

**Technical Specification Group Core Network
Meeting #12, Stockholm, 13 - 15 June 2001**

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**Technical Specification Group Radio Access Network
Meeting #12, Stockholm, 12 - 15 June 2001**

TSGR#12(01)0449

**Technical Specification Group Terminals
Meeting #12, Stockholm, 13 - 15 June 2001**

TSGT#12(01)0142

**Technical Specification Group Services and System Aspects
Meeting #12, Stockholm, 18 - 21 June 2001**

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Agenda Item: **CN: 11**
RAN: 12
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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 A "w" indicates that the Release version did at one time exist, or was anticipated, but that it has been withdrawn.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

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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

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02.92	02.92		Call Forward Enhancements (CFE) - Stage 1 description			w						Yes
02.93	02.93		Completion of Calls to Busy Subscriber (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

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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 Release 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

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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-point (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

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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 Controller (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

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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		Routing of Calls to/from Public Data Networks (PDN)	Y	Y	Y	Y	Y				No
03.70	23.070	03.70	Routing 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

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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

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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

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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

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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 (SNDCCP)			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 (SNDCCP)						w			Yes
04.65	44.065	04.65	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)							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

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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

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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

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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

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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 access 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

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05.50	25.450		UTRAN Iu-PS interface general aspects and principles								Y	No
05.50	25.850		UE positioning in UTRAN Iu-PS 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 Iu-PS 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 Iu-PS 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 Iu-PS 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								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

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06.02	26.102	06.02	AMR speech Codec; Interface to lu and Uu						Y	Y		No
06.02	26.202		AMR speech codec, wideband; Interface to lu 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

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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							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 enhanced full rate speech traffic channels		Y	Y	Y	Y	Y			No

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06.61	46.061	06.61	Substitution and muting of lost frames for enhanced 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 performance characterisation					Y				No
06.75	26.075	06.75	AMR speech Codec; Performance Characterization 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 Suppressor Application to the AMR Speech Encoder						Y			No
06.77	26.077	06.77	Minimum Performance Requirements for Noise Suppressor 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 enhanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.81	46.081	06.81	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels							Y		No
06.82	06.82		Voice Activity Detection (VAD) for enhanced full rate speech traffic channels		Y	Y	Y	Y	Y			No
06.82	46.082	06.82	Voice Activity Detection (VAD) for enhanced 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

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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

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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

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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

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			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

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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 (GTP) 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

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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

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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

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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

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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

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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

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			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

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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

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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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