

**3GPP TSG-CN
3GPP TSG-RAN
3GPP TSG-T
3GPP TSG-SA
Meeting #25, Palm Springs CA, USA, September 2004**

***Tdoc NP-040319
Tdoc RP-040352
Tdoc TP-040153
Tdoc SP-040606***

Source: **MCC**
 <mailto:john.meredith@etsi.org>

Title: **Specs lists per Release; a comparison**

Document for: **discussion**

The following table shows a comparison of the specs which exist in each Release of the 3GPP systems (GERAN-based and UTRAN-based). The Support Team recommends that, at the time Release 6 is functionally frozen, the specs highlighted in yellow be upgraded with no technical change to version 6.0.0. Delegates are reminded that, in order to maintain integrity of referencing, a spec which is valid in a given Release must exist in that Release. Any spec which is referenced from any other spec in a given Release must have a version pertaining to that Release. Delegates are also reminded that an explicit decision of the responsible TSG is required for the upgrade to happen. (Once that decision is taken, the upgrade is handled by the Support Team, and requires no CR, since no technical changes are introduced.)

In addition, a few specs which were not upgraded in earlier Releases are highlighted; the TSGs are asked to consider that these too be upgraded.

(The table is copied from the 3GPP web site page <http://www.3gpp.org/ftp/Specs/html-info/SpecReleaseMatrix.htm> which is regularly updated.)

For the convenience of TSGs and WGs, a version of the table in Excel is also included. This version can be filtered by WG, so that the specs belonging to each WG can be easily identified and individually considered as candidates for upgrade to Rel-6.

	Telecommunications System (UMTS); System requirements <i>spec withdrawn</i>															
01.04	Abbreviations and acronyms	GP	3.0.1				4.1.2	5.0.2	6.0.0	7.0.0	8.0.0					
01.04U	Scenarios and considerations for the introduction of the Universal Mobile Telecommunications System (UMTS) <i>spec withdrawn</i>	-				3.0.0										
01.05U	System design methodology for the UMTS <i>spec withdrawn</i>	SMG5				1.0.0										
01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	S3						5.0.0		7.0.1	8.0.0					
01.33	Lawful Interception requirements for GSM	S3								7.0.0	8.0.0					
01.48	ISDN-based DECT/GSM interworking; Feasibility study	S1						5.0.1	6.0.1							
01.50	Radio Local Loop (RLL) using GSM <i>spec withdrawn</i>	SMG1						1.0.0								
01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements	S1								7.0.0	8.0.0					
01.60	GPRS requirements	S1							6.0.0							
01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3						5.0.0	6.0.1	7.0.0	8.0.0					
02.01	Principles of telecommunication services supported by a GSM Public Land Mobile Network (PLMN)	S1	3.2.0				4.6.0	5.5.0	6.2.0	7.1.0	8.2.1					
02.01U	Framework for services to be supported by UMTS <i>spec withdrawn</i>	-				3.0.0										
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	S1	3.2.0				4.2.2	5.3.2	6.1.1	7.0.2	8.0.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	S1	3.4.1				4.3.1	5.3.2	6.0.0	7.0.0	8.0.0					
02.04	General on Supplementary Services	S1	3.7.1				4.9.1	5.7.4	6.1.1	7.1.2	8.1.0					
02.05	Simultaneous and Alternate Use of Services <i>spec withdrawn</i>	-	3.0.2													
02.06	Types of Mobile	S1	3.2.0				4.5.2	5.2.1	6.1.1	7.0.1						

	Stations (MS)															
02.06dcs	Types of Mobile Stations (MS) - DCS 1800	S1														
02.07	Mobile Station (MS) Features	S1	3.4.1				4.8.2	5.4.1	6.2.0	7.1.0	8.1.0					
02.08	Quality of Service (QoS) / GSM system performance <i>spec withdrawn</i>	-	3.0.1				4.0.0									
02.09	Security aspects	S3	3.1.0				4.5.1	5.2.1	6.1.1	7.1.1	8.0.1					
02.11	Service accessibility	S1	3.7.0				4.9.0	5.0.1	6.1.0	7.1.0						
02.11dcs	Service accessibility (DCS 1800)	S1														
02.16	International Mobile Station Equipment Identities (IMEI)	S1	3.0.1				4.7.1	5.2.0	6.2.0	7.2.0						
02.17	Subscriber Identity Module (SIM); Functional characteristics	T3	3.2.0				4.3.3	5.1.1	6.0.0	7.1.1	8.0.0					
02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	T3								7.1.0	8.0.0					
02.20	Collection charges	S1	3.0.1													
02.21	Transferred account procedure and billing information <i>spec withdrawn</i>	S2	3.4.0													
02.22	Stage 1 for personalisation of GSM ME	S1						5.4.0	6.0.0	7.0.0						
02.24	Description of Charge Advice Information (CAI)	S1					4.5.0	5.0.1	6.0.1	7.0.1						
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	S1	3.9.0				4.13.0	5.7.1	6.1.0	7.1.1						
02.31	Fraud Information Gathering System (FIGS); Service description; Stage 1	S3						5.0.0		7.1.1	8.0.1					
02.32	Immediate Service Termination (IST); Service description; Stage 1	S3								7.1.1	8.0.1					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
02.33	Lawful Interception (LI); Stage 1	S3						5.0.0		7.3.0	8.0.1					
02.34	High Speed Circuit Switched Data (HSCSD); Stage 1	S1						5.2.1	6.0.0	7.0.0	8.1.0					
02.38	SIM application toolkit (SAT); Stage 1 <i>spec withdrawn</i>	S1						1.0.0								
02.40	Procedures for Call Progress Indications	S1	3.2.0				4.5.0	5.0.0	6.0.0	7.0.1	8.0.0					
02.41	Operator Determined Barring	S1					4.5.2	5.1.1	6.0.0	7.0.0						
02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	S1						5.1.0	6.0.0	7.0.0	8.0.0					
02.43	Support of Localised Service Area (SoLSA);	S1								7.3.0	8.0.0					

	Service description; Stage 1																
02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	T3							6.0.0	7.0.0	8.0.0						
02.53	Tandem Free Operation (TFO); Service description; Stage 1	S4						5.1.0		7.0.1	8.0.1						
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1								7.2.1	8.0.1						
02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1	S1								7.1.0	8.0.0						
02.60	General Packet Radio Service Stage 1 Description	S1						5.2.0	6.3.1	7.5.0	8.1.0						
02.63	Packet Data on Signalling channels Service (PDS); Stage 1	S1						5.0.0	6.0.0	7.0.0							
02.66	Support of Mobile Number Portability (MNP); Service description; Stage 1	S1						5.0.0		7.1.0							
02.67	Enhanced Multi-Level Precedence and Pre- emption Service (eMLPP); Stage 1	S1						5.1.1	6.1.1	7.0.1							
02.68	Voice Group Call Service (VGCS); Stage 1	S1						5.2.1	6.0.1	7.0.2	8.1.0	9.0.0					
02.69	Voice Broadcast Service (VBS); Stage 1	S1						5.2.1	6.0.1	7.0.2	8.1.0	9.0.0					
02.71	Location Services (LCS); Stage 1	S1								7.3.0							
02.72	Call Deflection Service description; Stage 1	S1						5.0.0		7.2.1							
02.76	Noise Suppression for the AMR	S4									8.0.1						
Spec no.	Title	WG	Ph1	Ph1- DCS	Ph1- EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7	
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	S1						5.6.0	6.6.1	7.2.0	8.0.0						
02.79	Support of Optimal Routing (SOR); Service definition (Stage 1)	S1						5.2.0	6.0.0	7.0.0							
02.81	Line Identification Supplementary Services; Stage 1	S1					4.6.1	5.1.0	6.0.0	7.0.0							
02.82	Call Forwarding (CF) Supplementary Services; Stage 1	S1	3.6.1				4.5.2	5.0.0	6.0.0	7.0.1	8.0.0						
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	S1					4.6.7	5.0.0	6.0.0	7.0.0							
02.84	MultiParty (MPTY) Supplementary Services; Stage 1	S1					4.4.7	5.0.0	6.0.0	7.0.0							

02.85	Closed User Group (CUG) Supplementary Services; Stage 1	S1					4.2.6	5.0.0	6.0.0	7.0.0					
02.86	Advice of Charge (AoC) Supplementary Services; Stage 1	S1					4.1.5	5.0.0	6.0.0	7.0.0					
02.87	User-to-User Signalling (UUS) Service Description; Stage 1	S1						5.3.0		7.1.2					
02.88	Call Barring (CB) Supplementary Services; Stage 1	S1	3.6.1				4.4.3	5.0.0	6.0.0	7.0.0					
02.90	Unstructured Supplementary Service Data (USSD); Stage 1	S1					4.1.1	5.1.0	6.0.0	7.0.0	8.0.0				
02.91	Explicit Call Transfer (ECT)	S1						5.1.1	6.0.0	7.0.0					
02.93	Completion of Calls to Busy Subscriber (CCBS) Service Description; Stage 1	S1						5.5.0	6.0.1	7.0.0					
02.94	Follow Me Service description; Stage 1 <i>spec withdrawn</i>	S1									8.0.0				
02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	S1						5.2.0	6.0.0	7.0.0	8.0.0				
02.96	Name Identification Supplementary Services; Stage 1	S1						5.0.0	6.0.1	7.0.0					
02.97	Multiple Subscriber Profile (MSP) Service description, Stage 1	S1						5.2.0		7.1.0					
03.01	Network Functions	S2	3.1.1				4.0.4	5.1.0	6.1.0	7.0.0	8.0.0				
03.01U	Framework of network requirements, interworking and integration for the Universal Mobile Telecommunication System <i>spec withdrawn</i>	SP				2.0.0									
03.02	Network Architecture	S2	3.1.4				4.2.1	5.3.0	6.1.0	7.1.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
03.03	Numbering, Addressing and Identification	N4	3.6.0				4.11.1	5.5.0	6.8.0	7.8.0					
03.04	Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	N4	3.1.0				4.0.4	5.0.0	6.0.0						
03.05	Technical performance objectives	NP	3.2.0				4.1.0	5.0.0	6.0.0	7.0.0	8.0.0				
03.07	Restoration Procedures	N4	3.2.1				4.3.1	5.1.0	6.2.0	7.1.0					
03.08	Organization of Subscriber Data	N4	3.7.0				4.8.0	5.2.0	6.6.0	7.5.0					
03.09	Handover Procedures	N1	3.2.1				4.6.0	5.1.0	6.0.0	7.0.0					
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	N3	3.3.0				4.3.1	5.4.0	6.0.0	7.0.1	8.3.0				
03.11	Technical Realization of Supplementary Services - General Aspects	N4	3.1.1				4.10.1	5.0.1	6.0.1	7.0.1					

03.12	Location Registration Procedures	N4	3.3.0				4.4.2	5.0.0	6.0.0	7.0.0						
03.12dcs	Location Registration Procedures (DCS 1800)	N4														
03.13	Discontinuous Reception (DRX) in the GSM System	G1	3.0.2				4.0.4	5.0.0	6.0.0	7.0.0	8.0.0					
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	N1	3.0.2				4.1.1	5.0.0	6.0.0	7.0.1						
03.15	Technical Realization of Operator Determined Barring	N4					4.3.1	5.1.0	6.1.0	7.0.0						
03.16	Subscriber Data Management	N4					4.2.1	5.3.0	6.5.0	7.7.0						
03.17	Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2 <i>spec withdrawn</i>	-						0.4.0								
03.18	Basic Call Handling	N4						5.6.0	6.8.0	7.5.0						
03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card	T3								7.5.0	8.5.0					
03.20	Security-related Network Functions	S3	3.3.2				4.4.1	5.2.1	6.1.0	7.2.0	8.1.0	9.0.0				
03.20ext	Security-related Network Functions (Ext)	S3			3.0.0											
03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	G1					4.1.1.0	5.3.1	6.3.0	7.4.0	8.7.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
03.26	Multiband operation of GSM/DCS 1800 by a single operator	G1					4.3.0	5.2.0	6.0.0	7.0.0	8.0.0					
03.30	Radio Network Planning Aspects	GP					4.3.0	5.0.0	6.0.1	7.1.0	8.3.0					
03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3								7.0.0	8.0.0					
03.32	Universal Geographical Area Description (GAD)	S2						5.2.0	6.0.0	7.2.0						
03.33	Lawful Interception; Stage 2	S3								7.2.0	8.1.0					
03.34	High Speed Circuit Switched Data (HSCSD); Stage 2	N1						5.2.0	6.0.0	7.0.0						
03.35	Immediate Service Termination (IST); Stage 2	S3								7.0.1	8.1.0					
03.38	Alphabets and language-specific information	T2					4.0.1	5.6.1	6.0.1	7.2.0						
03.39	Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service	T2					4.0.0	5.0.0	6.0.0	7.0.0						

	Centers (SMSCs) to Short Message Entities (SMEs) spec withdrawn															
03.40	Technical realization of the Short Message Service (SMS)	T2	3.7.0				4.13.0	5.8.1	6.2.0	7.5.0						
03.41	Technical Realization of Short Message Service Cell Broadcast (SMSCB)	T2	3.4.0				4.11.0	5.9.1	6.1.0	7.4.0						
03.42	SMS Compression	T2	3.0.0					5.2.0	6.0.0	7.1.1						
03.43	Support of Videotex	T2	3.0.1				4.1.2	5.0.0	6.0.0	7.0.0	8.0.0					
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	T2	3.0.1				4.0.1	5.0.0	6.0.0	7.0.0	8.0.0					
03.45	Technical Realization of Facsimile Group 3 Service - transparent	N3	3.3.0				4.5.0	5.2.1	6.0.1	7.0.1	8.0.1					
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	N3	3.2.1				4.1.2	5.0.0	6.0.0	7.0.0	8.0.1					
03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	T2					4.4.0	5.0.0	6.0.0	7.0.0	8.0.0					
03.48	Security mechanisms for SIM application toolkit; Stage 2	T3	3.0.1						6.2.0	7.0.1	8.8.0					
03.49	Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)	T2					4.6.0	5.7.0	6.1.0	7.0.0	8.0.0					
03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4	3.4.0				4.6.1	5.4.0	6.2.1	7.1.1	8.1.1					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	G1								7.1.1	8.0.1					
03.53	Tandem Free Operation (TFO); Service description; Stage 2	S4								7.0.1	8.0.0					
03.54	Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2	N3						5.2.0	6.0.0	7.0.0						
03.55	Dual Transfer Mode (DTM); Stage 2	G1									8.2.0					
03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	S2								7.1.1	8.0.0					

03.57	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2	T2									7.2.0					
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4							6.0.1	7.0.0	8.0.0					
03.59	Location services (LCS) GERAN; Stage 2 <i>spec withdrawn</i>	G1										0.0.1				
03.60	General Packet Radio Service (GPRS); Service description; Stage 2	S2						5.3.0	6.11.0	7.9.0						
03.61	General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2 <i>spec withdrawn</i>	-							0.7.1							
03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	N1						5.1.0	6.0.0	7.0.0	8.0.0					
03.64	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2	G1						5.2.0	6.4.0	7.1.0	8.12.0					
03.66	Support of GSM Mobile Number Portability (MNP); Stage 2	N4								7.3.1						
03.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	N4						5.1.1	6.1.0	7.2.0						
03.68	Voice Group Call Service (VGCS); Stage 2	N1						5.6.0	6.4.0	7.3.0	8.3.0	9.0.0				
03.69	Voice Broadcast service (VBS); Stage 2	N1						5.6.0	6.4.0	7.3.0	8.3.0	9.0.0				
03.70	Routing of Calls to/from Public Data Networks (PDN)	N3	3.0.0				4.0.3	5.0.0	6.0.0	7.0.0						
03.71	Location Services (LCS); Functional description; Stage 2	S2								7.11.0	8.9.0					
03.72	Call Deflection stage 2	N4								7.1.0						
03.73	Support of Localised Service Area (SoLSA); Stage 2	N4								7.2.0	8.0.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
03.78	customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	N4						5.8.0	6.11.1	7.8.1						
03.79	Support of Optimal Routing phase 1; Stage 2	N4						5.5.0	6.3.0	7.3.0						
03.81	Line Identification Supplementary Services; Stage 2	N4					4.8.1	5.2.0	6.0.0	7.0.1						
03.82	Call Forwarding (CF) Supplementary Services; Stage 2	N4	3.2.1				4.8.1	5.0.0	6.1.0	7.0.0	8.0.0					

	part 1 (Ext)																	
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4	3.2.3				4.10.1	5.0.1	6.0.1	7.1.0								
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	N1	3.3.0				4.11.0	5.3.0	6.1.0	7.1.0								
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2	3.2.1				4.6.0	5.0.2	6.0.1	7.0.1	8.0.0							
04.13	Performance Requirements on Mobile Radio Interface	N1					4.2.0	5.1.1	6.0.1	7.0.1	8.0.1							
04.14	Individual equipment type requirements and interworking; Special conformance testing functions	G2						5.1.0	6.3.1	7.3.0	8.6.0							
04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	G2									8.24.0	9.0.0						
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3	3.4.0				4.6.1	5.7.0	6.1.0	7.1.0	8.3.0							
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	N3	3.7.0				4.5.1	5.6.1	6.2.0	7.1.0	8.0.0							
04.30	Location Services (LCS); Supplementary service operations; Stage 3	N4								7.3.0								
04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2								7.16.0	8.15.0							
04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	G2								7.4.0	8.4.1							
04.53	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3 spec withdrawn	-								1.6.0								
04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1								7.1.1	8.0.1							

04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1								7.0.3	8.0.1				
04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	G2							6.14.0	7.10.0	8.25.0				
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
04.62	General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 3 spec withdrawn	-							0.2.0						
04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	N1						5.0.0	6.0.0	7.0.0	8.0.1				
04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	N1						5.1.0	6.10.0	7.5.0	8.7.0				
04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1						5.1.0	6.7.0	7.3.0	8.2.0				
04.67	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	N4						5.0.1	6.0.1	7.0.1					
04.68	Group Call Control (GCC) Protocol	N1						5.5.0	6.3.0	7.2.0	8.1.0	9.0.0			
04.69	Broadcast Call Control (BCC) protocol	N1						5.5.0	6.3.0	7.2.0	8.1.0	9.0.0			
04.71	Location Services (LCS); Mobile radio interface layer 3 specification	G2								7.5.0	8.4.0				
04.72	Call Deflection (CD) Supplementary Service; Stage 3	N4								7.0.1					
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	N4	3.2.0				4.11.1	5.3.1	6.1.2	7.4.1					
04.81	Line Identification Supplementary Services; Stage 3	N4					4.4.1	5.0.1	6.0.1	7.0.1					
04.82	Call Forwarding (CF) Supplementary Services; Stage 3	N4	3.1.3				4.9.1	5.0.1	6.0.1	7.0.2					
04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3	N4					4.6.1	5.0.1	6.0.1	7.0.1					

04.84	Multi Party (MPTY) Supplementary Services; Stage 3	N4					4.3.2	5.0.1	6.0.1	7.0.1						
04.85	Closed User Group (CUG) Supplementary Services; Stage 3	N4					4.1.1	5.0.0	6.0.0	7.0.0						
04.86	Advice of Charge (AoC) Supplementary Services; Stage 3	N4					4.5.2	5.0.1	6.0.1	7.0.1						
04.87	User-to-User Signalling (UUS) Supplementary Service; Stage 3	N4								7.0.2						
04.88	Call Barring (CB) Supplementary Services; Stage 3	N4	3.1.3				4.7.1	5.1.1	6.0.1	7.0.0						
04.90	Unstructured Supplementary Service Data (USSD)	N4					4.1.1	5.0.1	6.0.1	7.0.1						
04.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	N4						5.1.2	6.0.1	7.0.1						
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
04.93	Completion of Calls to Busy Subscriber (CCBS); Stage 3	N4							6.1.1	7.0.0						
04.96	Name Identification Supplementary Services; Stage 3	N4							6.0.1	7.0.0						
05.01	Physical Layer on the Radio Path (General Description)	G1	3.3.2				4.6.0	5.4.0	6.1.1	7.2.0	8.8.0					
05.01dcs	Physical Layer on the Radio Path (General Description) (DCS 1800)	G1														
05.01U	Universal Mobile Telecommunications System (UMTS); Objectives and framework for the Telecommunications Management Network (TMN) of the UMTS <i>spec withdrawn</i>	SP				2.0.0										
05.02	Multiplexing and Multiple Access on the Radio Path	G1	3.8.0				4.11.0	5.10.0	6.10.0	7.7.0	8.11.0					
05.03	Channel coding	G1	3.6.1				4.5.1	5.6.0	6.2.1	7.3.1	8.7.0					
05.04	Modulation	G1	3.1.2				4.0.3	5.1.1	6.1.1	7.3.0	8.4.0					
05.05	Radio Transmission and Reception	G1	3.16.0				4.23.1	5.13.0	6.8.0	7.9.0	8.16.0					
05.05dcs	Radio Transmission and Reception (DCS 1800)	G1														
05.08	Radio Subsystem Link Control	G1	3.8.0				4.22.1	5.10.0	6.9.0	7.7.0	8.21.0					
05.08dcs	Radio Subsystem Link Control (DCS 1800)	G1														
05.09	Link adaptation	G1								7.7.0	8.5.0					
05.10	Radio subsystem synchronization	G1	3.5.1				4.9.0	5.4.1	6.7.0	7.4.0	8.12.0					
05.14	Release independent frequency bands; Implementation guidelines	G1							6.2.0	7.2.0						

05.22	Radio link management in hierarchical networks	G1					4.0.0	5.0.0	6.0.0	7.0.0	8.0.0					
05.50	Background for RF Requirements	G1					4.2.0	5.1.1	6.1.0	7.4.0	8.2.0					
05.56	GSM Cordless Telephony System (CTS), Phase 1; CTS-Fixed Part (FP) radio subsystem	G1								7.1.1	8.0.1					
05.90	GSM Electromagnetic Compatibility (EMC) considerations	G1					4.3.0	5.0.0	6.0.1	7.0.0						
06.01	Full Rate Speech Processing Functions	S4	3.0.0				4.0.7	5.1.1	6.0.1	7.0.2	8.0.1					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
06.01U	Universal Mobile Telecommunications System (UMTS); Quality requirements for speech and associated channel coding for the UMTS <i>spec withdrawn</i>	SP				3.0.0										
06.02	Half Rate Speech Processing Functions	S4					4.0.2	5.0.1	6.0.1	7.0.2	8.0.0					
06.02U	Universal Mobile Telecommunications System (UMTS); Quality requirements and selection procedure for the support of voice- band data coding for the UMTS <i>spec withdrawn</i>	SP				0.0.0										
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	S4					4.2.1	5.1.1	6.0.1	7.0.1	8.0.1					
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4					4.2.1	5.2.1	6.0.1	7.0.1	8.0.1					
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4					4.0.0	5.0.0	6.0.0	7.0.0	8.0.0					
06.10	Full Rate Speech Transcoding	S4	3.2.0				4.3.0	5.3.0	6.2.0	7.2.0	8.2.0					
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4	3.0.1				4.0.6	5.0.1	6.0.1	7.0.1	8.0.1					
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4	3.0.1				4.1.0	5.1.0	6.1.0	7.1.0	8.1.0					
06.20	Half Rate Speech Transcoding	S4					4.3.1	5.1.1	6.0.1	7.0.1	8.0.1					
06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4					4.0.2	5.0.1	6.0.1	7.0.1	8.0.1					
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4					4.1.1	5.1.0	6.0.1	7.0.1	8.0.1					

06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4	3.1.0				4.0.5	5.0.1	6.0.1	7.0.1	8.0.1					
06.32	Voice Activity Detection (VAD)	S4	3.0.0				4.3.1	5.0.3	6.0.1	7.0.1	8.0.1					
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4					4.0.2	5.1.1	6.0.1	7.0.1	8.0.1					
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4					4.1.1	5.0.1	6.0.1	7.0.1	8.0.1					
06.51	GSM Enhanced full rate speech processing functions: General description	S4					4.2.0	5.3.0	6.2.0	7.2.0	8.2.0					
06.53	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec	S4					4.0.1	5.1.3	6.0.1	7.0.1	8.0.1					
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	S4					4.2.0	5.3.0	6.2.0	7.2.0	8.2.0					
06.55	Performance characterisation of the GSM EFR Speech Codec	S4					4.0.0	5.0.0	6.0.0	7.0.0	8.0.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
06.60	Enhanced full rate speech transcoding	S4					4.1.1	5.2.1	6.0.1	7.0.2	8.0.1					
06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels	S4					4.0.1	5.1.2	6.0.1	7.0.1	8.0.1					
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4					4.0.1	5.1.3	6.0.1	7.0.1	8.0.1					
06.71	Adaptive Multi-Rate speech processing functions; General description	S4								7.0.2						
06.73	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec	S4								7.6.0						
06.74	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec	S4								7.3.0						
06.75	Performance characterization of the GSM Adaptive Multi-Rate (AMR) speech codec	S4								7.2.0						
06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4								7.0.2	8.0.1					
06.77	Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder	S4									8.1.1					
06.78	Results of the AMR noise suppression selection phase	S4									8.0.1					
06.81	Discontinuous	S4					4.1.1	5.2.1	6.1.1	7.1.1	8.0.1					

	Transmission (DTX) for enhanced full rate speech traffic channels															
06.82	Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	S4					4.0.1	5.0.3	6.0.1	7.0.1	8.0.1					
06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	S4						5.0.0	6.0.0	7.0.0	8.0.0					
06.90	Adaptive Multi-Rate speech transcoding	S4								7.2.1						
06.91	Substitution and muting of lost frames for AMR speech traffic channels	S4								7.1.1						
06.92	Comfort noise aspects for Adaptive Multi-Rate speech traffic channels	S4								7.1.1						
06.93	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels	S4								7.5.0						
06.94	Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels	S4								7.1.1						
07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3	3.14.0				4.10.0	5.9.1	6.1.0	7.1.1	8.0.0					
07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	N3	3.8.0				4.5.1	5.5.1	6.0.0	7.0.1	8.0.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	N3	3.4.0				4.5.1	5.4.1	6.0.0	7.0.0	8.0.0					
07.05	Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)	T2					4.8.1	5.5.0	6.0.0	7.0.1						
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 <i>spec withdrawn</i>	T2					4.2.1									
07.07	AT Command set for GSM Mobile Equipment (ME)	T2					4.4.1	5.9.1	6.5.0	7.8.0						
07.08	GSM Application Programming Interface	T2						5.2.1			8.0.0					
07.10	Terminal Equipment to	T2							6.5.0	7.2.0						

	Mobile Station (TE-MS) multiplexer protocol																		
07.60	General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS	N3						5.1.0	6.5.0	7.2.0									
08.01	General Aspects on the BSS-MSC Interface	G2	3.0.1				4.0.3	5.0.0	6.0.0	7.0.0	8.0.1								
08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2	3.3.1				4.2.0	5.1.0	6.0.0	7.0.0	8.0.1								
08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2	3.0.3				4.0.3	5.0.0	6.0.0	7.0.1	8.0.1								
08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2	3.5.2				4.5.0	5.3.0	6.0.0	7.0.1	8.0.1								
08.08	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2	3.10.1				4.12.1	5.12.0	6.5.0	7.7.0	8.15.0	9.0.0							
08.08ext	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification (DCS 1800)	G2			3.0.0														
08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	G2						5.0.0	6.0.0	7.0.1	8.0.1								
08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	G2						5.0.0	6.3.0	7.1.0	8.0.1								
08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2						5.0.0	6.8.0	7.5.0	8.12.0								
08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3	3.1.2				4.2.3	5.4.0	6.1.0	7.1.0	8.4.1								
08.31	Location Services LCS; Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2								7.1.0	8.1.1								
08.51	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	G2	3.0.2				4.1.0	5.0.0	6.0.0	7.0.0	8.0.1								

08.52	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	G2	3.0.2				4.2.0	5.0.0	6.0.0	7.0.0	8.0.1				
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
08.54	BSC-BTS Layer 1; Structure of Physical Circuits	G2	3.0.1				4.1.0	5.0.0	6.0.0	7.0.0	8.0.1				
08.56	BSC-BTS Layer 2; Specification	G2	3.1.1				4.0.2	5.0.0	6.0.0	7.0.0	8.0.1				
08.58	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2	3.6.0				4.9.0	5.10.0	6.3.0	7.4.1	8.6.0				
08.58dcs	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface (DCS 1800)	G2													
08.58ext	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface (Ext)	G2			3.0.0										
08.59	BSC-BTS O&M Signalling Transport	G1	3.1.0												
08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	G1	3.3.1				4.4.1	5.1.1	6.0.1	7.3.0	8.2.1				
08.61	In-band control of remote transcoders and rate adaptors for half rate traffic channels	G1					4.0.2	5.0.1	6.0.1	7.3.0	8.1.0				
08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	S4								7.1.1	8.0.1				
08.64	GPRS support node - BSS protocol (SGSN_BSS) interface; BSSGP layer 3 <i>spec withdrawn</i>	-							1.0.0						
08.71	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3	G2								7.6.0	8.5.0				
09.01	General Network Interworking Scenarios	N4	3.0.1				4.0.1	5.0.0	6.0.0	7.0.0	8.0.0				
09.02	Mobile Application Part (MAP) Specification	N4	3.11.0				4.19.1	5.19.0	6.14.0	7.15.0					
09.02dcs	Mobile Application Part (MAP) Specification (DCS 1800)	N4													
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	N3	3.0.1				4.0.3	5.0.0	6.0.0	7.0.0					

	Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol specification																		
09.13	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4								6.0.0	7.0.0								
09.14	Application of ISDN User Part (ISUP) Version 3 for the Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol specification	TISPAN									7.0.2	8.0.0							
09.16	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification	N1								6.1.0	7.0.1								
09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1								6.7.0	7.5.0	8.0.0							
09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2									7.8.0	8.7.1							
09.60	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GTP across the Gn and Gp Interface	N4							5.0.0	6.13.0	7.10.0								
09.61	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)	N3								6.10.0	7.10.0								
09.78	CAMEL Application Part phase 2 (stage 3)	N4							5.7.0	6.5.0	7.1.0								
09.90	Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)	N1						4.9.0	5.1.0	6.0.0									
09.91	Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2	T3						4.0.1											
09.94	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	N1						4.6.1	5.1.1	6.1.1	7.0.1								

09.95	Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles	G1							6.3.0	7.3.0						
10.00	Digital Cellular Telecommunication System Feature Description	S2						5.2.1		7.1.0						
10.01	GSM features and releases spec withdrawn	-							0.0.2							
10.02	Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+	N4						5.1.0	6.1.0							
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
10.14	System overview for 14.4 kbit/s Work Item	S2						5.0.0								
10.17	General Packet Radio Service (GPRS); Charging in GPRS spec withdrawn	-							1.0.0							
10.20	Lawful Interception requirements for GSM	S3						5.0.1	6.0.0							
10.43	Support of Localised Service Area (SoLSA); Work Item Status spec withdrawn	S1									1.11.0					
10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	S2								7.0.0	8.0.0					
10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE) spec withdrawn	T2								7.0.0	8.0.0					
10.59	Project scheduling and open issues for EDGE	G1									8.0.0					
10.60	General Packet Radio Services (GPRS); Project Scheduling and Open Issues spec withdrawn	S2						5.4.2	6.0.0							
10.66	Support of Mobile Number Portability (MNP); Project plan spec withdrawn	S1						5.0.0								
10.68	Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS) spec withdrawn	S2						5.0.0								
10.70	GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR	S4								0.2.1						
10.71	Project scheduling and open issues: Location services (LCS) spec withdrawn	S1								7.0.0						

10.76	Noise suppression for the AMR codec; Project scheduling and open issues spec withdrawn	S4										1.0.0				
10.78	Project scheduling and open issues: CAMEL spec withdrawn	S2								1.6.0						
10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues; spec withdrawn	GP										0.0.6				
10.99	GERAN project plan and open issues spec withdrawn	-											0.0.5			
11.10	Mobile Station Conformity Specification	G3new	3.23.1													
11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	G3new					4.29.0	5.12.2	6.4.0	7.3.0	8.3.0	9.0.1				
11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G3new					4.16.0					8.0.0				
11.10-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G3new					4.34.0	5.1.0				8.0.0	9.0.0			
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	T3						5.6.0	6.0.0	7.0.0	8.8.0					
11.10dcs	Mobile Station Conformity Specification (DCS 1800)	G3new														
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	T3	3.16.0				4.21.1	5.10.1	6.3.0	7.7.0	8.12.0					
11.11dcs	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface (DCS 1800)	T3														
11.12	Specification on the 3 volt subscriber identity module Equipment (SIM-ME) Interface	T3					4.3.1	5.0.0								
11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java	T3								7.4.2	8.2.1					

	(R-GSM); Mobile Stations; Access															
13.68	Attachment requirements for Global System for Mobile communications (GSM); Advanced Speech Call Items (GSM-ASCI) Mobile Stations; Access	MSG						5.0.2								
21.01U	Requirements for the UMTS Terrestrial Radio Access (UTRA) system	GP				3.0.1										
21.02U	High level requirements relevant for the definition of the UMTS Terrestrial Radio Access UTRA concept <i>spec withdrawn</i>	GP				3.0.1										
21.04U	Requirements for the support of data services in UMTS <i>spec withdrawn</i>	-				1.0.0										
21.06U	O&M requirements for the UMTS <i>spec withdrawn</i>	-				3.0.0										
21.100	3G specification handling procedures <i>spec withdrawn</i>	-									1.0.0					
21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system	SP									3.13.0		4.10.0	5.7.0	.....
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
21.102	3rd Generation mobile system Release 4 specifications <i>spec withdrawn</i>	SP											4.9.0			
21.103	3rd Generation mobile system Release 5 specifications <i>spec withdrawn</i>	SP												5.4.0		
21.111	USIM and IC card requirements	T3									3.4.0		4.1.0	5.1.0	6.1.0	
21.133	3G security; Security threats and requirements	S3									3.2.0		4.1.0	.....	.....
21.801	Specification drafting rules	SP									3.0.0		4.4.0	5.1.0	6.0.0	
21.810	Report on multi-mode UE issues; ongoing work and identified additional work	T2									3.0.0					
21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture	S2												0.7.0	0.7.0	
21.900	Technical Specification Group working methods	SP									3.7.0		4.1.0	5.1.0	6.2.0	
21.902	Evolution of 3GPP system	SP													6.0.0	
21.904	User Equipment (UE)	T2									3.5.0					

	capability requirements															
21.905	Vocabulary for 3GPP Specifications	S1									3.3.0		4.5.0	5.8.0	6.7.0	
21.906	reserved <i>spec withdrawn</i>	-									3.0.0					
21.910	Multi-mode UE issues; categories, principles and procedures	T2									3.0.0					
21.978	Feasibility Technical Report; CAMEL Control of VoIP Services	N4									3.0.0					
22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)	S1									3.2.0		4.3.0	5.0.0	.....
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)	S1									3.6.0		4.2.0	5.0.0	.....
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	S1									3.3.0		4.3.0	5.2.0	.....
22.004	General on supplementary services	S1									3.3.0		4.3.0	5.1.0	.....
22.00U	UMTS Phase 1 <i>spec withdrawn</i>	-				1.3.0										
22.011	Service accessibility	S1									3.8.0		4.8.0	5.1.0	6.4.0	Y
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
22.016	International Mobile Equipment Identities (IMEI)	S1									3.3.0		4.2.1	5.0.0	.....
22.01U	Universal Mobile Telecommunications System (UMTS): Service aspects; Service principles <i>spec withdrawn</i>	-				3.3.0										
22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification	S3									3.2.1		4.1.0	5.0.0	.....
22.024	Description of Charge Advice Information (CAI)	S1									3.0.1		4.0.0	5.0.0	.....
22.030	Man-Machine Interface (MMI) of the User Equipment (UE)	S1									3.4.0		4.1.0	5.0.0	6.0.0	Y
22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1	S3									3.0.0		4.0.0	5.0.0	.....
22.032	Immediate Service Termination (IST); Service description; Stage 1	S3									3.0.0		4.0.0	5.0.0	.....
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1	S1									3.2.1		4.1.0	5.0.0	.....
22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1	S1									3.4.0		4.3.0	5.4.0	6.2.0	Y

22.041	Operator Determined Call Barring	S1										3.3.1		4.1.0	5.0.0	6.2.0	
22.042	Network Identity and Time Zone (NITZ) service description; Stage 1	S1										3.0.1		4.2.1	5.1.0	.....
22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1 spec withdrawn	S1										3.1.0					
22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1	T3												4.0.0	5.0.0	.....
22.053	Tandem Free Operation (TFO); Service description; Stage 1	S4										3.0.0		4.0.1	5.0.0	.....
22.057	Mobile Execution Environment (MExE) service description; Stage 1	S1										3.0.1		4.1.0	5.4.0	.....
22.05U	Services and service capabilities spec withdrawn	-				3.1.0											
22.060	General Packet Radio Service (GPRS); Service description; Stage 1	S1										3.5.0		4.4.0	5.3.0	6.0.0	
22.066	Support of Mobile Number Portability (MNP); Stage 1	S1										3.2.0		4.0.0	5.1.0	6.1.0	
22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1	S1										3.0.1		4.1.0	5.0.0	6.1.0	
22.071	Location Services (LCS); Stage 1	S1										3.5.0		4.6.0	5.4.0	6.7.0	Y
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F	Z
22.072	Call Deflection (CD); Stage 1	S1										3.0.1		4.0.0	5.0.0	.....
22.076	Noise suppression for the AMR codec; Service description; Stage 1	S4											4.0.1	5.0.0	.....	
22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1	S1										3.9.0		4.5.0	5.14.0	6.5.0	Y
22.079	Support of optimal routing; Stage 1	S1										3.0.1		4.0.0	5.0.0	.....
22.07U	UMTS terminal and smart card concepts spec withdrawn	-				3.1.1											
22.081	Line Identification supplementary services; Stage 1	S1										3.2.0		4.1.0	5.0.0	.....
22.082	Call Forwarding (CF) Supplementary Services; Stage 1	S1										3.0.2		4.2.0	5.0.0	.....
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1	S1										3.0.1		4.1.0	5.0.0	.....

	access scenarios															
22.80U	UMTS Relationship to other Standards <i>spec withdrawn</i>	-				2.0.1										
22.857	Run-time independent framework feasibility study	T2														6.0.0
22.907	Terminal concepts <i>spec withdrawn</i>	-									3.1.3					
22.924	Charging and accounting mechanisms <i>spec withdrawn</i>	-									3.1.1					
22.925	Quality of Service (QoS) and network performance <i>spec withdrawn</i>	-									3.1.1					
22.934	Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking	S1														6.2.0
22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1	S1														6.0.0
22.941	IP based multimedia framework; Stage 0 <i>spec withdrawn</i>	S1												0.7.0		
22.944	Service requirements for UE functionality split	S1													5.1.0	.....
22.945	Study of provision of fax service in GSM and UMTS	T2									3.0.0					
22.946	Broadcast and multicast services <i>spec withdrawn</i>	S1													1.0.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
22.949	Study on a generalized privacy capability	S1														6.0.0
22.950	Priority service feasibility study	S1														6.3.0
22.951	Service aspects and requirements for network sharing	S1														6.1.0
22.952	Priority service guide	S1														6.1.0
22.960	Mobile multimedia services <i>spec withdrawn</i>	-									3.0.1					
22.970	Virtual Home Environment (VHE) Report <i>spec withdrawn</i>	-									3.0.1					
22.971	Automatic establishment of roaming relationships	S1									3.1.1					
22.972	Circuit-switched multimedia <i>spec withdrawn</i>	-									0.0.0					
22.975	Advanced addressing	S1									3.1.0					
22.976	Study on PS domain services and capabilities <i>spec withdrawn</i>	S1											2.0.0	2.0.0	2.0.0	

22.977	Feasibility study for speech-enabled services	S1														6.0.0		
22.978	All-IP feasibility study	S1																Y
22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions	S1																Y
23.002	Network architecture	S2										3.6.0		4.8.0	5.12.0	6.5.0		
23.003	Numbering, addressing and identification	N4										3.14.0		4.8.0	5.9.0	6.3.0		
23.007	Restoration procedures	N4										3.6.0		4.2.0	5.1.0	6.0.0		
23.008	Organisation of subscriber data	N4										3.8.0		4.3.0	5.7.0	6.2.0		
23.009	Handover procedures	N1										3.14.0		4.9.0	5.8.0	.....	
23.010	GSM Public Land Mobile Network (PLMN) Connection Types <i>spec withdrawn</i>	-										3.0.0						
23.011	Technical realization of Supplementary Services	N4										3.1.0		4.0.1	5.0.0	6.0.0		
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F	Z	
23.012	Location management procedures	N4										3.3.0		4.0.0	5.2.0	6.1.0		
23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	N1										3.2.0		4.1.0	5.1.0	.....	
23.015	Technical realization of Operator Determined Barring (ODB)	N4										3.1.0		4.0.1	5.0.0	6.0.0		
23.016	Subscriber data management; Stage 2	N4										3.10.0		4.4.0	5.3.0	6.1.0		
23.018	Basic Call Handling; Technical realization	N4										3.12.0		4.7.0	5.9.0	6.2.0		
23.01U	UMTS Network principles <i>spec withdrawn</i>	-				3.0.0												
23.022	Functions related to Mobile Station (MS) in idle mode and group receive mode <i>spec withdrawn</i>	-										3.1.0						
23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	S3										3.0.0		4.0.0	5.0.0	.....	
23.032	Universal Geographical Area Description (GAD)	S2										3.2.1		4.1.1	5.0.0	.....	
23.034	High Speed Circuit Switched Data (HSCSD); Stage 2	N1										3.3.0		4.0.0	5.2.0	.....	
23.035	Immediate Service Termination (IST); Stage 2	S3										3.1.0		4.1.0	5.1.0	.....	
23.038	Alphabets and language-specific information	T2										3.3.0		4.4.0	5.0.0	6.0.0		
23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to	T2										3.2.0		4.0.0	5.0.0	.....	

	Short Message Entities (SMEs)															
23.040	Technical realization of Short Message Service (SMS)	T2									3.10.0		4.8.0	5.7.1	6.4.0	
23.041	Technical realization of Cell Broadcast Service (CBS)	T2									3.5.0		4.4.0	5.2.0	6.2.0	
23.042	Compression algorithm for SMS	T2									3.1.0		4.0.1	5.0.0	.....
23.043	Support of Videotex <i>spec withdrawn</i>	-									3.0.0					
23.044	Support of Teletex <i>spec withdrawn</i>	-									3.0.0					
23.045	Technical Realization of Facsimile Group 3 Service - transparent <i>spec withdrawn</i>	-									3.0.0					
23.046	Technical realization of facsimile Group 3 service - non-transparent <i>spec withdrawn</i>	-									3.0.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	
23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2	T3											4.4.0	5.8.0	.....
23.053	Tandem Free Operation (TFO); Service description; Stage 2	S4											4.0.1	5.0.0	.....
23.054	Shared Interworking Functions (SIWF); Stage 2 <i>spec withdrawn</i>	N3									3.0.0					
23.057	Mobile Execution Environment (MExE); Functional description; Stage 2	T2									3.4.0		4.5.0	5.1.0	6.2.0	
23.060	General Packet Radio Service (GPRS); Service description; Stage 2	S2									3.16.0		4.9.0	5.8.0	6.5.0	
23.066	Support of GSM Mobile Number Portability (MNP) stage 2	N4									3.3.0		4.0.1	5.3.0	.....
23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	N4									3.3.0		4.1.1	5.0.0	6.0.0	
23.069	Voice Broadcast service (VBS); Stage 2 <i>spec withdrawn</i>	N1									3.0.0					
23.070	Routing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN) <i>spec withdrawn</i>	-									3.0.0					
23.071	Location Services (LCS); Functional description; Stage 2 <i>spec withdrawn</i>	-									3.0.0					
23.072	Call Deflection	N4									3.3.0		4.0.1	5.0.0	.....

	Supplementary Service; Stage 2																
23.073	Support of Localised Service Area (SoLSA); Stage 2 spec withdrawn	N4										3.0.1		4.0.0			
23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2	N4										3.19.0		4.11.1	5.8.0	6.2.0	
23.079	Support of Optimal Routing (SOR); Technical realization; Stage 2	N4										3.8.0		4.2.0	5.5.0		
23.081	Line Identification supplementary services; Stage 2	N4										3.2.0		4.1.0	5.2.0		
23.082	Call Forwarding (CF) Supplementary Services; Stage 2	N4										3.7.0		4.3.0	5.0.0		
23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2	N4										3.2.0		4.3.0	5.1.0		
23.084	MultiParty (MPTY) Supplementary Service; Stage 2	N4										3.2.0		4.0.0	5.0.0		
23.085	Closed User Group (CUG) Supplementary Service; Stage 2	N4										3.1.0		4.0.0	5.0.0		
23.086	Advice of Charge (AoC) Supplementary Service; Stage 2	N4										3.1.0		4.0.0	5.0.0		
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6		
23.087	User-to-User Signalling (UUS) supplementary service; Stage 2	N4										3.1.0		4.0.0	5.0.0		
23.088	Call Barring (CB) Supplementary Service; Stage 2	N4										3.2.0		4.0.0	5.0.0	6.0.0	
23.090	Unstructured Supplementary Service Data (USSD); Stage 2	N4										3.2.0		4.0.0	5.0.0		
23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	N4										3.2.0		4.1.0	5.1.0		
23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	N4										3.2.0		4.0.0	5.0.0		
23.094	Follow Me Stage 2	N4										3.2.0		4.0.0	5.0.1	6.0.0	
23.096	Name Identification Supplementary Service; Stage 2	N4										3.0.1		4.0.0	5.0.0		
23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2	N4										3.1.1		4.0.0	5.0.0		
23.101	General UMTS Architecture	S2										3.1.0		4.0.0	5.0.1		
23.107	Quality of Service (QoS) concept and architecture	S2										3.9.0		4.6.0	5.12.0	6.1.0	
23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)	N1										3.2.0		4.0.1	5.0.0		

	platform towards UMTS spec withdrawn																
23.218	IP Multimedia (IM) session handling; IM call model; Stage 2	N1											5.7.0	6.1.0			
23.221	Architectural requirements	S2										4.2.0	5.10.0	6.3.0			
23.226	Global text telephony (GTT); Stage 2: Architecture	S2											5.2.0	.....		
23.227	Application and user interaction in the UE; Principles and specific requirements	T2										4.2.0	5.1.0	.....		
23.228	IP Multimedia Subsystem (IMS); Stage 2	S2											5.12.0	6.6.0			
23.234	3GPP system to Wireless Local Area Network (WLAN) interworking; System description	S2													6.1.0		
23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes	S2											5.2.0	.....		
23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)	S2											0.12.0	6.4.0			
23.241	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)	N4											0.2.0	6.1.0			
23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description	S2													6.3.0		
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7	
23.251	Network sharing; Architecture and functional description	S2														6.0.0	
23.271	Location Services (LCS); Functional description; Stage 2	S2											4.11.0	5.11.0	6.8.0		
23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2	N4												5.5.0		
23.801	Potential mechanisms for Circuit Switched (CS) domain video and voice service improvements	S2														1.0.0	
23.802	Architectural enhancements for end-to-end Quality of Service (QoS)	S2															Y
23.814	Separating RR and MM specific parts of the MS Classmark	N1									3.1.0		4.0.0				
23.815	Charging implications of IMS architecture	S2												5.0.0			

	with IP Multimedia Subsystem (IMS)															
23.903	Redial solution for video-voice switching	S2														0.0.1
23.907	Quality of Service (QoS) concept <i>spec withdrawn</i>	S2										1.2.0				
23.908	Technical report on Pre-Paging	N4									3.0.1		4.0.0	5.0.0		
23.909	Technical report on the Gateway Location Register	N4									3.0.1		4.0.0	5.0.0		
23.910	Circuit switched data bearer services	N3									3.6.0		4.8.0	5.4.0	.....
23.911	Technical report on Out-of-band transcoder control	N4									3.0.1		4.0.0	5.0.0		
23.912	Technical report on Super-Charger	N4									3.1.0		4.1.0	5.0.0		
23.913	UMTS Turbo-Charger <i>spec withdrawn</i>	-											1.0.0			
23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS) <i>spec withdrawn</i>	S2														1.2.0
23.920	Evolution of the GSM platform towards UMTS <i>spec withdrawn</i>	-									3.1.0					
23.922	Architecture for an All IP network <i>spec withdrawn</i>	S2									1.0.0		4.0.0			
23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	S2									3.0.0		4.0.0			
23.925	UMTS Core network based ATM transport <i>spec withdrawn</i>	S2									0.2.0					
23.927	VHE, Open Service Architecture (OSA) <i>spec withdrawn</i>	-									0.1.0					
23.930	Iu Principles	S2									3.0.0		4.0.0			
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition	S2														1.0.0
23.955	Virtual Home Environment (VHE) concepts <i>spec withdrawn</i>	S2												0.1.0		
23.95U	UMTS Network Aspects; Network functions relevant to satellites <i>spec withdrawn</i>	-				0.0.0										
23.960	Framework of network functions to support multimedia services <i>spec withdrawn</i>	-									0.1.0					

23.964	Commonality and interoperability between IP Multimedia System (IMS) core networks spec withdrawn	S2													0.3.1
23.972	Circuit switched multimedia telephony	N1									3.0.0		4.0.0		
23.974	Support of push service spec withdrawn	S2												2.0.0	
23.976	Push architecture	S2													6.1.0
23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks	S2													6.0.0
23.979	3GPP enablers for Push-to-talk over Cellular (PoC) services; Stage 2	S2													1.1.0
23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations	S2													6.0.0
24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration	N1									3.1.1		4.1.1	5.1.1	.....
24.004	Layer 1 - General Requirements spec withdrawn	G2											4.0.0		
24.007	Mobile radio interface signalling layer 3; General Aspects	N1									3.10.0		4.3.0	5.2.0	6.1.0
24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3	N1									3.19.0		4.14.0	5.12.0	6.5.0
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	N4									3.2.0		4.2.0	5.0.0	.....
24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface	N1									3.6.0		4.1.1	5.2.0	6.0.0
24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface spec withdrawn	G2									3.0.0				
24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices	N3									3.5.0		4.1.0	5.5.0	.....
24.030	Location Services (LCS); Supplementary service operations; Stage 3	N4									3.3.0		4.2.0	5.1.0	6.1.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
24.065	General Packet Radio Service (GPRS); Mobile Station (MS) -	N1									3.1.0				

	Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) <i>spec withdrawn</i>															
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3	N4									3.2.0		4.1.0	5.0.0	.....
24.068	Group Call Control (GCC) Protocol <i>spec withdrawn</i>	N1									3.1.0					
24.069	Broadcast Call Control (BCC) protocol <i>spec withdrawn</i>	N1									3.1.0					
24.072	Call Deflection Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding	N4									3.7.1		4.3.1	5.4.0	6.1.0	
24.081	Line Identification Supplementary Service; Stage 3	N4									3.1.0		4.0.1	5.0.0	.....
24.082	Call Forwarding supplementary service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.084	MultiParty (MPTY) Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.085	Closed User Group (CUG) Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.086	Advice of Charge (AoC) Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.087	User-to-User Signalling (UUS); Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.088	Call Barring (CB) Supplementary Service; Stage 3	N4									3.0.0		4.0.2	5.0.0	6.0.0	
24.090	Unstructured Supplementary Service Data (USSD); Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.093	Call Completion to Busy Subscriber (CCBS); Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.096	Name Identification Supplementary Service; Stage 3	N4									3.0.0		4.0.1	5.0.0	.....
24.109	Bootstrapping interface (Ub) and Network application function interface (Ua); Protocol details	N1													2.0.0	
24.135	Multicall supplementary service; Stage 3	N4									3.2.0		4.1.1	5.0.0	.....
Spec no.	Title	WG	Ph1	Ph1-	Ph1-	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F

				DCS	EXT											
24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	N1														6.0.0
24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	N1														1.1.0
24.228	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	N1													5.9.0	
24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3	N1													5.9.0	6.3.0
24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3	N1														1.6.0
24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3	N4														0.5.0
24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3	N1														1.1.0
24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details	N1														6.0.0
25.101	User Equipment (UE) radio transmission and reception (FDD)	R4									3.17.0		4.11.0	5.11.0	6.4.0	
25.102	User Equipment (UE) radio transmission and reception (TDD)	R4									3.12.0		4.7.0	5.6.0	6.0.0	
25.103	RF parameters in support of RRM <i>spec withdrawn</i>	-									2.0.0					
25.104	Base Station (BS) radio transmission and reception (FDD)	R4									3.12.0		4.7.0	5.8.0	6.6.0	
25.105	Base Station (BS) radio transmission and reception (TDD)	R4									3.13.0		4.8.0	5.6.0	6.1.0	
25.106	UTRA repeater radio transmission and reception	R4											4.8.0	5.8.0	6.1.0	
25.107	UTRA Repeater; Conformance testing <i>spec withdrawn</i>	-											0.0.1			
25.113	Base station and repeater electromagnetic	R4									3.5.0		4.4.0	5.5.0	6.0.0	

	compatibility (EMC)															
25.123	Requirements for support of radio resource management (TDD)	R4										3.14.0		4.13.0	5.9.0	6.2.0
25.133	Requirements for support of radio resource management (FDD)	R4										3.18.0		4.12.0	5.11.0	6.6.0
25.141	Base Station (BS) conformance testing (FDD)	R4										3.13.0		4.8.0	5.8.0	6.6.0
25.142	Base Station (BS) conformance testing (TDD)	R4										3.13.0		4.9.0	5.7.0	6.1.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
25.143	UTRA repeater conformance testing	R4											4.10.0	5.8.0	6.1.0	
25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)	R4														0.0.0
25.201	Physical layer - general description	R1										3.4.0		4.3.0	5.2.0	6.0.0
25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	R1										3.12.0		4.6.0	5.5.0	6.1.0
25.212	Multiplexing and channel coding (FDD)	R1										3.11.0		4.6.0	5.9.0	6.2.0
25.213	Spreading and modulation (FDD)	R1										3.9.0		4.4.0	5.5.0	6.0.0
25.214	Physical layer procedures (FDD)	R1										3.12.0		4.6.0	5.9.0	6.2.0
25.215	Physical layer; Measurements (FDD)	R1										3.12.0		4.7.0	5.5.0	6.0.0
25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	R1										3.11.0		4.7.0	5.5.0	6.1.0
25.222	Multiplexing and channel coding (TDD)	R1										3.10.0		4.7.0	5.6.0	6.0.0
25.223	Spreading and modulation (TDD)	R1										3.8.0		4.5.0	5.3.0	6.0.0
25.224	Physical layer procedures (TDD)	R1										3.13.0		4.10.0	5.7.0	6.1.0
25.225	Physical layer; Measurements (TDD)	R1										3.12.0		4.8.0	5.7.0	6.1.0
25.301	Radio Interface Protocol Architecture	R2										3.11.0		4.4.0	5.2.0	6.0.0
25.302	Services provided by the physical layer	R2										3.16.0		4.8.0	5.7.0	6.1.0
25.303	Interlayer procedures in Connected Mode	R2										3.12.0		4.5.0	5.1.0	6.0.0
25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode	R2										3.14.0		4.8.0	5.5.0	6.2.0
25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2	R2										3.11.0		4.7.0	5.9.0	6.1.0

25.306	UE Radio Access capabilities definition	R2										3.10.0		4.9.0	5.8.0	6.2.0
25.307	Requirements on UEs supporting a release-independent frequency band	R2										3.3.0		4.3.0	5.2.0	6.1.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2	R2												5.5.0	6.1.0	
25.309	Enhanced uplink UTRA FDD; Stage 2	R2													0.3.0	
25.321	Medium Access Control (MAC) protocol specification	R2									3.17.0		4.10.0	5.9.0	6.2.0	
25.322	Radio Link Control (RLC) protocol specification	R2									3.18.0		4.12.0	5.8.0	6.1.0	
25.323	Packet Data Convergence Protocol (PDCP) specification	R2									3.10.0		4.6.0	5.2.0	6.0.0	
25.324	Broadcast/Multicast Control (BMC)	R2									3.8.0		4.4.0	5.4.0	6.1.0	
25.331	Radio Resource Control (RRC) protocol specification	R2									3.19.0		4.14.0	5.9.0	6.2.0	
25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2	R2													6.1.0	
25.401	UTRAN overall description	R3									3.10.0		4.6.0	5.8.0	6.3.0	
25.402	Synchronisation in UTRAN Stage 2	R3									3.10.0		4.6.0	5.3.0	6.0.0	
25.410	UTRAN Iu Interface: General Aspects and Principles	R3									3.8.0		4.5.0	5.4.0	6.1.0	
25.411	UTRAN Iu interface layer 1	R3									3.5.0		4.1.0	5.0.0	6.0.0	
25.412	UTRAN Iu interface signalling transport	R3									3.6.0		4.1.0	5.1.0	6.0.0	
25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling	R3									3.14.0		4.12.0	5.9.0	6.2.0	
25.414	UTRAN Iu interface data transport & transport signalling	R3									3.13.0		4.7.0	5.6.0	6.1.0	
25.415	UTRAN Iu interface user plane protocols	R3									3.12.0		4.7.0	5.3.0	6.0.0	
25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)	R3									3.11.0		4.10.0	5.7.0	6.1.0	
25.420	UTRAN Iur Interface: General Aspects and Principles	R3									3.5.0		4.2.0	5.2.0	6.1.0	
25.421	UTRAN Iur interface Layer 1	R3									3.1.0		4.0.0	5.0.0	6.0.0	
25.422	UTRAN Iur interface signalling transport	R3									3.6.1		4.2.0	5.1.0	6.0.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7

	Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)															
25.802	Remote control of electrically tilting antennas	R3														1.0.0
25.803	S-CCPCH performance for MBMS	R1														1.4.1
25.804	Feasibility study on uplink enhancements for UTRA TDD	R1														0.2.1
25.805	DS-CDMA introduction in the 800 MHz band	R4														0.3.0
25.806	UMTS 1700/2100MHz Work Item	R4														6.0.0
25.807	Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)	R3														6.0.0
25.808	Enhanced uplink for UTRA FDD; Physical layer aspects	R1														0.0.3
25.831	Study Items for future release spec withdrawn	R3									0.0.2					
25.832	Manifestations of Handover and SRNS relocation	R3									3.0.0		4.0.0			
25.833	Physical layer items not for inclusion in Release 99	R1									3.0.0					
25.834	UTRA TDD low chip rate option; Radio protocol aspects	R2											4.1.0			
25.835	Report on hybrid ARQ type II/III spec withdrawn	R2												1.0.0		
25.836	Node B synchronization for TDD	R1											4.1.0			
25.837	Hybrid ARQ Type II/III (Iub/Iur aspects) spec withdrawn	R3												0.1.0		
25.838	Node B Synchronisation for TDD (Iub/Iur aspects)	R3											4.1.0			
25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects) spec withdrawn	R3										0.1.0	0.3.0			
25.840	Terminal power saving features	R1												4.0.0		
25.841	DSCH power control improvement in soft handover	R1												4.1.0		
25.842	Smart antenna spec withdrawn	R1												1.0.0		
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	
25.843	1,28 Mcps TDD UE Radio Access Capabilities	R2											4.1.0			
25.844	Radio access bearer support enhancements	R2											4.3.0			

	(HSDPA) enhancements														
25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects	R3													6.0.0
25.909	Enhanced uplink UTRA FDD; UTRAN Iub/Iur protocol aspects <i>spec withdrawn</i>	R3													0.0.1
25.921	Guidelines and principles for protocol description and error handling	R2									3.11.0		4.8.0	5.5.0	.....
25.922	Radio resource management strategies	R2									3.8.0		4.3.0	5.3.0	6.0.1
25.923	Stage 2 Functional Specification of Location Services in UTRAN <i>spec withdrawn</i>	-								1.4.0					
25.924	Opportunity Driven Multiple Access (ODMA) <i>spec withdrawn</i>	R2											1.0.0		
25.925	Radio Interface for Broadcast/Multicast Services	R2									3.4.0				
25.926	UE Radio Access capabilities definition <i>spec withdrawn</i>	R2								3.3.0					
25.928	1,28 Mcps functionality for UTRA TDD physical layer	R1											4.0.1		
25.931	UTRAN Functions, examples on signalling procedures	R3									3.7.0		4.4.0	5.1.0	.....
25.932	Delay budget within the access stratum <i>spec withdrawn</i>	R3											2.0.0		
25.933	IP transport in UTRAN	R3											2.0.0	5.4.0	.....
25.934	AAL2 QoS optimization	R3											4.0.0		
25.935	RRM optimisation	R3											4.1.0		
25.936	Handover for realtime services from PS-domain	R3											4.0.1		
25.937	UTRAN TDD low chiprate	R3											4.1.0		
25.938	Terminal power saving features <i>spec withdrawn</i>	R3											2.0.0		
25.941	Document structure	R4									3.1.0				
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
25.942	Radio Frequency (RF) system scenarios	R4									3.3.0		4.2.0	5.3.0	6.3.0
25.943	Deployment aspects	R4											4.2.0	5.1.0	.....
25.944	Channel coding and multiplexing examples	R1									3.5.0		4.1.0		
25.945	RF requirements for low chip rate TDD option	R4											4.1.1	5.1.0	.....
25.946	RAB Quality of Service (QoS) Negotiation over	R3											4.0.0		

	Iu															
25.950	UTRA high speed downlink packet access	R2											4.0.0			
25.951	Base Station (BS) classification (FDD)	R4											1.1.0	1.5.1	6.2.0	
25.952	Base Station classification (TDD)	R4											1.1.0	5.2.0	.....
25.953	TrFO/TFO	R3											4.0.0			
25.954	Migration to modification procedure	R3											4.0.0			
25.956	UTRA repeater: Planning guidelines and system analysis	R4											4.0.0	5.0.0	.....
25.990	Vocabulary for UTRAN <i>spec withdrawn</i>	R4									3.0.0					
25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment	R4												5.1.0	.....
25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements	RP													6.0.0	
25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)	R2									3.1.0		4.1.0	5.1.0	6.6.0	
25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults	R2												0.0.0	.....
25.995	Measures employed by the UMTS Radio Access Network (RAN) to cater for legacy User Equipment (UE) which conforms to superseded versions of the RAN interface specification	R2												0.0.1	.....
25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations	R1													6.1.0	
25.998	UTRAN recommendation and UE allowance for non-essential corrections of a feature made only in a later release <i>spec withdrawn</i>	R2													0.0.1	
26.071	AMR speech Codec; General description	S4									3.0.1		4.0.0	5.0.0	.....
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
26.073	AMR speech Codec; C-source code	S4									3.3.0		4.1.0	5.3.0	
26.074	AMR speech Codec; Test sequences	S4									3.1.1		4.0.1	5.0.0	

26.075	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec <i>spec withdrawn</i>	-									1.2.0				
26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder	S4											4.0.0	5.0.1	.....
26.078	Results of the AMR noise suppression selection phase <i>spec withdrawn</i>	S4											4.0.0		
26.090	AMR speech Codec; Transcoding Functions	S4									3.1.0		4.0.0	5.0.0	.....
26.091	AMR speech Codec; Error concealment of lost frames	S4									3.1.0		4.0.0	5.0.0	.....
26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	S4									3.0.1		4.0.0	5.0.0	.....
26.093	AMR speech Codec; Source Controlled Rate operation	S4									3.3.0		4.0.0	5.2.0	6.0.0
26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	S4									3.0.0		4.0.0	5.0.0	.....
26.101	Mandatory speech codec speech processing functions; Adaptive Multi-Rate (AMR) speech codec frame structure	S4									3.3.0		4.2.0	5.0.0	.....
26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to lu and Uu	S4									3.4.0		4.1.0	5.2.0	.....
26.103	Speech codec list for GSM and UMTS	S4									3.2.0		4.3.0	5.4.0	.....
26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec	S4									3.5.0		4.5.0	5.4.0	6.1.0
26.110	Codec for circuit switched multimedia telephony service; General description	S4									3.1.0		4.1.0	5.0.0	.....
26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	S4									3.4.0		4.0.0	5.1.0	.....
26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements <i>spec withdrawn</i>	S4									1.1.0				
26.115	Echo control for speech and multimedia services	S4									0.0.1		4.0.0	5.0.0	.....
26.131	Terminal acoustic characteristics for telephony; Requirements	S4									3.4.0		4.2.0	5.2.0	.....
26.132	Narrow band (3,1 kHz) speech and video telephony terminal	S4									3.5.0		4.3.0	5.4.0	.....

Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
	acoustic test specification															
26.140	Multimedia Messaging Service (MMS); Media formats and codes	S4												5.2.0	.....
26.171	AMR speech codec, wideband; General description	S4												5.0.0	.....
26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec	S4												5.8.0	.....
26.174	AMR speech codec, wideband; Test sequences	S4												5.4.0	.....
26.190	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions	S4												5.1.0	.....
26.191	AMR speech codec, wideband; Error concealment of lost frames	S4												5.1.0	.....
26.192	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects	S4												5.0.0	.....
26.193	AMR speech codec, wideband; Source Controlled Rate operation	S4												5.0.0	.....
26.194	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)	S4												5.0.0	.....
26.201	AMR speech codec, wideband; Frame structure	S4												5.0.0	.....
26.202	AMR speech codec, wideband; Interface to Iu and Uu	S4												5.1.0	.....
26.204	ANSI-C code for the floating-point Adaptive Multi-Rate - Wideband (AMR-W) speech codec	S4												5.2.0	.....
26.226	Cellular text telephone modem; General description	S4											4.0.0	5.0.0	.....
26.230	Cellular text telephone modem; Transmitter bit exact C-code	S4											4.0.0	5.0.2	.....
26.231	Global text telephony (GTT); Cellular text telephone modem minimum performance requirements	S4												5.2.0	.....
26.233	End-to-end transparent streaming service; General description	S4											4.2.0	5.0.0	.....
26.234	Transparent end-to-end streaming service;	S4											4.5.0	5.6.0	6.0.0	

	Protocols and codecs															
26.235	Packet switched conversational multimedia applications; Default codecs	S4											4.1.0	5.1.0	6.1.0	
26.236	Packet switched conversational multimedia applications; Transport protocols	S4												5.5.0	6.0.0	
26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end	S4													6.0.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
26.244	Transparent end-to-end streaming service; 3GPP file format (3GP)	S4													6.0.0	
26.245	Transparent end-to-end Packet witched Streaming Service (PS); Timed text format	S4													6.0.0	
26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile	S4													6.0.0	
26.273	Fixed-point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	S4													1.0.0	
26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions	S4													1.0.0	
26.304	Floating--point ANSI-C code for the Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec	S4													1.0.0	
26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs	S4													0.1.0	
26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description	S4													1.0.0	
26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools	S4													1.0.0	
26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part	S4													1.0.0	
26.404	General audio codec audio processing	S4													1.0.0	

	functions; Enhanced aacPlus general audio codec; Encoder specification; Spectral Band Replication (SBR) part															
26.405	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Parametric stereo part	S4													1.0.0	
26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code	S4													1.0.0	
26.901	AMR wideband speech codec; Feasibility study report	S4										4.0.1				
26.911	Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide	S4								3.4.0		4.2.0	5.1.0		.....
26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	S4								3.0.0		4.0.0				
26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G <i>spec withdrawn</i>	S4								0.0.1						
26.915	Echo Control For Speech and Multi-Media Services	S4								3.0.0						
26.920	Architectural Model for the 3G Transcoders <i>spec withdrawn</i>	S4										0.1.1				
26.935	Packet Switched (PS) conversational multimedia applications; Performance characterization of default codecs	S4													6.0.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model	S4												5.0.0	6.0.0	
26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec	S4									3.1.0		4.1.0	5.0.0	
26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec	S4												5.1.0	

26.978	Results of the AMR noise suppression selection phase	S4										4.0.0		
27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	N3								3.15.0		4.12.0	5.8.0	.....
27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	N3								3.5.0		4.0.0	5.0.0	.....
27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	N3								3.5.0		4.1.0	5.0.0	.....
27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)	T2								3.2.0		4.2.0	5.0.0	.....
27.007	AT command set for 3G User Equipment (UE)	T2								3.13.0		4.6.0	5.4.0	6.5.0
27.00U	Principles for handling of data services in the UMTS <i>spec withdrawn</i>	S5			1.2.1									
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol	T2								3.4.0		4.2.0	5.0.0	.....
27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services	N3								3.8.0		4.3.1	5.6.0	6.0.0
27.103	Wide Area Network Synchronization	T2								3.1.0		4.0.0	5.0.0	.....
27.104	vObjects and other constructs for data synchronization <i>spec withdrawn</i>	T2											0.1.1	
27.901	Report on Terminal Interfaces - An Overview	T2								3.1.0		4.1.0	5.0.0	.....
27.903	Discussion of synchronization standards	T2								3.0.0		4.0.0		
28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3	S4								3.0.0		4.5.0	5.4.0	.....
29.002	Mobile Application Part (MAP) specification	N4								3.20.0		4.15.0	5.10.0	6.6.0
29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN) <i>spec withdrawn</i>	N3								3.0.0				
29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched	N3								3.0.0				

	Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access spec withdrawn															
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services spec withdrawn	N3									3.0.0					
29.007	General requirements on interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	N3									3.15.0		4.11.0	5.10.0	.....
29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	N4									3.12.0		4.8.0	5.6.0	6.3.0	
29.011	Signalling Interworking for Supplementary Services	N4									3.0.0		4.0.1	5.0.0	.....
29.013	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	N4									3.0.0		4.0.1	5.0.0	.....
29.016	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	N1									3.1.0		4.1.0	5.0.0	.....
29.018	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	N1									3.11.0		4.5.0	5.5.0	6.0.0	
29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface	N4									3.19.0		4.11.0	5.10.0	6.5.0	
29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)	N3									3.14.0		4.10.0	5.9.0	6.1.0	
29.078	customized Applications for Mobile	N4									3.15.0		4.8.0	5.8.0	6.2.0	

	network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification															
29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R3									3.3.0		4.4.0	5.4.0	6.1.0	
29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Protocol details	N4													1.0.0	
29.119	GPRS Tunneling Protocol (GTP) specification for Gateway Location Register (GLR)	N4									3.0.0		4.0.0	5.0.0	.....
29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3	N4									3.1.0		4.0.0	5.0.0	.....
29.161	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services with Wireless Local Area Network (WLAN) access and Packet data Networks (PDNs)	N3													2.0.0	
29.162	Interworking between the IM CN subsystem and IP networks	N3												1.1.0		
29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks	N3												1.3.1	6.3.0	
29.198	Open Service Architecture (OSA) Application Programming Interface (API) - Part 1	N5									3.4.0					
29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview	N5											4.3.5	5.6.0	6.1.0	
29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data	N5											4.7.0	5.7.0	6.1.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework	N5											4.9.0	5.7.0	6.1.0	
29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control	N5											4.9.0	5.0.0		
29.198-04-1	Open Service Access (OSA) Application	N5												5.6.0	6.2.0	

	Programming Interface (API) for OSA; Parlay X services spec withdrawn																
29.199-1	Open Service Access (OSA); Parlay X web services; Part 1: Overview and common data definitions	N5															1.0.3
29.199-2	Open Service Access (OSA); Parlay X web services; Part 2: Third party call	N5															1.0.3
29.199-3	Open Service Access (OSA); Parlay X web services; Part 3: Network-initiated third party call	N5															1.0.3
29.199-4	Open Service Access (OSA); Parlay X web services; Part 4: Short Message Service (SMS)	N5															1.0.3
29.199-5	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia Message Service (MMS)	N5															1.0.3
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7	
29.199-6	Open Service Access (OSA); Parlay X web services; Part 6: Payment	N5															1.0.3
29.199-7	Open Service Access (OSA); Parlay X web services; Part 7: Account management	N5															1.0.3
29.199-8	Open Service Access (OSA); Parlay X web services; Part 8: User status	N5															1.0.3
29.199-9	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location	N5															1.0.3
29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3	N4											4.3.0	5.2.0			.....
29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3	N4											4.2.0	5.1.0			.....
29.207	Policy control over Go interface	N3												5.8.0	6.0.0		
29.208	End to end Quality of Service (QoS) signalling flows	N3												5.8.0	6.0.0		
29.209	Policy control over Gq interface	N3															2.0.0
29.210	Charging rule provisioning over Gx interface	N3															1.0.0
29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents	N4												5.8.0	6.3.0		

29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details	N4													5.7.0	6.1.0
29.230	Diameter applications; 3GPP specific codes and identifiers	N4														6.0.0
29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3	N4											4.8.0	5.7.0	.....
29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3	N4														1.7.0
29.240	Generic User Profile (GUP); Stage 3; Network	N4														0.3.0
29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)	N4													5.2.0	.....
29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents	N4													5.7.0	6.2.0
29.329	Sh interface based on the Diameter protocol	N4													5.6.0	6.1.0
29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mn interface; Stage 3	N4														1.0.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
29.414	Core network Nb data transport and transport signalling	N3												4.4.0	5.0.0	.....
29.415	Core network Nb interface user plane protocols	N3												4.3.0	5.1.0	.....
29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description	N1														1.6.0
29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details	N1														6.0.0
29.903	Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)	N4													5.0.0	
29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non-3GPP SIP usage	N3														6.1.0
29.994	Recommended	N1										3.0.1	4.0.1	5.0.1	.....

	infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults														
29.998	Open Services Architecture API part 2	N5								3.2.0					
29.998-01	Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General issues on Application Programme Interface (API) mapping	N5										4.0.0	5.0.0	.....
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	N5										4.2.0	5.0.0	.....
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: Multiparty Call Control ISC	N5											5.0.3	6.0.3	
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	N5										4.0.0	5.0.0	.....
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	N5										4.0.0	5.0.0	.....
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	N5										4.0.0	5.0.0	.....
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	N5										4.0.0	5.0.0	.....
30.002	Guidelines for the modification of the Mobile Application Part (MAP) <i>spec withdrawn</i>	N4										4.0.1	5.0.0		

30.00U	SMG - UMTS Work programme spec withdrawn	-				3.6.1										
30.01U	UMTS Baseline document: Collection of the SMG's positions on the UMTS spec withdrawn	-				3.5.1										
30.03U	Selection procedures for the choice of radio transmission technologies of the UMTS	GP				3.2.0										
30.04U	Definition of the limited number of UTRA concepts spec withdrawn	GP				3.0.1										
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
30.06U	UTRA Concept Evaluation Reports	GP				3.0.0										
30.20U	Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS spec withdrawn	-				3.1.0										
30.504	Work Plan and Study Items - RAN WG4 spec withdrawn	R4											2.2.0			
30.531	Work Plan and Study Items - RAN WG3	R3									0.13.1				0.11.0	
30.801	Overall Project Plan spec withdrawn	S2											1.1.0			
30.802	Project plan on Bearer Services and QoS spec withdrawn	S2											4.0.0			
30.804	Project plan on GSM/UMTS Interoperation and Mobility Management spec withdrawn	S2											1.0.0			
30.806	Project plan on Location based services spec withdrawn	S2											1.0.0			
30.808	Project plan on Packet Architecture and Circuit Architecture spec withdrawn	S2											1.0.0			
30.810	Project plan on Security spec withdrawn	S2											1.0.0			
30.812	Project plan on Services and Service platforms spec withdrawn	S2											1.0.0			
30.902	Guidelines for the modification of the Mobile Application Part (MAP)	N4											4.0.2	5.0.1	.....
31.101	UICC-terminal interface; Physical and logical characteristics	T3									3.3.0		4.1.0	5.1.0	6.2.0	
31.102	Characteristics of the USIM application	T3									3.17.0		4.13.0	5.9.0	6.6.0	

	1980, 2010-2025 and 2110-2200 MHz <i>spec withdrawn</i>															
31.60U	Essential requirements for UMTS Mobile Earth Stations (MES) operating within frequency bands 1980-2010 and 2170-2200 MHz <i>spec withdrawn</i>					0.0.0										
31.900	SIM/USIM internal and external interworking aspects	T3									3.2.0		4.0.0	5.4.0	.....
31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking	T3														6.0.0
32.005	Telecommunications management; Charging management; 3G call and event data for the Circuit Switched (CS) domain	S5									3.7.0					
32.015	Telecommunications management; Charging management; 3G call and event data for the Packet Switched (PS) domain	S5									3.12.0					
32.01U	Overall principles of the OAM for the UMTS <i>spec withdrawn</i>	SMG12				1.0.0										
32.101	Telecommunication management; Principles and high level requirements	S5									3.4.0		4.2.1	5.5.0	6.0.0	
32.102	Telecommunication management; Architecture	S5									3.2.0		4.5.0	5.6.0	6.3.0	
32.104	Telecommunication management; 3G Performance Management	S5									3.8.0		4.0.0			
32.105	3G charging and billing; Stage 2 description <i>spec withdrawn</i>	S5											0.0.4			
32.106	Configuration Management <i>spec withdrawn</i>	S5									3.0.1					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements	S5									3.1.0		4.0.0			
32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service (IS)	S5									3.3.0					
32.106-3	Telecommunication	S5									3.3.0					

	management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)														
32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)	S5									3.2.1				
32.106-5	Telecommunication management; Configuration Management (CM); Part 5: Basic CM Integration Reference Point (IRP): Information model (including Network Resource Model (NRM)	S5									3.2.0				
32.106-6	Telecommunication management; Configuration Management (CM); Part 6: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5									3.4.0				
32.106-7	Telecommunication management; Configuration Management (CM); Part 7: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5									3.3.0				
32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects	S5									3.2.0		4.0.0		
32.108	Telecommunication management; Subscriber and equipment trace <i>spec withdrawn</i>	S5												0.1.0	
32.111	3G Fault Management <i>spec withdrawn</i>	S5									3.2.0		4.0.0		
32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements	S5									3.2.0		4.0.1	5.1.1	6.0.0
32.111-2	Telecommunication management; Fault Management; Part 2:	S5									3.3.0		4.7.0	5.4.0	6.1.0

	Alarm Integration Reference Point (IRP): Information Service (IS)															
32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5									3.6.0		4.6.0	5.5.1	6.0.0	
32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5									3.2.0		4.6.0	5.7.1	6.1.0	
32.112-1	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 1: Requirements <i>spec withdrawn</i>	S5											2.0.0			
32.112-2	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 2: Information service <i>spec withdrawn</i>	S2											2.0.0			
32.140	Telecommunication management; Subscription Management (SuM) requirements	S5											0.1.0	0.5.5	6.2.0	
32.141	Telecommunication management; Subscription Management (SuM) architecture	S5													6.1.0	
32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions	S5													6.0.0	
32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template	S5													6.0.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire	S5													6.1.0	
32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP):	S5													6.0.0	

	(IMS) charging															
32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging	S5														1.0.0
32.271	Telecommunication management; Charging management; Location Services (LCS) charging	S5														1.0.0
32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging	S5														0.0.2
32.296	Telecommunication management; Charging management; On line Charging System (OCS): Applications and interfaces	S5														1.8.0
32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer	S5														6.0.0
32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description	S5														1.0.0
32.299	Telecommunication management; Charging management; Diameter charging applications	S5														1.0.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects	S5											4.1.1	5.0.1		
32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements	S5											4.0.2	5.0.1	6.0.0	
32.301-1	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements <i>spec withdrawn</i>	S5											2.0.0			
32.301-2	Telecommunication management; Configuration	S5											2.0.0			

	Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service <i>spec</i> <i>withdrawn</i>																
32.301-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set <i>spec</i> <i>withdrawn</i>	S5										2.0.0					
32.301-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: Common Management Information Protocol (CMIP) solution <i>spec</i> <i>withdrawn</i>	S5										2.0.0					
32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)	S5										4.2.0	5.1.0	6.0.0			
32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5										4.5.0	5.2.0	6.0.0			
32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5										4.2.1	5.2.1	6.0.0			
32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements	S5										4.1.0	5.1.0	6.0.0			
32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)	S5										4.1.0	5.1.0	6.0.0			
32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements	S5											5.0.1	6.0.0			

	Point (IRP): Information Service (IS)															
32.413	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5														6.1.0
32.421	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements	S5														6.3.0
32.422	Telecommunication management; Subscriber and equipment trace; Trace control and Configuration Management (CM)	S5														1.0.0
32.431	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Requirements	S5														1.0.0
32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements	S5										4.0.0	5.0.1			6.0.0
32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements	S5										4.0.0	5.0.1			6.0.0
32.601-1	Telecommunication management; Configuration Management (CM); Part 1: Basic CM Integration Reference Point (IRP): requirements <i>spec withdrawn</i>	S5										2.0.0				
Spec no.	Title	WG	Ph1	Ph1- DCS	Ph1- EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F 7
32.601-2	Telecommunication management; Configuration Management (CM); Part 2: Basic CM Integration Reference Point (IRP) information model <i>spec withdrawn</i>	S5											2.0.0			
32.601-3	Telecommunication management; Configuration Management (CM); Part 3: Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set <i>spec</i>	S5											2.0.0			

	<i>withdrawn</i>																
32.601-4	Telecommunication management; Configuration Management (CM); Part 4: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set <i>spec withdrawn</i>	S5											2.0.0				
32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)	S5											4.3.0	5.3.0	6.0.0		
32.602-1	Telecommunication management; Configuration Management (CM); CMt: Bulk CM Integration Reference Point (IRP) requirements <i>spec withdrawn</i>	S5											2.0.0				
32.602-2	Telecommunication management; Configuration Management (CM); CMt: Bulk Configuration Management Integration Reference Point (IRP): Information service <i>spec withdrawn</i>	S5											2.0.0				
32.602-3	Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set <i>spec withdrawn</i>	S5											2.0.0				
32.602-4	Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set <i>spec withdrawn</i>	S5											2.0.0				
32.602-5	Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): XML file format definition <i>spec withdrawn</i>	S5											2.0.0				

32.603	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5										4.3.1	5.2.0	6.0.0
32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)	S5										4.2.0	5.0.0	6.0.0
32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements	S5										4.0.0	5.1.0	6.0.0
32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)	S5										4.6.0	5.3.0	6.0.0
32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5										4.4.0	5.1.0	6.0.0
32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5										4.3.0	5.0.0	6.0.0
32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition	S5										4.5.0	5.5.0	.....
32.620-1	Telecommunication management; Configuration Management (CM); Part 1: Generic network resources Integration Reference Point (IRP): requirements <i>spec withdrawn</i>	S5										2.0.0		
32.620-2	Telecommunication management;	S5										2.0.0		

	Configuration Management (CM); Part 2: Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM) spec withdrawn															
32.620-3	Telecommunication management; Configuration Management (CM); Part 3: Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set spec withdrawn	S5											2.0.0			
32.620-4	Telecommunication management; Configuration Management (CM); Part 4: Generic network resources: Integration Reference Point (IRP) Common Management Information Protocol (CMIP) solution set spec withdrawn	S5											2.0.0			
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F
32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements	S5											4.0.0	5.0.0	.....
32.621-1	Telecommunication management; Configuration Management (CM); Part 1: Core network resources Integration Reference Point (IRP): requirements spec withdrawn	S5											2.0.0			
32.621-2	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM) spec withdrawn	S5											2.0.0			
32.621-3	Telecommunication management; Configuration Management (CM); Part 3: Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set spec withdrawn	S5											2.0.0			
32.621-4	Telecommunication management;	S5											2.0.0			

	Configuration Management (CM); Part 4: Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set spec withdrawn														
32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5										4.4.0	5.4.0	6.2.0	
32.622-1	Telecommunication management; Configuration Management (CM); Part 1: UTRAN network resources Integration Reference Point (IRP): requirements spec withdrawn	S5										2.0.0			
32.622-2	Telecommunication management; Configuration Management (CM); Part 2: UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM) spec withdrawn	S5										2.0.0			
32.622-3	Telecommunication management; Configuration Management (CM); Part 3: UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set spec withdrawn	S5										2.0.0			
32.622-4	Telecommunication management; Configuration Management (CM); Part 4: UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set spec withdrawn	S5										2.0.0			
32.623	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5										4.3.0	5.3.0	6.2.0	
32.623-1	Telecommunication management;	S5										2.0.0			

	Configuration Management (CM); Part 1: GERAN network resources Integration Reference Point (IRP): requirements <i>spec withdrawn</i>														
32.623-2	Telecommunication management; Configuration Management (CM); Part 2: GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM) <i>spec withdrawn</i>	S5										2.0.0			
32.623-3	Telecommunication management; Configuration Management (CM); Part 3: GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set <i>spec withdrawn</i>	S5										2.0.0			
32.623-4	Telecommunication management; Configuration Management (CM); Part 4: GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set <i>spec withdrawn</i>	S5										2.0.0			
32.624	Telecommunication management; Configuration Management (CM); Generic network resources: Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5										4.6.0	5.4.0	6.0.0	
32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5											5.3.0	6.2.0	
32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements	S5										4.0.0	5.0.0	.....
32.632	Telecommunication management; Configuration	S5										4.4.0	5.5.0	.....

	Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)															
32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set	S5											4.1.0	5.1.0	.....
Spec no.	Title	WG	Ph1	Ph1- DCS	Ph1- EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	
32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set	S5											4.1.1	5.2.0	.....
32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5												5.3.0	.....
32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements	S5											4.0.0	5.0.0	6.0.0	
32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5											4.4.0	5.4.0	6.1.0	
32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5											4.3.0	5.3.0	6.1.0	
32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management	S5											4.3.0	5.5.0	.....

	Information Protocol (CMIP) Solution Set (SS)														
32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5											5.5.0	6.0.0	
32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements	S5										4.0.0	5.0.0	.....
32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)	S5										4.5.0	5.3.0	.....
32.653	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5										4.2.0	5.2.0	.....
32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5										4.2.0	5.4.0	.....
32.655	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition	S5											5.5.0	.....
32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements	S5											5.1.0	6.1.0	
32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)	S5											5.2.0	6.3.0	

32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5												5.2.0	6.1.0
32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5												5.0.0	6.1.0
32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements	S5												5.0.0	6.0.0
32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)	S5												5.0.0	6.0.0
32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)	S5												5.1.0	6.0.0
32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)	S5												5.1.0	6.0.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements	S5													1.0.0
32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements	S5												5.0.0	6.0.0
32.692	Telecommunication management;	S5												5.0.0	.....

32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study	S5														6.0.0
33.102	3G security; Security architecture	S3									3.13.0		4.5.0	5.4.0	6.1.0	
33.103	3G security; Integration guidelines	S3									3.7.0		4.2.0	.....	.....
33.105	Cryptographic algorithm requirements	S3									3.8.0		4.2.0	5.0.0	6.0.0	
33.106	Lawful interception requirements	S3									3.1.0		4.0.0	5.1.0	6.1.0	
33.107	3G security; Lawful interception architecture and functions	S3									3.5.0		4.3.0	5.6.0	6.2.0	
33.108	3G security; Handover interface for Lawful Interception (LI)	S3												5.8.0	6.6.0	
33.109	Bootstrapping of application security using AKA and support for subscriber certificates; System description <i>spec withdrawn</i>	S3														0.3.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	7
33.120	Security Objectives and Principles	S3									3.0.0		4.0.0			
33.141	Presence service; Security	S3													6.0.0	
33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security	S3											4.3.0	5.1.0	.....
33.203	3G security; Access security for IP-based services	S3												5.8.0	6.3.0	
33.20U	Security principles for the UMTS <i>spec withdrawn</i>	-				3.0.0										
33.210	3G security; Network Domain Security (NDS); IP network layer security	S3												5.5.0	6.5.0	
33.21U	Security requirements <i>spec withdrawn</i>	-				3.0.0										
33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture	S3													6.1.0	
33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates	S3													6.0.0	
33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)	S3													6.0.0	

34.01U	Application integration and application programming interfaces spec withdrawn	SP				0.0.0										
34.108	Common test environments for User Equipment (UE) conformance testing	T1									3.16.0		4.11.0	5.1.0		
34.109	Terminal logical test interface; Special conformance testing functions	R2									3.9.0		4.5.0	5.3.0		
34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	T1									3.14.0		4.1.0	5.4.0		
34.122	Terminal conformance specification, Radio transmission and reception (TDD)	T1									3.12.0		4.10.0	5.0.0		
34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification	T1									3.5.0		4.3.0	5.8.0		
34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification	T1									3.5.0		4.3.0	5.8.0		
34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSS)	T1									3.6.1					
34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment	R4									3.4.0		4.2.0	5.4.0		
34.131	Test specification for C-language binding for (U)SIM API	T3														6.0.0
34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance	T1									3.0.0					
34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests	T1												1.2.0		
34.907	Report on electrical safety requirements and regulations	T2									3.0.0					
34.910	Identification of test requirements for regulatory purposes in different regions/countries	T1											1.0.0			
34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	T2									3.0.0					
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7

34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment	R4										4.0.0	5.1.0	.....
35.10U	UMTS Terminal aspects; Man Machine Interface (MMI) spec withdrawn	SP				0.0.0								
35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	S3									3.2.0	4.1.0	5.0.0	.....
35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	S3									3.1.2	4.0.0	5.0.0	.....
35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	S3									3.1.2	4.0.0	5.0.0	.....
35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	S3									3.1.2	4.0.0	5.0.0	.....
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	S3									3.0.0	4.0.0	5.0.0	.....
35.206	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification	S3									3.0.0	4.0.0	5.1.0	.....
35.207	3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data	S3									3.0.0	4.0.0	5.0.0	.....
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*;	S3									3.0.0	4.0.0	5.0.0	.....

	Document 4: Design conformance test data																
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 spec withdrawn	S3															
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	S3												4.0.0	5.0.0		
41.001	GSM Specification set spec withdrawn	SP												1.0.0			
41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	S3												4.0.1	5.0.0		
41.033	Lawful Interception requirements for GSM	S3												4.0.1	5.0.0		
41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	S3												4.0.0			
41.101	Technical Specifications and Technical Reports for a GERAN-based 3GPP system	SP												4.11.0	5.7.0		
41.102	GSM Release 4 specifications spec withdrawn	SP												4.9.0			
41.103	GSM Release 5 specifications spec withdrawn	SP													5.4.0		
42.009	Security Aspects	S3												4.0.0			
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	Rel-7	
42.017	Subscriber Identity Module (SIM); Functional characteristics	T3												4.0.0			
42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1	T3												4.0.0	5.0.0		
42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1 spec withdrawn	S3												4.0.0	5.0.0		
42.032	Immediate Service Termination (IST); Service description; Stage 1 spec withdrawn	S3												4.0.0			

42.033	Lawful Interception; Stage 1	S3											4.0.0	5.0.0	.....
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1	S1											4.0.0	5.0.0	.....
42.048	Security mechanisms for the SIM Application Toolkit; Stage 1 spec withdrawn	T3											4.0.0			
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	S1											4.0.0	5.0.0	.....
42.068	Voice Group Call Service (VGCS); Stage 1	S1											4.1.0	5.0.1	.....
42.069	Voice Broadcast Service (VBS); Stage 1	S1											4.1.0	5.0.1	.....
43.005	Technical performance objectives	NP											4.0.0	5.0.0	.....
43.010	GSM Public Land Mobile Network (PLMN) connection types	N3											4.2.0	5.2.0	.....
43.013	Discontinuous Reception (DRX) in the GSM system	G1											4.0.0	5.0.0	.....
43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2	T3											4.3.0	5.6.0		
43.020	Security-related network functions	S3											4.0.0	5.0.0	.....
43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode	G1											4.5.0	5.1.0	6.0.0	
43.026	Multiband operation of GSM / DCS 1800 by a single operator	G1											4.0.1	5.0.1	.....
43.030	Radio network planning aspects	G1											4.0.1	5.1.0	.....
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2 spec withdrawn	S3											4.0.0	5.0.0		
43.033	Lawful Interception; Stage 2	S3											4.0.0	5.0.0		
Spec no.	Title	WG	Ph1	Ph1- DCS	Ph1- EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F Z
43.035	Immediate Service Termination (IST); Stage 2 spec withdrawn	S3											4.1.0			
43.045	Technical Realization of Facsimile Group 3 Service - transparent	N3											4.0.0	5.0.0	.....
43.046	Technical Realization of Facsimile Group 3 Service - non transparent spec withdrawn	N3											4.0.0			
43.048	Security Mechanisms for SIM Toolkit Application; Stage	T3											4.0.0			

	2 <i>spec withdrawn</i>															
43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	S4											4.0.0	5.0.0	.....
43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2	G1											4.0.0	5.10.0	6.0.0	
43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2	G1											4.0.0	5.0.0	.....
43.055	Dual Transfer Mode (DTM); Stage 2	G1											4.4.0	5.3.0	6.6.0	
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	S4											4.0.0	5.0.0	.....
43.059	Functional stage 2 description of Location Services (LCS) in GERAN	G1											4.6.0	5.4.0	6.3.0	
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2 <i>spec withdrawn</i>	N1											4.0.0			
43.064	Overall description of the GPRS radio interface; Stage 2	G1											4.5.0	5.3.0	6.4.0	
43.068	Voice Group Call Service (VGCS); Stage 2	N1											4.3.0	5.3.0	6.1.0	
43.069	Voice Broadcast service (VBS); Stage 2	N1											4.3.0	5.3.0	.....
43.071	Location Services (LCS); Functional description; Stage 2 (GSM) <i>spec withdrawn</i>	S2											4.0.0			
43.073	Support of Localised Service Area (SoLSA); Stage 2	N4											4.0.0	5.0.0	.....
43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2	G2													0.6.0	
43.130	Iur-g interface; Stage 2	G1												5.0.0	.....
43.246	Multimedia Broadcast/Multicast Service (MBMS) in GERAN; Stage 2	G2													6.0.0	
43.900	Support for voice optimization for the IMS in the GERAN <i>spec withdrawn</i>	G1												1.0.0		
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
43.930	Iur-g interface; Stage 2 <i>spec withdrawn</i>	G2												5.1.0		
44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	N1											4.1.0	5.0.0	.....

44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	G2										4.0.0	5.0.1	6.0.0
44.004	Layer 1 - General Requirements	G2										4.2.0	5.3.0	6.0.0
44.005	Data Link (DL) Layer General Aspects	G2										4.0.0	5.0.1	6.0.0
44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	G2										4.1.1	5.0.1	6.0.0
44.008	Mobile radio interface layer 3 specification <i>spec withdrawn</i>	N1										4.0.0		
44.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	G2										4.0.1	5.0.1	.....
44.013	Performance Requirements on Mobile Radio Interface	N1										4.1.0	5.0.0	.....
44.014	Individual equipment type requirements and interworking; Special conformance testing functions	G2										4.4.0	5.3.0	6.1.0
44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol	G2										4.19.0	5.17.0	6.9.0
44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	N3										4.1.0	5.2.0	.....
44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)	G2										4.11.0	5.10.0	6.5.0
44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods	G2										4.1.0	5.0.1	.....
44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	N1										4.0.0	5.0.0	.....
44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	N1										4.0.0	5.0.0	.....
44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio	G2										4.18.0	5.13.0	6.9.0

	Link Control/ Medium Access Control (RLC/MAC) protocol														
44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3 <i>spec withdrawn</i>	N1											4.0.0		
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	N1											4.3.0	5.1.0	.....
44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	N1											4.2.0	5.1.0	6.2.0
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
44.068	Group Call Control (GCC) Protocol	N1											4.3.0	5.0.1	6.0.0
44.069	Broadcast Call Control (BCC) protocol	N1											4.3.0	5.0.0	.....
44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification	G2											4.3.0	5.0.1	.....
44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; lu mode	G2												5.10.0	6.3.0
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 lu mode	G2												5.8.0	6.5.0
44.901	External network assisted cell change (NACC)	G2												5.1.0	.....
44.933	Seamless support of streaming services in GERAN A/Gb mode	G2													1.3.0
45.001	Physical layer on the radio path; General description	G1											4.3.0	5.7.0	6.4.0
45.002	Multiplexing and multiple access on the radio path	G1											4.8.0	5.12.0	6.6.0
45.003	Channel coding	G1											4.2.0	5.10.0	6.5.0
45.004	Modulation	G1											4.2.0	5.1.1	.....
45.005	Radio transmission and reception	G1											4.14.0	5.9.0	6.6.0
45.008	Radio subsystem link control	G1											4.15.0	5.17.0	6.9.0
45.009	Link adaptation	G1											4.2.0	5.5.0	6.1.0
45.010	Radio subsystem synchronization	G1											4.5.0	5.3.0	6.2.0
45.022	Radio link management in hierarchical networks	G1											4.0.0	5.0.0	.....

45.050	Background for RF Requirements	G1												4.0.1	5.0.1	6.0.0	
45.056	CTS-FP Radio Sub-system	G1												4.0.0	5.0.0	
45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS	G1														6.0.0	
45.902	Flexible layer 1	G1														6.6.0	
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6		
45.903	Single Antenna receiver Interference Cancellation (SAIC); Feasibility study	G1														0.0.0	
46.001	Full Rate Speech Processing Functions	S4											4.0.0	5.0.0	.....	
46.002	Half Rate Speech Processing Functions	S4											4.0.0	5.0.0	.....	
46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec	S4											4.0.0	5.0.0	.....	
46.007	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	S4											4.0.0	5.0.0	.....	
46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	S4											4.0.0	5.0.0	.....	
46.010	Full-rate speech transcoding	S4											4.1.0	5.0.0	.....	
46.011	Substitution and Muting of Lost Frames for Full Rate Speech Channels	S4											4.0.0	5.0.0	.....	
46.012	Comfort Noise Aspects for Full Rate Speech Traffic Channels	S4											4.1.0	5.0.0	.....	
46.020	Half Rate Speech Transcoding	S4											4.0.0	5.0.0	.....	
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels	S4											4.0.0	5.0.0	.....	
46.022	Comfort Noise Aspects for Half Rate Speech Traffic Channels	S4											4.0.0	5.0.0	.....	
46.031	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	S4											4.0.0	5.0.0	.....	
46.032	Voice Activity Detection (VAD)	S4											4.0.0	5.0.0	.....	
46.041	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	S4											4.0.0	5.0.0	.....	
46.042	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	S4											4.0.0	5.0.0	.....	
46.051	GSM Enhanced full rate speech processing functions: General description	S4											4.0.0	5.0.0	.....	

46.053	ANSI-C code for the GSM Enhanced full rate speech codec	S4											4.0.0	5.0.0	.....
46.054	Test sequences for the GSM Enhanced Full Rate (EFR)	S4											4.0.0	5.0.0	.....
46.055	Performance characterisation of the GSM EFR Speech Codec	S4											4.0.0	5.0.0	.....
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6
46.060	Enhanced full rate speech transcoding	S4											4.0.0	5.0.0	.....
46.061	Substitution and muting of lost frames for enhanced full rate speech traffic channels	S4											4.0.0	5.0.0	.....
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	S4											4.0.0	5.0.0	.....
46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report	S4											4.0.1		
46.081	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels	S4											4.0.0	5.0.0	.....
46.082	Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	S4											4.0.0	5.0.0	.....
46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	S4											4.0.0	5.0.0	.....
48.001	General Aspects on the BSS-MSC Interface	G2											4.0.0	5.0.1	.....
48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	G2											4.2.0	5.1.0	.....
48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	G2											4.0.0	5.0.1	.....
48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	G2											4.0.0	5.0.1	6.0.0
48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	G2											4.10.0	5.12.0	6.6.0
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	G2											4.0.0	5.0.1	.....
48.016	General Packet Radio	G2											4.4.0	5.3.0	6.0.0

	Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service															
48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	G2											4.7.0	5.10.0	6.5.0	
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	N3											4.1.0	5.2.0	.....
48.031	Location Services LCS; Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification	G2											4.1.0	5.0.0	.....
48.051	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	G2											4.1.0	5.0.1	.....
48.052	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	G2											4.0.1	5.0.1	.....
48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits	G2											4.0.0	5.0.1	.....
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7
48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification	G2											4.0.0	5.0.0	.....
48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	G2											4.1.0	5.6.0	6.0.0	
48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels	G1											4.1.0	5.2.0	.....
48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels	G1											4.1.1	5.0.0	.....
48.071	Location Services (LCS); Serving Mobile Location Centre - Base Station System (SMLC-BSS) interface; Layer 3 specification	G2											4.4.0	5.1.0	6.6.0	
49.001	General network interworking scenarios	N4											4.0.1	5.0.0	.....
49.008	Application of the Base Station System Application Part	N1											4.1.0	5.1.0	.....

	(BSSAP) on the E-Interface															
49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)	G2										4.4.0	5.4.0	6.3.0		
50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1 <i>spec withdrawn</i>	S2										4.0.0				
50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE	G1										4.0.1				
50.099	GERAN project plan and open issues	GP										0.23.0	0.1.6	0.1.6		
51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification	G3new										4.10.0	5.10.0	.....	
51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	G3new										4.7.0	5.10.0	.....	
51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	G3new										4.8.0	5.3.0	.....	
51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification	T3										0.0.1	.....	.....
51.010-5	Mobile Station (MS) conformance specification; Part 5: GERAN / UTRAN interaction Abstract Test Suite (ATS)	G3new											0.0.0	.....	
51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	T3										4.12.0	5.0.0			
51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card	T3										4.1.0	5.1.0	.....	
51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	T3										4.3.0				
51.021	GSM radio aspects base station system equipment specification	G1										4.4.0	5.3.0	6.2.0		
Spec no.	Title	WG	Ph1	Ph1-DCS	Ph1-EXT	UMTS	Ph2	R96	R97	R98	R99	R00	Rel-4	Rel-5	Rel-6	F7

51.026	GSM Repeater Equipment Specification	G1											4.0.0	5.0.0	.....	
52.008	Telecommunication management; GSM subscriber and equipment trace	S5														0.1.2	
52.021	Network Management (NM) Procedures and messages on the A-bis interface	G1											4.0.0	5.0.0	.....	
52.071	Location Services (LCS); Location services (LCS) management <i>spec withdrawn</i>	S5											4.1.0				
52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM	S5											4.1.0	5.0.0	.....	
55.205	Specification of the GSM-MILENAGE algorithms: An example algorithm set for the GSM Authentication and Key Generation Functions A3 and A8	S3														6.1.0	
55.216	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 1: A5/3 and GEA3 specification	S3														6.2.0	
55.217	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 2: Implementors' test data	S3														6.1.0	
55.218	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 3: Design and conformance test data	S3														6.1.0	
55.226	Specification of the A5/4 encryption algorithms for GSM and ECSD, and the GEA4 encryption algorithm for GPRS; Document 1: A5/4 and GEA4 specification	S3														1.0.0	Y
55.919	Specification of the A5/3 encryption algorithms for GSM and EDGE, and the GEA3 encryption algorithm for GPRS; Document 4: Design and evaluation report	S3														6.1.0	

