Technical Specification Group Terminals   *TSGT#27(05)0048*

Meeting #27, 09 - 11 March 2005,

Tokyo, Japan

3GPP TSG-CN	*Tdoc NP-050122*
3GPP TSG-RAN	*Tdoc RP-050138*
3GPP TSG-SA	*Tdoc SP-050127*
Meeting #27, Tokyo, Japan, March 2005	

Source:	**MCC**
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Title:	**Specs lists per Release; a comparison**
Document for:	**information**

TSGs CN, T and RAN are used to seeing draft CRs to 01.01 / 41.101 and 21.101 at each plenary meeting. Those CRs were then corrected in the light of the meetings currently taking place, and approved at the end of the SA plenary.

Now that Release 6 versions of these Technical Specifications exist, the task of reviewing the CRs is beginning to become unmanageable for delegates and Specs Manager alike. Therefore, although those CRs will still be produced, they will be presented only to SA. For the TSGs which meet in the preceding week, the matrix in this document is provided instead. It is easier to see at a glance which TS and TR appears in each Release, and it is even possible to identify the current version of each spec.

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

3GPP Specification Release version matrix

This table shows the versions which exist in each Release of the 3GPP specifications.

Versions in bold green **are current and under active maintenance.**

Versions in italic red are withdrawn.

Where no version is shown for a given Release, there is no valid spec for that Release.

Phase 1 DCS and Extension Releases are shown separately from Phase 1 proper.

The "UMTS" Release indicates specs produced by ETSI TC SMG prior to the creation of 3GPP. (These specs have a "U" suffixed to their number.)

The "R00" Release was abandoned in favour of Rel-4 and Rel-5.

The 13.-series specifications (which relate to European regulatory requirements) are included in the table for information. On closure of ETSI TC SMG, the active ones were transferred to TC MSG; the version shown in the table reflects that current at the time of the transfer and should NOT be used to indicate the current version.

Click on a specification number for detailed information on it.

The Releases of little interest (Phase 1 in its various guises, Phase 2, ex-SMG-UMTS, and the defunct R00) are hidden in the table, but if necessary can easily be revealed by selecting the table and choosing Format | Column | Unhide. The table can be filtered by Working Group using the pull-down arrows in the header row.

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
00.01U	Work programme for the standarization of Universal Mobile Telecommunications System (UMTS) *spec withdrawn*						
00.02U	Coordination guideline for SMG on UMTS with respect to ITU and European research programmes *spec withdrawn*						
01.00	Working Procedures for SMG and PT SMG *spec withdrawn*	*5.2.0*		*7.2.0*	*8.0.0*		
01.01	Technical Specifications and Technical Reports for a GERAN based 3GPP system	**5.0.0**	**6.0.0**	**7.0.0**	**8.15.0**		
01.01U	Universal Mobile Telecommunications System (UMTS); Objectives and overview *spec withdrawn*						
01.02	General Description of a GSM Public Land Mobile Network (PLMN)	**5.0.0**	**6.0.1**				
01.03U	Universal Mobile Telecommunications System (UMTS); System requirements *spec withdrawn*						
01.04	Abbreviations and acronyms	**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) *spec withdrawn*						
01.05U	System design methodology for the UMTS *spec withdrawn*						
01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0	*5.0.0*		**7.0.1**	**8.0.0**		
01.33	Lawful Interception requirements for GSM			**7.0.0**	**8.0.0**		
01.48	ISDN-based DECT/GSM interworking; Feasibility study	**5.0.1**	**6.0.1**				
01.50	Radio Local Loop (RLL) using GSM *spec withdrawn*	*1.0.0*					
01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements			**7.0.0**	*8.0.0*		
01.60	GPRS requirements		**6.0.0**				
01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	*5.0.0*	**6.0.1**	**7.0.0**	**8.0.0**		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
02.01	Principles of telecommunication services supported by a GSM Public Land Mobile Network(PLMN)	5.5.0	6.2.0	7.1.0	8.2.1		
02.01U	Framework for services to be supported by UMTS **spec withdrawn**						
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	5.3.2	6.1.1	7.0.2	8.0.0		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	5.3.2	6.0.0	7.0.0	8.0.0		
02.04	General on Supplementary Services	5.7.4	6.1.1	7.1.2	8.1.0		
02.05	Simultaneous and Alternate Use of Services **spec withdrawn**						
02.06	Types of Mobile Stations (MS)	5.2.1	6.1.1	7.0.1			
02.06dcs	Types of Mobile Stations (MS) - DCS 1800						
02.07	Mobile Station (MS) Features	5.4.1	6.2.0	7.1.0	8.1.0		
02.08	Quality of Service (QoS) / GSM system performance **spec withdrawn**						
02.09	Security aspects	5.2.1	6.1.1	7.1.1	8.0.1		
02.11	Service accessibility	5.0.1	6.1.0	7.1.0			
02.11dcs	Service accessibility (DCS 1800)						
02.16	International Mobile Station Equipment Identities (IMEI)	5.2.0	6.2.0	7.2.0			
02.17	Subscriber Identity Module (SIM); Functional characteristics	5.1.1	6.0.0	7.1.1	8.0.0		
02.19	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1			7.1.0	8.0.0		
02.20	Collection charges						
02.21	Transferred account procedure and billing information **spec withdrawn**						
02.22	Stage 1 for personalisation of GSM ME	5.4.0	6.0.0	7.0.0			
02.24	Description of Charge Advice Information (CAI)	5.0.1	6.0.1	7.0.1			
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	5.7.1	6.1.0	7.1.1			
02.31	Fraud Information Gathering System (FIGS); Service description; Stage 1	5.0.0		7.1.1	8.0.1		
02.32	Immediate Service Termination (IST); Service description; Stage 1			7.1.1	8.0.1		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
02.33	Lawful Interception (LI); Stage 1	5.0.0		7.3.0	8.0.1		
02.34	High Speed Circuit Switched Data (HSCSD); Stage 1	5.2.1	6.0.0	7.0.0	8.1.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
02.38	SIM application toolkit (SAT); Stage 1 *spec withdrawn*	*1.0.0*					
02.40	Procedures for Call Progress Indications	5.0.0	6.0.0	7.0.1	*8.0.0*		
02.41	Operator Determined Barring	5.1.1	6.0.0	7.0.0			
02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	5.1.0	6.0.0	7.0.0	*8.0.0*		
02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1			7.3.0	8.0.0		
02.48	Security mechanisms for the SIM Application Toolkit; Stage 1		6.0.0	7.0.0	8.0.0		
02.53	Tandem Free Operation (TFO); Service description; Stage 1	*5.1.0*		7.0.1	8.0.1		
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1			7.2.1	8.0.1		
02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1			7.1.0	*8.0.0*		
02.60	General Packet Radio Service Stage 1 Description	*5.2.0*	6.3.1	7.5.0	*8.1.0*		
02.63	Packet Data on Signalling channels Service (PDS); Stage 1	5.0.0	6.0.0	7.0.0			
02.66	Support of Mobile Number Portability (MNP); Service description; Stage 1	*5.0.0*		7.1.0			
02.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1	5.1.1	6.1.1	7.0.1			
02.68	Voice Group Call Service (VGCS); Stage 1	5.2.1	6.0.1	7.0.2	8.1.0		
02.69	Voice Broadcast Service (VBS); Stage 1	5.2.1	6.0.1	7.0.2	8.1.0		
02.71	Location Services (LCS); Stage 1			7.3.0			
02.72	Call Deflection Service description; Stage 1	*5.0.0*		7.2.1			
02.76	Noise Suppression for the AMR				8.0.1		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	5.6.0	6.6.1	7.2.0	*8.0.0*		
02.79	Support of Optimal Routeing (SOR); Service definition (Stage 1)	5.2.0	6.0.0	7.0.0			
02.81	Line Identification Supplementary Services; Stage 1	5.1.0	6.0.0	7.0.0			
02.82	Call Forwarding (CF) Supplementary Services; Stage 1	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	5.0.0	6.0.0	7.0.0			

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
02.84	MultiParty (MPTY) Supplementary Services; Stage 1	5.0.0	6.0.0	7.0.0			
02.85	Closed User Group (CUG) Supplementary Services; Stage 1	5.0.0	6.0.0	7.0.0			
02.86	Advice of Charge (AoC) Supplementary Services; Stage 1	5.0.0	6.0.0	7.0.0			
02.87	User-to-User Signalling (UUS) Service Description; Stage 1	5.3.0		7.1.2			
02.88	Call Barring (CB) Supplementary Services; Stage 1	5.0.0	6.0.0	7.0.0			
02.90	Unstructured Supplementary Service Data (USSD); Stage 1	5.1.0	6.0.0	7.0.0	8.0.0		
02.91	Explicit Call Transfer (ECT)	5.1.1	6.0.0	7.0.0			
02.93	Completion of Calls to Busy Subcriber (CCBS) Service Description; Stage 1	5.5.0	6.0.1	7.0.0			
02.94	Follow Me Service description; Stage 1 *spec withdrawn*				8.0.0		
02.95	Support of Private Numbering Plan (SPNP); Service description; Stage 1	5.2.0	6.0.0	7.0.0	8.0.0		
02.96	Name Identification Supplementary Services; Stage 1	5.0.0	6.0.1	7.0.0			
02.97	Multiple Subscriber Profile (MSP) Service description, Stage 1	5.2.0		7.1.0			
03.01	Network Functions	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 *spec withdrawn*						
03.02	Network Architecture	5.3.0	6.1.0	7.1.0			
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
03.03	Numbering, Addressing and Identification	5.5.0	6.8.0	7.8.0			
03.04	Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	5.0.0	6.0.0				
03.05	Technical performance objectives	5.0.0	6.0.0	7.0.0	8.0.0		
03.07	Restoration Procedures	5.1.0	6.2.0	7.1.0			
03.08	Organization of Subscriber Data	5.2.0	6.6.0	7.5.0			
03.09	Handover Procedures	5.1.0	6.0.0	7.0.0			
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	5.4.0	6.0.0	7.0.1	8.3.0		
03.11	Technical Realization of Supplementary Services - General Aspects	5.0.1	6.0.1	7.0.1			
03.12	Location Registration Procedures	5.0.0	6.0.0	7.0.0			

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
03.12dcs	Location Registration Procedures (DCS 1800)						
03.13	Discontinuous Reception (DRX) in the GSM System	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	5.0.0	6.0.0	7.0.1			
03.15	Technical Realization of Operator Determined Barring	5.1.0	6.1.0	7.0.0			
03.16	Subscriber Data Management	5.3.0	6.5.0	7.7.0			
03.17	Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2 *spec withdrawn*	0.4.0					
03.18	Basic Call Handling	5.6.0	6.8.0	7.5.0			
03.19	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card			7.5.0	8.5.0		
03.20	Security-related network functions	5.2.1	6.1.0	7.2.0	8.1.0		
03.20ext	Security-related fetwork functions (Ext)						
03.22	Functions related to Mobile Station (MS) in idle mode and group receive mode	5.3.1	6.3.0	7.4.0	8.7.0		
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
03.26	Multiband operation of GSM/DCS 1800 by a single operator	5.2.0	6.0.0	7.0.0	8.0.0		
03.30	Radio Network Planning Aspects	5.0.0	6.0.1	7.1.0	8.3.0		
03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2			7.0.0	8.0.0		
03.32	Universal Geographical Area Description (GAD)	5.2.0	6.0.0	7.2.0			
03.33	Lawful Interception; Stage 2			7.2.0	8.1.0		
03.34	High Speed Circuit Switched Data (HSCSD); Stage 2	5.2.0	6.0.0	7.0.0			
03.35	Immediate Service Termination (IST); Stage 2			7.0.1	8.1.0		
03.38	Alphabets and language-specific information	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 Centers (SMSCs) to Short Message Entities (SMEs) *spec withdrawn*	5.0.0	6.0.0	7.0.0			
03.40	Technical realization of the Short Message Service (SMS)	5.8.1	6.2.0	7.5.0			
03.41	Technical Realization of Short Message Service Cell Broadcast (SMSCB)	5.9.1	6.1.0	7.4.0			
03.42	SMS Compression	5.2.0	6.0.0	7.1.1			
03.43	Support of Videotex	5.0.0	6.0.0	7.0.0	8.0.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	5.0.0	6.0.0	7.0.0	8.0.0		
03.45	Technical Realization of Facsimile Group 3 Service - transparent	5.2.1	6.0.1	7.0.1	8.0.1		
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	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)	5.0.0	6.0.0	7.0.0	8.0.0		
03.48	Security mechanisms for SIM application toolkit; Stage 2		6.2.0	7.0.1	8.8.0		
03.49	Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	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	5.4.0	6.2.1	7.1.1	8.1.1		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2			7.1.1	8.0.1		
03.53	Tandem Free Operation (TFO); Service description; Stage 2			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	5.2.0	6.0.0	7.0.0			
03.55	Dual Transfer Mode (DTM); Stage 2				8.4.0		
03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2			7.1.1	8.0.0		
03.57	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2			7.2.0			
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)		6.0.1	7.0.0	8.0.0		
03.59	Location services (LCS) GERAN; Stage 2 **spec withdrawn**						
03.60	General Packet Radio Service (GPRS); Service description; Stage 2	5.3.0	6.11.0	7.9.0			

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
03.61	General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2 *spec withdrawn*		0.7.1				
03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	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	5.2.0	6.4.0	7.1.0	8.12.0		
03.66	Support of GSM Mobile Number Portability (MNP); Stage 2			7.3.1			
03.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2	5.1.1	6.1.0	7.2.0			
03.68	Voice Group Call Service (VGCS); Stage 2	5.6.0	6.4.0	7.3.0	8.4.0		
03.69	Voice Broadcast service (VBS); Stage 2	5.6.0	6.4.0	7.3.0	8.4.0		
03.70	Routeing of Calls to/from Public Data Networks (PDN)	5.0.0	6.0.0	7.0.0			
03.71	Location Services (LCS); Functional description; Stage 2			7.11.0	8.9.0		
03.72	Call Deflection stage 2			7.1.0			
03.73	Support of Localised Service Area (SoLSA); Stage 2			7.2.0	8.0.0		
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
03.78	customized Applications for Mobile network Enhanced Logic (CAMEL) Phase 2; Stage 2	5.8.0	6.11.1	7.8.1			
03.79	Support of Optimal Routeing phase 1; Stage 2	5.5.0	6.3.0	7.3.0			
03.81	Line Identification Supplementary Services; Stage 2	5.2.0	6.0.0	7.0.1			
03.82	Call Forwarding (CF) Supplementary Services; Stage 2	5.0.0	6.1.0	7.0.0	8.0.0		
03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2	5.0.0	6.0.0	7.0.0			
03.84	Multi Party (MPTY) Supplementary Services; Stage 2	5.0.0	6.0.0	7.0.0			
03.85	Closed user Group (CUG) Supplementary Services; Stage 2	5.0.0	6.0.0	7.0.0			
03.86	Advice of Charge (AoC) Supplementary Services; Stage 2	5.0.1	6.0.1	7.0.1			
03.87	User-to-user signalling (UUS); Stage 2			7.0.2			
03.88	Call Barring (CB) supplementary services; Stage 2	5.0.0	6.0.0	7.0.0			

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
03.90	Unstructured Supplementary Service Data (USSD)	5.0.0	6.0.0	7.0.0			
03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	5.0.2	6.0.0	7.0.0			
03.93	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2		6.2.0	7.0.0			
03.96	Name Identification Supplementary Services; Stage 2		6.0.1	7.0.0			
03.97	Multiple subscriber Profile (MSP); Stage 2			7.2.0			
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	5.0.0	6.0.0	7.0.0	8.0.0		
04.02	GSM Public Land Mobile Network (PLMN) Access Reference Configuration	5.0.0	6.0.0	7.0.0			
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	5.3.0	6.0.0	7.0.0	8.0.2		
04.04	Layer 1 - General Requirements	5.1.0	6.0.0	7.0.0	8.1.2		
04.05	Data Link (DL) Layer General Aspects	5.0.1	6.0.1	7.1.2	8.0.2		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	5.4.1	6.2.1	7.2.1	8.2.1		
04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	5.3.0	6.5.1	7.3.0			
04.08	Mobile radio interface layer 3 specification	5.20.0	6.21.1	7.21.0	8.0.0		
04.08dcs	Mobile radio interface layer 3 specification (DCS 1800)						
04.08ext	Mobile radio interface layer 3 specification, part 1 (Ext)						
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	5.0.1	6.0.1	7.1.0			
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	5.3.0	6.1.0	7.1.0			
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	5.0.2	6.0.1	7.0.1	8.0.0		
04.13	Performance Requirements on Mobile Radio Interface	5.1.1	6.0.1	7.0.1	8.0.1		
04.14	Individual equipment type requirements and interworking; Special conformance testing functions	5.1.0	6.3.1	7.3.0	8.6.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
04.18	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol				8.25.0		
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	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	5.6.1	6.2.0	7.1.0	8.0.0		
04.30	Location Services (LCS); Supplementary service operations; Stage 3			7.3.0			
04.31	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)			7.18.0	8.17.0		
04.35	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods			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			7.1.1	8.0.1		
04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification			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		6.14.0	7.10.0	8.26.0		
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
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	5.0.0	6.0.0	7.0.0	8.0.1		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
04.64	General Packet Radio Service (GPRS); Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) layer specification	*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)	*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	**5.0.1**	**6.0.1**	**7.0.1**			
04.68	Group Call Control (GCC) Protocol	**5.5.0**	**6.3.0**	**7.2.0**	**8.1.0**		
04.69	Broadcast Call Control (BCC) protocol	**5.5.0**	**6.3.0**	**7.2.0**	**8.1.0**		
04.71	Location Services (LCS); Mobile radio interface layer 3 specification			**7.5.0**	**8.4.0**		
04.72	Call Deflection (CD) Supplementary Service; Stage 3			**7.0.1**			
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	**5.3.1**	**6.1.2**	**7.4.1**			
04.81	Line Identification Supplementary Services; Stage 3	**5.0.1**	**6.0.1**	**7.0.1**			
04.82	Call Forwarding (CF) Supplementary Services; Stage 3	**5.0.1**	**6.0.1**	**7.0.2**			
04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3	**5.0.1**	**6.0.1**	**7.0.1**			
04.84	Multi Party (MPTY) Supplementary Services; Stage 3	**5.0.1**	**6.0.1**	**7.0.1**			
04.85	Closed User Group (CUG) Supplementary Services; Stage 3	**5.0.0**	**6.0.0**	**7.0.0**			
04.86	Advice of Charge (AoC) Supplementary Services; Stage 3	**5.0.1**	**6.0.1**	**7.0.1**			
04.87	User-to-User Signalling (UUS) Supplementary Service; Stage 3			**7.0.2**			
04.88	Call Barring (CB) Supplementary Services; Stage 3	**5.1.1**	**6.0.1**	**7.0.0**			
04.90	Unstructured Supplementary Service Data (USSD)	**5.0.1**	**6.0.1**	**7.0.1**			
04.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 3	**5.1.2**	**6.0.1**	**7.0.1**			
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
04.93	Completion of Calls to Busy Subscriber (CCBS); Stage 3		**6.1.1**	**7.0.0**			

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
04.96	Name Identification Supplementary Services; Stage 3		6.0.1	7.0.0			
05.01	Physical Layer on the Radio Path (General Description)	5.4.0	6.1.1	7.2.0	8.9.0		
05.01dcs	Physical Layer on the Radio Path (General Description) (DCS 1800)						
05.01U	Universal Mobile Telecommunications System (UMTS); Objectives and framework for the Telecommunications Management Network (TMN) of the UMTS *spec withdrawn*						
05.02	Multiplexing and Multiple Access on the Radio Path	5.10.0	6.10.0	7.7.0	8.11.0		
05.03	Channel coding	5.6.0	6.2.1	7.3.1	8.9.0		
05.04	Modulation	5.1.1	6.1.1	7.3.0	8.4.0		
05.05	Radio Transmission and Reception	5.13.0	6.8.0	7.9.0	8.17.0		
05.05dcs	Radio Transmission and Reception (DCS 1800)						
05.08	Radio subsystem link control	5.10.0	6.9.0	7.7.0	8.22.0		
05.08dcs	Radio Subsystem Link Control (DCS 1800)						
05.09	Link adaptation			7.7.0	8.5.0		
05.10	Radio subsystem synchronization	5.4.1	6.7.0	7.4.0	8.12.0		
05.14	Release independent frequency bands; Implementation guidelines		6.2.0	7.2.0			
05.15	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines				8.0.0		
05.22	Radio link management in hierarchical networks	5.0.0	6.0.0	7.0.0	8.0.0		
05.50	Background for RF Requirements	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			7.1.1	8.0.1		
05.90	GSM Electromagnetic Compatibility (EMC) considerations	5.0.0	6.0.1	7.0.0			
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
06.01	Full Rate Speech Processing Functions	5.1.1	6.0.1	7.0.2	8.0.1		
06.01U	Universal Mobile Telecommunications System (UMTS); Quality requirements for speech and associated channel coding for the UMTS *spec withdrawn*						
06.02	Half Rate Speech Processing Functions	5.0.1	6.0.1	7.0.2	8.0.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
06.02U	Universal Mobile Telecommunications System (UMTS); Quality requirements and selection procedure for the support of voice- band data coding for the UMTS *spec withdrawn*						
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	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	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	5.0.0	6.0.0	7.0.0	8.0.0		
06.10	Full Rate Speech Transcoding	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	5.0.1	6.0.1	7.0.1	8.0.1		
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	5.1.0	6.1.0	7.1.0	8.1.0		
06.20	Half Rate Speech Transcoding	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	5.0.1	6.0.1	7.0.1	8.0.1		
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	5.1.0	6.0.1	7.0.1	8.0.1		
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	5.0.1	6.0.1	7.0.1	8.0.1		
06.32	Voice Activity Detection (VAD)	5.0.3	6.0.1	7.0.1	8.0.1		
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	5.1.1	6.0.1	7.0.1	8.0.1		
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	5.0.1	6.0.1	7.0.1	8.0.1		
06.51	GSM Enhanced full rate speech processing functions: General description	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	5.1.3	6.0.1	7.0.1	8.0.1		
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	5.3.0	6.2.0	7.2.0	8.2.0		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
06.55	Performance characterisation of the GSM EFR Speech Codec	5.0.0	6.0.0	7.0.0	8.0.0		
06.60	Enhanced full rate speech transcoding	5.2.1	6.0.1	7.0.2	8.0.1		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels	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	5.1.3	6.0.1	7.0.1	8.0.1		
06.71	Adaptive Multi-Rate speech processing functions; General description			7.0.2			
06.73	Adaptive Multi Rate (AMR) speech; ANSI-C code for the AMR speech codec			7.6.0			
06.74	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec			7.3.0			
06.75	Performance characterization of the GSM Adaptive Multi-Rate (AMR) speech codec			7.2.0			
06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report			7.0.2	8.0.1		
06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder				8.1.1		
06.78	Results of the AMR noise suppression selection phase				8.0.1		
06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels	5.2.1	6.1.1	7.1.1	8.0.1		
06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels	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	5.0.0	6.0.0	7.0.0	8.0.0		
06.90	Adaptive Multi-Rate speech transcoding			7.2.1			
06.91	Substitution and muting of lost frames for AMR speech traffic channels			7.1.1			
06.92	Comfort noise aspects for Adaptive Multi-Rate speech traffic channels			7.1.1			
06.93	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels			7.5.0			
06.94	Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels			7.1.1			
07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	5.9.1	6.1.0	7.1.1	8.0.0		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5

07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	5.5.1	6.0.0	7.0.1	8.0.0	
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	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)	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 *spec withdrawn*					
07.07	AT Command set for GSM Mobile Equipment (ME)	5.9.1	6.5.0	7.8.0		
07.08	GSM Application Programming Interface	5.2.1			8.0.0	
07.10	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol		6.5.0	7.2.0		
07.60	General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS	5.1.0	6.5.0	7.2.0		
08.01	General Aspects on the BSS-MSC Interface	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	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	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	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	5.12.0	6.5.0	7.7.0	8.15.0	
08.08ext	Mobile-services Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification (DCS 1800)					

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	*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	*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	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	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			7.1.0	8.1.1		
08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	5.0.0	6.0.0	7.0.0	8.0.1		
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	5.0.0	6.0.0	7.0.0	8.0.1		
08.54	BSC-BTS Layer 1; Structure of Physical Circuits	5.0.0	6.0.0	7.0.0	8.0.1		
08.56	BSC-BTS Layer 2; Specification	5.0.0	6.0.0	7.0.0	8.0.1		
08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	5.10.0	6.3.0	7.4.1	8.6.0		
08.58dcs	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface (DCS 1800)						
08.58ext	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface (Ext)						
08.59	BSC-BTS O&M Signalling Transport						
08.60	In-band control of remote transcoders and rate adaptors for Enhanced Full Rate (EFR) and full rate traffic channels	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	5.0.1	6.0.1	7.3.0	8.1.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3			7.1.1	8.0.1		
08.64	GPRS support node - BSS protocol (SGSN_BSS) interface; BSSGP layer 3 *spec withdrawn*		1.0.0				
08.71	Location Services (LCS); Serving Mobile Location Centre Base Station System (SMLC-BSS) interface; Layer 3			7.6.0	8.5.0		
09.01	General Network Interworking Scenarios	5.0.0	6.0.0	7.0.0	8.0.0		
09.02	Mobile Application Part (MAP) Specification	5.19.0	6.14.0	7.15.0			
09.02dcs	Mobile Application Part (MAP) Specification (DCS 1800)						
09.03	Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)	5.0.0	6.0.0	7.0.0			
09.04	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	5.0.0	6.0.0	7.0.0			
09.05	Interworking between the PLMN and the PSPDN for PAD Access	5.0.0	6.0.0	7.0.0			
09.06	Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet Switched Data Transmission Services	5.0.2	6.0.0	7.0.0			
09.07	General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	5.10.1	6.2.0	7.2.0	8.0.0		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	5.1.0	6.0.0	7.2.0	8.2.0		
09.09	Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN *spec withdrawn*						

09.10	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	5.2.0	6.2.0	7.2.0			
09.10dcs	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) (DCS 1800)						
09.11	Signalling Interworking for Supplementary Services	5.1.0	6.0.0	7.0.1			
09.12	Application of ISDN User Part (ISUP) Version 2 for the Integrated Services Digital Network (ISDN) - Public Land Mobile Network (PLMN) signalling interface; Paart 1: Protocol specification	5.3.1					
09.13	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols		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; Part 1: Protocol specification			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		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		6.7.0	7.5.0	8.0.0		
09.31	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)			7.8.0	8.7.1		
09.60	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	5.0.0	6.13.0	7.10.0			

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
09.61	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet Data Networks (PDN)		6.10.0	7.10.0			
09.78	CAMEL Application Part phase 2 (stage 3)	5.7.0	6.5.0	7.1.0			
09.90	Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)	5.1.0	6.0.0				
09.91	Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2						
09.94	Recommended infrastructure measures to overcome specific Mobile Station (MS) faults	5.1.1	6.1.1	7.0.1			
09.95	Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles		6.3.0	7.3.0			
10.00	Digital Cellular Telecommunication System Feature Description	5.2.1		7.1.0			
10.01	GSM features and releases *spec withdrawn*		0.0.2				
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
10.02	Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+	5.1.0	6.1.0				
10.14	System overview for 14.4 kbit/s Work Item	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	5.0.1	6.0.0				
10.43	Support of Localised Service Area (SoLSA); Work Item Status *spec withdrawn*				1.11.0		
10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1			7.0.0	8.0.0		
10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE) *spec withdrawn*			7.0.0	8.0.0		
10.59	Project scheduling and open issues for EDGE				8.0.0		
10.60	General Packet Radio Services (GPRS); Project Scheduling and Open Issues *spec withdrawn*	5.4.2	6.0.0				
10.66	Support of Mobile Number Portability (MNP); Project plan *spec withdrawn*	5.0.0					

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
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*	*5.0.0*					
10.70	GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR			**0.2.1**			
10.71	Project scheduling and open issues:Location services (LCS) *spec withdrawn*			*7.0.0*			
10.76	Noise suppression for the AMR codec; Project scheduling and open issues *spec withdrawn*				*1.0.0*		
10.78	Project scheduling and open issues: CAMEL *spec withdrawn*			*1.6.0*			
10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues; *spec withdrawn*				*0.0.6*		
10.99	GERAN project plan and open issues *spec withdrawn*						
11.10	Mobile Station Conformity Specification						
11.10-1	Mobile station (MS) conformance specification; Part 1: Conformance specification	**5.12.2**	**6.4.0**	**7.3.0**	**8.3.0**		
11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification				*8.0.0*		
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
11.10-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)	**5.1.0**			*8.0.0*		
11.10-4	Mobile Station (MS) conformance specification; Part 4: Subscriber Interface Module (SIM) application toolkit conformance specification	**5.6.0**	**6.0.0**	**7.0.0**	**8.10.0**		
11.10dcs	Mobile Station Conformity Specification (DCS 1800)						
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	**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)						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
11.12	Specification on the 3 volt subscriber identity module Equipment (SIM-ME) Interface	*5.0.0*					
11.13	Test specification for Subscriber Interface Module (SIM) Application Programme Interface (API) for Java card			**7.4.2**	**8.3.0**		
11.14	Specification of the SIM Application Toolkit (SAT) for the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface	**5.9.0**	**6.3.0**	**7.7.0**	**8.17.0**		
11.17	Subscriber Interface Module (SIM) test specification			**7.0.2**	**8.1.0**		
11.18	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface			**7.0.1**	*8.0.0*		
11.19	CTS SIM Fixed Part			**7.0.3**			
11.20	GSM DCS 1800 Base Station Specification						
11.20dcs	GSM DCS 1800 Base Station Specification						
11.21	Base Station System (BSS) equipment specification; Radio aspects	*5.5.0*	*6.1.0*	**7.5.0**	**8.9.0**		
11.22	GSM Base Station and Ancillary Equipment, Physical and Electronical Parameters, Application of Standards and Guidance Notes						
11.23	GSM Signalling Aspects Base Station System equipment Specification						
11.24	GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification						
11.26	Base Station System (BSS) equipment specification; Part 4: Repeaters	**5.2.1**	**6.0.1**	**7.0.0**	**8.0.2**		
11.30	Mobile Services Switching Centre						
11.31	Home Location Register Specification						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
11.32	Visitor Location Register Specification						
11.40	GSM System Simulator specification						
11.40dcs	DCS 1800 System Simulator conformity specification						
12.00	Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management						
12.01	Network Management (NM); Part 2: Common aspects of SM/DCS 1800 Network Management						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
12.01U	Framework for satellite integration with the UMTS *spec withdrawn*						
12.02	Subscriber, Mobile Equipment (ME) and Services Data Administration	5.0.1					
12.02U	Technical characteristics, capabilities and limitations of mobile sate llite systems applicable to the UMTS *spec withdrawn*						
12.03	Security Management			7.0.1	8.0.0		
12.04	Performance data measurements			7.0.0	8.1.0		
12.05	Subscriber Related Call and Event Data	5.0.1	6.1.0	7.0.1			
12.06	Network Configuration Management and Administration						
12.07	Public Land Mobile Network (PLMN) Quality of Service (QoS) *spec withdrawn*						
12.08	Subscriber and Equipment trace	5.1.1					
12.11	Fault management of the Base Station System (BSS)		6.3.0				
12.15	General Packet Radio Service (GPRS); GPRS Charging		6.3.0	7.7.0			
12.20	Base Station System (BSS) Management Information						
12.21	Network Management (NM) procedures and messages on the A-bis interface	5.0.0	6.0.0	7.0.0	8.0.0		
12.22	Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)						
12.30	ETSI Object Identifier Tree; Mobile Domain O&M						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
12.71	Location Services (LCS); Location services management			7.0.1	8.0.1		
13.01	Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access						
13.01-1	Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access						
13.01-2	Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access						

13.02	Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access						
13.02-2	Attachment requirements (CDCS 1800); Telephony *spec withdrawn*						
13.11	Mobiles stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE Directive			7.0.1			
13.21	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive			7.0.0	8.1.2		
13.34	Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) Multislot Mobile Stations; Access	5.1.1					
13.55	Attachment requirements for Cordless Telephony System Fixed Part (CTS-FP); Access *spec withdrawn*	1.0.0					
13.56	Cordless Telephony System Mobile Stations (CTS-MS); Access *spec withdrawn*	1.0.0					
13.57	unknown *spec withdrawn*	1.0.0					
13.60	Attachment requirements for Global System for Mobile communications (GSM); General Packet Radio Service (GPRS); Mobile stations; Access *spec withdrawn*	1.0.0					
13.67	Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access	5.1.1					
13.68	Attachment requirements for Global System for Mobile communications (GSM); Advanced Speech Call Items (GSM-ASCI) Mobile Stations; Access	5.0.2					
21.01U	Requirements for the UMTS Terrestrial Radio Access (UTRA) system						
21.02U	High level requirements relevant for the definition of the UMTS Terrestrial Radio Access UTRA concept *spec withdrawn*						
21.04U	Requirements for the support of data services in UMTS *spec withdrawn*						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
21.06U	O&M requirements for the UMTS *spec withdrawn*						
21.100	3G specification handling procedures *spec withdrawn*				1.0.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
21.101	Technical Specifications and Technical Reports for a UTRAN-based 3GPP system				3.14.0	4.11.0	5.8.0
21.102	3rd Generation mobile system Release 4 specifications *spec withdrawn*					4.9.0	
21.103	3rd Generation mobile system Release 5 specifications *spec withdrawn*						5.4.0
21.111	USIM and IC card requirements				3.4.0	4.1.0	5.1.0
21.133	3G security; Security threats and requirements				3.2.0	4.1.0	
21.801	Specification drafting rules				3.0.0	4.4.0	5.1.0
21.810	Report on multi-mode UE issues; ongoing work and identified additional work				3.0.0		
21.877	Radio optimization impacts on the Packet Switched (PS) domain architecture						0.7.0
21.900	Technical Specification Group working methods				3.7.0	4.1.0	5.1.0
21.902	Evolution of 3GPP system						
21.904	User Equipment (UE) capability requirements				3.5.0		
21.905	Vocabulary for 3GPP Specifications				3.3.0	4.5.0	5.8.0
21.906	reserved *spec withdrawn*				3.0.0		
21.910	Multi-mode UE issues; categories, principles and procedures				3.0.0		
21.978	Feasibility Technical Report; CAMEL Control of VoIP Services				3.0.0		
22.001	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)				3.2.0	4.3.0	5.0.0
22.002	Circuit Bearer Services (BS) supported by a Public Land Mobile Network (PLMN)				3.6.0	4.2.0	5.0.0
22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)				3.3.0	4.3.0	5.2.0
22.004	General on supplementary services				3.3.0	4.3.0	5.1.0
22.00U	UMTS Phase 1 *spec withdrawn*						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.011	Service accessibility				3.8.0	4.8.0	5.1.0
22.016	International Mobile Equipment Identities (IMEI)				3.3.0	4.2.1	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.01U	Universal Mobile Telecommunications System (UMTS): Service aspects; Service principles *spec withdrawn*						
22.022	Personalisation of Mobile Equipment (ME); Mobile functionality specification				3.2.1	4.1.0	5.0.0
22.024	Description of Charge Advice Information (CAI)				3.0.1	4.0.0	5.0.0
22.030	Man-Machine Interface (MMI) of the User Equipment (UE)				3.4.0	4.1.0	5.0.0
22.031	Fraud Information Gathering System (FIGS); Service description; Stage 1				3.0.0	4.0.0	5.0.0
22.032	Immediate Service Termination (IST); Service description; Stage 1				3.0.0	4.0.0	5.0.0
22.034	High Speed Circuit Switched Data (HSCSD); Stage 1				3.2.1	4.1.0	5.0.0
22.038	USIM/SIM Application Toolkit (USAT/SAT); Service description; Stage 1				3.4.0	4.3.0	5.4.0
22.041	Operator Determined Call Barring				3.3.1	4.1.0	5.0.0
22.042	Network Identity and Time Zone (NITZ) service description; Stage 1				3.0.1	4.2.1	5.1.0
22.043	Support of Localized Service Area (SoLSA); Service description; Stage 1 *spec withdrawn*				*3.1.0*		
22.048	Security mechanisms for the (U)SIM application toolkit; Stage 1					4.0.0	5.0.0
22.053	Tandem Free Operation (TFO); Service description; Stage 1				*3.0.0*	4.0.1	5.0.0
22.057	Mobile Execution Environment (MExE) service description; Stage 1				3.0.1	4.1.0	5.4.0
22.05U	Services and service capabilities *spec withdrawn*						
22.060	General Packet Radio Service (GPRS); Service description; Stage 1				3.5.0	4.4.0	5.3.0
22.066	Support of Mobile Number Portability (MNP); Stage 1				3.2.0	4.0.0	5.1.0
22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1				3.0.1	4.1.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.071	Location Services (LCS); Stage 1				3.5.0	4.6.0	5.4.0
22.072	Call Deflection (CD); Stage 1				3.0.1	4.0.0	5.0.0
22.076	Noise suppression for the AMR codec; Service description; Stage 1					4.0.1	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.078	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service description; Stage 1				3.9.0	4.5.0	5.14.0
22.079	Support of optimal routeing; Stage 1				3.0.1	4.0.0	5.0.0
22.07U	UMTS terminal and smart card concepts *spec withdrawn*						
22.081	Line Identification supplementary services; Stage 1				3.2.0	4.1.0	5.0.0
22.082	Call Forwarding (CF) Supplementary Services; Stage 1				3.0.2	4.2.0	5.0.0
22.083	Call Waiting (CW) and Call Hold (HOLD) supplementary services; Stage 1				3.0.1	4.1.0	5.0.0
22.084	MultiParty (MPTY) supplementary service; Stage 1				3.0.1	4.1.0	5.0.0
22.085	Closed User Group (CUG) supplementary services; Stage 1				3.1.0	4.1.0	5.0.0
22.086	Advice of Charge (AoC) supplementary services; Stage 1				3.1.0	4.0.0	5.0.0
22.087	User-to-user signalling (UUS); Stage 1				3.1.0	4.0.0	5.0.0
22.088	Call Barring (CB) supplementary services; Stage 1				3.0.2	4.1.0	5.0.0
22.090	Unstructured Supplementary Service Data (USSD); Stage 1				3.1.0	4.0.0	5.0.0
22.091	Explicit Call Transfer (ECT) supplementary service; Stage 1				3.1.0	4.0.0	5.0.0
22.093	Completion of Calls to Busy Subscriber (CCBS); Service description, Stage 1				3.0.1	4.0.0	5.0.0
22.094	Follow Me service description - Stage 1				3.1.0	4.1.0	5.0.0
22.096	Name identification supplementary services; Stage 1				3.0.1	4.0.0	5.0.0
22.097	Multiple Subscriber Profile (MSP) Phase 1; Service description - Stage 1				3.2.0	4.1.0	5.0.0
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
22.100	UMTS Phase 1				3.7.0		
22.101	Service aspects; Service principles				3.17.0	4.10.0	5.13.0
22.105	Services and service capabilities				3.10.0	4.3.0	5.2.0
22.112	USIM toolkit interpreter; Stage 1					*4.0.0*	5.0.0
22.115	Service Aspects Charging and billing				3.4.0	4.1.0	5.4.0
22.121	Service aspects; The Virtual Home Environment (VHE); Stage 1				3.3.1	4.1.1	5.3.1

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.127	Service Requirement for the Open Services Access (OSA); Stage 1					4.4.0	5.5.0
22.129	Handover requirements between UTRAN and GERAN or other radio systems				3.6.0	4.4.0	5.2.0
22.135	Multicall; Service description; Stage 1				3.4.0	4.2.0	5.0.0
22.140	Multimedia Messaging Service (MMS); Stage 1				3.1.0	4.3.0	5.4.0
22.141	Presence service; Stage 1						5.2.0
22.146	Multimedia Broadcast/Multicast Service (MBMS); Stage 1						5.2.0
22.174	Push service; Stage 1						
22.226	Global text telephony (GTT); Stage 1: Service description						5.2.0
22.228	Service requirements for the Internet Protocol (IP) multimedia core network subsystem (IMS); Stage 1						5.6.0
22.233	Transparent end-to-end packet-switched streamng service; Stage 1						5.0.0
22.234	Requirements on 3GPP system to Wireless Local Area Network (WLAN) interworking						
22.240	Service requirements for 3GPP Generic User Profile (GUP); Stage 1						0.5.0
22.242	Digital Rights Management (DRM); Stage 1						
22.243	Speech recognition framework for automated voice services; Stage 1						1.0.0
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
22.246	Multimedia Broadcast/Multicast Service (MBMS) user services; Stage 1						
22.24U	Charging and Accounting Mechanism *spec withdrawn*						
22.250	IP Multimedia Subsystem (IMS) Group Management; Stage 1						
22.25U	Quality of Service (QoS) and network performance *spec withdrawn*						
22.340	IP Multimedia Subsystem (IMS) messaging; Stage 1						
22.60U	Mobile multimedia services including mobile Intranet and Internet services *spec withdrawn*						
22.70U	Virtual Home Environment *spec withdrawn*						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.71U	Service aspects; Automatic Establishment of Roaming Relationships *spec withdrawn*						
22.75U	Service aspects; Advanced addressing *spec withdrawn*						
22.800	IP Multimedia Subsystem (IMS) subscription and access scenarios						
22.80U	UMTS Relationship to other Standards *spec withdrawn*						
22.857	Run-time independent framework feasibility study						
22.907	Terminal concepts *spec withdrawn*				*3.1.3*		
22.924	Charging and accounting mechanisms *spec withdrawn*				*3.1.1*		
22.925	Quality of Service (QoS) and network performance *spec withdrawn*				*3.1.1*		
22.934	Feasibility study on 3GPP system to Wireles Local Area Network (WLAN) interworking						
22.936	Behaviour of multi-system terminals						
22.940	IP Multimedia Subsystem (IMS) messaging; Stage 1						
22.941	IP based multimedia framework; Stage 0 *spec withdrawn*						*0.7.0*
22.944	Report on service requirements for UE functionality split						**5.1.0**
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.945	Study of provision of fax service in GSM and UMTS				**3.0.0**		
22.946	Broadcast and multicast services *spec withdrawn*						*1.0.0*
22.949	Study on a generalized privacy capability						
22.950	Priority service feasibility study						
22.951	Service aspects and requirements for network sharing						
22.952	Priority service guide						
22.953	Multimedia priority service feasibility study						
22.960	Mobile multimedia services *spec withdrawn*				*3.0.1*		
22.970	Virtual Home Environment (VHE) Report *spec withdrawn*				*3.0.1*		
22.971	Automatic establishment of roaming relationships				**3.1.1**		
22.972	Circuit-switched multimedia *spec withdrawn*				*0.0.0*		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
22.975	Advanced addressing				3.1.0		
22.976	Study on PS domain services and capabilities *spec withdrawn*					*2.0.0*	*2.0.0*
22.977	Feasibility study for speech-enabled services						
22.978	All-IP network (AIPN) feasibility study						
22.979	Feasibility study on combined Circuit Switched (CS) calls and IP Multimedia Subsystem (IMS) sessions						
23.002	Network architecture				3.6.0	4.8.0	5.12.0
23.003	Numbering, addressing and identification				3.14.0	4.8.0	5.10.0
23.007	Restoration procedures				3.6.0	4.2.0	5.1.0
23.008	Organisation of subscriber data				3.8.0	4.3.0	5.7.0
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
23.009	Handover procedures				3.14.0	4.9.0	5.8.0
23.010	GSM Public Land Mobile Network (PLMN) Connection Types *spec withdrawn*				*3.0.0*		
23.011	Technical realization of Supplementary Services				3.1.0	4.0.1	5.0.0
23.012	Location management procedures				3.3.0	4.0.0	5.2.0
23.014	Support of Dual Tone Multi Frequency (DTMF) signalling				3.2.0	4.1.0	5.1.0
23.015	Technical realization of Operator Determined Barring (ODB)				3.1.0	4.0.1	5.0.0
23.016	Subscriber data management; Stage 2				3.10.0	4.4.0	5.3.0
23.018	Basic Call Handling; Technical realization				3.12.0	4.7.0	5.9.0
23.01U	General UMTS architecture *spec withdrawn*						
23.022	Functions related to Mobile Station (MS) in idle mode and group receive mode *spec withdrawn*				*3.1.0*		
23.031	Fraud Information Gathering System (FIGS); Service description; Stage 2				3.0.0	4.0.0	5.0.0
23.032	Universal Geographical Area Description (GAD)				3.2.1	4.1.1	5.0.0
23.034	High Speed Circuit Switched Data (HSCSD); Stage 2				3.3.0	4.0.0	5.2.0
23.035	Immediate Service Termination (IST); Stage 2				3.1.0	4.1.0	5.1.0
23.038	Alphabets and language-specific information				3.3.0	4.5.0	5.1.0
23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)				3.2.0	4.0.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.040	Technical realization of Short Message Service (SMS)				3.10.0	4.9.0	5.8.1
23.041	Technical realization of Cell Broadcast Service (CBS)				3.5.0	4.4.0	5.2.0
23.042	Compression algorithm for SMS				3.1.0	4.0.1	5.0.0
23.043	Support of Videotex *spec withdrawn*				3.0.0		
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
23.044	Support of Teletex *spec withdrawn*				3.0.0		
23.045	Technical Realization of Facsimile Group 3 Service - transparent *spec withdrawn*				3.0.0		
23.046	Technical realisation of facsimile Group 3 service - non-transparent *spec withdrawn*				3.0.0		
23.048	Security mechanisms for the (U)SIM application toolkit; Stage 2					4.4.0	5.8.0
23.053	Tandem Free Operation (TFO); Service description; Stage 2					4.0.1	5.0.0
23.054	Shared Interworking Functions (SIWF); Stage 2 *spec withdrawn*				3.0.0		
23.057	Mobile Execution Environment (MExE); Functional description; Stage 2				3.4.0	4.5.0	5.1.0
23.060	General Packet Radio Service (GPRS); Service description; Stage 2				3.16.0	4.9.0	5.9.0
23.066	Support of GSM Mobile Number Portability (MNP) stage 2				3.3.0	4.0.1	5.3.0
23.067	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 2				3.3.0	4.1.1	5.0.0
23.069	Voice Broadcast service (VBS); Stage 2 *spec withdrawn*				3.0.0		
23.070	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN) *spec withdrawn*				3.0.0		
23.071	Location Services (LCS); Functional description; Stage 2 *spec withdrawn*				3.0.0		
23.072	Call Deflection Supplementary Service; Stage 2				3.3.0	4.0.1	5.0.0
23.073	Support of Localised Service Area (SoLSA); Stage 2 *spec withdrawn*				3.0.1	4.0.0	
23.078	customized Applications for Mobile network Enhanced Logic (CAMEL); Stage 2				3.19.0	4.11.1	5.9.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.079	Support of Optimal Routeing (SOR); Technical realization; Stage 2				3.8.0	4.2.0	5.5.0
23.081	Line Identification supplementary services; Stage 2				3.2.0	4.1.0	5.2.0
23.082	Call Forwarding (CF) Supplementary Services; Stage 2				3.7.0	4.3.0	5.0.0
23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2				3.2.0	4.3.0	5.1.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.084	MultiParty (MPTY) Supplementary Service; Stage 2				3.2.0	4.0.0	5.0.0
23.085	Closed User Group (CUG) Supplementary Service; Stage 2				3.1.0	4.0.0	5.0.0
23.086	Advice of Charge (AoC) Supplementary Service; Stage 2				3.1.0	4.0.0	5.0.0
23.087	User-to-User Signalling (UUS) supplementary service; Stage 2				3.1.0	4.0.0	5.0.0
23.088	Call Barring (CB) Supplementary Service; Stage 2				3.2.0	4.0.0	5.0.0
23.090	Unstructured Supplementary Service Data (USSD); Stage 2				3.2.0	4.0.0	5.0.0
23.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 2				3.2.0	4.1.0	5.1.0
23.093	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2				3.2.0	4.0.0	5.0.0
23.094	Follow Me Stage 2				3.2.0	4.0.0	5.0.1
23.096	Name Identification Supplementary Service; Stage 2				3.0.1	4.0.0	5.0.0
23.097	Multiple Subscriber Profile (MSP) Phase 1; Stage 2				3.1.1	4.0.0	5.0.0
23.101	General UMTS Architecture				3.1.0	4.0.0	5.0.1
23.107	Quality of Service (QoS) concept and architecture				3.9.0	4.6.0	5.13.0
23.108	Mobile radio interface layer 3 specification core network protocols; Stage 2 (structured procedures)				3.2.0	4.0.1	5.0.0
23.10U	UMTS Access Stratum; Services and Functions *spec withdrawn*						
23.110	UMTS Access Stratum Services and Functions				3.4.0	4.0.0	5.0.0
23.116	Super-Charger technical realization; Stage 2				3.2.0	4.2.0	5.0.0
23.119	Gateway Location Register (GLR); Stage2				3.0.0	4.0.0	5.0.0
23.121	Architectural requirements for Release 1999				3.6.0		5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.122	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode				3.10.0	4.4.0	5.3.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.125	Overall high level functionality and architecture impacts of flow based charging; Stage 2						
23.127	Virtual Home Environment (VHE) / Open Service Access (OSA)				3.4.0	4.3.0	5.2.0
23.135	Multicall supplementary service; Stage 2				3.2.0	4.0.0	5.0.0
23.140	Multimedia Messaging Service (MMS); Functional description; Stage 2				3.1.0	4.10.0	5.11.0
23.141	Presence service; Architecture and functional description; Stage 2						
23.146	Technical realization of facsimile Group 3 service - non-transparent					4.1.0	5.0.0
23.153	Out of Band Transcoder Control; Stage 2					4.11.0	5.9.0
23.171	Location Services (LCS); Functional description; Stage 2 (UMTS)				3.11.0	*4.0.0*	
23.172	Technical realization of Circuit Switched (CS) multimedia service; UDI/RDI fallback and service modification; Stage 2						5.4.0
23.195	Provision of User Equipment Specific Behaviour Information (UESBI) to network entities						5.4.0
23.198	Open Service Access (OSA); Stage 2						
23.202	Circuit switched data bearer services						
23.205	Bearer-independent circuit-switched core network; Stage 2					4.7.0	5.7.0
23.207	End-to-end Quality of Service (QoS) concept and architecture					*2.0.0*	5.9.0
23.20U	Evolution of the GSM platform towards UMTS *spec withdrawn*						
23.218	IP Multimedia (IM) session handling; IM call model; Stage 2						5.7.0
23.221	Architectural requirements					4.2.0	5.11.0
23.226	Global text telephony (GTT); Stage 2: Architecture						5.2.0
23.227	Application and user interaction in the UE; Principles and specific requirements					4.2.0	5.1.0
23.228	IP Multimedia Subsystem (IMS); Stage 2						5.13.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5

23.234	3GPP system to Wireles Local Area Network (WLAN) interworking; System description						
23.236	Intra-domain connection of Radio Access Network (RAN) nodes to multiple Core Network (CN) nodes						5.3.0
23.240	3GPP Generic User Profile (GUP) requirements; Architecture (Stage 2)						0.12.0
23.241	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM) *spec withdrawn*						0.2.0
23.246	Multimedia Broadcast/Multicast Service (MBMS); Architecture and functional description						
23.251	Network sharing; Architecture and functional description						
23.271	Functional stage 2 description of Location Services (LCS)					4.13.0	5.13.0
23.278	customized Applications for Mobile network Enhanced Logic (CAMEL) - IP Multimedia System (IMS) interworking; Stage 2						5.6.0
23.279	Combining CS and IMS services; Stage 2						
23.801	Potential mechanisms for Circuit Switched (CS) domain video and voice service improvements						
23.802	Architectural enhancements for end-to-end Quality of Service (QoS)						
23.803	Evolution of policy control and charging						
23.804	Support of SMS and MMS over generic 3GPP IP access						
23.814	Separating RR and MM specific parts of the MS Classmark				3.1.0	4.0.0	
23.815	Charging implications of IMS architecture						5.0.0
23.821	Architecture Principles for Reelase 2000 *spec withdrawn*					1.0.1	
23.825	Overall architecture aspects of IP flow based bearer level charging; Stage 2 *spec withdrawn*						
23.835	Study into applicability of Galileo in Location Services (LCS)						
23.841	Presence service architecture						1.1.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.846	Multimedia Broadcast/Multicast Service (MBMS); Stage 2						*0.2.0*
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
23.851	Network sharing; Architecture and functional description						
23.864	Commonality and interoperability between IP Multimedia System (IMS) core networks						
23.867	Internet Protocol (IP) based IP Multimedia Subsystem (IMS) emergency sessions						
23.871	Enhanced support for user privacy in Location Services (LCS)						**5.0.0**
23.873	Feasibility study for transport and control separation in the PS CN domain					**4.0.0**	
23.874	Feasibility study of architecture for network requested PDP context activation with User-ID *spec withdrawn*					*1.3.0*	
23.875	Support of Push service						**5.1.0**
23.876	Push architecture *spec withdrawn*						
23.877	Architectural aspects of speech-enabled services						
23.881	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations *spec withdrawn*						
23.895	Provision of UE specific behaviour information to network entities						
23.898	Access Class Barring and Overload Protection (ACBOP)						
23.899	Combining Circuit Switched (CS) bearers with IP Multimeida Subsystem (IMS)						
23.903	Redial solution for voice-video switching						
23.907	Quality of Service (QoS) concept *spec withdrawn*					*1.2.0*	
23.908	Technical report on Pre-Paging				**3.0.1**	**4.0.0**	*5.0.0*
23.909	Technical report on the Gateway Location Register				**3.0.1**	**4.0.0**	*5.0.0*
23.910	Circuit switched data bearer services				**3.6.0**	**4.8.0**	**5.4.0**
23.911	Technical report on Out-of-band transcoder control				**3.0.1**	**4.0.0**	*5.0.0*
23.912	Technical report on Super-Charger				**3.1.0**	**4.1.0**	*5.0.0*
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
23.913	UMTS Turbo-Charger *spec withdrawn*				*1.0.0*		
23.917	Dynamic policy control enhancements for End to end Quality of Service (QoS) *spec withdrawn*						
23.920	Evolution of the GSM platform towards UMTS *spec withdrawn*				*3.1.0*		
23.922	Architecture for an All IP network *spec withdrawn*				*1.0.0*	*4.0.0*	
23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN				**3.0.0**	*4.0.0*	
23.925	UMTS Core network based ATM transport *spec withdrawn*				*0.2.0*		
23.927	VHE, Open Service Architecture (OSA) *spec withdrawn*				*0.1.0*		
23.930	Iu principles				**3.0.0**	**4.0.0**	
23.934	3GPP system to Wireless Local Area Network (WLAN) interworking; Functional and architectural definition						
23.941	3GPP Generic User Profile (GUP); Stage 2; Data Description Method (DDM)						
23.955	Virtual Home Environment (VHE) concepts *spec withdrawn*						*0.1.0*
23.95U	UMTS Network Aspects; Network functions relevant to satellites *spec withdrawn*						
23.960	Framework of network functions to support multimedia services *spec withdrawn*				*0.1.0*		
23.964	Commonality and interoperability between IP Multimedia System (IMS) core networks *spec withdrawn*						
23.972	Circuit switched multimedia telephony				**3.0.0**	*4.0.0*	
23.974	Support of push service *spec withdrawn*						*2.0.0*
23.976	Push architecture						
23.977	Bandwidth And Resource Savings (BARS) and speech enhancements for Circuit Switched (CS) networks						
23.979	3GPP enablers for Open Mobile Alliance (OMA) Push-to-talk over Cellular (PoC) services; Stage 2						
23.981	Interworking aspects and migration scenarios for IPv4-based IP Multimedia Subsystem (IMS) implementations						**5.0.0**
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5

24.002	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration				3.1.1	4.1.1	5.1.1
24.004	Layer 1 - General Requirements *spec withdrawn*					*4.0.0*	
24.007	Mobile radio interface signalling layer 3; General Aspects				3.10.0	4.4.0	5.3.0
24.008	Mobile radio interface Layer 3 specification; Core network protocols; Stage 3				3.19.0	4.14.0	5.12.0
24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects				3.2.0	4.2.0	5.0.0
24.011	Point-to-Point (PP) Short Message Service (SMS) support on Mobile Radio Interface				3.6.0	4.1.1	5.2.0
24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface *spec withdrawn*				*3.0.0*		
24.022	Radio Link Protocol (RLP) for circuit switched bearer and teleservices				3.5.0	4.1.0	5.5.0
24.030	Location Services (LCS); Supplementary service operations; Stage 3				3.3.0	4.2.0	5.1.0
24.065	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) *spec withdrawn*				*3.1.0*		
24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3				3.2.0	4.1.0	5.0.0
24.068	Group Call Control (GCC) Protocol *spec withdrawn*				*3.1.0*		
24.069	Broadcast Call Control (BCC) protocol *spec withdrawn*				*3.1.0*		
24.072	Call Deflection Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0
24.080	Mobile radio Layer 3 supplementary service specification; Formats and coding				3.7.1	4.4.0	5.5.0
24.081	Line Identification Supplementary Service; Stage 3				3.1.0	4.0.1	5.0.0
24.082	Call Forwarding supplementary service; Stage 3				3.0.0	4.0.1	5.0.0
24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
24.084	MultiParty (MPTY) Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0
24.085	Closed User Group (CUG) Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
24.086	Advice of Charge (AoC) Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0
24.087	User-to-User Signalling (UUS); Stage 3				3.0.0	4.0.1	5.0.0
24.088	Call Barring (CB) Supplementary Service; Stage 3				3.0.0	4.0.2	5.0.0
24.090	Unstructured Supplementary Service Data (USSD); Stage 3				3.0.0	4.0.1	5.0.0
24.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0
24.093	Call Completion to Busy Subscriber (CCBS); Stage 3				3.0.0	4.0.1	5.0.0
24.096	Name Identification Supplementary Service; Stage 3				3.0.0	4.0.1	5.0.0
24.109	Bootstrapping interface (Ub) and network application function interface (Ua); Protocol details						
24.135	Multicall supplementary service; Stage 3				3.2.0	4.1.1	5.0.0
24.141	Presence service using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3						
24.147	Conferencing using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3						
24.167	3GPP IMS Management Object (MO); Stage 3						
24.228	Signalling flows for the IP multimedia call control based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3						5.11.0
24.229	Internet Protocol (IP) multimedia call control protocol based on Session Initiation Protocol (SIP) and Session Description Protocol (SDP); Stage 3						5.11.1
24.234	3GPP system to Wireless Local Area Network (WLAN) interworking; User Equipment (UE) to network protocols; Stage 3						
24.241	3GPP Generic User Profile (GUP) Common objects; Stage 3						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
24.247	Messaging using the IP Multimedia (IM) Core Network (CN) subsystem; Stage 3						
24.819	Protocol impact from providing IMS services via fixed broadband; Stage-3						
24.841	Presence service based on Session Initiation Protocol (SIP); Functional models, information flows and protocol details						
25.101	User Equipment (UE) radio transmission and reception (FDD)				3.17.0	4.11.0	5.13.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.102	User Equipment (UE) radio transmission and reception (TDD)				3.12.0	4.7.0	5.6.0
25.103	RF parameters in support of RRM *spec withdrawn*				2.0.0		
25.104	Base Station (BS) radio transmission and reception (FDD)				3.12.0	4.7.0	5.9.0
25.105	Base Station (BS) radio transmission and reception (TDD)				3.13.0	4.8.0	5.6.0
25.106	UTRA repeater radio transmission and reception					4.8.0	5.8.0
25.107	UTRA Repeater; Conformance testing *spec withdrawn*					0.0.1	
25.113	Base station and repeater electromagnetic compatibility (EMC)				3.5.0	4.4.0	5.5.0
25.123	Requirements for support of radio resource management (TDD)				3.14.0	4.13.0	5.10.0
25.133	Requirements for support of radio resource management (FDD)				3.19.0	4.13.0	5.13.0
25.141	Base Station (BS) conformance testing (FDD)				3.13.0	4.8.0	5.9.0
25.142	Base Station (BS) conformance testing (TDD)				3.13.0	4.9.0	5.7.0
25.143	UTRA repeater conformance testing					4.10.0	5.8.0
25.171	Requirements for support of Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)						
25.201	Physical layer - general description				3.4.0	4.3.0	5.2.0
25.211	Physical channels and mapping of transport channels onto physical channels (FDD)				3.12.0	4.6.0	5.6.0
25.212	Multiplexing and channel coding (FDD)				3.11.0	4.6.0	5.9.0
25.213	Spreading and modulation (FDD)				3.9.0	4.4.0	5.5.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.214	Physical layer procedures (FDD)				3.12.0	4.6.0	5.10.0
25.215	Physical layer; Measurements (FDD)				3.12.0	4.7.0	5.5.0
25.221	Physical channels and mapping of transport channels onto physical channels (TDD)				3.11.0	4.7.0	5.5.0
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
25.222	Multiplexing and channel coding (TDD)				3.10.0	4.8.0	5.7.0
25.223	Spreading and modulation (TDD)				3.8.0	4.5.0	5.3.0
25.224	Physical layer procedures (TDD)				3.13.0	4.11.0	5.8.0
25.225	Physical layer; Measurements (TDD)				3.12.0	4.8.0	5.7.0
25.301	Radio interface protocol architecture				3.11.0	4.4.0	5.3.0
25.302	Services provided by the physical layer				3.16.0	4.8.0	5.7.0
25.303	Interlayer procedures in Connected Mode				3.12.0	4.5.0	5.2.0
25.304	User Equipment (UE) procedures in idle mode and procedures for cell reselection in connected mode				3.14.0	4.8.0	5.7.0
25.305	User Equipment (UE) positioning in Universal Terrestrial Radio Access Network (UTRAN); Stage 2				3.11.0	4.7.0	5.9.0
25.306	UE Radio Access capabilities definition				3.10.0	4.9.0	5.9.0
25.307	Requirements on User Equipments (Ues) supporting a release-independent frequency band				3.4.0	4.4.0	5.3.0
25.308	UTRA High Speed Downlink Packet Access (HSDPA); Overall description; Stage 2						5.7.0
25.309	FDD enhanced uplink; Overall description; Stage 2						
25.321	Medium Access Control (MAC) protocol specification				3.17.0	4.10.0	5.10.0
25.322	Radio Link Control (RLC) protocol specification				3.18.0	4.12.0	5.9.0
25.323	Packet Data Convergence Protocol (PDCP) specification				3.10.0	4.6.0	5.2.0
25.324	Broadcast/Multicast Control (BMC)				3.9.0	4.5.0	5.5.0
25.331	Radio Resource Control (RRC) protocol specification				3.21.0	4.16.0	5.11.0
25.346	Introduction of Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN); Stage 2						
25.401	UTRAN overall description				3.10.0	4.6.0	5.9.0
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
25.402	Synchronisation in UTRAN Stage 2				3.10.0	4.6.0	5.3.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.410	UTRAN Iu Interface: General Aspects and Principles				3.8.0	4.5.0	5.4.0
25.411	UTRAN Iu interface layer 1				3.5.0	4.1.0	5.1.0
25.412	UTRAN Iu interface signalling transport				3.6.0	4.1.0	5.2.0
25.413	UTRAN Iu interface Radio Access Network Application Part (RANAP) signalling				3.14.0	4.12.0	5.10.0
25.414	UTRAN Iu interface data transport & transport signalling				3.13.0	4.7.0	5.7.0
25.415	UTRAN Iu interface user plane protocols				3.12.0	4.7.0	5.4.0
25.419	UTRAN Iu-BC interface: Service Area Broadcast Protocol (SABP)				3.11.0	4.10.0	5.7.0
25.420	UTRAN Iur Interface: General Aspects and Principles				3.5.0	4.2.0	5.2.0
25.421	UTRAN Iur interface Layer 1				3.1.0	4.0.0	5.0.0
25.422	UTRAN Iur interface signalling transport				3.6.1	4.2.0	5.1.0
25.423	UTRAN Iur interface Radio Network Subsystem Application Part (RNSAP) signalling				3.14.2	4.12.1	5.12.0
25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams				3.9.0	4.3.0	5.4.0
25.425	UTRAN Iur interface user plane protocols for CCH data streams				3.8.0	4.4.0	5.7.0
25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams				3.9.0	4.4.0	5.6.0
25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams				3.11.0	4.5.0	5.3.0
25.430	UTRAN Iub Interface: General Aspects and Principles				3.8.0	4.4.0	5.4.0
25.431	UTRAN Iub interface Layer 1				3.1.0	4.0.0	5.0.0
25.432	UTRAN Iub interface: signalling transport				3.1.0	4.0.0	5.1.0
25.433	UTRAN Iub interface NBAP signalling				3.14.2	4.13.0	5.11.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams				3.8.0	4.4.0	5.4.0
25.435	UTRAN Iub interface user plane protocols for CCH data streams				3.11.0	4.6.0	5.7.0
25.442	UTRAN implementation-specific O&M transport				3.1.0	4.0.0	5.1.0
25.450	UTRAN Iupc interface general aspects and principles						5.1.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.451	UTRAN Iupc interface layer 1						5.0.1
25.452	UTRAN Iupc interface: signalling transport						5.0.0
25.453	UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling						5.9.0
25.460	UTRAN Iuant interface: General aspects and principles						
25.461	UTRAN Iuant interface: Layer 1						
25.462	UTRAN Iuant interface: Signalling transport						
25.463	UTRAN Iuant interface: Remote Electrical Tilting (RET) antennas Application Part (RETAP) signalling						
25.801	Feasibility study for improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)						
25.802	Remote control of electrical tilting antennas						
25.803	S-CCPCH performance for MBMS						
25.804	Feasibility study on uplink enhancements for UTRA TDD						
25.805	DS-CDMA introduction in the 800 MHz band						
25.806	UMTS 1700/2100MHz Work Item						
25.807	Low output powers for general purpose Frequency Division Duplex (FDD) Base Station (BS)						
25.808	FDD enhanced uplink; Physical layer aspects						
25.810	UMTS 2.6 GHz (FDD)						
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
25.812	Requirements for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN)						
25.831	Study Items for future release *spec withdrawn*				*0.0.2*		
25.832	Manifestations of Handover and SRNS relocation				3.0.0	4.0.0	
25.833	Physical layer items not for inclusion in Release 99				3.0.0		
25.834	UTRA TDD low chip rate option; Radio protocol aspects					4.1.0	

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.835	Report on hybrid ARQ type II/III *spec withdrawn*					*1.0.0*	
25.836	Node B synchronization for TDD					**4.1.0**	
25.837	Hybrid ARQ Type II/III (Iub/Iur aspects) *spec withdrawn*					*0.1.0*	
25.838	Node B Synchronisation for TDD (Iub/Iur aspects)					**4.1.0**	
25.839	Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects) *spec withdrawn*					*0.3.0*	
25.840	Terminal power saving features					**4.0.0**	
25.841	DSCH power control improvement in soft handover					**4.1.0**	
25.842	Smart antenna *spec withdrawn*					*1.0.0*	
25.843	1,28 Mcps TDD UE Radio Access Capabilities					**4.1.0**	
25.844	Radio acces bearer support enhancements					**4.3.0**	
25.845	FDD RACH and AICH performance requirements *spec withdrawn*					*0.0.3*	
25.847	UE positioning enhancements					**4.0.0**	
25.848	Physical Layer Aspects of UTRA High Speed Downlink Packet Access					**4.0.0**	
25.849	DSCH power control improvement in soft handover					**4.0.0**	
25.850	UE positioning in UTRAN Iub/Iur protocol aspects					**4.3.0**	
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
25.851	RAB Quality of Service (QoS) Renegotiation over Iu					**4.0.0**	
25.852	Iu enhancements for IP Multimedia (IMS) support in UTRAN					*0.1.2*	
25.853	Delay budget within the access stratum				**3.1.0**	**4.0.0**	
25.854	Uplink Synchronous Transmission Scheme (USTS)						**5.0.0**
25.855	High Speed Downlink Packet Access (HSDPA); Overall UTRAN description *spec withdrawn*						*5.0.0*
25.858	Physical layer aspects of UTRA High Speed Downlink Packet Access						**5.0.0**
25.859	User Equipment (UE) positioning enhancements for 1,28 Mcps TDD						**5.0.0**
25.860	Radio acces bearer support enhancements						**5.0.0**
25.862	RAB support for IMS						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.867	Feasibility study for wideband distribution systems in 3rd generation networks *spec withdrawn*						1.3.0
25.868	Node B synchronization for 1,28 Mcps TDD						5.0.1
25.869	Transmitter diversity solutions for multiple antennas *spec withdrawn*						1.2.1
25.870	Enhancement on the DSCH Hard Split mode						5.0.0
25.875	NAS node selector function						5.0.0
25.876	Multiple Input Multiple Output (MIMO) antennae in UTRA						1.7.0
25.877	High Speed Downlink Packet Access (HSDPA) - Iub/Iur Protocol Aspects						5.1.0
25.878	RL timing adjustment						5.1.0
25.879	Separation of resource reservation and radio link activation						5.0.0
25.880	Re-arrangement of Iub transport bearers						5.0.0
25.881	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS						5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.882	1,28 Mcps TDD option base station classification						5.0.0
25.883	Direct Transport Bearers Between SRNC and Node-B						5.0.0
25.884	Iur Neighbouring cell reporting efficiency optimisation						5.0.0
25.885	UMTS 1800 / 1900 MHz work items report *spec withdrawn*						1.0.0
25.887	Beamforming enhancements						1.0.0
25.888	Improvement of inter frequency and inter system measurement for 1,28 Mcps TDD						1.0.0
25.889	Feasibility study considering the viable deployment of UTRA in additional and diverse spectrum arrangements						
25.890	High Speed Downlink Packet Access (HSDPA); User Equipment (UE) radio transmission and reception (FDD) *spec withdrawn*						1.0.0
25.891	Improvement of Radio Resource Management (RRM) across RNS and RNS/BSS post Rel-5						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.892	Feasibility study for Orthogonal Frequency Division Multiplexing (OFDM) for UTRAN enhancement						
25.895	Analysis of higher chip rates for UTRA TDD evolution						
25.896	Feasibility study for enhanced uplink for UTRA FDD						
25.897	Feasibility study on the evolution of UTRAN architecture *spec withdrawn*						
25.898	Power control enhancements for UTRA						
25.899	High Speed Downlink Packet Access (HSDPA) enhancements						
25.901	Network Assisted Cell Change (NACC) from UTRAN to GERAN; Network side aspects						
25.909	Enhanced uplink UTRA FDD; UTRAN Iub/Iur protocol aspects *spec withdrawn*						
25.912	Feasibility study for evolved Universal Terrestrial Radio Access (UTRA) and Universal Terrestrial Radio Access Network (UTRAN)						
25.921	Guidelines and principles for protocol description and error handling				3.11.0	4.8.0	5.5.0
25.922	Radio resource management strategies				3.8.0	4.3.0	5.3.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.923	Stage 2 Functional Specification of Location Services in UTRAN *spec withdrawn*				1.4.0		
25.924	Opportunity Driven Multiple Access (ODMA) *spec withdrawn*				1.0.0		
25.925	Radio Interface for Broadcast/Multicast Services				3.5.0		
25.926	UE Radio Access capabilities definition *spec withdrawn*				3.3.0		
25.928	1,28 Mcps functionality for UTRA TDD physical layer					4.0.1	
25.931	UTRAN Functions, examples on signalling procedures				3.7.0	4.4.0	5.1.0
25.932	Delay budget within the access stratum *spec withdrawn*					2.0.0	
25.933	IP transport in UTRAN					2.0.0	5.4.0
25.934	AAL2 QoS optimization					4.0.0	
25.935	RRM optimisation					4.1.0	
25.936	Handover for realtime services from PS-domain					4.0.1	
25.937	UTRAN TDD low chiprate					4.1.0	

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.938	Terminal power saving features *spec withdrawn*				*2.0.0*		
25.941	Document structure				**3.1.0**		
25.942	Radio Frequency (RF) system scenarios				**3.3.0**	**4.2.0**	**5.3.0**
25.943	Deployment aspects					**4.2.0**	**5.1.0**
25.944	Channel coding and multiplexing examples				**3.5.0**	**4.1.0**	
25.945	RF requirements for low chip rate TDD option					**4.1.1**	**5.1.0**
25.946	RAB Quality of Service (QoS) Negotiation over Iu					**4.0.0**	
25.950	UTRA high speed downlink packet access					**4.0.0**	
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
25.951	Base Station (BS) classification (FDD)					*1.1.0*	*1.5.1*
25.952	Base Station classification (TDD)					*1.1.0*	**5.2.0**
25.953	TrFO/TFO					**4.0.0**	
25.954	Migration to modification procedure					**4.0.0**	
25.956	Universal Terrestrial Radio Access (UTRA) repeater planning guidelines and system analysis					**4.0.0**	**5.0.0**
25.990	Vocabulary for UTRAN *spec withdrawn*				*3.0.0*		
25.991	Feasibility study on the mitigation of the effect of common pilot channel (CPICH) interference at the user equipment						**5.1.0**
25.992	Multimedia Broadcast/Multicast Service (MBMS); UTRAN/GERAN requirements						
25.993	Typical examples of Radio Access Bearers (RABs) and Radio Bearers (RBs) supported by Universal Terrestrial Radio Access (UTRA)				**3.1.0**	**4.1.0**	**5.1.0**
25.994	Measures employed by the UMTS Radio Access Network (UTRAN) to overcome early User Equipment (UE) implementation faults						**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						**0.0.1**
25.996	Spacial channel model for Multiple Input Multiple Output (MIMO) simulations						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
25.998	UTRAN recommendation and UE allowance for non-essential corrections of a feature made only in a later release *spec withdrawn*						
26.071	AMR speech Codec; General description				3.0.1	4.0.0	5.0.0
26.073	AMR speech Codec; C-source code				3.3.0	4.1.0	5.3.0
26.074	AMR speech Codec; Test sequences				3.1.1	4.0.1	5.0.0
26.075	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec *spec withdrawn*				1.2.0		
26.077	Minimum performance requirements for noise suppresser application to the Adaptive Multi-Rate (AMR) speech encoder					4.0.0	5.0.1
26.078	Results of the AMR noise suppression selection phase *spec withdrawn*					4.0.0	
26.090	AMR speech Codec; Transcoding Functions				3.1.0	4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
26.091	AMR speech Codec; Error concealment of lost frames				3.1.0	4.0.0	5.0.0
26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels				3.0.1	4.0.0	5.0.0
26.093	AMR speech Codec; Source Controlled Rate operation				3.3.0	4.0.0	5.2.0
26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels				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				3.3.0	4.2.0	5.0.0
26.102	Adaptive Multi-Rate (AMR) speech codec; Interface to Iu and Uu				3.4.0	4.1.0	5.2.0
26.103	Speech codec list for GSM and UMTS				3.2.0	4.4.0	5.6.0
26.104	ANSI-C code for the floating-point Adaptive Multi-Rate (AMR) speech codec				3.5.0	4.5.0	5.4.0
26.110	Codec for circuit switched multimedia telephony service; General description				3.1.0	4.1.0	5.0.0
26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324				3.4.0	4.0.0	5.1.0
26.112	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements *spec withdrawn*				1.1.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
26.115	Echo control for speech and multimedia services				*0.0.1*	**4.0.0**	**5.0.0**
26.131	Terminal acoustic characteristics for telephony; Requirements				**3.4.0**	**4.2.0**	**5.2.0**
26.132	Narrow band (3,1 kHz) speech and video telephony terminal acoustic test specification				**3.5.0**	**4.3.0**	**5.4.0**
26.140	Multimedia Messaging Service (MMS); Media formats and codes						**5.2.0**
26.141	IP Multimedia System (IMS) Messaging and Presence; Media formats and codecs						
26.171	Speech codec speech processing functions; AdaptiveMulti-Rate - Wideband (AMR-WB) speech codec; General description						**5.0.0**
26.173	ANSI-C code for the Adaptive Multi-Rate - Wideband (AMR-W) speech codec						**5.9.0**
26.174	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec test sequences						**5.4.0**
26.177	Speech Enabled Services (SES); Distributed Speech Recognition (DSR) extended advanced front-end test sequences						
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
26.190	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Transcoding functions						**5.1.0**
26.191	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Error concealment of erroneous or lost frames						**5.1.0**
26.192	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Comfort noise aspects						**5.0.0**
26.193	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Source controlled rate operation						**5.0.0**

26.194	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Voice Activity Detector (VAD)						5.0.0
26.201	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Frame structure						5.0.0
26.202	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; Interface to Iu, Uu and Nb						5.1.0
26.204	Speech codec speech processing functions; Adaptive Multi-Rate - Wideband (AMR-WB) speech codec; ANSI-C code						5.3.0
26.226	Cellular text telephone modem; General description					4.0.0	5.0.0
26.230	Cellular text telephone modem; Transmitter bit exact C-code					4.0.0	5.0.2
26.231	Cellular text telephone modem; Minimum performance requirements						5.2.1
26.233	End-to-end transparent streaming service; General description					4.2.0	5.0.0
26.234	Transparent end-to-end Packet-switched Streaming Service (PSS); Protocols and codecs					4.5.0	5.6.0
26.235	Packet switched conversational multimedia applications; Default codecs					4.1.0	5.1.0
26.236	Packet switched conversational multimedia applications; Transport protocols						5.5.0
26.243	ANSI C code for the fixed-point distributed speech recognition extended advanced front-end						
26.244	Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)						
26.245	Transparent end-to-end Packet switched Streaming Service (PSS); Timed text format						
26.246	Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP SMIL language profile						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
26.273	ANSI-C code for the fixed-point Extended Adaptive Multi-Rate - Wideband (AMR-WB+) speech codec						
26.290	Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions						
26.304	Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Floating-point ANSI-C code						
26.346	Multimedia Broadcast/Multicast Service (MBMS); Protocols and codecs						
26.401	General audio codec audio processing functions; Enhanced aacPlus general audio codec; General description						
26.402	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Additional decoder tools						
26.403	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Encoder specification; Advanced Audio Coding (AAC) part						
26.404	General audio codec audio processing 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						
26.410	General audio codec audio processing functions; Enhanced aacPlus general audio codec; Floating-point ANSI-C code						
26.412	General audio codec audio processing functions; Source code for 3GP file format						
26.901	AMR wideband speech codec; Feasibility study report					4.0.1	
26.911	Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide				3.4.0	4.2.0	5.1.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G				3.0.0	4.0.0	
26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G *spec withdrawn*				0.0.1		
26.915	Echo Control For Speech and Multi-Media Services				3.0.0		
26.920	Architectural Model for the 3G Transcoders *spec withdrawn*					0.1.1	
26.935	Packet Switched (PS) conversational multimedia applications; Performance characterization of default codecs						
26.937	Transparent end-to-end packet switched streaming service (PSS); Real-time Transport Protocol (RTP) usage model						5.0.0
26.943	Recognition performance evaluations of codecs for Speech Enabled Services (SES)						
26.946	Multimedia Broadcast/Multicast Service (MBMS) user service guidelines						
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
26.975	Performance characterization of the Adaptive Multi-Rate (AMR) speech codec				3.1.0	4.1.0	5.0.0
26.976	Performance characterization of the Adaptive Multi-Rate Wideband (AMR-WB) speech codec						5.1.0
26.978	Results of the Adaptive Multi-Rate (AMR) noise suppression selection phase					4.0.0	
27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)				3.15.0	4.12.0	5.8.0
27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities				3.5.0	4.0.0	5.0.0
27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities				3.5.0	4.1.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
27.005	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE-DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)				3.2.0	4.2.1	5.0.1
27.007	AT command set for User Equipment (UE)				3.13.0	4.6.0	5.5.0
27.00U	Principles for handling of data services in the UMTS *spec withdrawn*						
27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol				3.4.0	4.2.0	5.0.0
27.060	Packet domain; Mobile Station (MS) supporting Packet Switched services				3.8.0	4.3.1	5.6.0
27.103	Wide Area Network Synchronization				3.1.0	4.0.0	5.0.0
27.104	vObjects and other constructs for data synchronization *spec withdrawn*						0.1.1
27.901	Report on Terminal Interfaces - An Overview				3.1.0	4.1.0	5.0.0
27.903	Discussion of synchronization standards				3.0.0	4.0.0	
28.062	Inband Tandem Free Operation (TFO) of speech codecs; Service description; Stage 3				3.0.0	4.6.0	5.5.0
29.002	Mobile Application Part (MAP) specification				3.20.0	4.15.0	5.10.0
29.004	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN) *spec withdrawn*				3.0.0		
29.005	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access *spec withdrawn*				3.0.0		
29.006	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services *spec withdrawn*				3.0.0		
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
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)				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)				3.12.0	4.8.0	5.7.0
29.011	Signalling Interworking for Supplementary Services				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				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				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				3.11.0	4.5.0	5.5.0
29.060	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol (GTP) across the Gn and Gp interface				3.19.0	4.11.0	5.12.0
29.061	Interworking between the Public Land Mobile Network (PLMN) supporting packet based services and Packet Data Networks (PDN)				3.14.0	4.10.0	5.9.0
29.078	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification				3.15.0	4.8.0	5.9.0
29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface				3.3.0	4.4.0	5.4.0
29.109	Generic Authentication Architecture (GAA); Zh and Zn Interfaces based on the Diameter protocol; Stage 3						
29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)				3.0.0	4.0.0	5.0.0
29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3				3.1.0	4.0.0	5.0.0
29.140	Multimedia Messaging Service (MMS); MM10 interface based on Diameter protocol; Stage 3						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
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)						
29.162	Interworking between the IM CN subsystem and IP networks						*1.0.0*
29.163	Interworking between the IP Multimedia (IM) Core Network (CN) subsystem and Circuit Switched (CS) networks						*1.3.1*
29.198	Open Service Architecture (OSA) Application Programming Interface (API) - Part 1				3.4.0		
29.198-01	Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview					4.3.7	5.8.1
29.198-02	Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data definitions					4.7.0	5.9.1
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
29.198-03	Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework					4.9.0	5.9.1
29.198-04	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control Service Capability Feature (SCF)					4.11.0	*5.0.0*
29.198-04-1	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 1: Call control common definitions						5.8.1
29.198-04-2	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 2: Generic call control Service Capability Feature (SCF)						5.9.1
29.198-04-3	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 3: Multi-party call control Service Capability Feature (SCF)						5.9.1

[29.198-04-4](#)	Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control; Subpart 4: Multimedia call control Service Capability Feature (SCF)						**5.9.1**
[29.198-05](#)	Open Service Access (OSA) Application Programming Interface (API); Part 5: User interaction Service Capability Feature (SCF)					**4.10.0**	**5.9.1**
[29.198-06](#)	Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility Service Capability Feature (SCF)					**4.5.0**	**5.7.1**
[29.198-07](#)	Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities Service Capability Feature (SCF)					**4.5.0**	**5.8.1**
[29.198-08](#)	Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control Service Capability Feature (SCF)					**4.8.0**	**5.8.1**
[29.198-11](#)	Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management Service Capability Feature (SCF)					**4.5.0**	**5.7.1**
[29.198-12](#)	Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging Service Capability Feature (SCF)					**4.5.0**	**5.8.2**
[29.198-13](#)	Open Service Access (OSA) Application Programming Interface (API); Part 13: Policy management Service Capability Feature (SCF)						**5.6.1**
[29.198-14](#)	Open Service Access (OSA) Application Programming Interface (API); Part 14: Presence and Availability Management (PAM) Service Capability Feature (SCF)						**5.7.1**
[29.198-15](#)	Open Service Access (OSA) Application Programming Interface (API); Part 15: Multi-media Messaging (MM) Service Capability Feature (SCF)						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
29.199	Open Service Access (OSA); Web Services Application Programming Interface (API) for OSA; Parlay X services *spec withdrawn*						
29.199-01	Open Service Access (OSA); Parlay X web services; Part 1: Common						
29.199-02	Open Service Access (OSA); Parlay X web services; Part 2: Third party call						
29.199-03	Open Service Access (OSA); Parlay X web services; Part 3: Call notification						
29.199-04	Open Service Access (OSA); Parlay X web services; Part 4: Short messaging						
29.199-05	Open Service Access (OSA); Parlay X web services; Part 5: Multimedia messaging						
29.199-06	Open Service Access (OSA); Parlay X web services; Part 6: Payment						
29.199-07	Open Service Access (OSA); Parlay X web services; Part 7: Account management						
29.199-08	Open Service Access (OSA); Parlay X web services; Part 8: User status						
29.199-09	Open Service Access (OSA); Parlay X web services; Part 9: Terminal location						
29.199-10	Open Service Access (OSA); Parlay X web services; Part 10: Call handling						
29.199-11	Open Service Access (OSA); Parlay X web services; Part 11: Audio call						
29.199-12	Open Service Access (OSA); Parlay X web services; Part 12: Multimedia conference						
29.199-13	Open Service Access (OSA); Parlay X web services; Part 13: Address list management						
29.199-14	Open Service Access (OSA); Parlay X web services; Part 14: Presence						
29.202	Signalling System No. 7 (SS7) signalling transport in core network; Stage 3					4.3.0	5.2.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
29.205	Application of Q.1900 series to bearer-independent Circuit Switched (CS) core network architecture; Stage 3					4.2.0	5.1.0
29.207	Policy control over Go interface						5.9.0
29.208	End to end Quality of Service (QoS) signalling flows						5.9.0
29.209	Policy control over Gq interface						
29.210	Charging rule provisioning over Gx interface						
29.211	Rx interface for Flow Based Charging (FBC)						
29.228	IP Multimedia (IM) Subsystem Cx and Dx Interfaces; Signalling flows and message contents						5.10.0
29.229	Cx and Dx interfaces based on the Diameter protocol; Protocol details						5.9.0
29.230	Diameter applications; 3GPP specific codes and identifiers						
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
29.232	Media Gateway Controller (MGC) - Media Gateway (MGW) interface; Stage 3					4.10.0	5.9.0
29.234	3GPP system to Wireless Local Area Network (WLAN) interworking; Stage 3						
29.240	Generic User Profile (GUP); Stage 3; Network						
29.278	customized Applications for Mobile network Enhanced Logic (CAMEL); CAMEL Application Part (CAP) specification for IP Multimedia Subsystems (IMS)						5.3.0
29.328	IP Multimedia Subsystem (IMS) Sh interface signalling flows and message contents						5.8.0
29.329	Sh interface based on the Diameter protocol						5.8.0
29.332	Media Gateway Control Function (MGCF) - IM Media Gateway (IM-MGW) Mn interface; Stage 3						
29.414	Core network Nb data transport and transport signalling					4.4.0	5.0.0
29.415	Core network Nb interface user plane protocols					4.3.0	5.1.0
29.846	Multimedia Broadcast/Multicast Service (MBMS); CN1 procedure description						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
29.847	Conferencing based on SIP, SDP, and other protocols; Functional models, information flows and protocol details						
29.903	Feasibility Study on SS7 signalling transport in the core network with SCCP-User Adaptation (SUA) layer						5.0.0
29.962	Signalling interworking between the 3GPP profile of the Session Initiation Protocol (SIP) and non 3GPP SIP usage						
29.994	Recommended infrastructure measures to overcome specific Mobile Station (MS) and User Equipment (UE) faults				3.0.1	4.0.1	5.0.1
29.998	Open Services Architecture API part 2				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					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					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						5.0.3
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					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					4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5

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						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						4.0.0	5.0.0
30.002	Guidelines for the modification of the Mobile Application Part (MAP) *spec withdrawn*						4.0.1	5.0.0
30.00U	SMG - UMTS Work programme *spec withdrawn*							
30.01U	UMTS Baseline document: Collection of the SMG's positions on the UMTS *spec withdrawn*							
30.03U	Selection procedures for the choice of radio transmission technologies of the UMTS							
30.04U	Definition of the limited number of UTRA concepts *spec withdrawn*							
30.06U	UTRA Concept Evaluation Reports							
30.20U	Technical characteristics, capabilities and limitations of mobile satellite systems applicable to the UMTS *spec withdrawn*							
30.504	Work Plan and Study Items - RAN WG4 *spec withdrawn*						2.2.0	
30.531	Work Plan and Study Items - RAN WG3				0.13.1			
30.801	Overall Project Plan *spec withdrawn*						1.1.0	
30.802	Project plan on Bearer Services and QoS *spec withdrawn*						4.0.0	
30.804	Project plan on GSM/UMTS Interoperation and Mobility Management *spec withdrawn*						1.0.0	
30.806	Project plan on Location based services *spec withdrawn*						1.0.0	
30.808	Project plan on Packet Architecture and Circuit Architecture *spec withdrawn*						1.0.0	
30.810	Project plan on Security *spec withdrawn*						1.0.0	

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
30.812	Project plan on Services and Service platforms *spec withdrawn*					*1.0.0*	
30.902	Guidelines for the modification of the Mobile Application Part (MAP) in Phase 2+					4.0.2	5.0.1
31.048	Security mechanisms for the (U)SIM application toolkit; Test specification						5.0.4
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
31.101	UICC-terminal interface; Physical and logical characteristics				3.3.1	4.2.1	5.2.1
31.102	Characteristics of the USIM application				3.17.0	4.14.0	5.11.0
31.103	Characteristics of the IP Multimedia Services Identity Module (ISIM) application						5.8.0
31.110	Numbering system for telecommunication IC card applications				3.2.0	4.1.0	
31.111	Universal Subscriber Identity Module Application Toolkit (USAT)				3.13.0	4.13.0	5.8.0
31.112	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter architecture description; Stage 2						5.2.0
31.113	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter byte codes						5.6.0
31.114	Universal Subscriber Identity Module Application Toolkit (USAT) interpreter protocol and administration						5.3.0
31.115	Secured packet structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications						*1.0.0*
31.116	Remote APDU Structure for (Universal) Subscriber Identity Module (U)SIM Toolkit applications						*1.0.0*
31.120	UICC-terminal interface; Physical, electrical and logical test specification				3.1.0	4.0.0	5.0.0
31.121	UICC-terminal interface; Universal Subscriber Identity Module (USIM) application test specification				3.11.0	4.10.0	5.0.1
31.122	Universal Subscriber Identity Module (USIM) conformance test specification				3.8.0	4.0.0	
31.123	(Universal) Subscriber Interface Module ((U)SIM) toolkit interpreter test *spec withdrawn*						*0.3.0*

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
31.124	Universal Subscriber Interface Module Application Toolkit (USAT) conformance test specification						
31.130	(U)SIM Application Programming Interface API; (U)SIM API for Java Card(TM)						
31.131	C-language binding for (Universal) Subscriber Identity Module ((U)SIM) API						*1.0.0*
31.50U	Essential requirements for UMTS Mobile Stations (ME) operating within frequency bands 1885-1980, 2010-2025 and 2110-2200 MHz **spec withdrawn**						
31.60U	Essential requirements for UMTS Mobile Earth Stations (MES) operating within frequency bands 1980- 2010 and 2170-2200 MHz **spec withdrawn**						
31.900	SIM/USIM internal and external interworking aspects				*3.2.0*	*4.0.0*	*5.5.0*

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
31.919	2G/3G Java Card(TM) Application Programming Interface (API) based applet interworking						
32.005	Telecommunications management; Charging management; 3G call and event data for the Circuit Switched (CS) domain				**3.7.0**		
32.015	Telecommunications management; Charging management; 3G call and event data for the Packet Switched (PS) domain				**3.12.0**		
32.01U	Overall principles of the OAM for the UMTS **spec withdrawn**						
32.101	Telecommunication management; Principles and high level requirements				**3.4.0**	**4.2.1**	**5.5.0**
32.102	Telecommunication management; Architecture				**3.2.0**	**4.5.0**	**5.6.0**
32.104	Telecommunication management; 3G Performance Management				**3.9.0**	*4.0.0*	
32.105	3G charging and billing; Stage 2 description **spec withdrawn**					*0.0.4*	
32.106	Configuration Management **spec withdrawn**				*3.0.1*		
32.106-1	Telecommunication management; Configuration Management (CM); Part 1: Concept and requirements				**3.1.0**	*4.0.0*	

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.106-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service (IS)				3.3.0		
32.106-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP); Common Object Request Broker Architecture (CORBA) Solution Set (SS)				3.3.0		
32.106-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Poin (IRP); Common Management Information Protocol (CMIP) Solution Set (SS)				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)				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)				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)				3.3.0		
32.106-8	Telecommunication management; Configuration Management (CM); Part 8: Name convention for Managed Objects				3.2.0	4.0.0	
32.108	Telecommunication management; Subscriber and equipment trace *spec withdrawn*						0.1.0
32.111	3G Fault Management *spec withdrawn*				3.2.0	4.0.0	
32.111-1	Telecommunication management; Fault Management; Part 1: 3G fault management requirements				3.2.0	4.0.1	5.1.1
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5

Spec	Title						
32.111-2	Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)					**3.3.0**	**4.7.0**	**5.5.0**
32.111-3	Telecommunication management; Fault Management; Part 3: Alarm Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)					**3.6.0**	**4.6.0**	**5.5.1**
32.111-4	Telecommunication management; Fault Management; Part 4: Alarm Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)					**3.2.0**	**4.6.0**	**5.8.0**
32.111-5	Telecommunication management; Fault Management; Part 5: Alarm Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions							
32.112-1	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 1: Requirements *spec withdrawn*						*2.0.0*	
32.112-2	Telecommunication management; Generic Integration Reference Point (IRP) management; Part 2: Information service *spec withdrawn*						*2.0.0*	
32.140	Telecommunication management; Subscription Management (SuM) requirements						*0.1.0*	*0.5.5*
32.141	Telecommunication management; Subscription Management (SuM) architecture							
32.150	Telecommunication management; Integration Reference Point (IRP) Concept and definitions							
32.151	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) template							
32.152	Telecommunication management; Integration Reference Point (IRP) Information Service (IS) Unified Modelling Language (UML) repertoire							

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.171	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements						
32.172	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)						
32.175	Telecommunication management; Subscription Management (SuM) Network Resource Model (NRM) Integration Reference Point (IRP): eXtensible Markup Language (XML) definition						
32.200	Telecommunication management; Charging management; Charging principles					4.5.0	5.7.0
32.205	Telecommunication management; Charging management; Charging data description for the Circuit Switched (CS) domain					4.7.0	5.8.0
32.215	Telecommunication management; Charging management; Charging data description for the Packet Switched (PS) domain					4.8.0	5.7.0
32.225	Telecommunication management; Charging management; Charging data description for the IP Multimedia Subsystem (IMS)						5.7.0
32.235	Telecommunication management; Charging management; Charging data description for application services					4.6.0	5.4.0
32.240	Telecommunication management; Charging management; Charging architecture and principles						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.250	Telecommunication management; Charging management; Circuit Switched (CS) domain charging						
32.251	Telecommunication management; Charging management; Packet Switched (PS) domain charging						

32.252	Telecommunication management; Charging management; Wireless Local Area Network (WLAN) charging						
32.260	Telecommunication management; Charging management; IP Multimedia Subsystem (IMS) charging						
32.270	Telecommunication management; Charging management; Multimedia Messaging Service (MMS) charging						
32.271	Telecommunication management; Charging management; Location Services (LCS) charging						
32.272	Telecommunication management; Charging management; Push-to-talk over Cellular (PoC) charging						
32.273	Telecommunication management; Charging management; Multimedia Broadcast and Multicast Service (MBMS) charging						
32.295	Telecommunication management; Charging management; Charging Data Record (CDR) transfer						
32.296	Telecommunication management; Charging management; Online Charging System (OCS): Applications and interfaces						
32.297	Telecommunication management; Charging management; Charging Data Record (CDR) file format and transfer						
32.298	Telecommunication management; Charging management; Charging Data Record (CDR) parameter description						
32.299	Telecommunication management; Charging management; Diameter charging applications						
32.300	Telecommunication management; Configuration Management (CM); Name convention for Managed Objects					4.1.1	5.0.1
32.301	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Requirements					4.0.2	5.0.1

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.301-1	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): requirements *spec withdrawn*					*2.0.0*	
32.301-2	Telecommunication management; Configuration Management (CM); Part 2: Notification Integration Reference Point (IRP): Information Service *spec withdrawn*					*2.0.0*	
32.301-3	Telecommunication management; Configuration Management (CM); Part 3: Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) solution set *spec withdrawn*					*2.0.0*	
32.301-4	Telecommunication management; Configuration Management (CM); Part 4: Notification Integration Reference Point: Common Management Information Protocol (CMIP) solution *spec withdrawn*					*2.0.0*	
32.302	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Information Service (IS)					**4.2.0**	**5.2.0**
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
32.303	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)					**4.5.0**	**5.2.0**
32.304	Telecommunication management; Configuration Management (CM); Notification Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)					**4.2.1**	**5.2.1**
32.311	Telecommunication management; Generic Integration Reference Point (IRP) management; Requirements					**4.1.0**	**5.1.0**

32.312	Telecommunication management; Generic Integration Reference Point (IRP) management; Information Service (IS)					4.1.0	5.1.0
32.313	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Object Request Broker Architecture (CORBA) Solution Set (SS)						
32.314	Telecommunication management; Generic Integration Reference Point (IRP) management; Common Management Information Protocol (CMIP) Solution Set (SS)						
32.321	Telecommunication management; Test management Integration Reference Point (IRP): Requirements						5.0.1
32.322	Telecommunication management; Test management Integration Reference Point (IRP): Information Service (IS)						5.1.0
32.323	Telecommunication management; Test management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						5.1.0
32.324	Telecommunication management; Test management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						5.1.0
32.331	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Requirements						
32.332	Telecommunication management; Notification Log (NL) (NL) Integration Reference Point (IRP): Information Service (IS)						
32.334	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.335	Telecommunication management; Notification Log (NL) Integration Reference Point (IRP): eXtensible Markup Language (XML) definitions						
32.341	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Requirements						
32.342	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Information Service (IS)						
32.343	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						
32.344	Telecommunication management; File Transfer (FT) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						
32.350	Telecommunication management; Communication Surveillance (CS) requirements *spec withdrawn*						
32.351	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Requirements						
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
32.352	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Information Service (IS)						
32.353	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						
32.354	Telecommunication management; Communication Surveillance (CS) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						
32.361	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Requirements						

[32.362](#)	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Information Service (IS)							
[32.363](#)	Telecommunication management; Entry Point (EP) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)							
[32.371](#)	Telecommunication management; Security Management concept and requirements							
[32.401](#)	Telecommunication management; Performance Management (PM); Concept and requirements						4.5.0	5.4.0
[32.402](#)	Telecommunication management; Performance Management (PM); Performance measurements - GSM *spec withdrawn*						2.0.0	
[32.403](#)	Telecommunication management; Performance Management (PM); Performance measurements - UMTS and combined UMTS/GSM						4.9.0	5.9.0
[32.411](#)	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Requirements							
[32.412](#)	Telecommunication management; Performance Management (PM) Integration Reference 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)							
[32.414](#)	Telecommunication management; Performance Management (PM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)							
[32.421](#)	Telecommunication management; Subscriber and equipment trace; Trace concepts and requirements							
[32.422](#)	Telecommunication management; Subscriber and equipment trace; Trace control and configuration management							

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.423	Telecommunication management; Subscriber and equipment trace; Trace data definition and management						
32.431	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Requirements						
32.432	Telecommunications management; Performance measurement collection Integration Reference Point (IRP); Information Service (IS)						
32.435	Telecommunications management; Performance measurement: eXtensible Markup Language (XML) file format definition						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.436	Telecommunications management; Performance measurement: Abstract Syntax Notation 1 (ASN.1) file format definition						
32.600	Telecommunication management; Configuration Management (CM); Concept and high-level requirements					4.0.0	5.0.1
32.601	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP); Requirements					4.0.0	5.0.1
32.601-1	Telecommunication management; Configuration Management (CM); Part 1: Basic CM Integration Reference Point (IRP): requirements *spec withdrawn*					2.0.0	
32.601-2	Telecommunication management; Configuration Management (CM); Part 2: Basic CM Integration Reference Point (IRP) information model *spec withdrawn*					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 *spec withdrawn*					2.0.0	

32.601-4	Telecommunication management; Configuration Management (CM); Part 4: Basic CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set *spec withdrawn*						*2.0.0*	
32.602	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP): Information Service (SS)						**4.3.0**	**5.3.0**
32.602-1	Telecommunication management; Configuration Management (CM); CMt: Bulk CM Integration Reference Point (IRP) requirements *spec withdrawn*						*2.0.0*	
32.602-2	Telecommunication management; Configuration Management (CM); CMt: Bulk Configuration Management Integration Reference Point (IRP): Information service *spec withdrawn*						*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 *spec withdrawn*						*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 *spec withdrawn*						*2.0.0*	
32.602-5	Telecommunication management; Configuration Management (CM); CM: Bulk Configuration Management Integration Reference Point (IRP): XML file format definition *spec withdrawn*						*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)						**4.3.1**	**5.3.0**

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.604	Telecommunication management; Configuration Management (CM); Basic CM Integration Reference Point (IRP) Common Management Information Protocol (CMIP) Solution Set (SS)					4.2.0	5.0.0
32.611	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Requirements					4.0.0	5.1.1
32.612	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Information Service (IS)					4.6.0	5.3.1
32.613	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)					4.4.0	5.1.1
32.614	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)					4.3.0	5.0.1
32.615	Telecommunication management; Configuration Management (CM); Bulk CM Integration Reference Point (IRP): eXtensible Markup Language (XML) file format definition					4.5.0	5.5.1
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.620-1	Telecommunication management; Configuration Management (CM); Part 1: Generic network resources Integration Reference Point (IRP): requirements *spec withdrawn*					*2.0.0*	
32.620-2	Telecommunication management; Configuration Management (CM); Part 2: Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM) *spec withdrawn*					*2.0.0*	

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**						*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**						*2.0.0*	
32.621	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP); Requirements						**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**						*2.0.0*	
32.621-2	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM) **spec withdrawn**						*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**						*2.0.0*	
32.621-4	Telecommunication management; Configuration Management (CM); Part 4: Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) solution set **spec withdrawn**						*2.0.0*	

32.622	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Network Resource Model (NRM)						**4.4.0**	**5.5.0**
32.622-1	Telecommunication management; Configuration Management (CM); Part 1: UTRAN network resources Integration Reference Point (IRP): requirements *spec withdrawn*						*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*						*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*						*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*						*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)						**4.3.0**	**5.4.0**
32.623-1	Telecommunication management; Configuration Management (CM); Part 1: GERAN network resources Integration Reference Point (IRP): requirements *spec withdrawn*						*2.0.0*	
32.623-2	Telecommunication management; Configuration Management (CM); Part 2: GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM) *spec withdrawn*						*2.0.0*	

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
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 *spec withdrawn*					*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 *spec withdrawn*					*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)					4.6.0	5.5.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.625	Telecommunication management; Configuration Management (CM); Generic network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition						5.4.0
32.631	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Requirements					4.0.0	5.0.0
32.632	Telecommunication management; Configuration Management (CM); Core Network Resources Integration Reference Point (IRP): Network Resource Model (NRM)					4.4.0	5.6.0
32.633	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)					4.1.0	5.2.0

32.634	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)					4.1.1	5.3.0
32.635	Telecommunication management; Configuration Management (CM); Core network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition						5.4.0
32.641	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP); Requirements					4.0.0	5.0.0
32.642	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)					4.4.0	5.5.0
32.643	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)					4.3.0	5.4.0
32.644	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)					4.3.0	5.6.0
32.645	Telecommunication management; Configuration Management (CM); UTRAN network resources Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition						5.6.0
32.651	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Requirements					4.0.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.652	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Network Resource Model (NRM)					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)					4.2.0	5.3.0
32.654	Telecommunication management; Configuration Management (CM); GERAN network resources Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)					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						5.6.0
32.661	Telecommunication management; Configuration Management (CM); Kernel CM; Requirements						5.1.0
32.662	Telecommunication management; Configuration Management (CM); Kernel CM; Information service (IS)						5.2.0
32.663	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						5.3.0
32.664	Telecommunication management; Configuration Management (CM); Kernel CM Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.671	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Requirements						5.0.0

32.672	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Information Service (IS)						5.0.0
32.673	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						5.2.0
32.674	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						5.2.0
32.675	Telecommunication management; Configuration Management (CM); State Management Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition						
32.681	Telecommunication management; Inventory Management (IM) Integration Reference Point (IRP): Requirements						
32.690	Telecommunication management; Inventory Management (IM): Requirements						
32.691	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Requirements						5.0.1
32.692	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Network Resource Model (NRM)						5.0.1
32.695	Telecommunication management; Inventory Management (IM) network resources Integration Reference Point (IRP): Bulk Configuration Management (CM) eXtensible Markup Language (XML) file format definition						

32.711	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Requirements						
32.712	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)						
32.713	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						
32.714	Telecommunication management; Configuration Management (CM); Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						
32.715	Telecommunication management; Configuration Management (CM) Transport Network (TN) Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition						
32.741	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Requirements						
32.742	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.743	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Object Request Broker Architecture (CORBA) Solution Set (SS)						
32.744	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Common Management Information Protocol (CMIP) Solution Set (SS)						
32.745	Telecommunication management; Configuration Management (CM); Signalling Transport Network (STN) interface Network Resource Model (NRM) Integration Reference Point (IRP): Bulk CM eXtensible Markup Language (XML) file format definition						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
32.800	Telecommunication management; Management level procedures and interaction with UTRAN					4.0.0	5.0.0
32.802	Telecommunication management; User Equipment Management (UEM) feasibility study						5.1.0
32.803	Telecommunication management; Process guide; Use cases in Unified Modelling Language (UML)						
32.804	Telecommunication management; Control of Remote Electrical Tilting (RET) antennas; Requirements						
32.805	Telecommunication management; Process guide; Backward compatibility recommendations						
32.815	Telecommunication management; Charging management; Online Charging System (OCS) architecture study						
33.102	3G security; Security architecture				3.13.0	4.5.0	5.5.0
33.103	3G security; Integration guidelines				3.7.0	4.2.0	
33.105	Cryptographic algorithm requirements				3.8.0	4.2.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
33.106	Lawful interception requirements				3.1.0	4.0.0	5.1.0
33.107	3G security; Lawful interception architecture and functions				3.5.0	4.3.0	5.6.0
33.108	3G security; Handover interface for Lawful Interception (LI)						5.9.1
33.109	Bootstrapping of application security using AKA and support for subscriber certificates; System description *spec withdrawn*						
33.120	Security Objectives and Principles				3.0.0	4.0.0	
33.141	Presence service; Security						
33.200	3G Security; Network Domain Security (NDS); Mobile Application Part (MAP) application layer security					4.3.0	5.1.0
33.203	3G security; Access security for IP-based services						5.9.0
33.20U	Security principles for the UMTS *spec withdrawn*						
33.210	3G security; Network Domain Security (NDS); IP network layer security						5.5.0
33.21U	Security requirements *spec withdrawn*						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
33.220	Generic Authentication Architecture (GAA); Generic bootstrapping architecture						
33.221	Generic Authentication Architecture (GAA); Support for subscriber certificates						
33.222	Generic Authentication Architecture (GAA); Access to network application functions using Hypertext Transfer Protocol over Transport Layer Security (HTTPS)						
33.234	3G security; Wireless Local Area Network (WLAN) interworking security						
33.246	3G Security; Security of Multimedia Broadcast/Multicast Service (MBMS)						
33.310	Network domain security; Authentication framework (NDS/AF)						
33.800	Principles for Network Domain Security *spec withdrawn*					0.3.5	

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
33.810	3G Security; Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution						
33.817	Feasibility study on (Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces						
33.878	Security aspects of early IMS *spec withdrawn*						
33.900	Guide to 3G security				*1.2.0*		0.4.1
33.901	Criteria for cryptographic Algorithm design process				3.0.0	4.0.0	
33.902	Formal Analysis of the 3G Authentication Protocol				3.1.0	4.0.0	
33.904	Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms *spec withdrawn*					*2.0.0*	
33.908	3G Security; General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms				3.0.0	4.0.0	
33.909	3G Security; Report on the design and evaluation of the MILENAGE algorithm set; Deliverable 5: An example algorithm for the 3GPP authentication and key generation functions				*3.0.0*	4.0.1	
33.917	(Universal) Subscriber Interface Module (U)SIM security reuse by peripheral devices on local interfaces *spec withdrawn*						
33.919	Generic Authentication Architecture (GAA); System description						
33.941	Presence service; Security						
34.01U	Application integration and application programming interfaces *spec withdrawn*						
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
34.108	Common test environments for User Equipment (UE) conformance testing				3.16.0	4.11.0	5.3.0
34.109	Terminal logical test interface; Special conformance testing functions				3.10.0	4.6.0	5.4.0
34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)				3.14.0	4.1.0	5.6.0

34.122	Terminal conformance specification, Radio transmission and reception (TDD)				3.12.0	4.10.0	5.0.0
34.123-1	User Equipment (UE) conformance specification; Part 1: Protocol conformance specification				3.5.0	4.3.0	5.10.0
34.123-2	User Equipment (UE) conformance specification; Part 2: Implementation conformance statement (ICS) specification				3.5.0	4.3.0	5.10.0
34.123-3	User Equipment (UE) conformance specification; Part 3: Abstract test suites (ATSs)				3.8.0		
34.124	Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment				3.4.0	4.2.0	5.4.0
34.131	Test Specification for C-language binding to (Universal) Subscriber Interface Module ((U)SIM) Application Programming Interface (API)						
34.171	Terminal conformance specification; Assisted Global Positioning System (A-GPS); Frequency Division Duplex (FDD)						
34.901	Test Time Optimisation based on statistical approaches; Statistical theory applied and evaluation of statistical significance				3.0.0		
34.902	Derivation of test tolerances for multi-cell Radio Resource Model (RRM) conformance tests						5.0.0
34.907	Report on electrical safety requirements and regulations				3.0.0		
34.910	Identification of test requirements for regulatory purposes in different regions/countries					1.0.0	
34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions				3.0.0		
34.926	Electromagnetic compatibility (EMC); Table of international requirements for mobile terminals and ancillary equipment					4.0.0	5.1.0
35.10U	UMTS Terminal aspects;Man Machine Interface (MMI) *spec withdrawn*						

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications				3.2.0	4.1.0	5.0.0
35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification				3.1.2	4.0.0	5.0.0
35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data				3.1.2	4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data				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				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				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				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*; Document 4: Design conformance test data				3.0.0	4.0.0	5.0.0
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*				3.0.0		

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
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					4.0.0	5.0.0
41.001	GSM Specification set **spec withdrawn**					*1.0.0*	
41.031	Fraud Information Gathering System (FIGS); Service requirements; Stage 0					4.0.1	5.0.0
41.033	Lawful Interception requirements for GSM					4.0.1	5.0.0
41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements					4.0.0	
41.101	Technical Specifications and Technical Reports for a GERAN based 3GPP system					4.13.0	5.9.0
41.102	GSM Release 4 specifications **spec withdrawn**					*4.9.0*	
41.103	GSM Release 5 specifications **spec withdrawn**						*5.4.0*
42.009	Security aspects					4.0.0	
42.017	Subscriber Identity Module (SIM); Functional characteristics					4.0.0	
42.019	Subscriber Identity Module Application Programming Interface (SIM API); Stage 1					4.0.0	5.0.0
42.031	Fraud Information Gathering System (FIGS); Service description; Stage 1 **spec withdrawn**					*4.0.0*	*5.0.0*
42.032	Immediate Service Termination (IST); Service description; Stage 1 **spec withdrawn**					*4.0.0*	
42.033	Lawful Interception; Stage 1					4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
42.043	Support of Localised Service Area (SoLSA); Service description; Stage 1					4.0.0	5.0.0
42.048	Security mechanisms for the SIM Application Toolkit; Stage 1 **spec withdrawn**					*4.0.0*	
42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1					4.0.0	5.0.0
42.068	Voice Group Call Service (VGCS); Stage 1					4.1.0	5.0.1
42.069	Voice Broadcast Service (VBS); Stage 1					4.1.0	5.0.1
43.005	Technical performance objectives					4.0.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
43.010	GSM Public Land Mobile Network (PLMN) connection types					4.2.0	5.2.0
43.013	Discontinuous Reception (DRX) in the GSM system					4.0.0	5.0.0
43.019	Subscriber Identity Module Application Programming Interface (SIM API) for Java Card; Stage 2					4.3.0	5.6.0
43.020	Security-related network functions					4.0.0	5.0.0
43.022	Functions related to Mobile Station (MS) in idle mode and group receive mode					4.5.0	5.1.0
43.026	Multiband operation of GSM / DCS 1800 by a single operator					4.0.1	5.0.1
43.030	Radio network planning aspects					4.0.1	5.1.0
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2 *spec withdrawn*					*4.0.0*	*5.0.0*
43.033	3G security; Lawful Interception; Stage 2					4.0.0	5.0.0
43.035	Immediate Service Termination (IST); Stage 2 *spec withdrawn*					*4.1.0*	
43.045	Technical Realization of Facsimile Group 3 Service - transparent					4.0.0	5.0.0
43.046	Technical Realization of Facsimile Group 3 Service - non transparent *spec withdrawn*					*4.0.0*	
43.048	Security Mechanisms for SIM Toolkit Application; Stage 2 *spec withdrawn*					*4.0.0*	
43.050	Transmission planning aspects of the speech service in the GSM Public Land Mobile Network (PLMN) system					4.0.0	5.0.0
Spec no.	**Title**	**R96**	**R97**	**R98**	**R99**	**Rel-4**	**Rel-5**
43.051	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2					*4.0.0*	5.10.0
43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2					4.0.0	5.0.0
43.055	Dual Transfer Mode (DTM); Stage 2					4.6.0	5.5.0
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)					4.0.0	5.0.0
43.059	Functional stage 2 description of Location Services (LCS) in GERAN					4.6.0	5.4.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 2 *spec withdrawn*					*4.0.0*	
43.064	General Packet Radio Service (GPRS); Overall description of the GPRS radio interface; Stage 2					**4.5.0**	**5.3.0**
43.068	Voice Group Call Service (VGCS); Stage 2					**4.4.0**	**5.4.0**
43.069	Voice Broadcast service (VBS); Stage 2					**4.4.0**	**5.4.0**
43.071	Location Services (LCS); Functional description; Stage 2 (GSM) *spec withdrawn*					*4.0.0*	
43.073	Support of Localised Service Area (SoLSA); Stage 2					**4.0.0**	**5.0.0**
43.129	Packed-switched handover for GERAN A/Gb mode; Stage 2						
43.130	Iur-g interface; Stage 2						**5.0.0**
43.246	Multimedia Broadcast/Multicast Service (MBMS) in the GERAN; Stage 2						
43.318	Generic access to the A/Gb interface; Stage 2						
43.900	Support for voice optimization for the IMS in the GERAN *spec withdrawn*						*1.0.0*
43.901	Feasibility Study on generic access to A/Gb interface						
43.930	Iur-g interface; Stage 2 *spec withdrawn*						*5.1.0*
43.935	Feasibility study of enhanced support for video telephony service over GERAN via the A interface						
44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles					**4.1.0**	**5.0.0**
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities					**4.0.0**	**5.0.1**
44.004	Layer 1 - General Requirements					**4.2.0**	**5.3.0**
44.005	Data Link (DL) Layer General Aspects					**4.0.0**	**5.0.1**
44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification					**4.1.1**	**5.0.1**
44.008	Mobile radio interface layer 3 specification *spec withdrawn*					*4.0.0*	

44.012	Short Message Service Cell Broadcast (SMSCB) support on the mobile radio interface					4.0.1	5.0.1
44.013	Performance Requirements on Mobile Radio Interface					4.1.0	5.0.0
44.014	Individual equipment type requirements and interworking; Special conformance testing functions					4.4.0	5.3.0
44.018	Mobile radio interface layer 3 specification; Radio Resource Control (RRC) protocol					4.20.0	5.19.0
44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface					4.1.0	5.2.0
44.031	Location Services (LCS); Mobile Station (MS) - Serving Mobile Location Centre (SMLC) Radio Resource LCS Protocol (RRLP)					4.13.0	5.12.0
44.035	Location Services (LCS); Broadcast network assistance for Enhanced Observed Time Difference (E-OTD) and Global Positioning System (GPS) positioning methods					4.1.0	5.0.1
44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification					4.0.0	5.0.0
44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification					4.0.0	5.0.0
44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control / Medium Access Control (RLC/MAC) protocol					4.20.0	5.15.0
44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3 *spec withdrawn*					*4.0.0*	
44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification					4.3.0	5.1.0
44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)					4.3.0	5.2.0
44.068	Group Call Control (GCC) Protocol					4.3.0	5.0.1
44.069	Broadcast Call Control (BCC) protocol					4.3.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
44.071	Location Services (LCS); Mobile radio interface layer 3 LCS specification					4.3.0	5.0.1
44.118	Mobile radio interface layer 3 specification, Radio Resource Control (RRC) protocol; Iu mode						5.10.0
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 Iu mode						5.8.0
44.901	External Network Assisted Cell Change (NACC)						5.1.0
44.933	Seamless support of streaming services in GERAN A/Gb mode						
45.001	Physical layer on the radio path; General description					4.4.0	5.8.0
45.002	Multiplexing and multiple access on the radio path					4.8.0	5.13.0
45.003	Channel coding					4.4.0	5.12.0
45.004	Modulation					4.2.0	5.1.1
45.005	Radio transmission and reception					4.15.0	5.11.0
45.008	Radio subsystem link control					4.16.0	5.18.0
45.009	Link adaptation					4.2.0	5.5.0
45.010	Radio subsystem synchronization					4.5.0	5.3.0
45.015	Release independent Downlink Advanced Receiver Performance (DARP); Implementation guidelines					4.0.0	5.0.0
45.022	Radio link management in hierarchical networks					4.0.0	5.0.0
45.050	Background for RF Requirements					4.0.1	5.0.1
45.056	CTS-FP Radio Sub-system					4.0.0	5.0.0
45.811	Uplink - Time Difference Of Arrival (U-TDOA) in GSM and GPRS						
45.902	Flexible Layer One (FLO)						
45.903	Feasibility study on Single Antenna Interference Cancellation (SAIC) for GSM networks						
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
46.001	Full rate speech; Processing functions					4.0.0	5.0.0
46.002	Half rate speech; Half rate speech processing functions					4.0.0	5.0.0
46.006	Half-rate speech: ANSI-C code for GSM half-rate speech codec					4.0.0	5.0.0
46.007	Half rate speech; Test sequences for the GSM half rate speech codec					4.0.0	5.0.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
46.008	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec					4.0.0	5.0.0
46.010	Full-rate speech; Transcoding					4.1.0	5.0.0
46.011	Full rate speech; Substitution and muting of lost frames for full rate speech channels					4.0.0	5.0.0
46.012	Full rate speech; Comfort noise aspect for full rate speech traffic channels					4.1.0	5.0.0
46.020	Half rate speech; Half rate speech transcoding					4.0.0	5.0.0
46.021	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels					4.0.0	5.0.0
46.022	Half rate speech; Comfort noise aspects for the half rate speech traffic channels					4.0.0	5.0.0
46.031	Full rate speech; Discontinuous Transmission (DTX) for full rate speech traffic channels					4.0.0	5.0.0
46.032	Full rate speech; Voice Activity Detector (VAD) for full rate speech traffic channels					4.0.0	5.0.0
46.041	Half rate speech; Discontinuous Transmission (DTX) for half rate speech traffic channels					4.0.0	5.0.0
46.042	Half rate speech; Voice Activity Detector (VAD) for half rate speech traffic channels					4.0.0	5.0.0
46.051	Enhanced Full Rate (EFR) speech processing functions; General description					4.0.0	5.0.0
46.053	ANSI-C code for the GSM Enhanced Full Rate (EFR) speech codec					4.0.0	5.0.0
46.054	Test sequences for the GSM Enhanced Full Rate (EFR) speech codec					4.0.0	5.0.0
46.055	Performance characterization of the GSM Enhanced Full Rate (EFR) speech codec					4.0.0	5.0.0
46.060	Enhanced Full Rate (EFR) speech transcoding					4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
46.061	Substitution and muting of lost frames for Enhanced Full Rate (EFR) speech traffic channels					4.0.0	5.0.0
46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels					4.0.0	5.0.0

46.076	Adaptive Multi-Rate (AMR) speech codec; Study phase report					4.0.1	5.0.0
46.081	Discontinuous Transmission (DTX) for Enhanced Full Rate (EFR) speech traffic channels					4.0.0	5.0.0
46.082	Voice Activity Detector (VAD) for Enhanced Full Rate (EFR) speech traffic channels					4.0.0	5.0.0
46.085	Subjective tests on the interoperability of the Half Rate / Full Rate / Enhanced Full Rate (HR/FR/EFR) speech codecs, single, tandem and tandem free operation					4.0.0	5.0.0
48.001	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; General aspects					4.0.0	5.0.1
48.002	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Interface principles					4.2.0	5.1.0
48.004	Base Station System - Mobile-services Switching Centre (BSS - MSC) interface; Layer 1 specification					4.0.0	5.0.1
48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface					4.0.0	5.0.1
48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification					4.10.0	5.12.0
48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb interface Layer 1					4.0.0	5.0.1
48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service					4.4.0	5.4.0
48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol					4.7.0	5.11.0
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface					4.1.0	5.2.0

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
48.031	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification					4.1.0	5.0.0
48.051	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; General aspects					4.1.0	5.0.1
48.052	Base Station Controller - Base Transceiver Station (BSC-BTS) interface; Interface principles					4.0.1	5.0.1
48.054	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 1 structure of physical circuits					4.0.0	5.0.1
48.056	Base Station Controller - Base Transceiver Station (BSC - BTS) interface; Layer 2 specification					4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
48.058	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification					4.1.0	5.6.0
48.060	In-band control of remote transcoders and rate adaptors for full rate traffic channels					4.1.0	5.2.0
48.061	In-band control of remote transcoders and rate adaptors for half rate traffic channels					4.1.1	5.0.0
48.071	Location Services (LCS); Serving Mobile Location Centre Base Station System (SMLC-BSS) interface; Layer 3 specification					4.4.0	5.1.0
49.001	General network interworking scenarios					4.0.2	5.0.1
49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface					4.1.0	5.1.0
49.031	Location Services (LCS); Base Station System Application Part LCS Extension (BSSAP-LE)					4.4.0	5.4.0
50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1 *spec withdrawn*					*4.0.0*	
50.059	Enhanced Data rates for GSM Evolution (EDGE); Project scheduling and open issues for EDGE					4.0.1	
50.099	GERAN project plan and open issues					*0.23.0*	*0.1.6*

Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
51.010-1	Mobile Station (MS) conformance specification; Part 1: Conformance specification					4.10.0	5.11.0
51.010-2	Mobile Station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification					4.7.0	5.11.0
51.010-3	Mobile Station (MS) conformance specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)					4.8.0	5.4.0
51.010-4	Mobile Station (MS) conformance specification; Part 4: SIM Application Toolkit conformance specification					0.0.1	
51.010-5	Mobile Station (MS) conformance specification; Part 5: Inter-Radio-Access-Technology (RAT) (GERAN / UTRAN) interaction Abstract Test Suite (ATS)						2.0.0
51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) interface					4.13.0	5.0.0
51.013	Test specification for Subscriber Identity Module (SIM) Application Programming Interface (API) for Java Card					4.2.0	5.2.0
51.014	Specification of the SIM Application Toolkit for the Subscriber Identity Module - Mobile Equipment (SIM - ME) interface					4.5.0	
51.021	Base Station System (BSS) equipment specification; Radio aspects					4.4.0	5.3.0
51.026	GSM Repeater Equipment Specification					4.0.0	5.0.0
Spec no.	Title	R96	R97	R98	R99	Rel-4	Rel-5
52.008	Telecommunication management; GSM subscriber and equipment trace						
52.021	Network Management (NM) Procedures and messages on the A-bis interface					4.0.0	5.0.0
52.071	Location Services (LCS); Location services (LCS) management *spec withdrawn*					4.1.0	
52.402	Telecommunication management; Performance Management (PM); Performance measurements - GSM					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						
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						
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						
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						
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						
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						

Rel-6	Rel-7

Rel-6	Rel-7
Rel-6	Rel-7

Rel-6	**Rel-7**

Rel-6	**Rel-7**

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Rel-6	**Rel-7**

Rel-6	**Rel-7**

Rel-6	**Rel-7**

Rel-6	Rel-7

Rel-6	Rel-7

Rel-6	**Rel-7**

Rel-6	Rel-7
6.0.0	
6.1.0	
6.0.0	
0.7.0	
6.4.0	Y
6.0.0	
6.7.0	
6.0.0	
6.0.0	
6.0.0	
6.0.0	
Rel-6	Rel-7
6.4.0	Y
6.0.0	

6.0.0	
6.0.0	
6.0.1	Y
6.0.0	
6.0.0	
6.0.0	
6.3.0	Y
6.2.0	
6.0.0	
6.0.0	
6.0.0	
6.0.0	
6.1.0	
6.1.0	
Rel-6	Rel-7
6.7.0	Y
6.0.0	
6.0.0	

6.6.0	Y
6.0.0	
6.0.0	
6.0.0	
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6.0.0	
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6.0.0	
6.0.0	
Rel-6	**Rel-7**
6.8.0	Y
6.2.0	
6.0.0	
6.4.0	

6.7.0	
6.1.0	
6.0.0	
6.6.0	
6.3.0	
6.6.0	
6.2.0	
6.0.0	
6.7.0	Y
6.3.0	
6.2.0	Y
6.5.0	
6.3.0	
6.4.0	
Rel-6	**Rel-7**
6.2.0	
6.0.0	
6.1.0	

6.0.0	
6.0.0	
6.2.0	
	Y
6.0.0	
6.0.0	
Rel-6	**Rel-7**
6.0.0	
6.4.0	
6.1.0	
6.2.0	
	Y

2.0.0	
6.0.0	
	Y
	Y
6.6.0	
6.5.0	
6.1.0	
6.4.0	
Rel-6	**Rel-7**
6.0.0	
6.0.0	
6.2.0	
6.0.0	
6.0.0	
6.1.0	
6.3.0	
6.0.0	
6.0.0	
6.0.0	
6.0.0	
6.1.0	

Rel-6	Rel-7
6.5.0	
6.2.0	
6.0.0	
6.0.0	
6.2.0	
6.7.0	
6.0.0	
6.0.0	
6.0.0	
6.4.1	

Rel-6	Rel-7
6.0.0	
6.0.0	
6.0.0	
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6.0.0	
6.2.0	
6.0.0	
6.0.0	
6.0.0	
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Rel-6	Rel-7
6.3.0	Y

Rel-6	Rel-7
6.3.0	
6.1.0	
6.0.0	
6.8.0	
6.7.0	
6.0.0	
6.0.0	
6.1.0	
1.0.0	
6.0.0	
6.0.0	
6.4.0	
6.2.0	
6.3.0	
6.0.0	
6.8.0	

Rel-6	Rel-7

6.3.0	
6.0.0	
6.6.0	
6.1.0	
6.5.0	
6.2.0	
6.10.0	
6.0.0	
	Y
1.0.0	
	Y
	Y
	Y
1.4.0	
1.0.0	
6.0.0	

Rel-6	Rel-7
6.1.0	
Rel-6	**Rel-7**
6.1.0	
0.6.0	
0.8.0	
0.5.0	
6.0.0	
1.0.0	
6.2.0	
1.2.0	Y
1.1.0	
6.0.0	
Rel-6	**Rel-7**

Rel-6	Rel-7
1.2.0	
1.0.0	
6.0.0	
0.3.1	
6.1.0	
6.1.0	
6.0.0	
6.2.0	

6.0.0	
6.3.0	
6.7.0	
6.0.0	
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6.2.0	
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6.2.0	
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Rel-6	Rel-7
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6.1.0	
6.0.0	
6.2.0	
6.1.0	
1.1.0	
6.5.1	
6.1.1	
0.5.0	

6.0.1	
	Y
6.0.0	
6.6.0	
Rel-6	**Rel-7**
6.0.0	
6.8.0	
6.2.0	
6.2.0	
6.1.0	
6.3.0	
6.8.0	
6.8.0	
6.2.0	
6.2.0	
6.1.0	
6.1.0	
6.3.0	
6.3.0	
6.1.0	

6.4.0	
6.1.0	
6.2.0	
Rel-6	**Rel-7**
6.2.0	
6.0.0	
6.3.0	
6.1.0	
6.1.0	
6.2.0	
6.2.0	
6.4.0	
6.1.0	
6.3.0	
6.1.0	
6.3.0	
6.1.0	
6.3.0	
6.2.0	
6.0.0	
6.2.0	
6.4.0	
6.3.0	
6.5.0	
Rel-6	**Rel-7**
6.1.0	

6.2.0	
6.1.0	
6.1.0	
6.4.1	
6.2.0	
6.1.0	
6.2.0	
6.2.0	
6.0.0	
6.0.0	
6.4.1	
6.1.0	
6.1.0	
6.3.0	
6.1.0	
6.3.0	
6.0.0	
6.0.0	
6.4.0	
Rel-6	**Rel-7**
6.1.0	
6.1.0	
6.0.0	
6.0.0	

6.0.0	
6.0.0	
6.7.0	
6.1.0	
6.1.0	
6.1.0	
6.1.0	
6.0.0	
6.0.0	
1.4.1	
2.0.0	
0.3.0	
6.0.0	
6.0.0	
1.0.1	
	Y
Rel-6	**Rel-7**
	Y

Rel-6	**Rel-7**
0.0.0	
1.2.0	

1.0.0	
1.2.0	
1.5.1	Y
Rel-6	**Rel-7**
6.0.0	
6.0.0	
6.0.0	
0.3.0	

6.0.0	
6.0.0	
6.0.0	
0.3.1	
0.1.0	
6.1.0	
6.1.0	
0.0.1	
	Y
6.0.0	
6.0.1	
Rel-6	**Rel-7**
6.0.0	

6.3.0	
6.0.0	
Rel-6	**Rel-7**
6.2.0	
6.0.0	
6.0.0	
6.8.0	
6.1.0	

0.0.1	
6.0.0	
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Rel-6	**Rel-7**
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6.1.0	
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Rel-6	**Rel-7**
6.0.0	
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6.0.2	
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6.2.0	
6.3.0	
6.1.0	
6.1.0	
6.2.0	
6.1.0	
6.0.0	

Rel-6	Rel-7
2.0.0	
6.1.0	
6.1.0	
1.9.0	
6.1.0	
6.0.0	
6.0.0	
6.0.0	
6.0.0	
6.1.1	
0.0.1	
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Rel-6	Rel-7
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6.0.0	
6.0.0	
0.0.2	
6.0.0	
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6.0.1	
6.7.0	
6.0.0	
6.0.0	
6.1.0	
6.8.0	
Rel-6	**Rel-7**
6.0.0	

6.4.0	
6.0.0	
6.0.0	
6.0.0	
6.1.0	
6.7.0	
6.3.1	
6.4.0	
6.1.0	
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6.0.0	
6.0.0	
6.5.0	
6.3.1	
6.3.1	
Rel-6	**Rel-7**
6.3.1	
6.4.1	
6.3.1	
6.4.1	

6.4.1	
6.3.1	
6.4.1	
6.3.1	
6.3.1	
6.3.1	
6.3.1	
6.2.2	
6.2.2	
6.1.1	

1.0.1	
6.0.0	
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6.1.0	
Rel-6	**Rel-7**
6.1.0	
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6.2.0	
6.2.1	
6.1.0	
6.0.0	
2.0.1	
6.5.0	
6.3.0	
6.2.0	
Rel-6	**Rel-7**
6.0.0	
6.1.0	
1.0.0	
6.0.0	
6.4.0	
6.3.0	
6.0.0	
6.0.0	
6.0.1	
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6.1.0	
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6.0.4	
6.0.0	
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Rel-6	**Rel-7**

6.0.0	
6.0.0	
0.11.0	

Rel-6	Rel-7
6.0.0	
6.4.1	
6.8.0	
6.6.0	
6.4.0	
6.0.0	
6.3.0	
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6.4.0	
6.6.0	
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6.1.0	
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Rel-6	**Rel-7**
6.1.0	
6.1.0	
6.3.0	

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Rel-6	**Rel-7**

6.3.0	
6.1.0	
6.3.0	
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6.3.0	
6.1.0	
6.2.0	
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Rel-6	**Rel-7**
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6.1.0	
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Rel-6	Rel-7
6.2.0	
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Rel-6	**Rel-7**
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6.1.0	
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6.2.0	
6.1.0	
6.4.1	
6.6.0	
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6.3.0	
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6.5.0	
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1.0.0	**Y**
6.0.0	
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Rel-6	**Rel-7**
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6.1.1	

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6.2.0	

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6.1.1	
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Rel-6	**Rel-7**

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6.3.0	
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Rel-6	**Rel-7**
6.3.0	
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6.1.0	
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6.1.0	
6.6.1	
6.3.0	
6.3.0	
6.2.0	
Rel-6	**Rel-7**
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6.1.0	
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6.0.1	
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Rel-6	Rel-7
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6.0.0	
	Y
6.0.0	
6.3.0	
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6.1.0	
6.4.0	
6.8.2	
0.3.0	
6.1.0	
6.0.0	
6.5.0	
6.5.0	
Rel-6	**Rel-7**
6.3.0	
6.2.0	
6.2.0	
6.3.0	
6.1.0	
6.2.0	

6.0.0	
6.1.0	
1.0.0	
0.7.3	
6.1.0	
0.6.0	
Rel-6	**Rel-7**
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6.0.0	
6.0.1	
1.0.0	
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Rel-6	**Rel-7**
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Rel-6	**Rel-7**
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6.0.0	**Y**
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6.1.0	
6.2.0	
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Rel-6	**Rel-7**
6.0.0	
6.0.0	
6.8.0	
6.0.0	
6.4.0	

6.5.0	
6.3.0	
6.1.0	
6.0.0	
6.1.0	
6.0.0	
6.2.0	
	Y
6.0.0	
	Y
6.0.0	
Rel-6	**Rel-7**
6.1.0	
6.0.0	
6.0.0	
6.0.0	

6.0.0	
6.0.0	
6.1.0	
6.11.0	
6.0.0	
6.7.0	
6.0.0	
6.0.0	
6.0.0	
6.11.1	
6.0.1	
6.3.0	
6.0.0	
6.0.0	

Rel-6	Rel-7
6.0.0	
6.3.0	
6.5.0	
6.0.0	
1.3.0	
6.5.0	
6.8.0	
6.7.0	
6.0.0	
6.8.0	
6.11.0	
6.1.0	
6.4.0	
6.0.0	
6.0.0	
6.2.0	
6.0.0	
6.0.0	
6.8.0	
6.0.1	

Rel-6	Rel-7
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Rel-6	Rel-7
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6.2.0	
6.7.0	
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Rel-6	**Rel-7**
6.1.0	
6.0.0	
6.0.0	
6.7.0	
6.0.1	
6.0.0	
6.4.0	
0.43.0	

6.1.0	
6.1.0	
6.1.0	
6.1.0	
6.2.0	
6.0.0	
Rel-6	**Rel-7**
6.0.0	
6.0.0	
6.0.0	

6.1.0	
6.2.0	
6.1.0	
6.1.0	
1.0.0	**Y**
6.1.0	