 3	N4
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
29.011	Signalling Interworking for Supplementary Services	N4
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4
29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	N4
29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	N4
49.001	General Network Interworking Scenarios	N4
43.005	Technical performance objectives	NP
25.201	Physical layer -General Description	R1
25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	R1
25.212	Multiplexing and channel coding (FDD)	R1
25.213	Spreading and modulation (FDD)	R1
25.214	Physical layer procedures (FDD)	R1
25.215	Physical layer; Measurements (FDD)	R1
25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	R1
25.222	Multiplexing and channel coding (TDD)	R1
25.223	Spreading and modulation (TDD)	R1
25.224	Pphysical layer procedures (TDD)	R1
25.225	Physical layer; Measurements (TDD)	R1
25.833	Physical layer items not for inclusion in Release 99	R1
25.944	Channel coding and multiplexing examples	R1
25.301	Radio Interface Protocol Architecture	R2
25.302	Services provided by the physical layer	R2
25.303	UE functions and inter-layer procedures in connected mode	R2
25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R2
25.305	Stage 2 functional specification of UE positioning in UTRAN	R2
25.306	UE Radio Access capabilities definition	R2
25.321	Medium Access Control (MAC) Protocol Specification	R2
25.322	Radio Link Control (RLC) Protocol Specification	R2
25.323	Packet Data Convergence Protocol (PDCP) protocol	R2
25.324	Broadcast/Multicast Control (BMC)	R2
25.331	Radio Resource Control (RRC) Protocol Specification	R2
25.921	Guidelines and principles for protocol description and error handling	R2
25.922	Radio Resource Management Strategies	R2
34.109	Logical Test Interface (TDD and FDD)	R2
25.401	UTRAN Overall Description	R3
25.402	Synchronisation in UTRAN Stage 2	R3
25.410	UTRAN Iu Interface: General Aspects and Principles	R3
25.411	UTRAN Iu interface Layer 1	R3
25.412	UTRAN Iu interface signalling transport	R3
25.413	UTRAN Iu interface RANAP signalling	R3
25.414	UTRAN Iu interface data transport & transport signalling	R3
25.415	UTRAN Iu interface user plane protocols	R3
25.419	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R3
25.420	UTRAN Iur Interface: General Aspects and Principles	R3
25.421	UTRAN Iur interface Layer 1	R3
25.422	UTRAN Iur interface signalling transport	R3

Spec	title	WG
25.423	UTRAN Iur interface RNSAP signalling	R3
25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	R3
25.425	UTRAN Iur interface user plane protocols for CCH data streams	R3
25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R3
25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R3
25.430	UTRAN Iub Interface: General Aspects and Principles	R3
25.431	UTRAN Iub interface Layer 1	R3
25.432	UTRAN Iub interface signalling transport	R3
25.433	UTRAN Iub interface NBAP signalling	R3
25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	R3
25.435	UTRAN Iub interface user plane protocols for CCH data streams	R3
25.442	UTRAN Implementation Specific O&M Transport	R3
25.831	Study Items for future release	R3
25.832	Manifestations of Handover and SRNS relocation	R3
25.853	Delay budget within the access stratum	R3
25.931	UTRAN Functions, examples on signalling procedures	R3
29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3
30.531	Work Plan and Study Items - RAN WG3	R3
25.101	UE Radio transmission and reception (FDD)	R4
25.102	UE Radio transmission and reception (TDD)	R4
25.104	UTRA (BS) FDD; Radio transmission and reception	R4
25.105	UTRA (BS) TDD: Radio transmission and reception	R4
25.113	Base station EMC	R4
25.123	Requirements for support of radio resource management (TDD)	R4
25.133	Requirements for support of radio resource management (FDD)	R4
25.141	Base station conformance testing (FDD)	R4
25.142	Base station conformance testing (TDD)	R4
25.942	RF system scenarios	R4
25.990	Vocabulary for UTRAN	R4
34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4
22.004	General on Supplementary Services	S1
22.024	Description of Charge Advice Information (CAI)	S1
22.030	Man-Machine Interface (MMI) of the Mobile Station (MS)	S1
22.034	High Speed Circuit Switched Data (HSCSD) ; Stage 1	S1
22.042	Network Identity and Time Zone (NITZ), stage 1	S1
22.043	Support of Localised Service Area (SoLSA) ; Stage 1	S1
22.066	Support of Mobile Number Portability (MNP); Stage 1	S1
22.072	Call Deflection (CD); Stage 1	S1
22.079	Support of Optimal Routing; Stage 1	S1
22.081	Line Identification Supplementary Services; Stage 1	S1
22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1
22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	S1
22.084	MultiParty (MPTY) Supplementary Service; Stage 1	S1
22.085	Closed User Group (CUG) Supplementary Services; Stage 1	S1
22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	S1
22.087	User-to-user signalling (UUS); Stage 1	S1
22.088	Call Barring (CB) Supplementary Services; Stage 1	S1
22.090	Unstructured Supplementary Service Data (USSD); Stage 1	S1
22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	S1
22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	S1
22.094	Follow Me Stage 1	S1
22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	S1
22.097	Multiple Subscriber Profile (MSP); Stage 1	S1
22.115	Service Aspects Charging and billing	S1
22.135	Multicall Stage 1	S1
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1

Spec	title	WG
42.095	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	S1
50.043	Support of Localised Service Area (SoLSA); Work Item Status	S1
23.032	Universal Geographical Area Description (GAD)	S2
23.060	General Packet Radio Service (GPRS) Service description; Stage 2	S2
23.101	General UMTS Architecture	S2
23.110	UMTS Access Stratum Services and Functions	S2
23.121	Architecture Requirements for release 99	S2
23.171	Functional stage 2 description of location services in UMTS	S2
23.922	Architecture for an All IP network	S2
23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	S2
23.925	UMTS Core network based ATM transport	S2
23.930	Iu Principles	S2
43.071	Location services (LCS); Stage 2	S2
50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	S2
21.133	Security Threats and Requirements	S3
22.022	Personalisation of GSM ME Mobile functionality specification ; Stage 1	S3
33.102	Security Architecture	S3
33.103	Security Integration Guidelines	S3
33.105	Cryptographic Algorithm requirements	S3
33.106	Lawful interception requirements	S3
33.107	Lawful interception architecture and functions	S3
33.120	Security Objectives and Principles	S3
33.900	Guide to 3G security	S3
33.901	Criteria for cryptographic Algorithm design process	S3
33.902	Formal Analysis of the 3G Authentication Protocol	S3
33.908	Security Algorithms Group of Experts (SAGE); General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	S3
33.909	ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms	S3
35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	S3
35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	S3
35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	S3
35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	S3
35.205	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions; Document 1: General	S3
35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	S3
35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	S3
35.208	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data	S3
35.209	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation	S3
41.031	Fraud Information Gathering System (FIGS); Service requirements ; Stage 0	S3
41.033	Lawful Interception requirements for GSM	S3
41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3
42.009	Security Aspects	S3
42.031	Fraud Information Gathering System (FIGS) Service description ; Stage 1	S3
42.032	Immediate Service Termination (IST); Service description ; Stage 1	S3
42.033	Lawful Interception ; Stage 1	S3
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3
43.033	Lawful Interception ; Stage 2	S3
43.035	Immediate Service Termination (IST); Stage 2	S3
22.076	Noise Suppression for the AMR	S4
26.071	AMR speech Codec; General description	S4

Spec	title	WG
26.073	AMR speech Codec; C-source code	S4
26.074	AMR speech Codec; Test sequences	S4
26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder	S4
26.090	AMR speech Codec; Transcoding Functions	S4
26.091	AMR speech Codec; Error concealment of lost frames	S4
26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	S4
26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	S4
26.101	AMR speech Codec; Frame Structure	S4
26.102	AMR speech Codec; Interface to Iu and Uu	S4
26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4
26.115	Transmission Delay and Echo Control Planning For Speech and Multi-Media Services	S4
26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	S4
26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	S4
26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	S4
26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	S4
26.975	Performance characterization of the AMR speech codec	S4
42.053	Tandem Free Operation (TFO); Service description; Stage 1	S4
43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4
43.053	Tandem Free Operation (TFO); Service description; Stage 2	S4
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4
46.001	Full Rate Speech Processing Functions	S4
46.002	Half Rate Speech Processing Functions	S4
46.006	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	S4
46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4
46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4
46.010	Full Rate Speech Transcoding	S4
46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4
46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4
46.020	Half Rate Speech Transcoding	S4
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4
46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4
46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4
46.032	Voice Activity Detection (VAD)	S4
46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4
46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4
46.051	GSM Enhanced full rate speech processing functions: General description	S4
46.053	ANSI-C code for the GSM Enhanced full rate speech codec	S4
46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	S4
46.055	Performance characterisation of the GSM EFR Speech Codec	S4
46.060	Enhanced full rate speech transcoding	S4
46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels	S4
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4
46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4
46.078	Results of the AMR noise suppression selection phase	S4
46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	S4
46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	S4
46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	S4
48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	S4
32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain	S5
32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain	S5
32.101	3G Telecom Management principles and high level requirements	S5
32.102	3G Telecom Management Architecture	S5
32.104	3G Performance Management	S5
32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management;	S5

Spec	title	WG
	Concept and requirements	
32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	S5
32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	S5
32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	S5
32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	S5
32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	S5
32.106-7	Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1	S5
32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	S5
32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	S5
32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	S5
32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	S5
32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	S5
52.003	Security Management	S5
52.004	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	S5
52.071	Location Services (LCS); Location services management	S5
21.900	3GPP working methods	SP
41.000	Working Procedures for SMG	SP
34.108	Common Test Environments for User Equipment (UE) Conformance Testing	T1
34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1
34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	T1
34.123-1	UE Conformance Specification, Part 1 – Conformance specification	T1
34.123-2	UE Conformance Specification, Part 2 – ICS	T1
34.123-3	UE Conformance Specification, Part 3 Abstract Test suites	T1
23.041	Technical Realization of Cell Broadcast Service	T2
23.042	Compression algorithm for SMS	T2
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
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	T2
27.103	Wide Area Network Synchronisation	T2
27.903	Discussion of Synchronisation Standards	T2
21.111	USIM and IC card requirements	T3
31.101	UICC-terminal interface; Physical and logical characteristics	T3
31.102	Characteristics of the USIM Application	T3
31.110	Numbering system for telecommunication IC card applications	T3
31.120	Terminal tests for the UICC Interface; part 1	T3
31.121	Terminal tests for the UICC Interface; part 2	T3
31.122	UICC Test Specification	T3
42.017	Subscriber Identity Modules, Functional Characteristics	T3
42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	T3
43.019	GSM API for SIM toolkit stage 2	T3
43.048	Security Mechanisms for SIM Toolkit Application ; Stage 2	T3
51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3
51.013	Test specification for SIM API for Java card	T3
51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3