Technical Specification Group Core Network *TSGN#12(01)0341*
Meeting #12, Stockholm, 13 - 15 June 2001

Technical Specification Group Radio Access Network *TSGR#12(01)0449*
Meeting #12, Stockholm, 12 - 15 June 2001

Technical Specification Group Terminals *TSGT#12(01)0142*
Meeting #12, Stockholm, 13 - 15 June2001

Technical Specification Group Services and System Aspects *TSGS#12(01)0280*
Meeting #12, Stockholm, 18 - 21 June 2001

Source: **MCC**
mailto:john.meredith@etsi.fr

Title: **Spec numbers and titles**

Document for:
CN: information
RAN: information
T: information
SA: information

Agenda Item:
CN: 11
RAN: 12
T: 6
SA: 8.9

The table below shows all known specifications pertaining to GSM / UMTS, past and present. They are ordered by a nominal index which disregards mapping of, say, the 02.-series to 22.-series for UMTS, and to 42.-series for GSM Release 4 onwards.

The "progenitor" column seeks to provide a clue to the origins of specs of the UMTS and of the GSM Release-4 series, but should be taken as a guide only. (The progenitor column entry is automatically calculated from the spec number, and does not guarantee that the supposed progenitor actually exists or ever did so!)

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 A "w" indicates that the Release version did at one time exist, or was anticipated, but that it has been withdrawn.

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
00.02	**00.02**		Voice group call service study (UIC project)									Yes
01.00	**01.00**		Working Procedures for SMG			Y		Y	Y			No
01.00	**21.100**	01.00	3G specification handling procedures						w			Yes
01.00	**21.900**		Technical Specification Group working methods						Y	Y		No
01.01	**01.01**		GSM Release 1999 Specifications						Y			No
01.01	**21.101**	01.01	3rd Generation mobile system Release 1999 Specifications						Y			No
01.01	**21.801**		3GPP drafting rules							Y		No
01.01	**41.001**	01.01	GSM Specification set							w		Yes
01.02	**01.02**		General Description of a GSM Public Land Mobile Network (PLMN)		Y	Y	Y					No
01.02	**21.102**	01.02	3rd Generation mobile system Release 4 specifications							Y		No
01.02	**41.102**	01.02	GSM Release 4 specifications							Y		No
01.03	**21.103**		3rd Generation mobile system Release 5 specifications								Y	No
01.03	**41.103**		GSM Release 5 specifications								Y	No
01.04	**01.04**		Abbreviations and Acronyms	Y	Y	Y	Y	Y	Y			No
01.04	**21.904**		UE Capability Requirements (UCR)						Y			No
01.05	**01.05**		Definitions		w							Yes
01.05	**21.905**		3G Vocabulary						Y	Y		No
01.06	**01.06**		Service implementation phases and possible further phases in the GSM PLMN		w							Yes
01.06	**21.906**		reserved						w			No
01.07	**01.07**		Updating procedure for GSM Recommendations		w							Yes
01.10	**21.010**		reserved						w			Yes
01.10	**21.810**		Report on multi-mode UE issues; ongoing work and identified additional work						Y			No
01.10	**21.910**		Multi-mode UE issues; categories, principles and procedures						Y			No
01.11	**21.111**		USIM and IC card requirements						Y	Y		No
01.31	**01.31**		Fraud Information Gathering System (FIGS); Service requirements; Stage 0			w		Y	Y			No
01.31	**41.031**	01.31	Fraud Information Gathering System (FIGS); Service requirements; Stage 0							Y		No
01.33	**01.33**		Lawful Interception requirements for GSM					Y	Y			No
01.33	**21.133**	01.33	Security Threats and Requirements						Y	Y		No
01.33	**41.033**	01.33	Lawful Interception requirements for GSM							Y		No
01.48	**01.48**		ISDN-based DECT/GSM interworking; Feasibility study			Y	Y					No
01.50	**01.50**		Radio Local Loop (RLL) using GSM			w						Yes
01.51	**01.51**		Dual mode of operation and roaming			w						Yes
01.56	**01.56**		GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements					Y	w			No
01.60	**01.60**		GPRS requirements				Y					No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
01.61	**01.61**		General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements			w	Y	Y	Y			No
01.61	**41.061**	01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements							Y		No
01.78	**01.78**		Customized Applications for Mobile networks using Enhanced Logic (CAMEL); Stage 0			w						Yes
01.78	**21.978**		Feasibility Technical Report – CAMEL Control of VoIP Services						Y			No
02.00	**22.100**		UMTS Phase 1						Y			No
02.01	**02.01**		Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	Y	Y	Y	Y	Y	w			No
02.01	**22.001**	02.01	Principles of circuit telecommunication services supported by a Public Land Mobile Network (PLMN)						Y	Y		No
02.01	**22.101**	02.01	UMTS Service principles						Y	Y	Y	No
02.02	**02.02**		Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			No
02.02	**22.002**	02.02	Circuit Bearer Services Supported by a PLMN						Y	Y		No
02.03	**02.03**		Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			No
02.03	**22.003**	02.03	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)						Y	Y		No
02.04	**02.04**		General on Supplementary Services	Y	Y	Y	Y	Y	w			No
02.04	**22.004**	02.04	General on Supplementary Services						Y	Y		No
02.05	**02.05**		Simultaneous and Alternate Use of Services									Yes
02.05	**22.105**	02.05	Services & Service capabilities						Y	Y		No
02.06	**02.06**		Types of Mobile Stations (MS)	Y	Y	Y	Y	Y				No
02.07	**02.07**		Mobile Station (MS) Features	Y	Y	Y	Y	Y	w			No
02.07	**22.907**		Terminal concepts						w			Yes
02.08	**02.08**		Quality of service / GSM system performance	Y	w							Yes
02.09	**02.09**		Security Aspects	Y	Y	Y	Y	Y	Y			No
02.09	**42.009**	02.09	Security Aspects							Y		No
02.10	**02.10**		Provision of Telecommunication Services	w								Yes
02.11	**02.11**		Service Accessibility	Y	Y	Y	Y	Y				No
02.11	**22.011**	02.11	Service accessibility						Y	Y		No
02.12	**02.12**		Licensing	w								Yes
02.12	**22.112**	02.12	USIM toolkit interpreter; Stage 1							Y		No
02.13	**02.13**		Subscription to the Services of a GSM PLMN	w								Yes
02.14	**02.14**		Service Directory	w								Yes
02.15	**02.15**		Circulation of mobile stations	w								Yes
02.15	**22.115**	02.15	Service Aspects Charging and billing						Y	Y	Y	No
02.16	**02.16**		International Mobile Station Equipment Identities (IMEI)	Y	Y	Y	Y	Y				No
02.16	**22.016**	02.16	International Mobile Equipment Identities (IMEI)						Y	Y		No
02.17	**02.17**		Subscriber Identity Modules, Functional Characteristics	Y	Y	Y	Y	Y	Y			No
02.17	**42.017**	02.17	Subscriber Identity Modules, Functional Characteristics							Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
02.18	**02.18**		Interworking with non-GSM applications on the SIM to be accessed via the GSM network			w						Yes
02.19	**02.19**		Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1					Y	w			No
02.20	**02.20**		Collection charges	Y								No
02.21	**22.121**		Provision of Services in UMTS - The Virtual Home Environment; Stage 1						Y	Y	Y	No
02.22	**02.22**		Stage 1 for Personalisation of GSM ME			Y	Y	Y				No
02.22	**22.022**	02.22	Personalisation of GSM ME Mobile functionality specification; Stage 1						Y	Y		No
02.24	**02.24**		Description of Charge Advice Information (CAI)		Y	Y	Y	Y				No
02.24	**22.024**	02.24	Description of Charge Advice Information (CAI)						Y	Y		No
02.24	**22.924**		Charging and accounting mechanisms						w			Yes
02.25	**02.25**		GSM - DCS roaming: Requirements and Stage 1 descriptions			w						Yes
02.25	**22.925**		Quality of service and network performance						w			Yes
02.26	**02.26**		Operation of multi-band GSM/DCS 1800 network by a single operator			w						Yes
02.26	**22.226**		Global text telephony; Stage 1: Service description								Y	No
02.27	**02.27**		DECT access to GSM networks			w						Yes
02.27	**22.127**	02.27	Service Requirement for the Open Services Access (OSA); Stage 1							Y		No
02.27	**22.227**		Service requirements for the Open Service Access (OSA)							w		Yes
02.28	**02.28**		UPT phase 1			w						Yes
02.28	**22.228**		IP multimedia subsystem; Stage 1								Y	No
02.28	**22.928**		IP-based multimedia services examples								Y	No
02.29	**02.29**		Inter operation with UPT phase 2			w						Yes
02.29	**22.129**	02.29	Handover Requirements between UMTS and GSM or other Radio Systems						Y	Y		No
02.30	**02.30**		Man-machine Interface (MMI) of the Mobile Station (MS)	Y	Y	Y	Y	Y				No
02.30	**22.030**	02.30	Man-Machine Interface (MMI) of the Mobile Station (MS)						Y	Y		No
02.31	**02.31**		Fraud Information Gathering System (FIGS) Service description; Stage 1			w		Y	Y			No
02.31	**42.031**	02.31	Fraud Information Gathering System (FIGS) Service description; Stage 1							Y		No
02.32	**02.32**		Immediate Service Termination (IST); Service description; Stage 1					Y	Y			No
02.32	**42.032**	02.32	Immediate Service Termination (IST); Service description; Stage 1							Y		No
02.33	**02.33**		Lawful Interception; Stage 1			w		Y	Y			No
02.33	**42.033**	02.33	Lawful Interception; Stage 1							Y		No
02.34	**02.34**		High Speed Circuit Switched Data (HSCSD); Stage 1			Y	Y	Y	w			No
02.34	**22.034**	02.34	High Speed Circuit Switched Data (HSCSD); Stage 1						Y	Y		No
02.35	**02.35**		Universal access to freephone numbers - stage 1			w						Yes
02.35	**22.135**	02.35	Multicall Stage 1						Y	Y		No
02.36	**02.36**		Premium rate services - stage 1			w						Yes
02.37	**02.37**		ISDN based DECT/GSM Interworking			w						Yes
02.38	**02.38**		SIM application toolkit (SAT); Stage 1			w						Yes

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
02.38	**22.038**	02.38	SIM application toolkit (SAT); Stage 1						Y	Y	Y	No
02.40	**02.40**		Procedures for Call Progress Indications	Y	Y	Y	Y	Y	w			No
02.40	**22.140**	02.40	Multimedia Messaging Service; Stage 1						Y	Y		No
02.41	**02.41**		Operator Determined Barring		Y	Y	Y	Y				No
02.41	**22.041**	02.41	Operator Determined Call Barring						Y	Y		No
02.41	**22.141**	02.41	Support of Presence Capability (SOP); stage 1								Y	No
02.41	**22.941**		IP based multimedia framework specifications								Y	No
02.42	**02.42**		Network Identity and Timezone (NITZ); Service Description, Stage 1			Y	Y	Y	w			No
02.42	**22.042**	02.42	Network Identity and Time Zone (NITZ), stage 1						Y	Y		No
02.43	**02.43**		Support of Localised Service Area (SoLSA); Service description; Stage 1					Y	Y			No
02.43	**22.043**	02.43	Support of Localised Service Area (SoLSA); Stage 1						Y	w		No
02.43	**42.043**	02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1							Y		No
02.45	**22.945**		Study of provision of fax service in GSM and UMTS						Y			No
02.46	**22.946**		Broadcast and multicast services								Y	No
02.48	**02.48**		Security mechanisms for the SIM Application Toolkit; Stage 1				Y	Y	Y			No
02.48	**42.048**	02.48	Security mechanisms for the SIM Application Toolkit; Stage 1							Y		No
02.53	**02.53**		Tandem Free Operation (TFO); Service description; Stage 1			w		Y	Y			No
02.53	**22.053**	02.53	Tandem Free Operation (TFO); Service Description - Stage 1						w	Y		No
02.53	**42.053**	02.53	Tandem Free Operation (TFO); Service description; Stage 1							w		Yes
02.56	**02.56**		GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1					Y	Y			No
02.56	**42.056**	02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1							Y		No
02.57	**02.57**		Mobile Station Application Execution Environment (MExE) Service description Stage 1					Y	w			No
02.57	**22.057**	02.57	Mobile Station Application Execution Environment (MExE); Stage 1						Y	Y	Y	No
02.60	**02.60**		General Packet Radio Service Stage 1 Description			w	Y	Y	w			No
02.60	**22.060**	02.60	General Packet Radio Service (GPRS); Stage 1						Y	Y		No
02.60	**22.960**		Mobile multimedia services						w			Yes
02.63	**02.63**		Packet Data on Signalling channels Service (PDS); Stage 1			Y	Y	Y				No
02.66	**02.66**		Support of Mobile Number Portability (MNP); Service description; Stage 1			w		Y				No
02.66	**22.066**	02.66	Support of Mobile Number Portability (MNP); Stage 1						Y	Y		No
02.67	**02.67**		Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP); Stage 1			Y	Y	Y				No
02.67	**22.067**	02.67	enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 1						Y	Y		No
02.68	**02.68**		Voice Group Call Service (VGCS); Stage 1			Y	Y	Y	Y			No
02.68	**42.068**	02.68	Voice Group Call Service (VGCS); Stage 1							Y		No
02.69	**02.69**		Voice Broadcast Service (VBS); Stage 1			Y	Y	Y	Y			No
02.69	**42.069**	02.69	Voice Broadcast Service (VBS); Stage 1							Y		No
02.70	**22.970**		Virtual Home Environment Report						w			Yes

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
02.71	**02.71**		Location Services (LCS); Stage 1					Y				No
02.71	**22.071**	02.71	Location Services (LCS); Stage 1						Y	Y		No
02.71	**22.971**		Automatic establishment of roaming relationships						Y			No
02.72	**02.72**		Call Deflection Service description, Stage 1			w		Y				No
02.72	**22.072**	02.72	Call Deflection (CD); Stage 1						Y	Y		No
02.72	**22.972**		Circuit-switched multimedia						w			Yes
02.73	**02.73**		Malicious Call Identification (MCID) - stage 1			w						Yes
02.75	**22.975**		Advanced addressing						Y			No
02.76	**02.76**		Noise Suppression for the AMR						Y			No
02.76	**22.076**	02.76	Noise Suppression for the AMR Codec; Service Description - Stage 1							Y		No
02.76	**22.976**		Study on PS domain services and capabilities							Y		No
02.77	**02.77**		Emergency call TS12 with additional data transfer			w						Yes
02.78	**02.78**		Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)			Y	Y	Y	w			No
02.78	**22.078**	02.78	CAMEL; Stage 1						Y	Y	Y	No
02.79	**02.79**		Support of Optimal Routeing (SOR); Service definition (Stage 1)			Y	Y	Y				No
02.79	**22.079**	02.79	Support of Optimal Routing; Stage 1						Y	Y		No
02.81	**02.81**		Line Identification Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.81	**22.081**	02.81	Line Identification Supplementary Services; Stage 1						Y	Y		No
02.82	**02.82**		Call Forwarding (CF) Supplementary Services; Stage 1	Y	Y	Y	Y	Y	w			No
02.82	**22.082**	02.82	Call Forwarding (CF) Supplementary Services; Stage 1						Y	Y		No
02.83	**02.83**		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.83	**22.083**	02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1						Y	Y		No
02.84	**02.84**		MultiParty (MPTY) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.84	**22.084**	02.84	MultiParty (MPTY) Supplementary Service; Stage 1						Y	Y		No
02.85	**02.85**		Closed User Group (CUG) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.85	**22.085**	02.85	Closed User Group (CUG) Supplementary Services; Stage 1						Y	Y		No
02.86	**02.86**		Advice of Charge (AoC) Supplementary Services; Stage 1		Y	Y	Y	Y				No
02.86	**22.086**	02.86	Advice of Charge (AoC) Supplementary Services; Stage 1						Y	Y		No
02.87	**02.87**		User-to-User Signalling (UUS) Service Description; Stage 1			w		Y				No
02.87	**22.087**	02.87	User-to-user signalling (UUS); Stage 1						Y	Y		No
02.88	**02.88**		Call Barring (CB) Supplementary Services; Stage 1	Y	Y	Y	Y	Y				No
02.88	**22.088**	02.88	Call Barring (CB) Supplementary Services; Stage 1						Y	Y		No
02.90	**02.90**		Stage 1 Decision of Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y	w			No
02.90	**22.090**	02.90	Unstructured Supplementary Service Data (USSD); Stage 1						Y	Y		No
02.91	**02.91**		Explicit Call Transfer (ECT)			Y	Y	Y				No
02.91	**22.091**	02.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 1						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
02.92	**02.92**		Call Forward Enhancements (CFE) - Stage 1 description			w						Yes
02.93	**02.93**		Completion of Calls to Busy Subcriber (CCBS) Service Description; Stage 1			w	Y	Y				No
02.93	**22.093**	02.93	Call Completion to Busy Subscriber (CCBS); Stage 1						Y	Y		No
02.94	**02.94**		Follow Me Service description; Stage 1						Y			No
02.94	**22.094**	02.94	Follow Me Stage 1						Y	Y		No
02.95	**02.95**		Support of Private Numbering Plan (SPNP); Service description; Stage 1			Y	Y	Y	Y			No
02.96	**02.96**		Name Identification Supplementary Services; Stage 1			w	Y	Y				No
02.96	**22.096**	02.96	Calling Name Presentation (CNAP); Stage 1						Y	Y		No
02.97	**02.97**		Multiple Subscriber Profile (MSP) Service description, Stage 1			w		Y				No
02.97	**22.097**	02.97	Multiple Subscriber Profile (MSP); Stage 1						Y	Y		No
02.98	**02.98**		New barring services; Stage 1			w						Yes
02.99	**02.99**		Direct Subscriber Access and Restriction (DSAR); Stage1			w						Yes
03.01	**03.01**		Network Functions	Y	Y	Y	Y	Y	w			No
03.01	**23.101**	03.01	General UMTS Architecture						Y	Y		No
03.02	**03.02**		Network Architecture	Y	Y	Y	Y	Y				No
03.02	**23.002**	03.02	Network Architecture						Y	Y	Y	No
03.03	**03.03**		Numbering, Addressing and Identification	Y	Y	Y	Y	Y				No
03.03	**23.003**	03.03	Numbering, Addressing and Identification						Y	Y		No
03.04	**03.04**		Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	Y	Y	w	w					No
03.05	**03.05**		Technical performance objectives	Y	Y	Y	Y	Y	Y			No
03.05	**23.205**		Bearer-independent circuit-switched core network; Stage 2							Y		No
03.05	**43.005**	03.05	Technical performance objectives							Y		No
03.07	**03.07**		Restoration Procedures	Y	Y	Y	Y	Y				No
03.07	**23.007**	03.07	Restoration procedures						Y	Y		No
03.07	**23.107**	03.07	Quality of Service, Concept and Architecture						Y	Y	Y	No
03.07	**23.207**		End to end quality of service concept and architecture							Y		No
03.07	**23.907**		Quality of Service concept							Y		No
03.08	**03.08**		Organization of Subscriber Data	Y	Y	Y	Y	Y				No
03.08	**23.008**	03.08	Organisation of subscriber data						Y	Y		No
03.08	**23.108**	03.08	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)						Y	Y		No
03.08	**23.908**		Technical report on Pre-Paging						Y	Y		No
03.09	**03.09**		Handover Procedures	Y	Y	Y	Y	Y				No
03.09	**23.009**	03.09	Handover procedures						Y	Y		No
03.09	**23.909**		Technical report on the Gateway Location Register						Y	Y		No
03.10	**03.10**		GSM Public Land Mobile Network (PLMN) Connection Types	Y	Y	Y	Y	Y	Y			No
03.10	**23.010**	03.10	GSM Public Land Mobile Network (PLMN) Connection Types						w			Yes

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
03.10	**23.110**	03.10	UMTS Access Stratum Services and Functions						Y	Y		No
03.10	**23.910**		Circuit switched data bearer services						Y	Y		No
03.10	**43.010**	03.10	GSM Public Land Mobile Network (PLMN) Connection Types							Y		No
03.11	**03.11**		Technical Realization of Supplementary Services - General Aspects	Y	Y	Y	Y	Y				No
03.11	**23.011**	03.11	Technical Realization of Supplementary Services - General Aspects						Y	Y		No
03.11	**23.911**		Technical report on Out-of-band transcoder control						Y	Y		No
03.12	**03.12**		Location Registration Procedures	Y	Y	Y	Y	Y				No
03.12	**23.012**	03.12	Location management procedures						Y	Y		No
03.12	**23.912**		Technical report on Super-Charger						Y	Y		No
03.13	**03.13**		Discontinuous Reception (DRX) in the GSM System	Y	Y	Y	Y	Y	Y			No
03.13	**23.913**		UMTS Turbo-Charger							Y		Yes
03.13	**43.013**	03.13	Discontinuous Reception (DRX) in the GSM System							Y		No
03.14	**03.14**		Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	Y	Y	Y	Y	Y				No
03.14	**23.014**	03.14	Support of Dual Tone Multi Frequency (DTMF) signalling						Y	Y		No
03.14	**23.814**		Separating RR and MM specific parts of the MS Classmark						Y	w		No
03.15	**03.15**		Technical Realization of Operator Determined Barring		Y	Y	Y	Y				No
03.15	**23.015**	03.15	Technical realisation of Operator Determined Barring (ODB)						Y	Y		No
03.16	**03.16**		Subscriber Data Management		Y	Y	Y	Y				No
03.16	**23.016**	03.16	Subscriber data management; Stage 2						Y	Y		No
03.16	**23.116**	03.16	Super-Charger technical realization; Stage 2						Y	Y		No
03.17	**03.17**		Technical realization of Exchange of Network Capabilities Information (ENCI); Stage 2			w						Yes
03.18	**03.18**		Basic Call Handling			Y	Y	Y				No
03.18	**23.018**	03.18	Basic Call Handling - Technical realization						Y	Y		No
03.18	**23.218**		IP Multimedia (IM) session handling; IM call model								Y	No
03.19	**03.19**		GSM API for SIM toolkit stage 2					Y	Y			No
03.19	**23.119**	03.19	Gateway Location Register (GLR); Stage2						Y	Y		No
03.19	**43.019**	03.19	GSM API for SIM toolkit stage 2							Y		No
03.20	**03.20**		Security-related Network Functions	Y	Y	Y	Y	Y	Y			No
03.20	**23.920**		Evolution of the GSM platform towards UMTS						w			Yes
03.20	**43.020**	03.20	Security-related Network Functions							Y		No
03.21	**23.121**		Architecture Requirements for release 99						Y		w	No
03.21	**23.221**		Architectural requirements							Y	Y	No
03.21	**23.821**		Architecture Principles for Relase 2000							Y		No
03.22	**03.22**		Functions Related to Mobile Station (MS) in Idle Mode		Y	Y	Y	Y	Y			No
03.22	**23.022**	03.22	Functions related to Mobile Station (MS) in idle mode						w			Yes
03.22	**23.122**	03.22	Non-Access-Stratum functions related to Mobile Station (MS) in idle mode						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
03.22	**23.922**		Architecture for an All IP network						w	w		No
03.22	**43.022**	03.22	Functions Related to Mobile Station (MS) in Idle Mode							Y		No
03.23	**23.923**		Combined GSM and Mobile IP mobility handling in UMTS IP CN						Y	w		No
03.25	**23.925**		UMTS Core network based ATM transport						Y	Y		No
03.26	**03.26**		Multiband operation of GSM/DCS 1800 by a single operator		Y	Y	Y	Y	Y			No
03.26	**23.226**		Global text telephony; Stage 2: Architecture								Y	No
03.26	**43.026**	03.26	Multiband operation of GSM/DCS 1800 by a single operator							Y		No
03.27	**23.127**		Virtual Home Environment; Stage 2						Y	Y		No
03.27	**23.227**		Application and user interaction in the UE; Principles and specific requirements							Y		No
03.27	**23.927**		VHE, Open Service Architecture						w			Yes
03.28	**23.228**		IP multimedia subsystem; Stage 2								Y	No
03.30	**03.30**		Radio Network Planning Aspects		Y	Y	Y	Y	Y			No
03.30	**23.930**		Iu Principles						Y	Y		No
03.30	**43.030**	03.30	Radio Network Planning Aspects							Y		No
03.31	**03.31**		Fraud Information Gathering System (FIGS); Service description; Stage 2					Y	Y			No
03.31	**43.031**	03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2							Y		No
03.32	**03.32**		Universal Geographical Area Description (GAD)			Y	Y	Y				No
03.32	**23.032**	03.32	Universal Geographical Area Description (GAD)						Y	Y		No
03.33	**03.33**		Lawful Interception; Stage 2					Y	Y			No
03.33	**43.033**	03.33	Lawful Interception; Stage 2							Y		No
03.34	**03.34**		High Speed Circuit Switched Data (HSCSD); Stage 2			Y	Y	Y				No
03.34	**23.034**	03.34	High Speed Circuit Switched Data (HSCSD); Stage 2						Y	Y		No
03.35	**03.35**		Immediate Service Termination (IST); Stage 2					Y	Y			No
03.35	**23.135**	03.35	Multicall; Stage 2						Y	Y		No
03.35	**43.035**	03.35	Immediate Service Termination (IST); Stage 2							Y		No
03.36	**03.36**		Premium rate services - stage 2			w						Yes
03.36	**23.236**		Intra-domain connection of radio access network nodes to multiple core network nodes								Y	No
03.38	**03.38**		Alphabets and Language Specific Information for GSM		Y	Y	Y	Y				No
03.38	**23.038**	03.38	Alphabets & Language						Y	Y		No
03.39	**03.39**		Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)		w	w	w	w				Yes
03.39	**23.039**	03.39	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)						Y	Y		No
03.40	**03.40**		Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	Y	Y	Y	Y	Y				No
03.40	**23.040**	03.40	Technical realisation of Short Message Service						Y	Y		No
03.40	**23.140**	03.40	Multimedia Messaging Service (MMS)						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
03.41	**03.41**		Technical Realization of Short Message Service Cell Broadcast (SMSCB)	Y	Y	Y	Y	Y				No
03.41	**23.041**	03.41	Technical Realization of Cell Broadcast Service						Y	Y		No
03.42	**03.42**		SMS Compression			Y	Y	Y				No
03.42	**23.042**	03.42	Compression algorithm for SMS						Y	Y		No
03.43	**03.43**		Support of Videotex	Y	Y	Y	Y	Y	w			No
03.43	**23.043**	03.43	Support of Videotex						w			Yes
03.44	**03.44**		Support of Teletex in a GSM Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y	w			No
03.44	**23.044**	03.44	Support of Teletex						w			Yes
03.45	**03.45**		Technical Realization of Facsimile Group 3 Service - transparent	Y	Y	Y	Y	Y	Y			No
03.45	**23.045**	03.45	Technical Realization of Facsimile Group 3 Service - transparent						w			Yes
03.45	**43.045**	03.45	Technical Realization of Facsimile Group 3 Service - transparent							Y		No
03.46	**03.46**		Technical Realization of Facsimile Group 3 Service - non transparent	Y	Y	Y	Y	Y	Y			No
03.46	**23.046**	03.46	Technical realisation of facsimile Group 3 service - non-transparent						w			Yes
03.46	**23.146**	03.46	Technical realisation of facsimile Group 3 service - non-transparent							Y		No
03.46	**43.046**	03.46	Technical Realization of Facsimile Group 3 Service - non transparent									No
03.47	**03.47**		Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)		Y	Y	Y	Y	w			No
03.48	**03.48**		Security Mechanisms for SIM Toolkit Application; Stage 2	Y			Y	Y	Y			No
03.48	**43.048**	03.48	Security Mechanisms for SIM Toolkit Application; Stage 2							Y		No
03.49	**03.49**		Example protocol stacks for interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)		Y	Y	Y	Y	w			No
03.50	**03.50**		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	Y	Y	Y	Y	Y	Y			No
03.50	**43.050**	03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System							Y	Y	No
03.51	**03.51**		GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2									Yes
03.51	**43.051**	03.51	GSM/EDGE Radio Access Network (GERAN) overall description; Stage 2							Y	Y	No
03.52	**03.52**		Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2					Y	Y			No
03.52	**43.052**	03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface; Stage 2							Y		No
03.53	**03.53**		Tandem Free Operation (TFO); Service description; Stage 2					Y	Y			No
03.53	**23.053**	03.53	Tandem Free Operation (TFO); Service description; Stage 2							Y		No
03.53	**23.153**	03.53	Out of Band Transcoder Control; Stage 2							Y		No
03.54	**03.54**		Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2			Y	Y	Y				No
03.54	**23.054**	03.54	Shared Interworking Functions; Stage 2						Y			No
03.55	**03.55**		Dual Transfer Mode (DTM); Stage 2						Y			No
03.55	**23.955**		Virtual Home Environment (VHE) concepts								Y	No
03.55	**43.055**	03.55	Dual Transfer Mode (DTM); Stage 2							Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
03.56	**03.56**		GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2					Y	w			No
03.57	**03.57**		Mobile Station Application Execution Environment (MExE); Functional description; Stage 2					Y				No
03.57	**23.057**	03.57	Mobile Execution Environment (MExE)						Y	Y		No
03.58	**03.58**		Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)				Y	Y	Y			No
03.58	**43.058**	03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)							Y		No
03.59	**03.59**		Location services (LCS) GERAN; Stage 2									No
03.59	**43.059**	03.59	Functional stage 2 description of Location Services in GERAN							Y	Y	No
03.60	**03.60**		General Packet Radio Service (GPRS) Service description; Stage 2				Y	Y				No
03.60	**23.060**	03.60	General Packet Radio Service (GPRS) Service description; Stage 2						Y	Y		No
03.60	**23.960**		Framework of network functions to support multimedia services						w			Yes
03.61	**03.61**		General Packet Radio Service (GPRS); Point To Multipoint Multicast Service Description; Stage 2				w					Yes
03.62	**03.62**		General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 2				w					Yes
03.63	**03.63**		Packet Data on Signalling channels service (PDS) Service description, Stage 2			Y	Y	Y	Y			No
03.63	**43.063**	03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2							Y		No
03.64	**03.64**		Overall description of the GPRS radio interface; Stage 2				Y	Y	Y			No
03.64	**43.064**	03.64	Overall description of the GPRS radio interface; Stage 2							Y		No
03.66	**03.66**		Support of GSM Mobile Number Portability (MNP); Stage 2					Y				No
03.66	**23.066**	03.66	Support of GSM Mobile Number Portability (MNP) stage 2						Y	Y		No
03.67	**03.67**		Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2			Y	Y	Y				No
03.67	**23.067**	03.67	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2						Y	Y		No
03.68	**03.68**		Voice Group Call Service (VGCS); Stage 2			Y	Y	Y	Y			No
03.68	**43.068**	03.68	Voice Group Call Service (VGCS); Stage 2							Y		No
03.69	**03.69**		Voice Broadcast service (VBS); Stage 2			Y	Y	Y	Y			No
03.69	**23.069**	03.69	Voice Broadcast service (VBS); Stage 2						w			Yes
03.69	**43.069**	03.69	Voice Broadcast service (VBS); Stage 2							Y		No
03.70	**03.70**		Routeing of Calls to/from Public Data Networks (PDN)	Y	Y	Y	Y	Y				No
03.70	**23.070**	03.70	Routeing of calls to/from Public Data Networks (PDN) and the GSM Public Land Mobile Network (PLMN)						w			Yes
03.71	**03.71**		Location services (LCS); Stage 2					Y	Y			No
03.71	**23.071**	03.71	Location services (LCS) stage 2						w			Yes
03.71	**23.171**	03.71	Functional stage 2 description of location services in UMTS						Y	w		No
03.71	**23.271**		Functional stage 2 description of location services							Y	Y	No
03.71	**43.071**	03.71	Location services (LCS); Stage 2							w		Yes
03.72	**03.72**		Call Deflection stage 2					Y				No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
03.72	**23.072**	03.72	Call Deflection Supplementary Service; Stage 2						Y	Y		No
03.72	**23.972**		Circuit Switched Multimedia Telephony						Y	w		No
03.73	**03.73**		Support of Localised Service Area (SoLSA); Stage 2					Y				No
03.73	**23.073**	03.73	Support of Localised Service Area (SoLSA); Stage 2						Y	Y		No
03.73	**23.873**		Feasibility study fro transport and control separation in the PS CN domain							Y		No
03.74	**23.874**		Feasibility study of architecture for network requested PDP context activation with User-ID							Y		No
03.74	**23.974**		Support of push service								Y	No
03.78	**03.78**		CAMEL Phase 2; Stage 2			Y	Y	Y				No
03.78	**23.078**	03.78	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3 - Stage 2						Y	Y		No
03.79	**03.79**		Support of Optimal Routing phase 1; Stage 2			Y	Y	Y				No
03.79	**23.079**	03.79	Support of Optimal Routeing - Phase 1; Stage 2						Y	Y		No
03.81	**03.81**		Line Identification Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.81	**23.081**	03.81	Line Identification Supplementary Services; Stage 2						Y	Y		No
03.82	**03.82**		Call Forwarding (CF) Supplementary Services; Stage 2	Y	Y	Y	Y	Y	w			No
03.82	**23.082**	03.82	Call Forwarding (CF) Supplementary Services; Stage 2						Y	Y		No
03.83	**03.83**		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.83	**23.083**	03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 2						Y	Y		No
03.84	**03.84**		Multi Party (MPTY) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.84	**23.084**	03.84	MultiParty (MPTY) Supplementary Service; Stage 2						Y	Y		No
03.85	**03.85**		Closed user Group (CUG) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.85	**23.085**	03.85	Closed User Group (CUG) Supplementary Service; Stage 2						Y	Y		No
03.86	**03.86**		Advice of Charge (AoC) Supplementary Services; Stage 2		Y	Y	Y	Y				No
03.86	**23.086**	03.86	Advice of Charge (AoC) Supplementary Service; Stage 2						Y	Y		No
03.87	**03.87**		User-to-user signalling (UUS); Stage 2					Y				No
03.87	**23.087**	03.87	User-to-User Signalling (UUS); Stage 2						Y	Y		No
03.88	**03.88**		Call Barring (CB) supplementary services; Stage 2	Y	Y	Y	Y	Y				No
03.88	**23.088**	03.88	Call Barring (CB) Supplementary Service; Stage 2						Y	Y		No
03.90	**03.90**		Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y				No
03.90	**23.090**	03.90	Unstructured Supplementary Service Data (USSD); Stage 2						Y	Y		No
03.91	**03.91**		Explicit Call Transfer (ECT) Supplementary Service; Stage 2			Y	Y	Y				No
03.91	**23.091**	03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2						Y	Y		No
03.93	**03.93**		Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2				Y	Y				No
03.93	**23.093**	03.93	Call Completion to Busy Subscriber (CCBS); Stage 2						Y	Y		No
03.94	**03.94**		Follow Me Service description; Stage 2			w						Yes
03.94	**23.094**	03.94	Follow Me Stage 2						Y	Y		No
03.95	**03.95**		Support of Private Numbering Plan (SPNP); Stage 2			w						Yes

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
03.96	**03.96**		Name Identification Supplementary Services; Stage 2				Y	Y				No
03.96	**23.096**	03.96	Name Identification Supplementary Service; Stage 2						Y	Y		No
03.97	**03.97**		Multiple subscriber Profile (MSP); Stage 2					Y				No
03.97	**23.097**	03.97	Multiple Subscriber Profile (MSP); Stage 2						Y	Y		No
03.98	**03.98**		New barring services; Stage 2 description			w						Yes
03.99	**03.99**		Direct Subscriber Access and Restriction (DSAR); Stage 2			w						Yes
04.01	**04.01**		Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	Y	Y	Y	Y	Y	Y			No
04.01	**44.001**	04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles							Y		No
04.02	**04.02**		GSM Public Land Mobile Network (PLMN) Access Reference Configuration	Y	Y	Y	Y	Y				No
04.02	**24.002**	04.02	GSM-UMTS Public Land Mobile Network (PLMN) Access Reference Configuration						Y	Y		No
04.03	**04.03**		Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	Y	Y	Y	Y	Y	Y			No
04.03	**44.003**	04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities							Y		No
04.04	**04.04**		Layer 1 - General Requirements	Y	Y	Y	Y	Y	Y			No
04.04	**24.004**	04.04	Layer 1 - General Requirements							w		Yes
04.04	**44.004**	04.04	Layer 1 - General Requirements							Y		No
04.05	**04.05**		Data Link (DL) Layer General Aspects	Y	Y	Y	Y	Y	Y			No
04.05	**44.005**	04.05	Data Link (DL) Layer General Aspects							Y		No
04.06	**04.06**		Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	Y	Y	Y	Y	Y	Y			No
04.06	**44.006**	04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification							Y		No
04.07	**04.07**		Mobile Radio Interface Signalling Layer 3 - General Aspects	Y	Y	Y	Y	Y				No
04.07	**24.007**	04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects						Y	Y		No
04.08	**04.08**		Mobile radio interface layer 3 specification	Y	Y	Y	Y	Y	Y			No
04.08	**24.008**	04.08	Mobile Radio Interface Layer 3 specification; Core Network Protocols; Stage 3						Y	Y		No
04.08	**44.008**	04.08	Mobile radio interface layer 3 specification							Y		No
04.10	**04.10**		Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	Y	Y	Y	Y	Y				No
04.10	**24.010**	04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects						Y	Y		No
04.11	**04.11**		Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	Y	Y	Y	Y	Y				No
04.11	**24.011**	04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface						Y	Y		No
04.12	**04.12**		Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	Y	Y	Y	Y	Y	Y			No
04.12	**24.012**	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface						w	w		Yes
04.12	**44.012**	04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface							Y		No
04.13	**04.13**		Performance Requirements on Mobile Radio Interface		Y	Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
04.13	**44.013**	04.13	Performance Requirements on Mobile Radio Interface							Y		No
04.14	**04.14**		Individual equipment type requirements and interworking; Special conformance testing functions			Y	Y	Y	Y			No
04.14	**44.014**	04.14	Individual equipment type requirements and interworking; Special conformance testing functions							Y		No
04.18	**04.18**		Mobile radio interface layer 3 specification; Radio Resource Control Protocol						Y			No
04.18	**44.018**	04.18	Mobile Radio Interface - Layer 3 Specification RR part							Y	Y	No
04.21	**04.21**		Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	Y	Y	Y	Y	Y	Y			No
04.21	**44.021**	04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface							Y		No
04.22	**04.22**		Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	Y	Y	Y	Y	Y	w			No
04.22	**24.022**	04.22	Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface						Y	Y		No
04.28	**24.228**		Signalling flows for the IP multimedia call control based on SIP and SDP; stage 3								Y	No
04.29	**24.229**		IP Multimedia Call Control Protocol based on SIP and SDP; stage 3								Y	No
04.30	**04.30**		Location Services LCS Stage 3 SS (MO-LR)					Y				No
04.30	**24.030**	04.30	Location Services LCS Stage 3 SS (MO-LR)						Y	Y		No
04.31	**04.31**		Location Services LCS RR LCS Protocol					Y	Y			No
04.31	**44.031**	04.31	Location Services LCS RR LCS Protocol							Y		No
04.33	**04.33**		Lawful interception; Stage 3					w				Yes
04.35	**04.35**		Location Services LCS Stage 3 E-OTD Enhanced Observed					Y	Y			No
04.35	**24.135**	04.35	Multicall supplementary service; Stage 3						Y	Y		No
04.35	**44.035**	04.35	Location Services LCS Stage 3 E-OTD Enhanced Observed							Y		No
04.36	**04.36**		Premium rate services - stage 3			w						Yes
04.46	**24.946**		reserved							w		No
04.53	**04.53**		Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3					w				Yes
04.56	**04.56**		GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification					Y	Y			No
04.56	**44.056**	04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification							Y		No
04.57	**04.57**		GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification					Y	Y			No
04.57	**44.057**	04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification							Y		No
04.60	**04.60**		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol				Y	Y	Y			No
04.60	**44.060**	04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol							Y		No
04.61	**04.61**		General Packet Radio Service (GPRS); Point-to-multipoint multicast; Stage 3				w					Yes
04.62	**04.62**		General Packet Radio Service (GPRS); Point-to-multipoint group call; Stage 3				w					Yes
04.63	**04.63**		Packet Data on Signalling channels Service (PDS) Service Description, Stage 3			Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
04.63	**44.063**	04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3							Y		No
04.64	**04.64**		Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification			w	Y	Y	Y			No
04.64	**44.064**	04.64	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification							Y		No
04.65	**04.65**		Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)			w	Y	Y	Y			No
04.65	**24.065**	04.65	General Packet Radio Service (GPRS); Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)						w			Yes
04.65	**44.065**	04.65	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)							Y		No
04.67	**04.67**		Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3			Y	Y	Y				No
04.67	**24.067**	04.67	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP); Stage 3						Y	Y		No
04.68	**04.68**		Group Call Control (GCC) Protocol			Y	Y	Y	Y			No
04.68	**24.068**	04.68	Group Call Control (GCC) Protocol						w			Yes
04.68	**44.068**	04.68	Group Call Control (GCC) Protocol							Y		No
04.69	**04.69**		Broadcast Call Control (BCC) protocol			Y	Y	Y	Y			No
04.69	**24.069**	04.69	Broadcast Call Control (BCC) protocol						w			Yes
04.69	**44.069**	04.69	Broadcast Call Control (BCC) protocol							Y		No
04.70	**04.70**		Payphone services - stage 3			w						Yes
04.71	**04.71**		Location services (LCS) stage 3					Y	Y			No
04.71	**44.071**	04.71	Location services (LCS) stage 3							Y		No
04.72	**04.72**		Call Deflection (CD) Supplementary Service; Stage 3					Y				No
04.72	**24.072**	04.72	Call Deflection Supplementary Service; Stage 3						Y	Y		No
04.73	**04.73**		Malicious Call Identification (MCID) - stage 3			w						Yes
04.78	**04.78**		Customised Applications for Mobile network Enhanced Logic (CAMEL); Stage 3			w						Yes
04.79	**04.79**		Support of Optimal routing - stage 3			w						Yes
04.80	**04.80**		Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	Y	Y	Y	Y	Y				No
04.80	**24.080**	04.80	Mobile radio Layer 3 Supplementary Service specification - Formats and coding						Y	Y		No
04.81	**04.81**		Line Identification Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.81	**24.081**	04.81	Line Identification Supplementary Service; Stage 3						Y	Y		No
04.82	**04.82**		Call Forwarding (CF) Supplementary Services - Stage 3	Y	Y	Y	Y	Y				No
04.82	**24.082**	04.82	Call Forwarding Supplementary Service; Stage 3						Y	Y		No
04.83	**04.83**		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.83	**24.083**	04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service; Stage 3						Y	Y		No
04.84	**04.84**		Multi Party (MPTY) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.84	**24.084**	04.84	MultiParty (MPTY) Supplementary Service; Stage 3						Y	Y		No
04.85	**04.85**		Closed User Group (CUG) Supplementary Services; Stage 3		Y	Y	Y	Y				No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
04.85	**24.085**	04.85	Closed User Group (CUG) Supplementary Service; Stage 3						Y	Y		No
04.86	**04.86**		Advice of Charge (AoC) Supplementary Services; Stage 3		Y	Y	Y	Y				No
04.86	**24.086**	04.86	Advice of Charge (AoC) Supplementary Service; Stage 3						Y	Y		No
04.87	**04.87**		User-to-User Signalling (UUS) Supplementary Service Stage 3					Y				No
04.87	**24.087**	04.87	User-to-User Signalling (UUS); Stage 3						Y	Y		No
04.88	**04.88**		Call Barring (CB) Supplementary Services; Stage 3	Y	Y	Y	Y	Y				No
04.88	**24.088**	04.88	Call Barring (CB) Supplementary Service; Stage 3						Y	Y		No
04.90	**04.90**		Unstructured Supplementary Service Data (USSD)		Y	Y	Y	Y				No
04.90	**24.090**	04.90	Unstructured Supplementary Service Data (USSD); Stage 3						Y	Y		No
04.91	**04.91**		Explicit Call Transfer (ECT) Supplementary Service; Stage 3			Y	Y	Y				No
04.91	**24.091**	04.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 3						Y	Y		No
04.93	**04.93**		Completion of Calls to Busy Subscriber (CCBS); Stage 3				Y	Y				No
04.93	**24.093**	04.93	Call Completion to Busy Subscriber (CCBS); Stage 3						Y	Y		No
04.94	**04.94**		Follow Me Service description; Stage 3						w			Yes
04.94	**24.094**	04.94	Follow Me; Stage 3						w			Yes
04.96	**04.96**		Name Identification Supplementary Services; Stage 3				Y	Y				No
04.96	**24.096**	04.96	Name Identification Supplementary Service; Stage 3						Y	Y		No
04.98	**04.98**		New barring services - Stage 3 description			w						Yes
04.99	**04.99**		Direct subscriber access and restriction - stage 3			w						Yes
05.01	**05.01**		Physical Layer on the Radio Path (General Description)	Y	Y	Y	Y	Y	Y			No
05.01	**25.101**	05.01	UE Radio transmission and reception (FDD)						Y	Y		No
05.01	**25.201**		Physical layer -General Description						Y	Y		No
05.01	**25.301**		Radio Interface Protocol Architecture						Y	Y		No
05.01	**25.401**		UTRAN Overall Description						Y	Y		No
05.01	**45.001**	05.01	Physical Layer on the Radio Path (General Description)							Y	Y	No
05.02	**05.02**		Multiplexing and Multiple Access on the Radio Path	Y	Y	Y	Y	Y	Y			No
05.02	**25.102**	05.02	UE Radio transmission and reception (TDD)						Y	Y		No
05.02	**25.302**		Services provided by the physical layer						Y	Y		No
05.02	**25.402**		Synchronisation in UTRAN Stage 2						Y	Y		No
05.02	**45.002**	05.02	Multiplexing and Multiple Access on the Radio Path							Y	Y	No
05.03	**05.03**		Channel coding	Y	Y	Y	Y	Y	Y			No
05.03	**25.103**	05.03	RF parameters in support of RRM						w			Yes
05.03	**25.303**		UE functions and inter-layer procedures in connected mode						Y	Y		No
05.03	**45.003**	05.03	Channel coding							Y	Y	No
05.04	**05.04**		Modulation	Y	Y	Y	Y	Y	Y			No
05.04	**25.104**	05.04	UTRA (BS) FDD; Radio transmission and reception						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
05.04	**25.304**		UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode						Y	Y		No
05.04	**45.004**	05.04	Modulation							w		No
05.05	**05.05**		Radio Transmission and Reception	Y	Y	Y	Y	Y	Y			No
05.05	**25.105**	05.05	UTRA (BS) TDD: Radio transmission and reception						Y	Y		No
05.05	**25.305**		Stage 2 functional specification of UE positioning in UTRAN						Y	Y	Y	No
05.05	**45.005**	05.05	Radio transmission and reception							Y	Y	No
05.06	**25.106**		UTRA Repeater; Radio transmission and reception							Y		No
05.06	**25.306**		UE Radio Access capabilities definition						Y	Y		No
05.07	**25.107**		UTRA Repeater; Conformance testing							w		Yes
05.07	**25.307**		Requirements on UE supporting a release-independent frequency band						Y			No
05.08	**05.08**		Radio Subsystem Link Control	Y	Y	Y	Y	Y	Y			No
05.08	**45.008**	05.08	Radio subsystem link control							Y	Y	No
05.09	**05.09**		Link adaptation					Y	Y			No
05.09	**45.009**	05.09	Link adaptation							Y	Y	No
05.10	**05.10**		Radio subsystem synchronization	Y	Y	Y	Y	Y	Y			No
05.10	**25.410**		UTRAN Iu Interface: General Aspects and Principles						Y	Y		No
05.10	**45.010**	05.10	Radio subsystem synchronization							Y		No
05.11	**25.211**		Physical channels and mapping of transport channels onto physical channels (FDD)						Y	Y		No
05.11	**25.411**		UTRAN Iu interface Layer 1						Y	Y		No
05.12	**25.212**		Multiplexing and channel coding (FDD)						Y	Y		No
05.12	**25.412**		UTRAN Iu interface signalling transport						Y	Y		No
05.13	**25.113**		Base station EMC						Y	Y		No
05.13	**25.213**		Spreading and modulation (FDD)						Y	Y		No
05.13	**25.413**		UTRAN Iu interface RANAP signalling						Y	Y		No
05.14	**05.14**		Release independent frequency bands; Implementation guidelines				Y	Y	w			No
05.14	**25.214**		Physical layer procedures (FDD)						Y	Y		No
05.14	**25.414**		UTRAN Iu interface data transport & transport signalling						Y	Y		No
05.15	**25.215**		Physical layer; Measurements (FDD)						Y	Y		No
05.15	**25.415**		UTRAN Iu interface user plane protocols						Y	Y		No
05.18	**05.18**		Hands free mobile station			w						Yes
05.19	**05.19**		Service to GSM handportables in trains			w						Yes
05.19	**25.419**		UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC						Y	Y		No
05.20	**05.20**		Fast moving Mobile Station (study)			w						Yes
05.20	**25.420**		UTRAN Iur Interface: General Aspects and Principles						Y	Y		No
05.21	**05.21**		DCS 1800; 4 Watt Mobile Power Class - study				w					Yes
05.21	**25.221**		Physical channels and mapping of transport channels onto physical channels (TDD)						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
05.21	**25.321**		Medium Access Control (MAC) Protocol Specification						Y	Y		No
05.21	**25.421**		UTRAN Iur interface Layer 1						Y	Y		No
05.21	**25.921**		Guidelines and principles for protocol description and error handling						Y	Y		No
05.22	**05.22**		Radio link management in hierarchical networks		Y	Y	Y	Y	Y			No
05.22	**25.222**		Multiplexing and channel coding (TDD)						Y	Y		No
05.22	**25.322**		Radio Link Control (RLC) Protocol Specification						Y	Y		No
05.22	**25.422**		UTRAN Iur interface signalling transport						Y	Y		No
05.22	**25.922**		Radio Resource Management Strategies						Y	Y		No
05.22	**45.022**	05.22	Radio link management in hierarchical networks							Y		No
05.23	**25.123**		Requirements for support of radio resource management (TDD)						Y	Y		No
05.23	**25.223**		Spreading and modulation (TDD)						Y	Y		No
05.23	**25.323**		Packet Data Convergence Protocol (PDCP) protocol						Y	Y		No
05.23	**25.423**		UTRAN Iur interface RNSAP signalling						Y	Y		No
05.23	**25.923**		Stage 2 Functional Specification of Location Services in UTRAN						w			Yes
05.24	**25.224**		Physical layer procedures (TDD)						Y	Y		No
05.24	**25.324**		Broadcast/Multicast Control (BMC)						Y	Y		No
05.24	**25.424**		UTRAN Iur interface data transport & transport signalling for CCH data streams						Y	Y		No
05.24	**25.924**		Opportunity Driven Multiple Access (ODMA)							Y		No
05.25	**25.225**		Physical layer; Measurements (TDD)						Y	Y		No
05.25	**25.425**		UTRAN Iur interface user plane protocols for CCH data streams						Y	Y		No
05.25	**25.925**		Radio Interface for Broadcast/Multicast Services						Y			No
05.26	**25.426**		UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams						Y	Y		No
05.26	**25.926**		UE Radio Access capabilities definition						w			Yes
05.27	**25.427**		UTRAN Iur and Iub interface user plane protocols for DCH data streams						Y	Y		No
05.28	**25.928**		1,28 Mcps functionality for UTRA TDD physical layer							Y		No
05.30	**05.30**		General packet radio service requirements			w						Yes
05.30	**25.430**		UTRAN Iub Interface: General Aspects and Principles						Y	Y		No
05.31	**25.331**		Radio Resource Control (RRC) Protocol Specification						Y	Y		No
05.31	**25.431**		UTRAN Iub interface Layer 1						Y	Y		No
05.31	**25.831**		Study Items for future release						Y			No
05.31	**25.931**		UTRAN Functions, examples on signalling procedures						Y	Y		No
05.32	**25.432**		UTRAN Iub interface signalling transport						Y	Y		No
05.32	**25.832**		Manifestations of Handover and SRNS relocation						Y	Y		No
05.32	**25.932**		Delay budget within the access stratum							w		Yes
05.33	**25.133**		Requirements for support of radio resource management (FDD)						Y	Y		No
05.33	**25.433**		UTRAN Iub interface NBAP signalling						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
05.33	**25.833**		Physical layer items not for inclusion in Release 99						Y			No
05.33	**25.933**		IP Transport in UTRAN							Y		No
05.34	**25.434**		UTRAN Iub interface data transport & transport signalling for CCH data streams						Y	Y		No
05.34	**25.834**		UTRA TDD low chip rate option; Radio protocol aspects							Y		No
05.34	**25.934**		AAL2 QoS optimization							Y		No
05.35	**25.435**		UTRAN Iub interface user plane protocols for CCH data streams						Y	Y		No
05.35	**25.835**		Report on hybrid ARQ type II/III							Y		No
05.35	**25.935**		RRM optimisation							Y		No
05.36	**25.836**		Node B synchronization for TDD							Y		No
05.36	**25.936**		Handover for realtime services from PS-domain							Y		No
05.37	**25.837**		Hybrid ARQ Type II/III (Iub/Iur aspects)							Y		No
05.37	**25.937**		UTRAN TDD low chiprate							Y		No
05.38	**25.838**		Node B Synchronisation for TDD (Iub/Iur aspects)							Y		No
05.38	**25.938**		Terminal power saving features							Y		No
05.39	**25.839**		Uplink Synchronous Transmission Scheme (USTS) (Iur/Iub aspects)							Y		No
05.40	**25.840**		Terminal power saving features							Y		No
05.41	**25.141**		Base station conformance testing (FDD)						Y	Y		No
05.41	**25.841**		DSCH power control improvement in soft handover							Y		No
05.41	**25.941**		Document structure						Y			No
05.42	**25.142**		Base station conformance testing (TDD)						Y	Y		No
05.42	**25.442**		UTRAN Implementation Specific O&M Transport						Y	Y		No
05.42	**25.842**		Smart antenna							Y		No
05.42	**25.942**		RF system scenarios						Y	Y		No
05.43	**25.143**		UTRA Repeater; Conformance testing							Y		No
05.43	**25.843**		1,28 Mcps TDD UE Radio Access Capabilities							Y		No
05.43	**25.943**		Deployment aspects							Y		No
05.44	**25.844**		Radio acces bearer support enhancements							Y		No
05.44	**25.944**		Channel coding and multiplexing examples						Y	Y		No
05.45	**25.845**		FDD RACH and AICH performance requirements							Y		No
05.45	**25.945**		RF requirements for low chip rate TDD option							Y		No
05.46	**25.846**		CPCH performance							w		Yes
05.46	**25.946**		RAB Quality of Service Negotiation over Iu							Y		No
05.47	**25.847**		UE positioning enhancements							Y		No
05.48	**25.848**		Physical Layer Aspects of UTRA High Speed Downlink Packet Access							Y		No
05.49	**25.849**		DSCH power control improvement in soft handover							Y		No
05.50	**05.50**		Background for RF Requirements		Y	Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
05.50	**25.450**		UTRAN Iupc interface general aspects and principles								Y	No
05.50	**25.850**		UE positioning in UTRAN Iub/Iur protocol aspects							Y		No
05.50	**25.950**		UTRA high speed downlink packet access							Y		No
05.50	**45.050**	05.50	Background for RF Requirements							Y		No
05.51	**25.451**		UTRAN Iupc interface layer 1								Y	No
05.51	**25.851**		RAB Quality of Service Renegotiation over Iu							Y		No
05.51	**25.951**		Base Station classification (FDD)							Y		No
05.52	**25.452**		UTRAN Iupc interface signalling transport								Y	No
05.52	**25.852**		Radio access bearer support enhancements for the Iu							Y		No
05.52	**25.952**		Base Station classification (TDD)							Y		No
05.53	**25.053**		Tandem Free Operation (TFO); Service description; Stage 2						w			Yes
05.53	**25.453**		UTRAN Iupc interface Positioning Calculation Application Part (PCAP) signalling								Y	No
05.53	**25.853**		Delay budget within the access stratum						Y	Y		No
05.53	**25.953**		TrFO/TFO							Y		No
05.54	**25.854**		Uplink Synchronous Transmission Scheme (USTS)								Y	No
05.54	**25.954**		Migration to modification procedure							Y		No
05.55	**25.855**		High Speed Downlink Packet Access (HSDPA); Overall UTRAN description								Y	No
05.56	**05.56**		CTS-FP Radio Sub-system					Y	Y			No
05.56	**25.856**		High Speed Downlink Packet Access (HSDPA); Layer 2 and 3 aspects hans								Y	No
05.56	**25.956**		UTRA repeater: Planning guidelines and system analysis							Y		No
05.56	**45.056**	05.56	CTS-FP Radio Sub-system							Y		No
05.57	**25.857**		UE positioning enhancements								Y	No
05.58	**25.858**		Physical layer aspects of UTRA High Speed Downlink Packet Access								Y	No
05.68	**25.868**		Node B synchronization for 1,28 Mcps, TDD								Y	No
05.69	**25.869**		RAN WG1 report on Tx diversity solutions for multiple antennas								Y	No
05.70	**25.870**		Enhancement on the DSCH Hard Split mode								Y	No
05.71	**25.371**		LMU signalling							w		Yes
05.75	**25.875**		NAS node selector function								Y	No
05.90	**05.90**		GSM Electro Magnetic Compatibility (EMC) Considerations		Y	Y	Y	Y				No
05.90	**25.990**		Vocabulary for UTRAN						Y			No
06.01	**06.01**		Full Rate Speech Processing Functions	Y	Y	Y	Y	Y	Y			No
06.01	**26.101**	06.01	AMR speech Codec; Frame Structure						Y	Y		No
06.01	**26.201**		AMR speech codec, wideband; Frame structure								Y	No
06.01	**26.901**		AMR Wideband Speech Codec Feasibility Study Report							Y		No
06.01	**46.001**	06.01	Full Rate Speech Processing Functions							Y		No
06.02	**06.02**		Half Rate Speech Processing Functions		Y	Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
06.02	**26.102**	06.02	AMR speech Codec; Interface to Iu and Uu						Y	Y		No
06.02	**26.202**		AMR speech codec, wideband; Interface to Iu and Uu								Y	No
06.02	**46.002**	06.02	Half Rate Speech Processing Functions							Y		No
06.03	**26.103**		Codec lists						Y	Y	Y	No
06.04	**26.104**		AMR speech Codec; Floating point C-Code						Y	Y		No
06.06	**06.06**		Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec		Y	Y	Y	Y	Y			No
06.06	**46.006**	06.06	Half-rate speech: ANSI-C code for GSM half-rate speech codec							Y		No
06.07	**06.07**		Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec		Y	Y	Y	Y	Y			No
06.07	**46.007**	06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec							Y		No
06.08	**06.08**		Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec		Y	Y	Y	Y	Y			No
06.08	**46.008**	06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec							Y		No
06.10	**06.10**		Full Rate Speech Transcoding	Y	Y	Y	Y	Y	Y			No
06.10	**26.110**	06.10	Codec for Circuit switched Multimedia Telephony Service; General Description						Y	Y		No
06.10	**46.010**	06.10	Full-rate speech transcoding							Y		No
06.11	**06.11**		Substitution and Muting of Lost Frames for Full Rate Speech Channels	Y	Y	Y	Y	Y	Y			No
06.11	**26.111**	06.11	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324						Y	Y		No
06.11	**26.911**		Codec for Circuit switched Multimedia Telephony Service;Terminal Implementor's Guide						Y	Y		No
06.11	**46.011**	06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels							Y		No
06.12	**06.12**		Comfort Noise Aspects for Full Rate Speech Traffic Channels	Y	Y	Y	Y	Y	Y			No
06.12	**26.112**	06.12	Codec(s) for Circuit Switched Multimedia Telephony Service; Call Set-up Requirements						w			Yes
06.12	**26.912**		Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G						Y	Y		No
06.12	**46.012**	06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels							Y		No
06.13	**26.913**		Quantitative performance evaluation of real-time packet switched multimedia services over 3G						Y	w		No
06.15	**26.115**		Transmission Delay and Echo Control Planning For Speech and Multi-Media Services						w	Y		No
06.15	**26.915**		Echo Control For Speech and Multi-Media Services						Y			No
06.20	**06.20**		Half Rate Speech Transcoding		Y	Y	Y	Y	Y			No
06.20	**26.920**		Architectural Model for the 3G Transcoders							w		Yes
06.20	**46.020**	06.20	Half Rate Speech Transcoding							Y		No
06.21	**06.21**		Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels		Y	Y	Y	Y	Y			No
06.21	**26.121**	06.21	Technical Specification for Tandem Free Operation within 3G networks						w			Yes
06.21	**46.021**	06.21	Half rate speech; Substitution and muting of lost frames for half rate speech traffic channels							Y		No
06.22	**06.22**		Comfort Noise Aspects for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			No
06.22	**26.122**	06.22	Technical Specification for Tandem Free Operation between 3G and 2G networks						w			Yes
06.22	**46.022**	06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels							Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
06.26	**26.226**		Global text telephony;Transport of text in the voice channel							w	Y	No
06.30	**26.230**		Global text telephony; Cellular text telephone modem transmitter C-code description description							w	Y	No
06.31	**06.31**		Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	Y	Y	Y	Y	Y	Y			No
06.31	**26.131**	06.31	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics						Y	Y	Y	No
06.31	**26.231**		Global text telephony; Cellular text telephone modem minimum performance requirements								Y	No
06.31	**46.031**	06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels							Y		No
06.32	**06.32**		Voice Activity Detection (VAD)	Y	Y	Y	Y	Y	Y			No
06.32	**26.132**	06.32	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.						Y	Y	Y	No
06.32	**46.032**	06.32	Voice Activity Detection (VAD)							Y		No
06.33	**26.133**		Wide band speech telephony terminal acoustic characteristics						w			Yes
06.33	**26.233**		End-to-end transparent streaming service; General description							Y		No
06.34	**26.134**		Wide band speech telephony terminal acoustic test specification						w			Yes
06.34	**26.234**		End-to-end transparent streaming service; Protocols and codecs							Y		No
06.35	**26.135**		Terminal Display and Camera Characteristics for H.324 Narrow-band Video Telephony						w			Yes
06.35	**26.235**		Packet switched conversational multimedia applications; Default codecs							Y		No
06.36	**26.136**		Terminal Display and Camera Test Specifications for H.324 Narrow-band Video Telephony						w			Yes
06.37	**26.137**		Terminal Display and Camera Characteristics for H.323 Narrow-band Video Telephony						w			Yes
06.38	**26.138**		Terminal Display and Camera Test Specifications for H.323 Narrow-band Video Telephony						w			Yes
06.41	**06.41**		Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			No
06.41	**46.041**	06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels							Y		No
06.42	**06.42**		Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels		Y	Y	Y	Y	Y			No
06.42	**46.042**	06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels							Y		No
06.51	**06.51**		GSM Enhanced full rate speech processing functions: General description		Y	Y	Y	Y	Y			No
06.51	**46.051**	06.51	GSM Enhanced full rate speech processing functions: General description							Y		No
06.53	**06.53**		ANSI-C code for the GSM Enhanced full rate speech codec		Y	Y	Y	Y	Y			No
06.53	**46.053**	06.53	ANSI-C code for the GSM Enhanced full rate speech codec							Y		No
06.54	**06.54**		Test sequences for the GSM Enhanced Full Rate (EFR)		Y	Y	Y	Y	Y			No
06.54	**46.054**	06.54	Test sequences for the GSM Enhanced Full Rate (EFR)							Y		No
06.55	**06.55**		Performance characterisation of the GSM EFR Speech Codec		Y	Y	Y	Y	Y			No
06.55	**46.055**	06.55	Performance characterisation of the GSM EFR Speech Codec							Y		No
06.60	**06.60**		Enhanced full rate speech transcoding		Y	Y	Y	Y	Y			No
06.60	**46.060**	06.60	Enhanced full rate speech transcoding							Y		No
06.61	**06.61**		Substitution and muting of lost frames for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
06.61	**46.061**	06.61	Substitution and muting of lost frames for encanced full rate speech traffic channels							Y		No
06.62	**06.62**		Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels		Y	Y	Y	Y	Y			No
06.62	**46.062**	06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels							Y		No
06.71	**06.71**		Adaptive Multi-Rate speech processing functions; General description					Y				No
06.71	**26.071**	06.71	AMR speech Codec; General description						Y	Y		No
06.71	**26.171**	06.71	AMR speech codec, wideband; General description								Y	No
06.73	**06.73**		ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec					Y				No
06.73	**26.073**	06.73	AMR speech Codec; C-source code						Y	Y		No
06.73	**26.173**	06.73	AMR speech codec, wideband; C-source code								Y	No
06.74	**06.74**		Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec					Y				No
06.74	**26.074**	06.74	AMR speech Codec; Test sequences						Y	Y		No
06.74	**26.174**	06.74	AMR speech codec, wideband; Test sequences								Y	No
06.75	**06.75**		AMR performan characterisation					Y				No
06.75	**26.075**	06.75	AMR speech Codec; Performance Charaterization of the GSM AMR Speech Codec						w			Yes
06.75	**26.975**		Performance characterization of the AMR speech codec						Y	Y		No
06.76	**06.76**		Adaptive Multi-Rate (AMR) speech codec; Study phase report					Y	Y			No
06.76	**26.976**		Results of the AMR wideband (AMR-W) selection phase								Y	No
06.76	**46.076**	06.76	Adaptive Multi-Rate (AMR) speech codec; Study phase report							Y		No
06.77	**06.77**		Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder						Y			No
06.77	**26.077**	06.77	Minimum Performance Requirements for Noise Suppresser Application to the AMR Speech Encoder							Y		No
06.78	**06.78**		Results of the AMR noise suppression selection phase						Y			No
06.78	**26.078**	06.78	Results of the AMR noise suppression selection phase							w		Yes
06.78	**26.978**		Results of the AMR noise suppression selection phase							Y		No
06.81	**06.81**		Discontinuous Transmission (DTX) for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.81	**46.081**	06.81	Discontinuous Transmission (DTX) for encanced full rate speech traffic channels							Y		No
06.82	**06.82**		Voice Activity Detection (VAD) for encanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.82	**46.082**	06.82	Voice Activity Detection (VAD) for encanced full rate speech traffic channels							Y		No
06.85	**06.85**		Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation			Y	Y	Y	Y			No
06.85	**46.085**	06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation							Y		No
06.90	**06.90**		Adaptive Multi-Rate speech transcoding					Y				No
06.90	**26.090**	06.90	AMR speech Codec; Transcoding Functions						Y	Y		No
06.90	**26.190**	06.90	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions								Y	No
06.91	**06.91**		Substitution and muting of lost frames for AMR speech traffic channels					Y				No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
06.91	**26.091**	06.91	AMR speech Codec; Error concealment of lost frames						Y	Y		No
06.91	**26.191**	06.91	AMR speech codec, wideband; Error concealment of lost frames								Y	No
06.92	**06.92**		Comfort noise aspects for Adaptive Multi-Rate speech traffic channels					Y				No
06.92	**26.092**	06.92	AMR speech Codec; comfort noise for AMR Speech Traffic Channels						Y	Y		No
06.92	**26.192**	06.92	Mandatory Speech Codec speech processing functions AMR Wideband Speech Codec; Comfort noise aspects								Y	No
06.93	**06.93**		Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels					Y				No
06.93	**26.093**	06.93	AMR speech Codec; Source Controlled Rate operation						Y	Y		No
06.93	**26.193**	06.93	AMR speech codec, wideband; Source Controlled Rate operation								Y	No
06.94	**06.94**		Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels					Y				No
06.94	**26.094**	06.94	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels						Y	Y		No
06.94	**26.194**	06.94	Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Voice Activity Detector (VAD)								Y	No
07.01	**07.01**		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	Y	Y	Y	Y	Y	w			No
07.01	**27.001**	07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)						Y	Y		No
07.01	**27.901**		Report on Terminal Interfaces - An Overview						Y	Y		No
07.02	**07.02**		Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	Y	Y	Y	Y	Y	w			No
07.02	**27.002**	07.02	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities						Y	Y		No
07.03	**07.03**		Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	Y	Y	Y	Y	Y	w			No
07.03	**27.003**	07.03	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities						Y	Y		No
07.03	**27.103**	07.03	Wide Area Network Synchronization						Y	Y		No
07.03	**27.903**		Discussion of synchronization standards						Y	Y		No
07.04	**27.104**		vObjects and other constructs for data synchronization								Y	No
07.05	**07.05**		Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)		Y	Y	Y	Y				No
07.05	**27.005**	07.05	Use of Data Terminal Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)						Y	Y		No
07.06	**07.06**		Use of the V Series Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface at the Mobile Station (MS) for Mobile Termination (MT) configuration		w							Yes
07.07	**07.07**		AT Command set for GSM Mobile Equipment (ME)		Y	Y	Y	Y				No
07.07	**27.007**	07.07	AT command set for 3G User Equipment (UE)						Y	Y		No
07.08	**07.08**		GSM Application Programming Interface			Y			w			No
07.10	**07.10**		Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol				Y	Y				No
07.10	**27.010**	07.10	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)						Y	Y		No
07.26	**27.226**		Global Text telephony;Terminal aspects								Y	No
07.57	**07.57**		Mobile Station Application Execution Environment (MExE); Stage 3			w						Yes

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
07.60	**07.60**		General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS			Y	Y	Y				No
07.60	**27.060**	07.60	GPRS Mobile Stations supporting GPRS						Y	Y		No
08.01	**08.01**		General Aspects on the BSS-MSC Interface	Y	Y	Y	Y	Y	Y			No
08.01	**48.001**	08.01	General Aspects on the BSS-MSC Interface							Y		No
08.02	**08.02**		Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	Y	Y	Y	Y	Y	Y			No
08.02	**48.002**	08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles							Y		No
08.04	**08.04**		Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	Y	Y	Y	Y	Y	Y			No
08.04	**48.004**	08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification							Y		No
08.06	**08.06**		Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	Y	Y	Y	Y	Y	Y			No
08.06	**48.006**	08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface							Y		No
08.08	**08.08**		Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	Y	Y	Y	Y	Y	Y			No
08.08	**48.008**	08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification							Y	Y	No
08.14	**08.14**		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1				Y	Y	Y			No
08.14	**48.014**	08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1							Y		No
08.16	**08.16**		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service				Y	Y	Y			No
08.16	**48.016**	08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service							Y		No
08.18	**08.18**		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol				Y	Y	Y			No
08.18	**48.018**	08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol							Y		No
08.20	**08.20**		Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	Y	Y	Y	Y	Y	Y			No
08.20	**28.020**	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							Y		No
08.20	**48.020**	08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							Y		No
08.31	**08.31**		Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification					Y	Y			No
08.31	**48.031**	08.31	Location Services LCS: Serving Mobile Location Centre - Serving Mobile Location Centre (SMLC - SMLC); SMLCPP specification							Y		No
08.51	**08.51**		Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	Y	Y	Y	Y	Y	Y			No
08.51	**48.051**	08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects							Y		No
08.52	**08.52**		Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	Y	Y	Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
08.52	**48.052**	08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles							Y		No
08.54	**08.54**		BSC-BTS : Layer 1 Structure of Physical Circuits	Y	Y	Y	Y	Y	Y			No
08.54	**48.054**	08.54	BSC-BTS : Layer 1 Structure of Physical Circuits							Y		No
08.56	**08.56**		BSC-BTS Layer 2 Specification	Y	Y	Y	Y	Y	Y			No
08.56	**48.056**	08.56	BSC-BTS Layer 2 Specification							Y		No
08.58	**08.58**		Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	Y	Y	Y	Y	Y	Y			No
08.58	**48.058**	08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification							Y	Y	No
08.59	**08.59**		BSC-BTS O&M Signalling Transport	Y	w							No
08.60	**08.60**		Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	Y	Y	Y	Y	Y	Y			No
08.60	**48.060**	08.60	In-band control of remote transcoders and rate adaptors for full rate traffic channels							Y		No
08.61	**08.61**		Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)		Y	Y	Y	Y	Y			No
08.61	**48.061**	08.61	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)							Y		No
08.62	**08.62**		Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3					Y	Y			No
08.62	**28.062**	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3						w	Y		No
08.62	**48.062**	08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3							w		Yes
08.64	**08.64**		GPRS support node - BSS protocol (SGSN_BSS) interface; BSSGP layer 3				w					Yes
08.71	**08.71**		Location services (LCS) SMLC-BSS interface L 3					Y	Y			No
08.71	**48.071**	08.71	Location services (LCS) SMLC-BSS interface L 3							Y		No
09.01	**09.01**		General Network Interworking Scenarios	Y	Y	Y	Y	Y	Y			No
09.01	**49.001**	09.01	General Network Interworking Scenarios							Y		No
09.02	**09.02**		Mobile Application Part (MAP) Specification	Y	Y	Y	Y	Y				No
09.02	**29.002**	09.02	Mobile Application Part (MAP)						Y	Y		No
09.02	**29.202**		SS7 signalling transport in Core Network; stage 3							Y		No
09.03	**09.03**		Signalling Requirements on Interworking between the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)	Y	Y	Y	Y	Y				No
09.03	**29.203**		Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)								w	Yes
09.03	**29.903**		Feasibility study on SS7 signalling transportation in the core network with SCCP-User Adaptation (SUA)								Y	No
09.04	**09.04**		Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	Y	Y	Y	Y	Y				No
09.04	**29.004**	09.04	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)						w			Yes
09.05	**09.05**		Interworking between the PLMN and the PSPDN for PAD Access	Y	Y	Y	Y	Y				No
09.05	**29.005**	09.05	Interworking between the Public Land Mobile Network (PLMN) and the Packet Switched Public Data Network (PSPDN) for Packet Assembly/Disassembly (PAD) facility access						w			Yes
09.05	**29.205**		Application of Q.1900 series to bearer-independent circuit-switched core network							Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
			architecture; Stage 3									
09.06	**09.06**		Interworking between a Public Land Mobile Network (PLMN) and a Packet Switched Public Data Network/Intergrated Services digital Network (PSPDN/ISDN) for Support of Packet Switched Data Transmission Services		Y	Y	Y	Y				No
09.06	**29.006**	09.06	Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services						w			Yes
09.07	**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)	Y	Y	Y	Y	Y	w			No
09.07	**29.007**	09.07	General requirements on Interworking between the PLMN and the ISDN or PSTN						Y	Y		No
09.07	**29.207**		End to end quality of service; stage 3								Y	No
09.08	**09.08**		Application of the Base Station System Application Part (BSSAP) on the E-Interface		Y	Y	Y	Y	Y			No
09.08	**29.108**	09.08	Application of the Radio Access Network Application Part (RANAP) on the E-interface						Y	Y		No
09.08	**49.008**	09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface							Y		No
09.09	**09.09**		Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN	Y								No
09.10	**09.10**		Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	Y	Y	Y	Y	Y				No
09.10	**29.010**	09.10	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)						Y	Y		No
09.11	**09.11**		Signalling Interworking for Supplementary Services	Y	Y	Y	Y	Y				No
09.11	**29.011**	09.11	Signalling Interworking for Supplementary Services						Y	Y		No
09.12	**09.12**		Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling		Y	w						No
09.13	**09.13**		Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols				Y	Y				No
09.13	**29.013**	09.13	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols						Y	Y		No
09.14	**09.14**		Application of ISUP Version 3 for the ISDN-PLMN (GSM) Signalling					Y	w			No
09.14	**29.414**		Core network Nb nata transport and transport signalling							Y		No
09.15	**29.415**		Core network Nb interface user plane protocols							Y		No
09.16	**09.16**		General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification				Y	Y				No
09.16	**29.016**	09.16	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification						Y	Y		No
09.18	**09.18**		General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification				Y	Y	w			No
09.18	**29.018**	09.18	Serving GPRS Support Node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification						Y	Y		No
09.19	**29.119**		GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)						Y	Y		No
09.20	**09.20**		Support of Shared Data Interworking Function			w						Yes
09.20	**29.120**	09.20	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); Stage 3						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
09.26	**29.226**		reserved								Y	No
09.28	**29.228**		IP Multimedia (IM) Subsystem Cx Interface; Signalling flows and message contents								Y	No
09.31	**09.31**		Location Services LCS Extension (BSSAP-LE)					Y	Y			No
09.31	**49.031**	09.31	Location Services LCS Extension (BSSAP-LE)							Y		No
09.32	**29.232**		Media gateway controller - media gateway interface; Stage 3							Y		No
09.60	**09.60**		General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface			w	Y	Y				No
09.60	**29.060**	09.60	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface						Y	Y		No
09.61	**09.61**		General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet				Y	Y				No
09.61	**29.061**	09.61	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet						Y	Y		No
09.62	**29.162**		Interworking between the IM CN subsystem and IP networks								Y	No
09.63	**29.163**		Interworking between the IM CN subsystem and CS networks								Y	No
09.78	**09.78**		CAMEL Application Part phase 2 (stage 3)			Y	Y	Y				No
09.78	**29.078**	09.78	Customised Applications for Mobile network Enhanced Logic (CAMEL) Phase 3; CAMEL Application Part (CAP) specification						Y	Y		No
09.90	**09.90**		Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)		Y	Y	w					No
09.91	**09.91**		Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2		Y							No
09.92	**09.92**		GSM Phase 1 Mobile Station interworking with Phase 2 Networks		w							Yes
09.94	**09.94**		Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults		Y	w	w					No
09.95	**09.95**		Interworking between modified PLMN supporting GPRS and legacy GPRS mobiles				Y	Y				No
09.98	**29.198**		Open Services Architecture API part 1						Y			No
09.98	**29.998**		Open Services Architecture API part 2						Y			No
09.98-01	**29.198-01**		Open Service Access (OSA) Application Programming Interface (API); Part 1: Overview							Y		No
09.98-01	**29.998-01**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 1: General Issues on API Mapping							Y		No
09.98-02	**29.198-02**		Open Service Access (OSA) Application Programming Interface (API); Part 2: Common data							Y		No
09.98-03	**29.198-03**		Open Service Access (OSA) Application Programming Interface (API); Part 3: Framework							Y		No
09.98-04	**29.198-04**		Open Service Access (OSA) Application Programming Interface (API); Part 4: Call control							Y		No
09.98-04-1	**29.998-04-1**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 1: API to CAP Mapping							Y		No
09.98-04-2	**29.998-04-2**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 4: Call Control Service Mapping; Subpart 2:								Y	No
09.98-05	**29.198-05**		Open Service Access (OSA) Application Programming Interface (API); Part 5: Generic user interaction							Y		No
09.98-05-1	**29.998-05-1**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 1: API to CAP Mapping							Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
09.98-05-2	**29.998-05-2**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 2:								Y	No
09.98-05-3	**29.998-05-3**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 3								Y	No
09.98-05-4	**29.998-05-4**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 5: User Interaction Service Mapping; Subpart 4: API to SMS Mapping							Y		No
09.98-06	**29.198-06**		Open Service Access (OSA) Application Programming Interface (API); Part 6: Mobility							Y		No
09.98-06	**29.998-06**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 6: User Location – User Status Service Mapping to MAP							Y		No
09.98-07	**29.198-07**		Open Service Access (OSA) Application Programming Interface (API); Part 7: Terminal capabilities							Y		No
09.98-08	**29.198-08**		Open Service Access (OSA) Application Programming Interface (API); Part 8: Data session control							Y		No
09.98-08	**29.998-08**		Open Service Access (OSA) Application Programming Interface (API) Mapping for Open Service Access; Part 8: Data Session Control Service Mapping to CAP							Y		No
09.98-09	**29.198-09**		Open Service Access (OSA) Application Programming Interface (API); Part 9: Generic messaging SCF								Y	No
09.98-10	**29.198-10**		Open Service Access (OSA) Application Programming Interface (API); Part 10: Connectivity manager SCF								Y	No
09.98-11	**29.198-11**		Open Service Access (OSA) Application Programming Interface (API); Part 11: Account management							Y		No
09.98-12	**29.198-12**		Open Service Access (OSA) Application Programming Interface (API); Part 12: Charging							Y		No
10.00	**10.00**		Digital Cellular Telecommunication System Feature Description			Y		Y				No
10.01	**30.801**		Overall Project Plan							w		Yes
10.02	**10.02**		Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+			Y	Y					No
10.02	**30.002**	10.02	Guidelines for the modification of the Mobile Application Part (MAP)							Y		Yes
10.02	**30.802**		Project plan on Bearer Services and QoS							w		Yes
10.04	**30.504**		Work Plan and Study Items - RAN WG4							Y		No
10.04	**30.804**		Project plan on GSM/UMTS Interoperation and Mobility Management							w		Yes
10.06	**30.806**		Project plan on Location based services							w		Yes
10.08	**30.808**		Project plan on Packet Architecture and Circuit Architecture							w		Yes
10.10	**30.810**		Project plan on Security							w		Yes
10.12	**30.812**		Project plan on Services and Service platforms							w		Yes
10.14	**10.14**		System Overview for 14.4 kbit/s Work Item			Y						No
10.17	**10.17**		General Packet Radio Service (GPRS); Charging in GPRS				w					Yes
10.20	**10.20**		Lawful Interception requirements for GSM			Y	w					Yes
10.31	**30.531**		Work Plan and Study Items - RAN WG3						Y			No
10.43	**10.43**		Support of Localised Service Area (SoLSA); Work Item Status						w			No
10.43	**50.043**	10.43	Support of Localised Service Area (SoLSA); Work Item Status							w		No
10.56	**10.56**		Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1					Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
10.56	**50.056**	10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1							w		No
10.57	**10.57**		Project scheduling and open issues: Mobile Station Execution Environment (MExE)					w	w			Yes
10.59	**10.59**		Project scheduling and open issues for EDGE						Y			No
10.59	**50.059**	10.59	Project scheduling and open issues for EDGE							Y		No
10.60	**10.60**		General Packet Radio Services (GPRS); Project Scheduling and Open Issues			w	w					No
10.66	**10.66**		Support of Mobile Number Portability (MNP); Project plan			w						No
10.68	**10.68**		Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)			Y						No
10.70	**10.70**		GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR					Y				No
10.71	**10.71**		Project scheduling and open issues:Location services (LCS)					w				No
10.78	**10.78**		Project scheduling and open issues: CAMEL					Y				No
10.87	**10.87**		User to User Signalling (UUS)					w				Yes
10.89	**10.89**		GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;						Y			No
10.89	**50.089**	10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;							w		No
10.94	**10.94**		Follow Me supplementary service					w				Yes
10.99	**10.99**		GERAN project plan and open issues									Yes
10.99	**50.099**	10.99	GERAN project plan and open issues							Y		No
11.00	**31.900**		SIM/USIM internal and external interworking aspects						Y			No
11.01	**11.01**		Mobile station type approval procedure principles (Candidate NET 10 part 1)	w								Yes
11.01	**31.101**	11.01	UICC-terminal interface; Physical and logical characteristics						w	Y		No
11.02	**31.102**		Characteristics of the USIM Application						Y	Y		No
11.10	**11.10**		Mobile Station Conformity Specification (DCS 1800)	Y								No
11.10	**31.110**	11.10	Numbering system for telecommunication IC card applications						Y	Y		No
11.10-1	**11.10-1**		Mobile station (MS) conformance specification; Part1: Conformance specification		Y	Y	Y	Y	Y			No
11.10-1	**51.010-1**	11.10-1	Conformance Specification							Y		No
11.10-2	**11.10-2**		Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification		Y				w			No
11.10-2	**51.010-2**	11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification							Y		No
11.10-3	**11.10-3**		Mobile Station (MS) Conformance Specification; Part 3: Layer3 (L3) Abstract Test Suite (ATS)		Y	Y			w			No
11.10-3	**51.010-3**	11.10-3	Layer3 (L3) Abstract Test Suite (ATS)							Y		No
11.10-4	**11.10-4**		Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification			Y			w			No
11.10-4	**51.010-4**	11.10-4	Mobile Station (MS) Conformance Specification; Part 4: SIM Application Toolkit conformance specification							Y		No
11.11	**11.11**		Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	Y	Y	Y	Y	Y	Y			No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
11.11	**31.111**	11.11	USIM Application Toolkit (USAT)						Y	Y		No
11.11	**51.011**	11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface							Y		No
11.12	**11.12**		Specification on the 3 Volt subscriber identity module Equipment (SIM-ME) Interface		Y	w						No
11.12	**31.112**	11.12	USAT Interpreter Architecture Description; Stage 2							Y		No
11.13	**11.13**		Test specification for SIM API for Java card					Y				No
11.13	**31.113**	11.13	USAT interpreter byte codes							Y		No
11.13	**51.013**	11.13	Test specification for SIM API for Java card							Y		No
11.14	**11.14**		Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit			Y	Y	Y	Y			No
11.14	**51.014**	11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit							w		Yes
11.16	**11.16**		Conformity Specifications for Transparent Facsimile Group 3 Adaptors		w							Yes
11.17	**11.17**		SIM test specification					Y	w			No
11.18	**11.18**		Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface					Y	w			No
11.19	**11.19**		CTS SIM Fixed Part					Y				No
11.20	**11.20**		GSM DCS 1800 Base Station Specification	w								No
11.20	**11.20**		GSM DCS 1800 Base Station Specification	Y								No
11.20	**31.120**	11.20	UICC-terminal interface; Physical, electrical and logical test specification						w			Yes
11.21	**11.21**		GSM Radio Aspects Base Station System Equipment Specification		Y	Y	w	Y	Y			No
11.21	**31.121**	11.21	UICC-terminal interface; USIM application test specification						Y	Y		No
11.21	**51.021**	11.21	GSM Radio Aspects Base Station System Equipment Specification							Y		No
11.22	**11.22**		GSM Base Station and Ancillary Equipment, Physical and Electronical Parameters, Application of Standards and Guidance Notes		Y							No
11.22	**31.122**	11.22	USIM conformance test specification						Y	Y		No
11.23	**11.23**		GSM Signalling Aspects Base Station System equipment Specification		Y							No
11.24	**11.24**		GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification		Y							No
11.25	**11.25**		The GSM Base Station System (BSS) Equipment specification Half-rate speech		w							Yes
11.26	**11.26**		GSM Repeater Equipment Specification		Y	Y			Y			No
11.26	**51.026**	11.26	GSM Repeater Equipment Specification							Y		No
11.30	**11.30**		Mobile Services Switching Centre	Y								No
11.31	**11.31**		Home Location Register Specification	Y								No
11.32	**11.32**		Visitor Location Register Specification	Y								No
11.40	**11.40**		DCS 1800 System Simulator Conformity Specification	Y								No
11.56	**11.56**		CTS phase 1, CTS Fixed Part Tests				w					Yes
12.00	**12.00**		Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management		Y							No
12.00	**32.300**		Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects								Y	No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
12.00	**32.600**		Telecommunication Management; Configuration Management; 3G configuration management; Concept and main requirements								Y	No
12.00	**32.800**		Management level procedures and interaction with UTRAN							Y		No
12.01	**12.01**		Common Aspects of Public Land Mobile Network (PLMN) Management		Y							No
12.01	**32.101**	12.01	3G Telecom Management principles and high level requirements						Y	Y		No
12.01	**32.801**		Performance management								Y	No
12.01-1	**32.301-1**		Telecommunication Management; Configuration Management; Notification IRP: requirements								Y	No
12.01-1	**32.601-1**		Telecommunication Management; Configuration Management; Part 1: Basic CM IRP: requirements								Y	No
12.01-2	**32.301-2**		Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1								Y	No
12.01-2	**32.601-2**		Telecommunication Management; Configuration Management; Part 2: Basic configuration management IRP information model								Y	No
12.01-3	**32.301-3**		Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1								Y	No
12.01-3	**32.601-3**		Telecommunication Management; Configuration Management; Part 3: Basic configuration management IRP: CORBA solution set								Y	No
12.01-4	**32.301-4**		Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1								Y	No
12.01-4	**32.601-4**		Telecommunication Management; Configuration Management; Part 4: Basic configuration management IRP CMIP solution set								Y	No
12.02	**12.02**		Subscriber, Mobile Equipment (ME) and Services Data Administration		Y	Y						No
12.02	**32.102**	12.02	3G Telecom Management Architecture						Y	Y		No
12.03	**12.03**		Security Management		Y			Y	Y			No
12.04	**12.04**		Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)		Y			Y	Y			No
12.04	**32.104**	12.04	3G Performance Management						Y	Y		No
12.05	**12.05**		Subscriber Related Call and Event Data		Y	Y	Y	Y				No
12.05	**32.005**	12.05	Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain						Y			No
12.05	**32.105**	12.05	3G charging and billing; Stage 2 description							Y		No
12.05	**32.205**		3G charging data description for the CS domain							Y		No
12.06	**12.06**		Network Configuration Management and Administration		Y							No
12.06	**32.106**	12.06	3G Configuration Management						w			Yes
12.06-1	**32.106-1**		Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements						Y	Y		No
12.06-2	**32.106-2**		Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1						Y	Y		No
12.06-3	**32.106-3**		Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1						Y	Y		No
12.06-4	**32.106-4**		Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
12.06-5	**32.106-5**		Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1						Y	Y		No
12.06-6	**32.106-6**		Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1						Y	Y		No
12.06-7	**32.106-7**		Telecommunication Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1						Y	Y		No
12.06-8	**32.106-8**		Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects						Y	Y		No
12.07	**12.07**		Public Land Mobile Network (PLMN) Quality of Service	w								Yes
12.08	**12.08**		Subscriber and Equipment trace		Y	Y						No
12.08	**32.008**	12.08	Subscriber and Equipment trace						w			Yes
12.11	**12.11**		Fault management of the Base Station System (BSS)		Y		Y					No
12.11	**32.111**	12.11	3G Fault Management						w	Y		Yes
12.11-1	**32.111-1**		Telecommunication Management; Fault Management; Part 1: 3G fault management requirements						Y	Y		No
12.11-2	**32.111-2**		Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service						Y	Y		No
12.11-3	**32.111-3**		Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1						Y	Y		No
12.11-4	**32.111-4**		Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set						Y	Y		No
12.15	**12.15**		General Packet Radio Service (GPRS); GPRS Charging				Y	Y				No
12.15	**32.015**	12.15	Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain						Y			No
12.20	**12.20**		Base Station System (BSS) Management Information		Y							No
12.20-1	**32.620-1**		Telecommunication Management; Configuration Management; Part 1: Generic network resources IRP: requirements								Y	No
12.20-2	**32.620-2**		Telecommunication Management; Configuration Management; Part 2: Generic network resources IRP: NRM								Y	No
12.20-3	**32.620-3**		Telecommunication Management; Configuration Management; Part 3: Generic network resources IRP: CORBA solution set								Y	No
12.20-4	**32.620-4**		Telecommunication Management; Configuration Management; Part 4: Generic network resources: IRP CMIP solution set								Y	No
12.21	**12.21**		Network Management (NM) Procedures and Messages on the A-bis Interface		Y	Y						No
12.21-1	**32.621-1**		Telecommunication Management; Configuration Management; Part 1: Core network resources IRP: requirements								Y	No
12.21-2	**32.621-2**		Telecommunication Management; Configuration Management; Core Network Resources IRP: NRM								Y	No
12.21-3	**32.621-3**		Telecommunication Management; Configuration Management; Part 3: Core network resources IRP: CORBA solution set								Y	No
12.21-4	**32.621-4**		Telecommunication Management; Configuration Management; Part 4: Core network resources IRP: CMIP solution set								Y	No
12.22	**12.22**		Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)		Y							No
12.22-1	**32.622-1**		Telecommunication Management; Configuration Management; Part 1: UTRAN network								Y	No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
			resources IRP: requirements									
12.22-2	**32.622-2**		Telecommunication Management; Configuration Management; Part 2: UTRAN network resources IRP: NRM								Y	No
12.22-3	**32.622-3**		Telecommunication Management; Configuration Management; Part 3: UTRAN network resources IRP: CORBA solution set								Y	No
12.22-4	**32.622-4**		Telecommunication Management; Configuration Management; Part 4: UTRAN network resources IRP: CMIP solution set								Y	No
12.23-1	**32.623-1**		Telecommunication Management; Configuration Management; Part 1: GERAN network resources IRP: requirements								Y	No
12.23-2	**32.623-2**		Telecommunication Management; Configuration Management; Part 2: GERAN network resources IRP: NRM								Y	No
12.23-3	**32.623-3**		Telecommunication Management; Configuration Management; Part 3: GERAN network resources IRP: CORBA solution set								Y	No
12.23-4	**32.623-4**		Telecommunication Management; Configuration Management; Part 4: GERAN network resources IRP: CMIP solution set								Y	No
12.30	**12.30**		ETSI Object Identifier Tree; Mobile Domain O&M		Y							No
12.40	**32.140**		3G Service Management Requirements & Framework							Y		No
12.71	**12.71**		Location Services (LCS); Location services management					Y	Y			No
12.71	**52.071**	12.71	Location Services (LCS); Location services management							Y		No
13.00	**33.200**		Network Domain Security - MAP							Y		No
13.00	**33.800**		Principles for Network Domain Security							Y	Y	No
13.00	**33.900**		Guide to 3G security						Y	Y		No
13.01	**13.01**		Attachment requirements for Global System for Mobile communications (GSM); Part 1: Mobile stations in the GSM 900 and DCS 1 800 bands; Access		Y							No
13.01	**33.201**		Access domain security								Y	No
13.01	**33.901**		Criteria for cryptographic Algorithm design process						Y	Y		No
13.01-1	**13.01-1**		Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access		Y							No
13.01-2	**13.01-2**		Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access		Y							No
13.02	**13.02**		Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access		Y							No
13.02	**33.102**	13.02	Security Architecture						Y	Y		No
13.02	**33.902**		Formal Analysis of the 3G Authentication Protocol						Y	Y		No
13.02-1	**13.02-1**		Attachment requirements; Telephony		w							Yes
13.02-2	**13.02-2**		Attachment requirements (CDCS 1800); Telephony		w							Yes
13.03	**33.103**		Security Integration Guidelines						Y	Y		No
13.03	**33.203**		Access Security for IP based services								Y	No
13.03	**33.903**		Access Security for IP based services							Y	Y	No
13.04	**33.904**		Report on the Evaluation of 3GPP Standard Confidentiality and Integrity Algorithms							Y		No
13.05	**33.105**		Cryptographic Algorithm requirements						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
13.06	**33.106**		Lawful interception requirements						Y	Y	Y	No
13.07	**33.107**		Lawful interception architecture and functions						Y	Y		No
13.08	**33.108**		Lawful Interception; Interface between core network and law agency equipment								Y	No
13.08	**33.908**		Security Algorithms Group of Experts (SAGE); General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms						Y	Y		No
13.09	**33.909**		ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms						Y	Y		No
13.10	**33.210**		Network Domain Security - IP								Y	No
13.11	**13.11**		Mobiles stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE Directive					Y				No
13.20	**33.120**		Security Objectives and Principles						Y	Y		No
13.21	**13.21**		Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive					Y	Y			No
13.34	**13.34**		Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) Multislot Mobile Stations; Access			Y						No
13.55	**13.55**		Attachment requirements for Cordless Telephony System Fixed Part (CTS-FP); Access			w						Yes
13.56	**13.56**		Cordless Telephony System Mobile Stations (CTS-MS); Access			w						No
13.57	**13.57**		unknown			w						Yes
13.59	**13.59**		Enhanced Data rates for GSM Evolution (EDGE) Mobile Stations; Access			w						Yes
13.60	**13.60**		Attachment requirements for Global System for Mobile communications (GSM); General Packet Radio Service (GPRS); Mobile stations; Access			w						Yes
13.67	**13.67**		Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access			Y						No
13.68	**13.68**		Attachment requirements for Global System for Mobile communications (GSM); Advanced Speech Call Items (GSM-ASCI) Mobile Stations; Access			Y						No
14.07	**34.907**		Report on electrical safety requirements and regulations						Y			No
14.08	**34.108**		Common Test Environments for User Equipment (UE) Conformance Testing						Y	Y		No
14.09	**34.109**		Logical Test Interface (TDD and FDD)						Y	Y		No
14.10	**34.910**		Conformance Test specifications – Relevant for Regulatory use							Y		No
14.21	**34.121**		Terminal Conformance Specification, Radio Transmission and Reception (FDD)						Y	Y		No
14.22	**34.122**		Terminal Conformance Specification, Radio Transmission and Reception (TDD)						Y	Y		No
14.23-1	**34.123-1**		UE Conformance Specification, Part 1 – Conformance specification						Y	Y		No
14.23-2	**34.123-2**		UE Conformance Specification, Part 2 – ICS						Y	Y		No
14.23-3	**34.123-3**		UE conformance specification; Part 3: Abstract test suites						Y	Y		No
14.24	**34.124**		Electromagnetic compatibility (EMC) requirements for Mobile terminals and ancillary equipment						Y	Y		No
14.25	**34.925**		Specific Absorption Rate (SAR) requirements and regulations in different regions						Y			No
14.26	**34.926**		Table of International EMC requirements							Y		No
15.01	**35.201**		Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications						Y	Y		No

index	Number	progenitor	Title	Ph1	Ph2	R96	R97	R98	R99	Rel-4	Rel-5	stopped
15.02	**35.202**		Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification						Y	Y		No
15.03	**35.203**		Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data						Y	Y		No
15.04	**35.204**		Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data						Y	Y		No
15.05	**35.205**		3G Security; Specification of the MILENAGE Algorithm Set: An example algorithm set for the 3GPP authentication and key generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 1: General						w	Y		No
15.06	**35.206**		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 2: Algorithm specification						w	Y		No
15.07	**35.207**		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 3: Implementors' test data						w	Y		No
15.08	**35.208**		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 4: Design conformance test data						w	Y		No
15.09	**35.209**		3G Security; Specification of the MILENAGE algorithm set: An example algorithm Set for the 3GPP Authentication and Key Generation functions f1, f1*, f2, f3, f4, f5 and f5*; Document 5: Summary and results of design and evaluation						w			No
15.09	**35.909**		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							Y		No

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