Source: **MCC**
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Title: **Spec numbers and titles**

Document for: **information**

The table below shows all known specifications pertaining to GSM / UMTS, past and present.

In the table, a "Y" indicates that the specification in question exists for the Release indicated. A "w" indicates that the Release version did at one time exist, or was anticipated, but that it has been withdrawn or stopped.

Specs ending with "U" pertain to early UMTS work within ETSI TC SMG, and are not shown as belonging to any Release. Most have been withdrawn.

Number	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	active
00.01U	Work programme for the standarization of Universal Mobile Telecommunications System (UMTS)									
00.02	Voice group call service study (UIC project)	w								
00.02U	Coordination guideline for SMG on UMTS with respect to ITU and European research programmes									
01.00	Working Procedures for SMG and PT SMG			Y	w	Y	Y			yes
01.01	GSM Release 1999 Specifications						Y			yes
01.02	General Description of a GSM Public Land Mobile Network (PLMN)		Y	Y	Y					yes
01.03U	UMTS system requirements									
01.04	Abbreviations and acronyms	Y	Y	Y	Y	Y	Y			yes
01.04U	Scenarios and considerations for the introduction of the Universal Mobile Telecommunications System (UMTS) (UMTS 01.04)									
01.05	Definitions		w							
01.05U	System design methodology for the UMTS									
01.06	Service implementation phases and possible further phases in the GSM PLMN		w							
01.07	Updating procedure for GSM Recommendations		w							
01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0			w	w	Y	Y			yes
01.33	Lawful Interception requirements for GSM					Y	Y			yes
01.48	ISDN-based DECT/GSM interworking; Feasibility study			Y	Y					yes
01.50	Radio Local Loop (RLL) using GSM			w						
01.51	Dual mode of operation and roaming			w						
01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements					Y	w			yes
01.60	GPRS requirements				Y					yes
01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements			w	Y	Y	Y			yes
01.78	Customized Applications for Mobile networks using Enhanced Logic (CAMEL); Stage 0			w						
02.01	Principles of telecommunication services supported by a GSM Public Land Mobile Network(PLMN)	Y	Y	Y	Y	Y	w			yes
02.01U	Framework for services to be supported by UMTS									
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			yes
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			yes
02.04	General on Supplementary Services	Y	Y	Y	Y	Y	w			yes
02.05	Simultaneous and Alternate Use of Services	w								
02.06	Types of Mobile Stations (MS)	Y	Y	Y	Y	Y				yes
02.07	Mobile Station (MS) Features	Y	Y	Y	Y	Y	w			yes
02.08	Quality of Service (QoS) / GSM system performance	Y	w							
02.09	Security aspects	Y	Y	Y	Y	Y	Y			yes
02.10	Provision of Telecommunication Services	w								
02.11	Service Accessibility	Y	Y	Y	Y	Y				yes
02.12	Licensing	w								
02.13	Subscription to the Services of a GSM PLMN	w								
02.14	Service Directory	w								
02.15	Circulation of mobile stations	w								
02.16	International Mobile Station Equipment Identities (IMEI)	Y	Y	Y	Y	Y				yes
02.17	Subscriber Identity Module (SIM); Functional characteristics	Y	Y	Y	Y	Y	Y			yes
02.18	Interworking with non-GSM applications on the SIM to be accessed via the GSM network			w						
02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1					Y	Y			yes
02.20	Collection charges	Y								yes
02.21	Transferred account procedure and billing information	w								
02.22	Stage 1 for personalisation of GSM ME			Y	Y	Y				yes
02.24	Description of Charge Advice Information (CAI)		Y	Y	Y	Y				yes
02.25	GSM - DCS roaming: Requirements and Stage 1			w						

Number	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	active
	descriptions									
02.26	Operation of multi-band GSM/DCS 1800 network by a single operator			w						
02.27	DECT access to GSM networks			w						
02.28	UPT phase 1			w						
02.29	Inter operation with UPT phase 2			w						
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	Y	Y	Y	Y	Y				yes
02.31	Fraud Information Gathering System (FIGS); Service description; Stage 1			w	w	Y	Y			yes
02.32	Immediate Service Termination (IST); Service description; Stage 1					Y	Y			yes
02.33	Lawful Interception (LI); Stage 1			w	w	Y	Y			yes
02.34	High Speed Circuit Switched Data (HSCSD); Stage 1			Y	Y	Y	w			yes
02.35	Universal access to freephone numbers; Stage 1			w						
02.36	Premium rate services; Stage 1			w						
02.37	ISDN based DECT/GSM Interworking			w						
02.38	SIM application toolkit (SAT); Stage 1			w	w	w	w			
02.40	Procedures for Call Progress Indications	Y	Y	Y	Y	Y	w			yes
02.41	Operator Determined Barring		Y	Y	Y	Y				yes
02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1			Y	Y	Y	w			yes
02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1				Y	Y				yes
02.48	Security mechanisms for the SIM Application Toolkit; Stage 1				Y	Y	Y			yes
02.53	Tandem Free Operation (TFO); Service description; Stage 1			w	Y	Y	Y			yes
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1					Y	Y			yes
02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1					Y	w			yes
02.60	General Packet Radio Service Stage 1 Description			w	Y	Y	w			yes
02.63	Packet Data on Signalling channels Service (PDS); Stage 1			Y	Y	Y				yes
02.66	Support of Mobile Number Portability (MNP); Service description; Stage 1			w		Y				yes
02.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1			Y	Y	Y				yes
02.68	Voice Group Call Service (VGCS); Stage 1			Y	Y	Y	Y			yes
02.69	Voice Broadcast Service (VBS); Stage 1			Y	Y	Y	Y			yes
02.71	Location Services (LCS); Stage 1					Y				yes
02.72	Call Deflection Service description, Stage 1			w		Y				yes
02.73	Malicious Call Identification (MCID) - stage 1			w						
02.76	Noise Suppression for the AMR						Y			yes
02.77	Emergency call TS12 with additional data transfer			w						
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)			Y	Y	Y	w			yes
02.79	Support of Optimal Routeing (SOR); Service definition (Stage 1)			Y	Y	Y				yes
02.81	Line Identification Supplementary Services; Stage 1		Y	Y	Y	Y				yes
02.82	Call Forwarding (CF) Supplementary Services; Stage 1	Y	Y	Y	Y	Y	w			yes
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1		Y	Y	Y	Y				yes
02.84	MultiParty (MPTY) Supplementary Services; Stage 1		Y	Y	Y	Y				yes
02.85	Closed User Group (CUG) Supplementary Services; Stage 1		Y	Y	Y	Y				yes
02.86	Advice of Charge (AoC) Supplementary Services; Stage 1		Y	Y	Y	Y				yes
02.87	User-to-User Signalling (UUS) Service Description; Stage 1			w		Y				yes
02.88	Call Barring (CB) Supplementary Services; Stage 1	Y	Y	Y	Y	Y				yes
02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y	w			yes
02.91	Explicit Call Transfer (ECT)			Y	Y	Y				yes
02.92	Call Forward Enhancements (CFE) - Stage 1 description			w						

Number	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	active
02.93	Completion of Calls to Busy Subcriber (CCBS) Service Description; Stage 1			w	Y	Y				yes
02.94	Follow Me Service description; Stage 1						Y			yes
02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1			Y	Y	Y	Y			yes
02.96	Name Identification Supplementary Services; Stage 1			w	Y	Y				yes
02.97	Multiple Subscriber Profile (MSP) Service description, Stage 1			w		Y				yes
02.98	New barring services; Stage 1			w						
02.99	Direct Subscriber Access and Restriction (DSAR); Stage1			w						
03.01	Network Functions	Y	Y	Y	Y	Y	w			yes
03.02	Network Architecture	Y	Y	Y	Y	Y				yes
03.03	Numbering, Addressing and Identification	Y	Y	Y	Y	Y				yes
03.04	Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	Y	Y	w	w					yes
03.05	Technical performance objectives	Y	Y	Y	Y	Y	Y			yes
03.07	Restoration Procedures	Y	Y	Y	Y	Y				yes
03.08	Organization of Subscriber Data	Y	Y	Y	Y	Y				yes
03.09	Handover Procedures	Y	Y	Y	Y	Y				yes
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	Y	Y	Y	Y	Y	Y			yes
03.11	Technical Realization of Supplementary Services - General Aspects	Y	Y	Y	Y	Y				yes
03.12	Location Registration Procedures	Y	Y	Y	Y	Y				yes
03.13	Discontinuous Reception (DRX) in the GSM System	Y	Y	Y	Y	Y	Y			yes
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	Y	Y	Y	Y	Y				yes
03.15	Technical Realization of Operator Determined Barring		Y	Y	Y	Y				yes
03.16	Subscriber Data Management		Y	Y	Y	Y				yes
03.17	Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2			w						
03.18	Basic Call Handling			Y	Y	Y				yes
03.19	GSM API for SIM toolkit stage 2					Y	Y			yes
03.20	Security-related Network Functions	Y	Y	Y	Y	Y	Y			yes
03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode		Y	Y	Y	Y	Y			yes
03.26	Multiband operation of GSM/DCS 1800 by a single operator		Y	Y	Y	Y	Y			yes
03.30	Radio Network Planning Aspects		Y	Y	Y	Y	Y			yes
03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2					Y	Y			yes
03.32	Universal Geographical Area Description (GAD)			Y	Y	Y				yes
03.33	Lawful Interception; Stage 2					Y	Y			yes
03.34	High Speed Circuit Switched Data (HSCSD); Stage 2			Y	Y	Y				yes
03.35	Immediate Service Termination (IST); Stage 2					Y	Y			yes
03.36	Premium rate services - stage 2			w						
03.38	Alphabets and language-specific information		Y	Y	Y	Y				yes
03.39	Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)		w	w	w	w				
03.40	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	Y	Y	Y	Y	Y				yes
03.41	Technical Realization of Short Message Service Cell Broadcast (SMSCB)	Y	Y	Y	Y	Y				yes
03.42	SMS Compression			Y	Y	Y				yes
03.43	Support of Videotex	Y	Y	Y	Y	Y	w			yes
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			yes
03.45	Technical Realization of Facsimile Group 3 Service - transparent	Y	Y	Y	Y	Y	Y			yes
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	Y	Y	Y	Y	Y	Y			yes
03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)		Y	Y	Y	Y	w			yes
03.48	Security mechanisms for SIM application toolkit; Stage 2	Y			Y	Y	Y			yes

Number	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	active
03.49	Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)		Y	Y	Y	Y	w			yes
03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	Y	Y	Y	Y	Y	Y			yes
03.51	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2									
03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2					Y	Y			yes
03.53	Tandem Free Operation (TFO); Service description; Stage 2					Y	Y			yes
03.54	Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2			Y	Y	Y				yes
03.55	Dual Transfer Mode (DTM); Stage 2						Y			yes
03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2					Y	w			yes
03.57	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2					Y				yes
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)				Y	Y	Y			yes
03.59	Location services (LCS) GERAN; Stage 2									yes
03.60	General Packet Radio Service (GPRS) Service description; Stage 2			w	Y	Y				yes
03.61	General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2				w					
03.62	General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 2				w					
03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2			Y	Y	Y	Y			yes
03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2			w	Y	Y	Y			yes
03.66	Support of GSM Mobile Number Portability (MNP); Stage 2					Y				yes
03.67	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2			Y	Y	Y				yes
03.68	Voice Group Call Service (VGCS); Stage 2			Y	Y	Y	Y			yes
03.69	Voice Broadcast service (VBS); Stage 2			Y	Y	Y	Y			yes
03.70	Routeing of Calls to/from Public Data Networks (PDN)	Y	Y	Y	Y	Y				yes
03.71	Location Services (LCS); Functional description; Stage 2					Y	Y			yes
03.72	Call Deflection stage 2					Y				yes
03.73	Support of Localised Service Area (SoLSA); Stage 2					Y				yes
03.78	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2			Y	Y	Y				yes
03.79	Support of Optimal Routeing phase 1; Stage 2			Y	Y	Y				yes
03.81	Line Identification Supplementary Services; Stage 2		Y	Y	Y	Y				yes
03.82	Call Forwarding (CF) Supplementary Services; Stage 2	Y	Y	Y	Y	Y	w			yes
03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2		Y	Y	Y	Y				yes
03.84	Multi Party (MPTY) Supplementary Services; Stage 2		Y	Y	Y	Y				yes
03.85	Closed user Group (CUG) Supplementary Services; Stage 2		Y	Y	Y	Y				yes
03.86	Advice of Charge (AoC) Supplementary Services; Stage 2		Y	Y	Y	Y				yes
03.87	User-to-user signalling (UUS); Stage 2					Y				yes
03.88	Call Barring (CB) supplementary services; Stage 2	Y	Y	Y	Y	Y				yes
03.90	Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y				yes
03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2			Y	Y	Y				yes
03.93	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2				Y	Y				yes
03.94	Follow Me Service description; Stage 2			w						
03.95	Support of Private Numbering Plan (SPNP); Stage 2			w						
03.96	Name Identification Supplementary Services; Stage 2				Y	Y				yes

Number	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	active
03.97	Multiple subscriber Profile (MSP); Stage 2					Y				yes
03.98	New barring services; Stage 2 description			w						
03.99	Direct Subscriber Access and Restriction (DSAR); Stage 2			w						
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	Y	Y	Y	Y	Y	Y			yes
04.02	GSM Public Land Mobile Network (PLMN) Access Reference Configuration	Y	Y	Y	Y	Y				yes
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	Y	Y	Y	Y	Y	Y			yes
04.04	Layer 1 - General Requirements	Y	Y	Y	Y	Y	Y			yes
04.05	Data Link (DL) Layer General Aspects	Y	Y	Y	Y	Y	Y			yes
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	Y	Y	Y	Y	Y	Y			yes
04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	Y	Y	Y	Y	Y				yes
04.08	Mobile radio interface layer 3 specification	Y	Y	Y	Y	Y	Y			yes
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	Y	Y	Y	Y	Y				yes
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	Y	Y	Y	Y	Y				yes
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	Y	Y	Y	Y	Y	Y			yes
04.13	Performance Requirements on Mobile Radio Interface		Y	Y	Y	Y	Y			yes
04.14	Individual equipment type requirements and interworking; Special conformance testing functions			Y	Y	Y	Y			yes
04.18	Mobile radio interface layer 3 specification; Radio Resource Control Protocol						Y			yes
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	Y	Y	Y	Y	Y	Y			yes
04.22	Radio Link Protocol (RLP) for data and telematic services on the Mobile Station - Base Station System (MS - BSS) interface and the Base Station System - Mobile-services Switching Centre (BSS - MSC) interface	Y	Y	Y	Y	Y	w			yes
04.30	Location Services (LCS); Supplementary service operations; Stage 3					Y				yes
04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)					Y	Y			yes
04.33	Lawful interception; Stage 3					w				
04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods					Y	Y			yes
04.36	Premium rate services - stage 3			w						
04.53	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3					w				
04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification					Y	Y			yes
04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification					Y	Y			yes
04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol				Y	Y	Y			yes
04.61	General Packet Radio Service (GPRS); Point-to-multipoint multicast; Stage 3				w					
04.62	General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 3				w					
04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3				Y	Y	Y	Y		yes
04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification				w	Y	Y	Y		yes
04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)				w	Y	Y	Y		yes
04.67	Enhanced Multi-Level Precedence and Pre-				Y	Y	Y			yes

Number	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	active
	emption service (eMLPP); Stage 3									
04.68	Group Call Control (GCC) Protocol			Y	Y	Y	Y			yes
04.69	Broadcast Call Control (BCC) protocol			Y	Y	Y	Y			yes
04.70	Payphone services - stage 3			w						
04.71	Location Services (LCS); Mobile radio interface layer 3 specification					Y	Y			yes
04.72	Call Deflection (CD) Supplementary Service; Stage 3					Y				yes
04.73	Malicious Call Identification (MCID); Stage 3			w						
04.78	Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 3			w						
04.79	Support of optimal routeing; Stage 3			w						
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	Y	Y	Y	Y	Y				yes
04.81	Line Identification Supplementary Services; Stage 3		Y	Y	Y	Y				yes
04.82	Call Forwarding (CF) Supplementary Services; Stage 3	Y	Y	Y	Y	Y				yes
04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3		Y	Y	Y	Y				yes
04.84	Multi Party (MPTY) Supplementary Services; Stage 3		Y	Y	Y	Y				yes
04.85	Closed User Group (CUG) Supplementary Services; Stage 3		Y	Y	Y	Y				yes
04.86	Advice of Charge (AoC) Supplementary Services; Stage 3		Y	Y	Y	Y				yes
04.87	User-to-User Signalling (UUS) Supplementary Service; Stage 3					Y				yes
04.88	Call Barring (CB) Supplementary Services; Stage 3	Y	Y	Y	Y	Y				yes
04.90	Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y				yes
04.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 3			Y	Y	Y				yes
04.93	Completion of Calls to Busy Subscriber (CCBS); Stage 3				Y	Y				yes
04.94	Follow Me Service description; Stage 3						w			
04.96	Name Identification Supplementary Services; Stage 3				Y	Y				yes
04.98	New barring services; Stage 3			w						
04.99	Direct subscriber access and restriction; Stage 3			w						
05.00	Service to GSM handportables in trains			w						
05.01	Physical Layer on the Radio Path (General Description)	Y	Y	Y	Y	Y	Y			yes
05.02	Multiplexing and Multiple Access on the Radio Path	Y	Y	Y	Y	Y	Y			yes
05.03	Channel coding	Y	Y	Y	Y	Y	Y			yes
05.04	Modulation	Y	Y	Y	Y	Y	Y			yes
05.05	Radio Transmission and Reception	Y	Y	Y	Y	Y	Y			yes
05.08	Radio Subsystem Link Control	Y	Y	Y	Y	Y	Y			yes
05.09	Link adaptation					Y	Y			yes
05.10	Radio subsystem synchronization	Y	Y	Y	Y	Y	Y			yes
05.14	Release independent frequency bands; Implementation guidelines				Y	Y	w			yes
05.18	Hands free mobile station			w						
05.19	Service to GSM handportables in trains			w						
05.20	Fast moving Mobile Station (study)			w						
05.21	DCS 1800; 4 Watt Mobile Power Class - study				w					
05.22	Radio link management in hierarchical networks		Y	Y	Y	Y	Y			yes
05.30	General packet radio service requirements			w						
05.50	Background for RF Requirements			Y	Y	Y	Y	Y		yes
05.56	CTS-FP Radio Sub-system					Y	Y			yes
05.90	GSM Electromagnetic Compatibility (EMC) considerations			Y	Y	Y	Y			yes
06.01	Full Rate Speech Processing Functions	Y	Y	Y	Y	Y	Y			yes
06.02	Half Rate Speech Processing Functions		Y	Y	Y	Y	Y			yes
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec		Y	Y	Y	Y	Y			yes
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec		Y	Y	Y	Y	Y			yes
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec		Y	Y	Y	Y	Y			yes
06.10	Full Rate Speech Transcoding	Y	Y	Y	Y	Y	Y			yes

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06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	Y	Y	Y	Y	Y	Y			yes
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	Y	Y	Y	Y	Y	Y			yes
06.20	Half Rate Speech Transcoding		Y	Y	Y	Y	Y			yes
06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels		Y	Y	Y	Y	Y			yes
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			yes
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	Y	Y	Y	Y	Y	Y			yes
06.32	Voice Activity Detection (VAD)	Y	Y	Y	Y	Y	Y			yes
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			yes
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			yes
06.51	GSM Enhanced full rate speech processing functions: General description		Y	Y	Y	Y	Y			yes
06.53	ANSI-C code for the GSM Enhanced full rate speech codec		Y	Y	Y	Y	Y			yes
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)		Y	Y	Y	Y	Y			yes
06.55	Performance characterisation of the GSM EFR Speech Codec		Y	Y	Y	Y	Y			yes
06.60	Enhanced full rate speech transcoding		Y	Y	Y	Y	Y			yes
06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			yes
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels		Y	Y	Y	Y	Y			yes
06.71	Adaptive Multi-Rate speech processing functions; General description					Y				yes
06.73	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec					Y				yes
06.74	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec					Y				yes
06.75	AMR performance characterization					Y				yes
06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report					Y	Y			yes
06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder						Y			yes
06.78	Results of the AMR noise suppression selection phase						Y			yes
06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			yes
06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			yes
06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation			Y	Y	Y	Y			yes
06.90	Adaptive Multi-Rate speech transcoding					Y				yes
06.91	Substitution and muting of lost frames for AMR speech traffic channels					Y				yes
06.92	Comfort noise aspects for Adaptive Multi-Rate speech traffic channels					Y				yes
06.93	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels					Y				yes
06.94	Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels					Y				yes
07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	Y	Y	Y	Y	Y	w			yes
07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	Y	Y	Y	Y	Y	w			yes
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	Y	Y	Y	Y	Y	w			yes
07.05	Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)		Y	Y	Y	Y				yes
07.06	Use of the V Series Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface at the Mobile Station (MS) for Mobile Termination (MT) configuration		w							
07.07	AT Command set for GSM Mobile Equipment		Y	Y	Y	Y				yes

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	(ME)									
07.08	GSM Application Programming Interface			Y			w			yes
07.10	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol				Y	Y				yes
07.57	Mobile Station Application Execution Environment (MExE); Stage 3		w							
07.60	General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS			Y	Y	Y				yes
08.01	General Aspects on the BSS-MSC Interface	Y	Y	Y	Y	Y	Y			yes
08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	Y	Y	Y	Y	Y	Y			yes
08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	Y	Y	Y	Y	Y	Y			yes
08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	Y	Y	Y	Y	Y	Y			yes
08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	Y	Y	Y	Y	Y	Y			yes
08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1				Y	Y	Y			yes
08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service			w	Y	Y	Y			yes
08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol				Y	Y	Y			yes
08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	Y	Y	Y	Y	Y	Y			yes
08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification					Y	Y			yes
08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	Y	Y	Y	Y	Y	Y			yes
08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	Y	Y	Y	Y	Y	Y			yes
08.54	BSC-BTS Layer 1; Structure of Physical Circuits	Y	Y	Y	Y	Y	Y			yes
08.56	BSC-BTS Layer 2; Specification	Y	Y	Y	Y	Y	Y			yes
08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	Y	Y	Y	Y	Y	Y			yes
08.59	BSC-BTS O&M Signalling Transport	Y	w							yes
08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	Y	Y	Y	Y	Y	Y			yes
08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels		Y	Y	Y	Y	Y			yes
08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3					Y	Y			yes
08.64	GPRS support node - BSS protocol (SGSN_BSS) interface; BSSGP layer 3				w					
08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification					Y	Y			yes
09.01	General Network Interworking Scenarios	Y	Y	Y	Y	Y	Y			yes
09.02	Mobile Application Part (MAP) Specification	Y	Y	Y	Y	Y				yes
09.03	Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y				yes
09.04	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	Y	Y	Y	Y	Y				yes
09.05	Interworking between the PLMN and the PSPDN for PAD Access	Y	Y	Y	Y	Y				yes
09.06	Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet Switched Data Transmission Services		Y	Y	Y	Y				yes
09.07	General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the	Y	Y	Y	Y	Y	w			yes

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	Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)									
09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface		Y	Y	Y	Y	Y			yes
09.09	Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN	Y								yes
09.10	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)	Y	Y	Y	Y	Y				yes
09.11	Signalling Interworking for Supplementary Services	Y	Y	Y	Y	Y				yes
09.12	Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling		Y	w						yes
09.13	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols				Y	Y				yes
09.14	Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling					Y	w			yes
09.16	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification				Y	Y				yes
09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification				Y	Y	w			yes
09.20	Support of Shared Data Interworking Function			w						
09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)					Y	Y			yes
09.60	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface			w	Y	Y				yes
09.61	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)				Y	Y				yes
09.78	CAMEL Application Part phase 2 (stage 3)			Y	Y	Y				yes
09.90	Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)		Y	Y	w					yes
09.91	Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2		Y							yes
09.92	GSM Phase 1 Mobile Station interworking with Phase 2 Networks		w							
09.94	Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults		Y	w	w					yes
09.95	Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles				Y	Y				yes
10.00	Digital Cellular Telecommunication System Feature Description			Y		Y				yes
10.01	GSM features and releases				w					
10.02	Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+			Y	Y					yes
10.14	System overview for 14.4 kbit/s Work Item			Y						yes
10.17	General Packet Radio Service (GPRS); Charging in GPRS				w					
10.20	Lawful Interception requirements for GSM			Y	w					
10.43	Support of Localised Service Area (SoLSA); Work Item Status						w			
10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1					Y	Y			yes
10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE)					w	w			
10.59	Project scheduling and open issues for EDGE						Y			yes
10.60	General Packet Radio Services (GPRS); Project Scheduling and Open Issues			w	w					yes
10.66	Support of Mobile Number Portability (MNP); Project plan			w						yes
10.68	Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)			w						
10.70	GSM Adaptive Multi-Rate Speech Codec (AMR);					Y				yes

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	Project schedule and open issues for AMR									
10.71	Project scheduling and open issues:Location services (LCS)					w				yes
10.76	Noise suppression for the AMR codec; Project scheduling and open issues						w			
10.78	Project scheduling and open issues: CAMEL					w				
10.87	User to User Signalling (UUS)					w				
10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;						w			
10.94	Follow Me supplementary service					w				
10.99	GERAN project plan and open issues									
11.01	Mobile station type approval procedure principles (Candidate NET 10 part 1)	w								
11.10	Mobile Station Conformity Specification	Y								yes
11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification		Y	Y	Y	Y	Y			yes
11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification		Y	w	w	w	w			yes
11.10-3	Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)		Y	Y	w	w	w			yes
11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification		Y	w	w	w				yes
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	Y	Y	Y	Y	Y	Y			yes
11.12	Specification on the 3 Volt subscriber identity module Equipment (SIM-ME) Interface		Y	w						yes
11.13	Test specification for SIM API for Java card					Y				yes
11.14	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface		Y	Y	Y	Y				yes
11.16	Conformity Specifications for Transparent Facsimile Group 3 Adaptors		w							
11.17	SIM test specification					Y	w			yes
11.18	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface					Y	w			yes
11.19	CTS SIM Fixed Part					Y				yes
11.20	GSM DCS 1800 Base Station Specification	w								yes
11.20	GSM DCS 1800 Base Station Specification	Y								yes
11.21	Base Station System (BSS) equipment specification; Radio aspects		Y	Y	w	Y	Y			yes
11.22	GSM Base Station and Ancillary Equipment, Physical and Electronical Parameters, Application of Standards and Guidance Notes		Y							yes
11.23	GSM Signalling Aspects Base Station System equipment Specification		Y							yes
11.24	GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification		Y							yes
11.25	The GSM Base Station System (BSS) Equipment specification Half-rate speech		w							
11.26	GSM Repeater Equipment Specification		Y	Y	w	w	Y			yes
11.30	Mobile Services Switching Centre	Y								yes
11.31	Home Location Register Specification	Y								yes
11.32	Visitor Location Register Specification	Y								yes
11.40	DCS 1800 System Simulator Conformity Specification	Y								yes
11.56	CTS phase 1, CTS Fixed Part Tests				w					
12.00	Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management		Y							yes
12.01	Network Management (NM); Part 2: Common aspects of SM/DCS 1800 Network Management		Y							yes
12.02	Subscriber, Mobile Equipment (ME) and Services Data Administration		Y	Y						yes
12.03	Security Management		Y	w	w	Y	Y			yes
12.04	Performance data measurements		Y	w	w	Y	Y			yes
12.05	Subscriber Related Call and Event Data		Y	Y	Y	Y				yes
12.06	Network Configuration Management and Administration		Y							yes
12.07	Public Land Mobile Network (PLMN) Quality of Service	w								yes
12.08	Subscriber and Equipment trace		Y	Y						yes
12.10	Maintenance Provisions for Operational Integrity	Y								yes

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	of MSs									
12.11	Fault management of the Base Station System (BSS)		Y		Y					yes
12.13	Maintenance of the Mobile-services Switching Centre	Y								yes
12.14	Maintenance of Location Registers	Y								yes
12.15	General Packet Radio Service (GPRS); GPRS Charging				Y	Y				yes
12.20	Base Station System (BSS) Management Information		Y							yes
12.21	Network Management (NM) Procedures and Messages on the A-bis Interface		Y	Y						yes
12.22	Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)		Y							yes
12.30	ETSI Object Identifier Tree; Mobile Domain O&M		Y							yes
12.71	Location Services (LCS); Location services management					Y	Y			yes
13.01	Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access		Y							yes
13.01-1	Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access		Y							yes
13.01-2	Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access		Y							yes
13.02	Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access		Y							yes
13.02-1	Attachment requirements; Telephony		w							
13.02-2	Attachment requirements (CDCS 1800); Telephony		w							
13.11	Mobiles stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE Directive					Y				yes
13.21	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive					Y	Y			yes
13.34	Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) Multislot Mobile Stations; Access			Y						yes
13.55	Attachment requirements for Cordless Telephony System Fixed Part (CTS-FP); Access			w						
13.56	Cordless Telephony System Mobile Stations (CTS-MS); Access			w						
13.57	unknown			w						
13.59	Enhanced Data rates for GSM Evolution (EDGE) Mobile Stations; Access			w						
13.60	Attachment requirements for Global System for Mobile communications (GSM); General Packet Radio Service (GPRS); Mobile stations; Access			w						
13.67	Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access			Y						yes
13.68	Attachment requirements for Global System for Mobile communications (GSM); Advanced Speech Call Items (GSM-ASCI) Mobile Stations; Access			Y						yes
21.010	reserved						w			
21.01U	Overall requirements on the radio interface(s) of the UMTS									
21.02U	High level requirements relevant for the definition of the UMTS Terrestrial Radio Access UTRA concept									
21.04U	Requirements for the support of data services in UMTS									
21.06U	O&M requirements for the UMTS									
21.100	3G specification handling procedures						w			
21.101	3rd Generation mobile system Release 1999 Specifications						Y			yes
21.102	3rd Generation mobile system Release 4 specifications							Y		yes

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21.103	3rd Generation mobile system Release 5 specifications								Y	yes
21.104	3rd Generation mobile system Release 6 specifications									yes
21.111	USIM and IC card requirements						Y	Y		yes
21.133	3G security; Security threats and requirements						Y	Y		yes
21.801	Specification drafting rules							Y		yes
21.810	Report on multi-mode UE issues; ongoing work and identified additional work						Y			yes
21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture								Y	yes
21.900	Technical Specification Group working methods						Y	Y		yes
21.904	User Equipment (UE) capability requirements						Y			yes
21.905	Vocabulary for 3GPP Specifications						Y	Y	Y	yes
21.906	reserved						w			
21.910	Multi-mode UE issues; categories, principles and procedures						Y			yes
21.978	Feasibility Technical Report – CAMEL Control of VoIP Services						Y			yes
22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)						Y	Y		yes
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)						Y	Y		yes
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)						Y	Y	Y	yes
22.004	General on Supplementary Services						Y	Y		yes
22.00U	UMTS Phase 1									
22.011	Service accessibility						Y	Y		yes
22.016	International Mobile Equipment Identities (IMEI)						Y	Y		yes
22.01U	Universal Mobile Telecommunications System (UMTS): Service aspects; Service principles									
22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification						Y	Y		yes
22.024	Description of Charge Advice Information (CAI)						Y	Y		yes
22.030	Man-Machine Interface (MMI) of the User Equipment (UE)						Y	Y		yes
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1						Y	Y		yes
22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1						Y	Y	Y	yes
22.041	Operator Determined Call Barring						Y	Y		yes
22.042	Network Identity and Time Zone (NITZ), stage 1						Y	Y		yes
22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1						w	w		
22.048	Security Mechanisms for the (U)SIM application toolkit; Stage 1							Y		yes
22.053	Tandem Free Operation (TFO); Service description; Stage 1						w	Y		yes
22.057	Mobile Execution Environment (MExE); Stage 1						Y	Y	Y	yes
22.05U	Services and service capabilities									
22.060	General Packet Radio Service (GPRS); Service description; Stage 1						Y	Y	Y	
22.066	Support of Mobile Number Portability (MNP); Stage 1						Y	Y		yes
22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1						Y	Y		yes
22.071	Location Services (LCS); Stage 1						Y	Y	Y	yes
22.072	Call Deflection (CD); Stage 1						Y	Y		yes
22.076	Noise suppression for the AMR codec; Service description; Stage 1							Y		yes
22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1						Y	Y	Y	yes
22.079	Support of optimal routeing; Stage 1						Y	Y		yes
22.07U	UMTS terminal and smart card concepts									
22.081	Line Identification supplementary services; Stage 1						Y	Y		yes
22.082	Call Forwarding (CF) Supplementary Services; Stage 1						Y	Y		yes
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1						Y	Y		yes
22.084	MultiParty (MPTY) supplementary service; Stage 1						Y	Y		yes

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22.085	Closed User Group (CUG) supplementary services; Stage 1						Y	Y		yes
22.086	Advice of Charge (AoC) supplementary services; Stage 1						Y	Y		yes
22.087	User-to-user signalling (UUS); Stage 1						Y	Y		yes
22.088	Call Barring (CB) supplementary services; Stage 1						Y	Y		yes
22.090	Unstructured Supplementary Service Data (USSD); Stage 1						Y	Y		yes
22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1						Y	Y		yes
22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1						Y	Y		yes
22.094	Follow Me service description - Stage 1						Y	Y		yes
22.096	Name identification supplementary services; Stage 1						Y	Y		yes
22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1						Y	Y		yes
22.100	UMTS Phase 1						Y			yes
22.101	Service aspects; Service principles						Y	Y	Y	yes
22.105	Services & service capabilities						Y	Y	Y	yes
22.112	USIM toolkit interpreter; Stage 1							w	Y	yes
22.115	Service Aspects Charging and billing						Y	Y	Y	yes
22.121	Service aspects; The Virtual Home Environment; Stage 1						Y	Y	Y	yes
22.127	Service Requirement for the Open Services Access (OSA); Stage 1							Y	Y	yes
22.129	Handover requirements between UTRAN and GERAN or other radio systems						Y	Y	Y	yes
22.135	Multicall; Service description; Stage 1						Y	Y		yes
22.140	Service aspects; Stage 1; Multimedia Messaging Service						Y	Y	Y	yes
22.141	Presence service; Stage 1								Y	yes
22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1								Y	yes
22.174	Push service; stage 1								Y	yes
22.21U	Virtual Home Environment									
22.226	Global text telephony; Stage 1: Service description								Y	yes
22.227	Service requirements for the Open Service Access (OSA)						w			
22.228	IP multimedia subsystem; Stage 1								Y	yes
22.233	Transparent end-to-end packet-switched streamng service; Service aspects; Stage 1								Y	yes
22.234	(reserved for future WLAN I/w stage 1)									
22.240	3GPP generic user profile requirements; Stage 1								Y	yes
22.242	Digital Rights Management (DRM); Stage 1									yes
22.243	Distributed speech recognition based automated voice services								Y	yes
22.24U	Charging and Accounting Mechanism									
22.25U	Quality of Service (QoS) and network performance									
22.29U	Handover Requirements between UMTS and GSM or other RadioSystems									
22.30U	Service requirements on security									
22.35U	Service requirements on numbering, addressing and identities									
22.40U	Charging, billing and accounting principles									
22.45U	Human Factors,service principles and their application to UMTS									
22.50U	Subscriber and service profile requirements									
22.55U	UMTS user identity modules									
22.60U	Mobile multimedia services including mobile Intranet and Internet services									
22.70U	Virtual Home Environment									
22.71U	Service aspects; Automatic Establishment of Roaming Relationships									
22.72U	Real Time Multimedia in UMTS									
22.75U	Service aspects; Advanced addressing									
22.80U	UMTS Relationship to other Standards									
22.907	Terminal concepts						w			
22.924	Charging and accounting mechanisms						w			
22.925	Quality of Service (QoS) and network						w			

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	performance									
22.928	IP-based multimedia services examples								Y	yes
22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking									yes
22.941	IP based multimedia framework; Stage 0								Y	yes
22.944	Service requirements for UE functionality split								Y	yes
22.945	Study of provision of fax service in GSM and UMTS						Y			yes
22.946	Broadcast and multicast services								w	
22.950	Priority service feasibility study									yes
22.960	Mobile multimedia services						w			
22.970	Virtual Home Environment Report						w			
22.971	Automatic establishment of roaming relationships						Y			yes
22.972	Circuit-switched multimedia						w			
22.975	Advanced addressing						Y			yes
22.976	Study on PS domain services and capabilities							w	Y	yes
23.002	Network Architecture						Y	Y	Y	yes
23.003	Numbering, Addressing and Identification						Y	Y	Y	yes
23.007	Restoration procedures						Y	Y		yes
23.008	Organisation of subscriber data						Y	Y		yes
23.009	Handover procedures						Y	Y	Y	yes
23.010	GSM Public Land Mobile Network (PLMN) Connection Types						w			
23.011	Technical realization of Supplementary Services						Y	Y		yes
23.012	Location management procedures						Y	Y		yes
23.014	Support of Dual Tone Multi Frequency (DTMF) signalling						Y	Y	Y	yes
23.015	Technical realisation of Operator Determined Barring (ODB)						Y	Y		yes
23.016	Subscriber data management; Stage 2						Y	Y		yes
23.018	Basic Call Handling; Technical realization						Y	Y	Y	yes
23.01U	UMTS Network principles									
23.022	Functions related to Mobile Station (MS) in idle mode and group receive mode						w			
23.032	Universal Geographical Area Description (GAD)						Y	Y		yes
23.034	High Speed Circuit Switched Data (HSCSD); Stage 2						Y	Y	Y	yes
23.038	Alphabets and language-specific information						Y	Y		yes
23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)						Y	Y		yes
23.040	Technical realization of Short Message Service (SMS)						Y	Y	Y	yes
23.041	Technical realization of Cell Broadcast Service (CBS)						Y	Y		yes
23.042	Compression algorithm for SMS						Y	Y		yes
23.043	Support of Videotex						w			
23.044	Support of Teletex						w			
23.045	Technical Realization of Facsimile Group 3 Service - transparent						w			
23.046	Technical realisation of facsimile Group 3 service - non-transparent						w			
23.048	Security Mechanisms for the (U)SIM application toolkit; Stage 2							Y	Y	yes
23.053	Tandem Free Operation (TFO); Service description; Stage 2							Y		yes
23.054	Shared Interworking Functions (SIWF); Stage 2						w			
23.057	Mobile Execution Environment (MExE); Functional description; Stage 2						Y	Y		yes
23.05U	UMTS Network principles									
23.060	General Packet Radio Service (GPRS) Service description; Stage 2						Y	Y	Y	yes
23.066	Support of GSM Mobile Number Portability (MNP) stage 2						Y	Y		yes
23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2						Y	Y		yes
23.069	Voice Broadcast service (VBS); Stage 2						w			
23.070	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)						w			
23.071	Location services (LCS) stage 2						w			
23.072	Call Deflection Supplementary Service; Stage 2						Y	Y		yes
23.073	Support of Localised Service Area (SoLSA);						Y	Y		yes

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	Stage 2									
23.078	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2						Y	Y	Y	yes
23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2						Y	Y		yes
23.081	Line Identification supplementary services; Stage 2						Y	Y		yes
23.082	Call Forwarding (CF) Supplementary Services; Stage 2						Y	Y		yes
23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2						Y	Y		yes
23.084	MultiParty (MPTY) Supplementary Service; Stage 2						Y	Y	Y	yes
23.085	Closed User Group (CUG) Supplementary Service; Stage 2						Y	Y		yes
23.086	Advice of Charge (AoC) Supplementary Service; Stage 2						Y	Y		yes
23.087	User-to-User Signalling (UUS) supplementary service; Stage 2						Y	Y		yes
23.088	Call Barring (CB) Supplementary Service; Stage 2						Y	Y		yes
23.090	Unstructured Supplementary Service Data (USSD); Stage 2						Y	Y		yes
23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2						Y	Y		yes
23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2						Y	Y		yes
23.094	Follow Me Stage 2						Y	Y		yes
23.096	Name Identification Supplementary Service; Stage 2						Y	Y		yes
23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2						Y	Y		yes
23.101	General UMTS Architecture						Y	Y		yes
23.107	Quality of Service (QoS) concept and architecture						Y	Y	Y	yes
23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)						Y	w		yes
23.10U	UMTS Access Stratum; Services and Functions									
23.110	UMTS Access Stratum Services and Functions						Y	Y		yes
23.116	Super-Charger technical realization; Stage 2						Y	Y		yes
23.119	Gateway Location Register (GLR); Stage2						Y	Y		yes
23.121	Architecture Requirements for release 99						Y		w	yes
23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode						Y	Y	Y	yes
23.127	Virtual Home Environment (VHE); Stage 2						Y	Y	Y	yes
23.135	Multicall supplementary service; Stage 2						Y	Y		yes
23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2						Y	Y	Y	yes
23.146	Technical realisation of facsimile Group 3 service - non-transparent							Y	Y	yes
23.153	Out of Band Transcoder Control; Stage 2							Y		yes
23.171	Functional stage 2 description of location services in UMTS						Y	w		yes
23.174	Push service; stage 2								Y	yes
23.178	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2								w	
23.205	Bearer-independent circuit-switched core network; Stage 2							Y	Y	yes
23.207	End to end quality of service concept and architecture							w	Y	yes
23.20U	Evolution of the GSM platform towards UMTS									
23.218	IP Multimedia (IM) session handling; IM call model								Y	yes
23.221	Architectural requirements							Y	Y	yes
23.226	Global text telephony; Stage 2: Architecture								Y	yes
23.227	Application and user interaction in the UE; Principles and specific requirements							Y	Y	yes
23.228	IP Multimedia Subsystem (IMS); Stage 2								Y	yes
23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes								Y	yes
23.240	3GPP generic user profile requirements; Stage 2; Architecture								Y	yes
23.241	3GPP generic user profile requirements; Stage 2;								Y	yes

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	Data description framework									
23.246	Multimedia Broadcast/Multicast Service (MBMS); Stage 2								w	
23.271	Functional stage 2 description of location services							Y	Y	yes
23.278	Customised Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2								Y	
23.40U	UMTS Network Aspects; Relationship with UPT									
23.50U	UMTS Network Aspects; IN and B-ISDN concepts in a UMTS environment									
23.60U	UMTS Network Aspects; UMTS data organization									
23.70U	UMTS Network Aspects; UMTS operations and procedures									
23.80U	UMTS Network Aspects; Signalling requirements for UMTS									
23.814	Separating RR and MM specific parts of the MS Classmark						Y	w		yes
23.815	Charging implications of IMS architecture								Y	yes
23.821	Architecture Principles for Release 2000							Y		yes
23.841	Presence service architecture								Y	yes
23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2								Y	yes
23.871	Enhanced support for user privacy in Location Services (LCS)								Y	yes
23.873	Feasibility study fro transport and control separation in the PS CN domain							Y		yes
23.874	Feasibility study of architecture for network requested PDP context activation with User-ID							Y		yes
23.875	Support of Push service								Y	yes
23.907	Quality of Service concept							Y		yes
23.908	Technical report on Pre-Paging						Y	Y		yes
23.909	Technical report on the Gateway Location Register						Y	Y		yes
23.90U	UMTS Network Aspects; Network performance requirements									
23.910	Circuit switched data bearer services						Y	Y	Y	yes
23.911	Technical report on Out-of-band transcoder control						Y	Y		yes
23.912	Technical report on Super-Charger						Y	Y		yes
23.913	UMTS Turbo-Charger							w		
23.915	Charging implications of IMS architecture								w	
23.920	Evolution of the GSM platform towards UMTS						w			
23.922	Architecture for an All IP network						w	w		
23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN						Y	w		yes
23.925	UMTS Core network based ATM transport						Y	Y		yes
23.927	VHE, Open Service Architecture (OSA)						w			
23.930	Iu Principles						Y	Y		yes
23.955	Virtual Home Environment (VHE) concepts								Y	yes
23.95U	UMTS Network Aspects; Network functions relevant to satellites									
23.960	Framework of network functions to support multimedia services						w			
23.972	Circuit Switched Multimedia Telephony						Y	w		yes
23.974	Support of push service								w	
24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration						Y	Y	Y	yes
24.004	Layer 1 - General Requirements							w		
24.007	Mobile radio interface signalling layer 3; General Aspects						Y	Y	Y	yes
24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3						Y	Y	Y	yes
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects						Y	Y		yes
24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface						Y	Y	Y	yes
24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface						w	w		
24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices						Y	Y	Y	yes
24.030	Location Services (LCS); Supplementary service operations; Stage 3						Y	Y		yes
24.04U	UMTS Interworking and internetworking signalling									

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	aspects; Interworking of UMTS with other systems									
24.05U	UMTS Interworking and internetworking signalling aspects; Interworking of UMTS with other systems									
24.065	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)						w			
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3						Y	Y		yes
24.068	Group Call Control (GCC) Protocol						w			
24.069	Broadcast Call Control (BCC) protocol						w			
24.072	Call Deflection Supplementary Service; Stage 3						Y	Y		yes
24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding						Y	Y		yes
24.081	Line Identification Supplementary Service; Stage 3						Y	Y		yes
24.082	Call Forwarding Supplementary Service; Stage 3						Y	Y		yes
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3						Y	Y		yes
24.084	MultiParty (MPTY) Supplementary Service; Stage 3						Y	Y		yes
24.085	Closed User Group (CUG) Supplementary Service; Stage 3						Y	Y		yes
24.086	Advice of Charge (AoC) Supplementary Service; Stage 3						Y	Y		yes
24.087	User-to-User Signalling (UUS); Stage 3						Y	Y		yes
24.088	Call Barring (CB) Supplementary Service; Stage 3						Y	Y		yes
24.090	Unstructured Supplementary Service Data (USSD); Stage 3						Y	Y		yes
24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3						Y	Y		yes
24.093	Call Completion to Busy Subscriber (CCBS); Stage 3						Y	Y		yes
24.094	Follow Me; Stage 3						w			
24.096	Name Identification Supplementary Service; Stage 3						Y	Y		yes
24.10U	UMTS Interworking and internetworking signalling aspects; Requirements for provision of UMTS services via satellite access							w		
24.135	Multicall supplementary service; Stage 3						Y	Y		yes
24.228	Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3								Y	yes
24.229	IP Multimedia Call Control Protocol based on SIP and SDP; stage 3								Y	yes
24.241	3GPP generic user profile requirements; Stage 3; Access; Common objects								Y	yes
24.946	reserved							w		
25.053	Tandem Free Operation (TFO); Service description; Stage 2						w			
25.05U	UMTS Radio Aspects; Multiplexing and multiple access									
25.101	UE Radio transmission and reception (FDD)						Y	Y	Y	yes
25.102	UTRA (UE) TDD; Radio transmission and reception						Y	Y		yes
25.103	RF parameters in support of RRM						w			
25.104	UTRA (BS) FDD; Radio transmission and reception						Y	Y	Y	yes
25.105	UTRA (BS) TDD: Radio transmission and reception						Y	Y		yes
25.106	UTRA Repeater; Radio transmission and reception							Y		yes
25.107	UTRA Repeater; Conformance testing							w		
25.10U	UMTS Radio Aspects; Channel coding									
25.113	Base station and repeater ElectroMagnetic Compatibility (EMC)						Y	Y		yes
25.123	Requirements for support of radio resource management (TDD)						Y	Y		yes
25.133	Requirements for support of radio resource management (FDD)						Y	Y	Y	yes
25.141	Base station conformance testing (FDD)						Y	Y	Y	yes
25.142	Base station conformance testing (TDD)						Y	Y		yes
25.143	UTRA Repeater; Conformance testing							Y		yes

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25.15U	UMTS Radio Aspects; Modulation									
25.201	Physical layer - general description						Y	Y		yes
25.20U	UMTS Radio Aspects; Transmission and reception									
25.211	Physical channels and mapping of transport channels onto physical channels (FDD)						Y	Y		yes
25.212	Multiplexing and channel coding (FDD)						Y	Y		yes
25.213	Spreading and modulation (FDD)						Y	Y		yes
25.214	Physical layer procedures (FDD)						Y	Y		yes
25.215	Physical layer; Measurements (FDD)						Y	Y		yes
25.221	Physical channels and mapping of transport channels onto physical channels (TDD)						Y	Y		yes
25.222	Multiplexing and channel coding (TDD)						Y	Y		yes
25.223	Spreading and modulation (TDD)						Y	Y		yes
25.224	Physical layer procedures (TDD)						Y	Y		yes
25.225	Physical layer; Measurements (TDD)						Y	Y		yes
25.301	Radio Interface Protocol Architecture						Y	Y		yes
25.302	Services provided by the physical layer						Y	Y		yes
25.303	Interlayer procedures in Connected Mode						Y	Y		yes
25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode						Y	Y		yes
25.305	Stage 2 functional specification of UE positioning in UTRAN						Y	Y	Y	yes
25.306	UE Radio Access capabilities definition						Y	Y		yes
25.307	Requirements on UEs supporting a release-independent frequency band						Y	Y		yes
25.308	UTRA High Speed Downlink Packet Access (HSPDA); Overall description; Stage 2								Y	yes
25.321	Medium Access Control (MAC) protocol specification						Y	Y		yes
25.322	Radio Link Control (RLC) protocol specification						Y	Y		yes
25.323	Packet Data Convergence Protocol (PDCP) specification						Y	Y		yes
25.324	Broadcast/Multicast Control (BMC)						Y	Y		yes
25.331	Radio Resource Control (RRC) protocol specification						Y	Y		yes
25.371	LMU signalling							w		
25.401	UTRAN Overall Description						Y	Y	Y	yes
25.402	Synchronisation in UTRAN Stage 2						Y	Y	Y	yes
25.410	UTRAN Iu Interface: General Aspects and Principles						Y	Y	Y	yes
25.411	UTRAN Iu interface Layer 1						Y	Y	Y	yes
25.412	UTRAN Iu interface signalling transport						Y	Y	Y	yes
25.413	UTRAN Iu interface RANAP signalling						Y	Y	Y	yes
25.414	UTRAN Iu interface data transport & transport signalling						Y	Y	Y	yes
25.415	UTRAN Iu interface user plane protocols						Y	Y	Y	yes
25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)						Y	Y	Y	yes
25.420	UTRAN Iur Interface: General Aspects and Principles						Y	Y	Y	yes
25.421	UTRAN Iur interface Layer 1						Y	Y	Y	yes
25.422	UTRAN Iur interface signalling transport						Y	Y	Y	yes
25.423	UTRAN Iur interface RNSAP signalling						Y	Y	Y	yes
25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams						Y	Y	Y	yes
25.425	UTRAN Iur interface user plane protocols for CCH data streams						Y	Y	Y	yes
25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams						Y	Y	Y	yes
25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams						Y	Y	Y	yes
25.430	UTRAN Iub Interface: General Aspects and Principles						Y	Y	Y	yes
25.431	UTRAN Iub interface Layer 1						Y	Y	Y	yes
25.432	UTRAN Iub interface signalling transport						Y	Y	Y	yes
25.433	UTRAN Iub interface NBAP signalling						Y	Y	Y	yes
25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams						Y	Y	Y	yes
25.435	UTRAN Iub interface user plane protocols for CCH data streams						Y	Y	Y	yes
25.442	UTRAN Implementation Specific O&M Transport						Y	Y	Y	yes
25.450	UTRAN Iupc interface general aspects and								Y	yes

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	principles									
25.451	UTRAN Iupc interface layer 1								Y	yes
25.452	UTRAN Iupc interface signalling transport								Y	yes
25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling								Y	yes
25.831	Study Items for future release						Y			yes
25.832	Manifestations of Handover and SRNS relocation						Y	Y		yes
25.833	Physical layer items not for inclusion in Release 99						Y			yes
25.834	UTRA TDD low chip rate option; Radio protocol aspects							Y		yes
25.835	Report on hybrid ARQ type II/III							w		
25.836	Node B synchronization for TDD							Y		yes
25.837	Hybrid ARQ Type II/III (Iub/Iur aspects)							Y		yes
25.838	Node B Synchronisation for TDD (Iub/Iur aspects)							Y		yes
25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)							Y		yes
25.840	Terminal power saving features							Y		yes
25.841	DSCH power control improvement in soft handover							Y		yes
25.842	Smart antenna							Y		yes
25.843	1,28 Mcps TDD UE Radio Access Capabilities							Y		yes
25.844	Radio acces bearer support enhancements							Y		yes
25.845	FDD RACH and AICH performance requirements							Y		yes
25.846	CPCH performance							w		
25.847	UE positioning enhancements							Y		yes
25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access							Y		yes
25.849	DSCH power control improvement in soft handover							Y		yes
25.850	UE positioning in UTRAN Iub/Iur protocol aspects							Y		yes
25.851	RAB Quality of Service Renegotiation over Iu							Y		yes
25.852	Radio access bearer support enhancements for the Iu							Y		yes
25.853	Delay budget within the access stratum						Y	Y		yes
25.854	Uplink Synchronous Transmission Scheme (USTS)								Y	yes
25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description								Y	yes
25.856	High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects								Y	yes
25.857	UE positioning enhancements								Y	yes
25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access								Y	yes
25.859	User Equipment positioning enhancements for 1,28 Mcps TDD								Y	yes
25.860	Radio acces bearer support enhancements								Y	yes
25.861	RNC - SMLC location protocol								Y	yes
25.867	Feasibility study for wideband distribution systems in 3rd generation networks								Y	yes
25.868	Node B synchronization for 1,28 Mcps, TDD								Y	yes
25.869	RAN WG1 report on Tx diversity solutions for multiple antennas								Y	yes
25.870	Enhancement on the DSCH Hard Split mode								Y	yes
25.875	NAS node selector function								Y	yes
25.876	Multiple-Input Multiple-Output Antenna Processing for HSDPA								Y	yes
25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects								Y	yes
25.878	RL Timing Adjustment								Y	yes
25.879	Separation of resource reservation and radio link activation								Y	yes
25.880	Traffic Termination Point Swapping								Y	yes
25.881	Improvement of Radio Resource Management across RNS and RNS/BSS								Y	yes
25.882	1,28 Mcps TDD option base station classification								Y	yes
25.883	Direct Transport Bearers Between SRNC and Node-B								Y	yes
25.884	Iur Neighbouring cell reporting efficiency optimisation								Y	yes
25.885	UMTS 1800 / 1900 MHz work items report								Y	yes
25.886	Ssmall technical enhancements and improvements work item								Y	yes

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25.887	Beamforming								Y	yes
25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD								Y	yes
25.889	Viable deployment of UTRA in additional and diverse spectrum arrangements; Feasibility study									yes
25.921	Guidelines and principles for protocol description and error handling						Y	Y		yes
25.922	Radio Resource Management Strategies						Y	Y		yes
25.923	Stage 2 Functional Specification of Location Services in UTRAN						w			
25.924	Opportunity Driven Multiple Access (ODMA)							w		
25.925	Radio Interface for Broadcast/Multicast Services						Y			yes
25.926	UE Radio Access capabilities definition						w			
25.928	1,28 Mcps functionality for UTRA TDD physical layer							Y		yes
25.931	UTRAN Functions, examples on signalling procedures						Y	Y	Y	yes
25.932	Delay budget within the access stratum							w		
25.933	IP Transport in UTRAN							w	Y	yes
25.934	AAL2 QoS optimization							Y		yes
25.935	RRM optimisation							Y		yes
25.936	Handover for realtime services from PS-domain							Y		yes
25.937	UTRAN TDD low chiprate							Y		yes
25.938	Terminal power saving features							w		
25.941	Document structure						Y			yes
25.942	RF system scenarios						Y	Y		yes
25.943	Deployment aspects							Y		yes
25.944	Channel coding and multiplexing examples						Y	Y		yes
25.945	RF requirements for low chip rate TDD option							Y		yes
25.946	RAB Quality of Service Negotiation over Iu							Y		yes
25.950	UTRA high speed downlink packet access							Y		yes
25.951	Base Station classification (FDD)							w	Y	yes
25.952	Base Station classification (TDD)							w	Y	yes
25.953	TrFO/TFO							Y		yes
25.954	Migration to modification procedure							Y		yes
25.956	UTRA repeater: Planning guidelines and system analysis							Y		yes
25.990	Vocabulary for UTRAN						Y			yes
25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment								Y	yes
26.071	AMR speech Codec; General description						Y	Y		yes
26.073	AMR speech Codec; C-source code						Y	Y		yes
26.074	AMR speech Codec; Test sequences						Y	Y		yes
26.075	AMR speech Codec; Performance Charaterization of the GSM AMR Speech Codec						w			
26.077	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder							Y		yes
26.078	Results of the AMR noise suppression selection phase							w		
26.090	AMR speech Codec; Transcoding Functions						Y	Y		yes
26.091	AMR speech Codec; Error concealment of lost frames						Y	Y		yes
26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels						Y	Y		yes
26.093	AMR speech Codec; Source Controlled Rate operation						Y	Y		yes
26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels						Y	Y		yes
26.101	AMR speech Codec; Frame Structure						Y	Y		yes
26.102	AMR speech Codec; Interface to Iu and Uu						Y	Y		yes
26.103	Codec lists						Y	Y	Y	yes
26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec						Y	Y		yes
26.110	Codec for circuit switched multimedia telephony service; General description						Y	Y		yes
26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324						Y	Y		yes
26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements						w			
26.115	Echo control for speech and multi-media services						w	Y	Y	yes
26.121	Technical Specification for Tandem Free						w			

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	Operation within 3G networks									
26.122	Technical Specification for Tandem Free Operation between 3G and 2G networks						w			
26.131	Terminal acoustic characteristics for telephony; Requirements						Y	Y	Y	yes
26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification						Y	Y	Y	yes
26.133	Wide band speech telephony terminal acoustic characteristics						w			
26.134	Wide band speech telephony terminal acoustic test specification						w			
26.135	Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony						w			
26.136	Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony						w			
26.137	Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony						w			
26.138	Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony						w			
26.140	Multimedia Messaging Service (MMS); Media formats and codes								Y	yes
26.15U	Source coding aspects Aspects; Integration of audio visual coding into UMTS									
26.171	AMR speech codec, wideband; General description								Y	yes
26.173	ANSI-C code for the Adaptive Multi Rate (AMR) Wideband speech codec								Y	yes
26.174	AMR speech codec, wideband; Test sequences								Y	yes
26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions								Y	yes
26.191	AMR speech codec, wideband; Error concealment of lost frames								Y	yes
26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects								Y	yes
26.193	AMR speech codec, wideband; Source Controlled Rate operation								Y	yes
26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)								Y	yes
26.201	AMR speech codec, wideband; Frame structure								Y	yes
26.202	AMR speech codec, wideband; Interface to Iu and Uu								Y	yes
26.204	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) wideband speech codec								Y	yes
26.226	Global text telephony;Transport of text in the voice channel							w	Y	yes
26.230	Global text telephony; Cellular text telephone modem transmitter C-code description							w	Y	yes
26.231	Global text telephony; Cellular text telephone modem minimum performance requirements								Y	yes
26.233	End-to-end transparent streaming service; General description							Y		yes
26.234	End-to-end transparent streaming service; Protocols and codecs							Y		yes
26.235	Packet switched conversational multimedia applications; Default codecs							w	Y	yes
26.236	Packet switched conversational multimedia applications; Transport protocols								Y	yes
26.901	AMR wideband speech codec; Feasibility study report							Y		yes
26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide						Y	Y		yes
26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G						Y	Y		yes
26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G						w	w		
26.915	Echo Control For Speech and Multi-Media Services						Y			yes
26.920	Architectural Model for the 3G Transcoders							w		
26.937	Transparent end-to-end packet switched streaming service (PSS); RTP usage model								Y	yes

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26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec						Y	Y		yes
26.976	Results of the AMR wideband (AMR-W) selection phase								Y	yes
26.978	Results of the AMR noise suppression selection phase							Y		yes
27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)						Y	Y	Y	yes
27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities						Y	Y	Y	yes
27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities						Y	Y	Y	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)						Y	Y		yes
27.007	AT command set for 3G User Equipment (UE)						Y	Y	Y	yes
27.00U	Principles for handling of data services in the UMTS									
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol						Y	Y		yes
27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services						Y	Y	Y	yes
27.103	Wide Area Network Synchronization						Y	Y		yes
27.104	vObjects and other constructs for data synchronization								Y	yes
27.226	Global Text telephony;Terminal aspects								w	
27.241	3GPP generic user profile requirements; Stage 3; Access; Common objects								Y	yes
27.901	Report on Terminal Interfaces - An Overview						Y	Y		yes
27.903	Discussion of synchronization standards						Y	Y		yes
28.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							w		
28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3						w	Y		yes
29.002	Mobile Application Part (MAP) specification						Y	Y	Y	yes
29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)						w			
29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access						w			
29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services						w			
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)						Y	Y	Y	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)						Y	Y		yes
29.011	Signalling Interworking for Supplementary Services						Y	Y		yes
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols						Y	Y		yes
29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification						Y	Y	Y	yes
29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification						Y	Y	Y	yes
29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface						Y	Y	Y	yes
29.061	Interworking between the Public Land Mobile Network (PLMN) supporting Packet Based services and Packet Data Networks (PDN)						Y	Y	Y	yes
29.078	Customised Applications for Mobile network						Y	Y	Y	yes

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	Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification									
29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface						Y	Y	Y	yes
29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)						Y	Y		yes
29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3						Y	Y		yes
29.162	Interworking between the IM CN subsystem and IP networks								Y	yes
29.163	Interworking between the IM CN subsystem and CS networks								Y	yes
29.198	Open Service Architecture (OSI) Application Programming Interface (API) - Part 1						Y			yes
29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview							Y	Y	yes
29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data							Y	Y	yes
29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework							Y	Y	yes
29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control							Y	Y	yes
29.198-05	Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction							Y	Y	yes
29.198-06	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility							Y	Y	yes
29.198-07	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities							Y	Y	yes
29.198-08	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control							Y	Y	yes
29.198-09	Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF								w	
29.198-10	Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF								w	
29.198-11	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management							Y	Y	yes
29.198-12	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging							Y	Y	yes
29.198-13	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy Management SCF								Y	yes
29.198-14	Open Service Access (OSA) Application Programming Interface (API); Part 13: Presence and Availability Management (PAM)								Y	yes
29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3							Y		yes
29.203	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)								w	
29.205	Application of Q.1900 series to bearer-independent circuit-switched core network architecture; Stage 3							Y		yes
29.207	End to end Quality of Service (QoS); stage 3								Y	yes
29.208	End to end Quality of Service (QoS) signalling flows								Y	yes
29.226	reserved								Y	yes
29.228	IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents								Y	yes
29.229	Cx Interface based on the Diameter protocol; Protocol details								Y	yes
29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3							Y	Y	yes
29.240	3GPP generic user profile requirements; Stage 3; Network								Y	yes
29.414	Core network Nb data transport and transport signalling							Y	Y	yes
29.415	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL							Y	Y	yes

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	Application Part (CAP) specification									
29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)								Y	yes
29.998	Open Services Architecture API part 2						Y			yes
29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping							Y	Y	yes
29.998-04-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping							Y	Y	yes
29.998-04-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2: INAP								w	
29.998-04-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 3: MEGACO mapping								Y	
29.998-04-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 4:Call Control Service Mapping; Subpart 4: Multiparty Call Control SIP								Y	yes
29.998-05-1	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping							Y	Y	yes
29.998-05-2	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2: INAP mapping								Y	yes
29.998-05-3	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3: MEGACO mapping								Y	yes
29.998-05-4	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping							Y	Y	yes
29.998-06	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location and User Status Service Mapping to MAP							Y	Y	yes
29.998-08	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP							Y	Y	yes
30.002	Guidelines for the modification of the Mobile Application Part (MAP)							w		
30.00U	SMG - UMTS Work programme									
30.01U	UMTS Baseline document: Collection of the SMG's positions on the UMTS									
30.02U	Experience from GSM standardisation to be applied at UMTS standardisation									
30.03U	Selection procedures for the choice of radio transmission technologies of the UMTS									
30.04U	Definition of the limited number of UTRA concepts									
30.05U	UMTS terminology									
30.06U	UTRA Concept Evaluation Reports									
30.20U	Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS									
30.504	Work Plan and Study Items - RAN WG4							Y		yes
30.531	Work Plan and Study Items - RAN WG3						Y			yes
30.801	Overall Project Plan							w		
30.802	Project plan on Bearer Services and QoS							w		
30.804	Project plan on GSM/UMTS Interoperation and Mobility Management							w		
30.806	Project plan on Location based services							w		
30.808	Project plan on Packet Architecture and Circuit Architecture							w		

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30.810	Project plan on Security							w		
30.812	Project plan on Services and Service platforms							w		
31.101	UICC-terminal interface; Physical and logical characteristics						Y	Y		yes
31.102	Characteristics of the USIM Application						Y	Y		yes
31.110	Numbering system for telecommunication IC card applications						Y	Y		yes
31.111	USIM Application Toolkit (USAT)						Y	Y		yes
31.112	USAT Interpreter Architecture Description; Stage 2								Y	yes
31.113	USAT interpreter byte codes								Y	yes
31.114	USAT interpreter protocol and administration								Y	yes
31.120	UICC-terminal interface; Physical, electrical and logical test specification						Y	Y		yes
31.121	UICC-terminal interface; USIM application test specification						Y	Y		yes
31.122	USIM conformance test specification						Y	Y		yes
31.131	C-language binding for (U)SIM API								Y	yes
31.900	SIM/USIM internal and external interworking aspects						Y			yes
32.005	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain						Y			yes
32.008	Subscriber and Equipment trace						w			
32.015	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain						Y			yes
32.01U	Overall principles of the OAM for the UMTS									
32.101	3G Telecom Management principles and high level requirements						Y	Y		yes
32.102	3G Telecom Management Architecture						Y	Y		yes
32.104	3G Performance Management						Y	w		yes
32.105	3G charging and billing; Stage 2 description							w		
32.106	3G Configuration Management						w			
32.106-1	Telecommunication management; Configuration Management; Part 1: 3G configuration management; Concept and requirements						Y	w		yes
32.106-2	Telecommunication management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1						Y	w		yes
32.106-3	Telecommunication management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1						Y	w		yes
32.106-4	Telecommunication management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1						Y	w		yes
32.106-5	Telecommunication management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1						Y	w		yes
32.106-6	Telecommunication management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1						Y	w		yes
32.106-7	Telecommunication management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1						Y	w		yes
32.106-8	Telecommunication management; Configuration Management; Part 8: Name convention for Managed Objects						Y	w		yes
32.108	Telecommunication management; Subscriber and equipment trace								Y	yes
32.111	3G Fault Management						w	w		
32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements						Y	Y		yes
32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service						Y	Y		yes
32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1						Y	Y		yes
32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set						Y	Y		yes

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32.112	Telecommunication management; Fault Management; Alarm Integration Reference Point: Information Service								Y	yes
32.112-1	Telecommunication management; Generic IRP management; Part 1: Requirements							w		
32.112-2	Telecommunication management; Generic IRP management; Part 2: Information service							w		
32.113	Telecommunication management; Fault Management; Alarm Integration Reference Point: CORBA solution set version 1:1								Y	yes
32.114	Telecommunication management; Fault Management; Alarm Integration Reference Point: CMIP solution set								Y	yes
32.140	Telecommunication management; 3G Service Management Requirements & Framework							w	Y	yes
32.200	Telecommunication management; Charging management; Charging principles							Y		yes
32.205	Telecommunication management; Charging management; 3G charging data description for the CS domain							Y		yes
32.215	Telecommunications management; Charging management; Charging data description for the Packet Switched (PS) domain							Y		yes
32.225	Telecommunications management; Charging management; Charging data description for the IMS domain								Y	yes
32.235	Telecommunication management; Charging management; Charging data description for application services							Y		yes
32.300	Telecommunication management; 3G configuration management; Name convention for Managed Objects							Y		yes
32.301	Telecommunication management; Configuration Management; Notification IRP: requirements							Y		yes
32.301-1	Telecommunication management; Configuration Management; Notification IRP: requirements							w		
32.301-2	Telecommunication management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1							w		
32.301-3	Telecommunication management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1							w		
32.301-4	Telecommunication management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1							w		
32.302	Telecommunication management; Configuration Management; Notification Integration Reference Point; Information Service version 1							Y	Y	yes
32.303	Telecommunication management; Configuration Management; Notification Integration Reference Point; CORBA solution set version 1:1							Y		yes
32.304	Telecommunication management; Configuration Management; Notification Integration Reference Point: CMIP Solution Set Version 1:1							Y	Y	yes
32.311	Telecommunication management; Generic IRP management; Requirements							Y		yes
32.312	Telecommunication management; Generic IRP management; Information service							Y		yes
32.312-1	Telecommunication management; Generic IRP management; Requirements							w		
32.312-2	Telecommunication management; Generic IRP management; Information service								w	
32.321	Telecommunication management; Test management IRP; Requirements								Y	yes
32.322	Telecommunication management; Test management IRP; Information service								Y	yes
32.323	Telecommunication management; Test management IRP; Corba solution set									yes
32.324	Telecommunication management; Test management IRP; CMIP solution set								Y	yes
32.401	Telecommunication management; Performance Management (PM); Concept and requirements							Y		yes
32.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM							w		

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32.403	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM							Y		yes
32.600	Telecommunication management; Configuration Management; 3G configuration management; Concept and main requirements							Y		yes
32.601	Telecommunication management; Configuration Management; Basic CM IRP: requirements							Y		yes
32.601-1	Telecommunication management; Configuration Management; Part 1: Basic CM IRP: requirements							w		
32.601-2	Telecommunication management; Configuration Management; Part 2: Basic configuration management IRP information model							w		
32.601-3	Telecommunication management; Configuration Management; Part 3: Basic configuration management IRP: CORBA solution set							w		
32.601-4	Telecommunication management; Configuration Management; Part 4: Basic configuration management IRP CMIP solution set							w		
32.602	Telecommunication management; Configuration Management; Basic configuration management IRP information model							Y		yes
32.602-1	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements							w		
32.602-2	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service							w		
32.602-3	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set							w		
32.602-4	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set							w		
32.602-5	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition							w		
32.603	Telecommunication management; Configuration Management; Basic configuration management IRP: CORBA solution set							Y		yes
32.604	Telecommunication management; Configuration Management; Basic configuration management IRP CMIP solution set							Y		yes
32.611	Telecommunication management; Configuration management; 3G configuration management: Bulk CM IRP requirements							Y		yes
32.612	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: Information service							Y		yes
32.613	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CORBA solution set							Y		yes
32.614	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: CMIP solution set							Y		yes
32.615	Telecommunication management; Configuration management; 3G configuration management: Bulk configuration management IRP: XML file format definition							Y		yes
32.620-1	Telecommunication management; Configuration Management; Part 1: Generic network resources IRP: requirements							w		
32.620-2	Telecommunication management; Configuration Management; Part 2: Generic network resources IRP: NRM							w		
32.620-3	Telecommunication management; Configuration Management; Part 3: Generic network resources							w		

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	IRP: CORBA solution set									
32.620-4	Telecommunication management; Configuration Management; Part 4: Generic network resources: IRP CMIP solution set							w		
32.621	Telecommunication management; Configuration Management; Generic network resources IRP: requirements							Y		yes
32.621-1	Telecommunication management; Configuration Management; Part 1: Core network resources IRP: requirements							w		
32.621-2	Telecommunication management; Configuration Management; Core Network Resources IRP: NRM							w		
32.621-3	Telecommunication management; Configuration Management; Part 3: Core network resources IRP: CORBA solution set							w		
32.621-4	Telecommunication management; Configuration Management; Part 4: Core network resources IRP: CMIP solution set							w		
32.622	Telecommunication management; Configuration Management; Generic network resources IRP: NRM							Y		yes
32.622-1	Telecommunication management; Configuration Management; Part 1: UTRAN network resources IRP: requirements							w		
32.622-2	Telecommunication management; Configuration Management; Part 2: UTRAN network resources IRP: NRM							w		
32.622-3	Telecommunication management; Configuration Management; Part 3: UTRAN network resources IRP: CORBA solution set							w		
32.622-4	Telecommunication management; Configuration Management; Part 4: UTRAN network resources IRP: CMIP solution set							w		
32.623	Telecommunication management; Configuration Management; Generic network resources IRP: CORBA solution set							Y		yes
32.623-1	Telecommunication management; Configuration Management; Part 1: GERAN network resources IRP: requirements							w		
32.623-2	Telecommunication management; Configuration Management; Part 2: GERAN network resources IRP: NRM							w		
32.623-3	Telecommunication management; Configuration Management; Part 3: GERAN network resources IRP: CORBA solution set							w		
32.623-4	Telecommunication management; Configuration Management; Part 4: GERAN network resources IRP: CMIP solution set							w		
32.624	Telecommunication management; Configuration Management; Generic network resources: IRP CMIP solution set							Y		yes
32.625	Telecommunication management; 3G Configuration Management; Generic network resources IRP: Bulk CM XML file format definition								Y	yes
32.631	Telecommunication management; Configuration Management; Core network resources IRP: requirements							Y		yes
32.632	Telecommunication management; Configuration Management; Core Network Resources IRP: NRM							Y		yes
32.633	Telecommunication management; Configuration Management; Core network resources IRP: CORBA solution set							Y		yes
32.634	Telecommunication management; Configuration Management; Core network resources IRP: CMIP solution set							Y		yes
32.641	Telecommunication management; Configuration Management; UTRAN network resources IRP: requirements							Y		yes
32.642	Telecommunication management; Configuration Management; UTRAN network resources IRP: NRM							Y		yes
32.643	Telecommunication management; Configuration Management; UTRAN network resources IRP:							Y		yes

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	CORBA solution set									
32.644	Telecommunication management; Configuration Management; UTRAN network resources IRP: CMIP solution set							Y		yes
32.645	Telecommunication management; 3G Configuration Management; UTRAN network resources IRP: Bulk CM XML file format definition								Y	yes
32.651	Telecommunication management; Configuration Management; GERAN network resources IRP: requirements							Y		yes
32.652	Telecommunication management; Configuration Management; GERAN network resources IRP: NRM							Y		yes
32.653	Telecommunication management; Configuration Management; GERAN network resources IRP: CORBA solution set							Y		yes
32.654	Telecommunication management; Configuration Management; GERAN network resources IRP: CMIP solution set							Y		yes
32.655	Telecommunication management; 3G Configuration Management; GERAN network resources IRP: Bulk CM XML file format definition								Y	yes
32.661	Telecommunication management; 3G configuration management; Kernel CM requirements								Y	yes
32.662	Telecommunication management; 3G configuration management; Kernel CM information service								Y	yes
32.663	Telecommunication management; 3G configuration management; Kernel CM CORBA solution set								Y	yes
32.664	Telecommunication management; 3G configuration management; Kernel CM CMIP solution set								Y	yes
32.671	Telecommunication management; 3G Configuration Management; State Management IRP: Requirements								Y	yes
32.672	Telecommunication management; 3G Configuration Management; State Management IRP: Information service								Y	yes
32.673	Telecommunication management; 3G Configuration Management; State Management IRP: CORBA Solution set								Y	yes
32.674	Telecommunication management; 3G Configuration Management; State Management IRP: CMIP Solution set								Y	yes
32.800	Management level procedures and interaction with UTRAN							Y		yes
32.801	Performance management								w	
32.802	Telecommunication management; User Equipment (UE) management feasibility study								Y	yes
33.102	3G security; Security architecture						Y	Y		yes
33.103	3G security; Integration guidelines						Y	Y		yes
33.105	Cryptographic Algorithm requirements						Y	Y		yes
33.106	Lawful interception requirements						Y	Y	Y	yes
33.107	3G security; Lawful interception architecture and functions						Y	Y	Y	yes
33.108	Handover interface for Lawful Interception								Y	yes
33.120	Security Objectives and Principles						Y	Y		yes
33.200	Network Domain Security - MAP							Y		yes
33.201	Access domain security								Y	yes
33.203	Access security for IP based services								Y	yes
33.20U	Security principles for the UMTS									
33.210	Network Domain Security - IP								Y	yes
33.21U	Security requirements									
33.800	Principles for Network Domain Security							Y	Y	yes
33.900	Guide to 3G security						w	w	Y	yes
33.901	Criteria for cryptographic Algorithm design process						Y	Y		yes
33.902	Formal Analysis of the 3G Authentication Protocol						Y	Y		yes
33.903	Access Security for IP based services							Y	Y	yes
33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms							Y		yes
33.908	3G Security; General report on the design,						Y	Y		yes

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	specification and evaluation of 3GPP standard confidentiality and integrity algorithms									
33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions						w	Y		yes
34.108	Common test environments for User Equipment (UE) conformance testing						Y	Y		yes
34.109	Terminal logical test interface; Special conformance testing functions						Y	Y		yes
34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)						Y	Y		yes
34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)						Y	Y		yes
34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification						Y	Y		yes
34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification						Y	Y		yes
34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)						Y	Y		yes
34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment						Y	Y		yes
34.907	Report on electrical safety requirements and regulations						Y			yes
34.910	Identification of test requirements for regulatory purposes in different regions/countries							Y		yes
34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions						Y			yes
34.926	Table of international EMC requirements							Y		yes
35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications						Y	Y		yes
35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification						Y	Y		yes
35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data						Y	Y		yes
35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data						Y	Y		yes
35.205	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 1: General						w	Y		yes
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						w	Y		yes
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						w	Y		yes
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						w	Y		yes
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						w			
35.909	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							Y		yes
41.001	GSM Specification set							w		
41.031	Fraud Information Gathering System (FIGS);							Y		yes

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	Service requirements; Stage 0									
41.033	Lawful Interception requirements for GSM							Y		yes
41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements							Y		yes
41.102	GSM Release 4 specifications							Y		yes
41.103	GSM Release 5 specifications								Y	yes
41.104	GSM Release 6 specifications									yes
42.009	Security Aspects							Y		yes
42.017	Subscriber Identity Module (SIM); Functional characteristics							Y		yes
42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1							Y	Y	yes
42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1							Y		yes
42.032	Immediate Service Termination (IST); Service description; Stage 1							Y		yes
42.033	Lawful Interception; Stage 1							Y		yes
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1							Y		yes
42.048	Security mechanisms for the SIM Application Toolkit; Stage 1							w		
42.053	Tandem Free Operation (TFO); Service description; Stage 1							w		
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1							Y		yes
42.068	Voice Group Call Service (VGCS); Stage 1							Y		yes
42.069	Voice Broadcast Service (VBS); Stage 1							Y		yes
43.005	Technical performance objectives							Y		yes
43.010	GSM Public Land Mobile Network (PLMN) connection types							Y	Y	yes
43.013	Discontinuous Reception (DRX) in the GSM system							Y		yes
43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2							Y	Y	yes
43.020	Security-related network functions							Y		yes
43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode							Y		yes
43.026	Multiband operation of GSM / DCS 1800 by a single operator							Y		yes
43.030	Radio network planning aspects							Y		yes
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2							Y		yes
43.033	Lawful Interception; Stage 2							Y		yes
43.035	Immediate Service Termination (IST); Stage 2							Y		yes
43.045	Technical Realization of Facsimile Group 3 Service - transparent							Y	Y	yes
43.046	Technical Realization of Facsimile Group 3 Service - non transparent							w		
43.048	Security Mechanisms for SIM Toolkit Application; Stage 2							w		
43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System							Y	Y	yes
43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2							w	Y	yes
43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2							Y		yes
43.055	Dual Transfer Mode (DTM); Stage 2							Y		yes
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)							Y		yes
43.059	Functional stage 2 description of Location Services (LCS) in GERAN							Y	Y	yes
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2							w		
43.064	Overall description of the GPRS radio interface; Stage 2							Y		yes
43.068	Voice Group Call Service (VGCS); Stage 2							Y	Y	yes
43.069	Voice Broadcast service (VBS); Stage 2							Y	Y	yes
43.071	Location services (LCS); Stage 2							w		
43.900	Support for voice optimization for the IMS in the GERAN								Y	yes active
43.930	Iur-g interface; Stage 2									yes
44.001	Mobile Station - Base Station System (MS - BSS)							Y	Y	yes

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	Interface General Aspects and Principles									
44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities							Y		yes
44.004	Layer 1 - General Requirements							Y	Y	yes
44.005	Data Link (DL) Layer General Aspects							Y		yes
44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification							Y		yes
44.008	Mobile radio interface layer 3 specification							Y		yes
44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface							Y		yes
44.013	Performance Requirements on Mobile Radio Interface							Y	Y	yes
44.014	Individual equipment type requirements and interworking; Special conformance testing functions							Y		yes
44.018	Mobile radio interface layer 3 specification; Radio Resource Control Protocol							Y	Y	yes
44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface							Y	Y	yes
44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)							Y	Y	yes
44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods							Y		yes
44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification							Y	Y	yes
44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification							Y	Y	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							Y	Y	yes
44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3							w		
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification							Y	Y	yes
44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)							Y	Y	yes
44.068	Group Call Control (GCC) Protocol							Y	Y	yes
44.069	Broadcast Call Control (BCC) protocol							Y	Y	yes
44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification							Y		yes
44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol Iu mode								Y	yes
44.160	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol for Iu mode								w	yes
44.901	External network assisted cell change (NACC)								Y	yes
45.001	Physical Layer on the Radio Path (General Description)							Y	Y	yes
45.002	Multiplexing and Multiple Access on the Radio Path							Y	Y	yes
45.003	Channel coding							Y	Y	yes
45.004	Modulation							Y	Y	yes
45.005	Radio transmission and reception							Y	Y	yes
45.008	Radio subsystem link control							Y	Y	yes
45.009	Link adaptation							Y	Y	yes
45.010	Radio subsystem synchronization							Y		yes
45.022	Radio link management in hierarchical networks							Y		yes
45.050	Background for RF Requirements							Y		yes
45.056	CTS-FP Radio Sub-system							Y		yes
46.001	Full Rate Speech Processing Functions							Y		yes
46.002	Half Rate Speech Processing Functions							Y		yes
46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec							Y		yes
46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec							Y		yes

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46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec							Y		yes
46.010	Full-rate speech transcoding							Y		yes
46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels							Y		yes
46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels							Y		yes
46.020	Half Rate Speech Transcoding							Y		yes
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels							Y		yes
46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels							Y		yes
46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels							Y		yes
46.032	Voice Activity Detection (VAD)							Y		yes
46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels							Y		yes
46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels							Y		yes
46.051	GSM Enhanced full rate speech processing functions: General description							Y		yes
46.053	ANSI-C code for the GSM Enhanced full rate speech codec							Y		yes
46.054	Test sequences for the GSM Enhanced Full Rate (EFR)							Y		yes
46.055	Performance characterisation of the GSM EFR Speech Codec							Y		yes
46.060	Enhanced full rate speech transcoding							Y		yes
46.061	Substitution and muting of lost frames for encanced full rate speech traffic channels							Y		yes
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels							Y		yes
46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report							Y		yes
46.081	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels							Y		yes
46.082	Voice Activity Detection (VAD) for encanced full rate speech traffic channels							Y		yes
46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation							Y		yes
48.001	General Aspects on the BSS-MSC Interface							Y		yes
48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles							Y	Y	yes
48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification							Y		yes
48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface							Y		yes
48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification							Y	Y	yes
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1							Y		yes
48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service							Y	Y	yes
48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol							Y	Y	yes
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							Y	Y	yes
48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification							Y		yes
48.051	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects							Y		yes
48.052	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles							Y		yes
48.054	BSC-BTS : Layer 1 Structure of Physical Circuits							Y		yes
48.056	BSC-BTS Layer 2 Specification							Y		yes
48.058	Base Station Controler - Base Transceiver Station							Y	Y	yes

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	(BCS-BTS) Interface Layer 3 Specification									
48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels							Y		yes
48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels							Y		yes
48.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3							w		
48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification							Y		yes
49.001	General Network Interworking Scenarios							Y		yes
49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface							Y	Y	yes
49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)							Y	Y	yes
50.043	Support of Localised Service Area (SoLSA); Work Item Status							w		yes
50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1							w		
50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE							Y		yes
50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;							w		yes
50.099	GERAN project plan and open issues							w	Y	yes
51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification							Y		yes
51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification							Y		yes
51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)							Y		yes
51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification							Y		yes
51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface							Y	Y	yes
51.013	Test specification for SIM API for Java card							Y		yes
51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit							w		
51.021	GSM radio aspects base station system equipment specification							Y		yes
51.026	GSM Repeater Equipment Specification							Y		yes
52.071	Location Services (LCS); Location services management							w		
52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM							Y		yes