

Source: **MCC**
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Title: **3GPP specifications status list prior to TSG SA #9**

Document for: **information**

Agenda Item: **9**

Note that the specifications list now includes the GSM specifications inherited from ETSI TC-SMG. The allocation of inherited GSM specifications to TSGs and WGs is based on that presented at TSG-SA#8. No corrections were offered to MCC by the deadline.

The present table does not show the status changes resulting from the recent GERAN, CN, RAN and T meetings; these will be included in an update of this document which will be made available before the end of the present SA meeting.

The status list is now ordered by Release (in descending order) then specification number. This is intended to give a clearer presentation, with specifications of lower interest appearing towards the end of the table.

Type	Number	Title	Rel	current vers	frozen	available	WG prime	WG other	rappporteur	rapp org	MCC support	general remarks	version remarks	UMTS	comm on to GSM
TR	30.504	Work Plan and Study Items - RAN WG4	<?>	2.2.0	Mar 00	Yes	R4	-	IWASA, Masaaki	MOTOROLA JAPAN LTD	GUTIERREZ MIGUELEZ, Cesar	.	.	Yes	N
TR	30.801	Overall Project Plan	<?>	1.1.0	Mar 00	Yes	S2	-	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain	.	.	Yes	N
TR	30.802	Project plan on Bearer Services and QoS	<?>	1.0.0	Mar 00	Yes	S2	-	LOPEZ-TORRES, Oscar	Deutsche Telekom MobilNet GmbH	SULTAN, Alain	.	.	Yes	N
TR	30.804	Project plan on GSM/UMTS Interoperation and Mobility Management	<?>	1.0.0	Mar 00	Yes	S2	-	COURAU, François	ALCATEL France	SULTAN, Alain	.	.	Yes	N
TR	30.806	Project plan on Location based services	<?>	1.0.0	Mar 00	Yes	S2	-	KÅLL, Jan	NOKIA Corporation	SULTAN, Alain	.	.	Yes	N
TR	30.808	Project plan on Packet Architecture and Circuit Architecture	<?>	1.0.0	Mar 00	Yes	S2	-	DROPMANN, Ulrich	SIEMENS AG	SULTAN, Alain	.	.	Yes	N
TR	30.810	Project plan on Security	<?>	1.0.0	Mar 00	Yes	S2	-	PUDNEY, Chris	VODAFONE Group Plc	SULTAN, Alain	.	.	Yes	N
TR	30.812	Project plan on Services and Service platforms	<?>	1.0.0	Mar 00	Yes	S2	-	SCHMERSEL, Rob	ERICSSON L.M. Telefonaktiebolaget	SULTAN, Alain	.	.	Yes	N
TS	21.102	3rd Generation mobile system Release 2000 Specifications	R2000	1.0.0	Dec 00	Yes	SP	-	MEREDITH, John M	ETSI Secretariat	POPE, Maurice	.	TSG#8:1.0.0	Yes	N
TR	21.801	3GPP drafting rules	R2000	4.0.0	Jun 00	Yes	SP	-	MEREDITH, John M	ETSI Secretariat	POPE, Maurice	.	Formal doc created after TSG#7. (Was briefly 21.200) TSG#8:4.0.0 (1.0.1)	Yes	Ye
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	R2000	4.0.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#5	TSG#7: 4.0.0	Yes	Ye
TS	22.011	Service accessibility	R2000	4.1.0	Oct 99	Yes	S1	-	GALLAIRE, Jean Paul	France Telecom R&D	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 4.0.0 TSG#8:4.1.0	Yes	Ye
TS	22.053	Tandem Free Operation of speech codecs; Stage 1 service description	R2000	0.1.1	tbd	Yes	S4	-	...		USAI, Paolino	Transfer>TSG#4	.	Yes	Ye
TS	22.060	General Packet Radio Service (GPRS); Stage 1	R2000	4.1.0	Oct 99	Yes	S1	-	CARPENTER, Paul	Lucent Technologies Network Systems UK	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 4.0.0 TSG#8:4.1.0	Yes	Ye
TS	22.071	Location Services (LCS); Stage 1	R2000	4.0.0	Oct 99	Yes	S1	-	WOHLERT, Randolph	PACIFIC BELL WIRELESS	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	based on 3.2.0 TSG#8:4.0.0	Yes	Ye

TS	22.101	UMTS Service principles	R2000	4.0.0	April 99	Yes	S1	-	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael		based on 3.9.0 TSG#8:4.0.0	Yes	N
TS	22.127	Service Requirement for the Open Services Access (OSA) - stage 1	R2000	0.0.0	Dec 00	No	S1	-	SWETINA, Jörg	SIEMENS AG	CLAYTON, Michael			Yes	N
TS	22.140	Multimedia Messaging Service Stage 1	R2000	4.0.1	Dec 99	Yes	S1	-	LAUMEN, Josef	ROBERT BOSCH GmbH	CLAYTON, Michael	(development in T2)	based on 3.0.0 TSG#8:4.0.0	Yes	N
TS	22.226	Global text telephony; stage 1: Service description	R2000	0.0.0	Dec 00	No	S1	-	HELLSTROM, Gunnar	The Swedish Handicap Institute	CLAYTON, Michael		WI approved TSG#7	Yes	N
TS	22.228	IP multimedia subsystem; stage 1	R2000	0.0.0		No	S1		CATALDO, Mark	MOTOROLA Ltd	CLAYTON, Michael			Yes	N
TR	22.976	Study on PS domain services and capabilities	R2000	2.0.0	Dec 00	Yes	S1	-	CATALDO, Mark	MOTOROLA Ltd	CLAYTON, Michael	Created Jan-00	TSG#7:(SP-000073) 1.0.0 TSG#8:2.0.0	Yes	N
TS	23.038	Alphabets & Language	R2000	4.0.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		based on 3.3.0 TSG#8:4.0.0	Yes	Ye
TS	23.040	Technical realisation of Short Message Service	R2000	4.0.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		based on 3.4.0 TSG#8:4.0.0	Yes	Ye
TS	23.146	Technical realisation of facsimile Group 3 service - non-transparent	R2000	4.0.0	Mar 00	Yes	N3	-	HAGIWARA, Junichiro	NTT DoCoMo Inc.	BOSWARTHICK, David		New @ TSG#6, Circuit switched type of Real time Non transparent FAX specification. TSG#7:1.1.0 "but not stable enough to be made available"! N3#10: 2.0.0 TSG#8:4.0.0 (2.0.0)	Yes	N
TS	23.226	Global text telephony; stage 2: Architecture	R2000	0.0.0	Dec 00	No	N4	-	HELLSTROM, Gunnar	The Swedish Handicap Institute	SETTIMO, Franco		WI approved TSG#7	Yes	N
TS	23.227	Terminal local model	R2000	0.1.0		Yes	T2	-	GUSTAVSSON, Carl	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		.	Yes	N
TS	23.228	IP multimedia subsystem; stage 2	R2000	0.0.0	Dec 00	No	S2	-	DANIEL, Elizabeth	Lucent Technologies Network Systems UK	SULTAN, Alain			Yes	N
TS	23.271	Functional stage 2 description of location services	R2000	0.2.0	Dec 00	Yes	S2	-	KÅLL, Jan	NOKIA Corporation	SULTAN, Alain	post-TSG#8: Recombined 2G and 3G spec for R00 onwards.	post-TSG#8: Recombined 2G and 3G spec.	Yes	N
TR	23.821	Architecture Principles for Release 2000	R2000	1.0.1	Jun 00	Yes	S2	-	LIND, Christer	TELIA AB	SULTAN, Alain	New after TSG#5	TSG#8:1.0.0	Yes	N

TR	23.873	Feasibility study fro transport and control separation in the PS CN domain	R2000	0.2.0	Dec 00	Yes	S2	-	IBANEZ, Juan-Antonio	ERICSSON Eurolab Deutschland GmbH	SULTAN, Alain			Yes	N
TR	23.874	Feasibility study of architecture for network requested PDP context activation with User-ID	R2000	0.0.0	Dec 00	No	S2	-	KITADA, Yoshinori	NTT Communications Ware Corporation	SULTAN, Alain			Yes	N
TS	24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	R2000	4.0.0		No	N1	-	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.		Yes	Ye
TS	25.106	UTRA Repeater; Radio transmission and reception	R2000	0.0.1		Yes	R4	-	NILSSON, Martin	ALLGON AB	GUTIERREZ MIGUELEZ, Cesar			Yes	N
TS	25.143	UTRA Repeater; Conformance testing	R2000	0.0.0		No	R4	-	NILSSON, Martin	ALLGON AB	GUTIERREZ MIGUELEZ, Cesar	Created by renumbering 25.107	Was to have been 25.107. But never was.	Yes	N
TR	25.834	UTRA TDD low chip rate option; Radio protocol aspects	R2000	0.0.0	Dec 00	No	R2	-			VAN DER VEEN, Hans			Yes	N
TR	25.835	Report on hybrid ARQ type II/III	R2000	0.0.0	Dec 00	No	R2	-	SITTE, Armin	SIEMENS AG	VAN DER VEEN, Hans			Yes	N
TR	25.836	Node B synchronization for TDD	R2000	0.0.0	Mar 01	No	R1	-	OESTREICH, Stefan	SIEMENS AG	IKEDA, Shinobu			Yes	N
TR	25.837	Hybrid ARQ Type II/III (lub/lur aspects)	R2000	0.0.0		No	R3	-	BRANDT, Achim V.	SIEMENS AG	TAYLOR, Carolyn			Yes	N
TR	25.838	Node B Synchronisation for TDD (lub/lur aspects)	R2000	0.0.0		No	R3	-	LENHART, Johannes	SIEMENS AG	TAYLOR, Carolyn			Yes	N
TR	25.839	Uplink Synchronous Transmission Scheme (USTS) (lur/lub aspects)	R2000	0.0.0		No	R3	-	PARK, Jin Hyo	SK TELECOM	TAYLOR, Carolyn			Yes	N
TR	25.840	Terminal power saving features	R2000	0.0.0	Dec 00	No	R1	-	CHOI, Hokyuu	Samsung Electronics Ind. Co., Ltd.	IKEDA, Shinobu			Yes	N
TR	25.841	DSCH power control improvement in soft handover	R2000	0.0.0	Dec 00	No	R1	-	TOSKALA, Antti	NOKIA Corporation	IKEDA, Shinobu			Yes	N
TR	25.842	Smart antenna	R2000	0.0.0	Dec 00	No	R1	-	HU, Jinling	CATT	IKEDA, Shinobu			No	N
TR	25.843	1.28 Mcps TDD UE Radio Access Capabilities	R2000	0.0.1	Dec 00	Yes	R2	-	ZHU, Yifei	CATT	VAN DER VEEN, Hans			Yes	N
TR	25.844	Radio Acces Bearer Support Enhancements	R2000	0.0.0	Dec 00	Yes	R2	-	KRISHNARAJAH, Ainkaran	Ericsson Radio System AB	VAN DER VEEN, Hans			Yes	N
TR	25.845	FDD RACH and AICH performance requirements	R2000	0.0.0	Dec 00	No	R4	-	VIHRIÄLÄ, Jaakko	NOKIA Corporation	GUTIERREZ MIGUELEZ, Cesar			Yes	N
TR	25.924	Opportunity Driven Multiple Access (ODMA)	R2000	1.0.0	Mar 00	Yes	R2	-	LAW, Alan	VODAFONE Group Plc	VAN DER VEEN, Hans			Yes	N
TR	25.928	1,28Mcps UTRA TDD	R2000	1.0.0	Jun 00	No	R1	-	AKSENTIJEVIC,	NOKIA	IKEDA, Shinobu	Created R1#10,	anticipated	Yes	N

		Physical Layer							Mirko	Corporation		Jan 99.	TSG#8; TSG#7:0.0.2 (RP-000091) 0.0.3 (RP- 000158) 0.0.3 TSG#8:1.0.0 (0.2.0)		
TR	25.932	Delay budget within the access stratum	R2000	1.0.0	Dec 00	Yes	R3	-	...		TAYLOR, Carolyn		TSG#8:1.0.0	Yes	N
TR	25.933	IP Transport in UTRAN	R2000	0.0.0	Dec 00	No	R3	-	...		TAYLOR, Carolyn		.	Yes	N
TR	25.934	AAL2 QoS optimization	R2000	0.0.0	Dec 00	No	R3	-	...		TAYLOR, Carolyn		.	Yes	N
TR	25.935	RRM optimisation	R2000	0.0.0	Dec 00	No	R3	-	VAN LIESHOUT, Gert-Jan	ERICSSON BUSINESS MOBILE NETWORK SB.V.	TAYLOR, Carolyn			Yes	N
TR	25.936	Handover for realtime services from PS-domain	R2000	0.0.0	Dec 00	No	R3	-	LANSISALMI, Atte	NOKIA Corporation	TAYLOR, Carolyn			Yes	N
TR	25.937	UTRAN TDD low chiprate	R2000	0.0.0	Dec 00	No	R3	-			TAYLOR, Carolyn		TSG#9:0.1.1	Yes	N
TR	25.938	Terminal power saving features	R2000	0.0.0	Dec 00	No	R3	-	CHOI, Sungho	Samsung Electronics Ind. Co., Ltd.	TAYLOR, Carolyn			Yes	N
TR	25.945	RF requirements for low chip rate TDD option	R2000	0.0.0	Dec 00	No	R4	-	ZHANG, Daijun	CATT	GUTIERREZ MIGUELEZ, Cesar		.	Yes	N
TR	25.946	RAB Quality of Service Negotiation over lu	R2000	0.0.0		No	R3	-	MOLANDER, Anders	Ericsson Radio System AB	TAYLOR, Carolyn			Yes	N
TR	25.950	UTRA high speed downlink packet access	R2000	0.0.0	Dec 00	No	R2	-	KUCHIBHOTLA, Ravi	MOTOROLA Ltd	VAN DER VEEN, Hans			Yes	N
TR	25.951	BS classification (FDD)	R2000	0.0.0	Mar 01	No	R4	-	JOKINEN, Sami	NOKIA TELECOMMUNICATIONS FINLAND	GUTIERREZ MIGUELEZ, Cesar			Yes	N
TR	25.952	BS classification (TDD)	R2000	0.0.0	Mar 01	No	R4	-	ZEIRA, Eldad	INTERDIGITAL COMMUNICATIONS CORPORATION	GUTIERREZ MIGUELEZ, Cesar			Yes	N
TS	26.226	Global text telephony; Transport of text in the voice channel	R2000	0.0.0	Dec 00	No	S4	-	HELLSTROM, Gunnar	The Swedish Handicap Institute	USAI, Paolino		WI approved TSG#7	Yes	N
TR	26.901	AMR Wideband Speech Codec Feasibility Study Report	R2000	4.0.1	Mar 00	Yes	S4	-	OHANA, Alain	Bellsouth Cellular	USAI, Paolino		TSG#7:2.0.0 (SP-000024), 4.0.0	Yes	N
TR	26.920	Architectural Model for the 3G Transcoders	R2000	0.1.1	tbd	Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		.	Yes	N
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	R2000	0.0.0		No	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		TSG#8:4.0.0	Yes	Ye
TS	27.007	AT command set for 3G User Equipment (UE)	R2000	0.0.0	Jun 99	No	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		TSG#8:3.5.0	Yes	Ye

TS	27.226	Global Text telephony; Terminal aspects	R2000	0.0.0	Dec 00	No	T2	-	HELLSTROM, Gunnar	The Swedish Handicap Institute	RODERMUND, Friedhelm		WI approved TSG#7	Yes	N
TS	28.062	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	R2000	0.0.0	Jun 00	No	S4	-	...		USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	29.002	Mobile Application Part (MAP)	R2000	4.0.2	April 99	No	N4	-	...		SETTIMO, Franco		TSG#8:4.0.0	Yes	Ye
TS	32.140	3G Service Management Requirements & Framework	R2000	0.1.0		Yes	S5	-	CARYER, Geoffrey	BT	ZOICAS, Adrian		TSG#8:0.1.0 but associated WI not approved.	Yes	N
TR	34.910	Conformance Test specifications – Relevant for Regulatory use	R2000	0.0.1	Mar 01	Yes	T1	-	NIELSEN, Bjarke	QUALCOMM EUROPE S.A.R.L.	SALMERON, Lidia		.	Yes	N
TR	34.926	Table of International EMC requirements	R2000	0.0.0	Jun 00	No	T1	-	FENN, John B	SAMSUNG Electronics Research Institute	SALMERON, Lidia	Plan approved TSG#7 TP-000036).	TP-000138	Yes	N
	41.001	GSM R99 Specification set	R2000	0.0.0		No	GP	-	COURAU, François	ALCATEL France	USAI, Paolino		info at #30 Alignment with 21.101: 1.1.0. Aprvl expected SMG#31b; or #32 ... #32:2.0.0 -> 8.0.0	No	N
	41.004	Abbreviations and Acronyms	R2000	0.0.0		No	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino		.	No	N
	41.031	Fraud Information Gathering System (FIGS); Service requirements - Stage 0	R2000	0.0.0		No	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N
	41.033	Lawful Interception requirements for GSM	R2000	0.0.0		No	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice		.	No	N
	41.061	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	R2000	0.0.0		No	S3	-	...		POPE, Maurice		.	No	N
	42.009	Security Aspects	R2000	0.0.0		No	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		.	No	N
	42.017	Subscriber Identity Modules, Functional Characteristics	R2000	0.0.0		No	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael		7.1.0 #30: 8.0.0	No	N
	42.019	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	R2000	0.0.0		No	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael	SMG9->T3@#31	.	No	N
	42.031	Fraud Information Gathering System (FIGS) Service description - Stage 1	R2000	0.0.0		No	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N
	42.032	Immediate Service	R2000	0.0.0		No	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N

		Termination (IST); Service description - Stage 1													
	42.033	Lawful Interception - Stage 1	R2000	0.0.0		No	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice			No	N
	42.048	Security mechanisms for the SIM Application Toolkit; Stage 1	R2000	0.0.0		No	T3	S3	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31		No	N
	42.056	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	R2000	0.0.0		No	S1	-	GALLIGO, Michel	ALCATEL France	CLAYTON, Michael			No	N
TS	42.068	Voice Group Call Service (VGCS) - Stage 1	R2000	4.0.0		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#32:9.0.0 (based on CR to 8.0.0)	No	N
TS	42.069	Voice Broadcast Service (VBS) - Stage 1	R2000	4.0.0		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#32:9.0.0 (based on CR to 8.0.0)	No	N
	42.094	Follow Me Service description - Stage 1	R2000	0.0.0		No	S1	-	...		CLAYTON, Michael		#28: 1.0.0 #30: 8.0.0	No	N
	42.095	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	R2000	0.0.0		No	S1	-	...		CLAYTON, Michael			No	N
	43.001	Network Functions	R2000	0.0.0		No	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7		No	N
	43.005	Technical Performance Objectives	R2000	0.0.0		No	NP	N	...		BOSWARTHICK, David			No	N
	43.010	GSM Public Land Mobile Network (PLMN) Connection Types	R2000	0.0.0		No	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		#29: 8.0.0 TSG#6: 8.1.0	No	N
	43.013	Discontinuous Reception (DRX) in the GSM System	R2000	0.0.0		No	GP	-	...		USAI, Paolino			No	N
	43.019	GSM API for SIM toolkit stage 2	R2000	0.0.0		No	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael	SMG9->T3@#31		No	N
	43.020	Security-related Network Functions	R2000	0.0.0		No	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#32:8.1.0	No	N
	43.022	Functions Related to Mobile Station (MS) in Idle Mode	R2000	4.0.0		No	G2	N1	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	Moved from SMG3 Jan 2000	#29: 8.0.0 #30: 8.1.0 #30bis: 8.2.0 eds 8.2.1 #31:8.3.0 GERAN#1:4.0.0	No	N
	43.026	Multiband operation of GSM/DCS 1800 by a single operator	R2000	0.0.0		No	GP	NP	...		USAI, Paolino			No	N
	43.030	Radio Network Planning Aspects	R2000	4.0.0		No	GP	-	STEVENS, Peter John	One 2 one	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0	No	N

												GERAN#1:4.0.0		
43.031	Fraud Information Gathering System (FIGS); Service description; Stage 2	R2000	0.0.0		No	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N
43.033	Lawful Interception - stage 2	R2000	0.0.0		No	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice		.	No	N
43.035	Immediate Service Termination (IST); Stage 2	R2000	0.0.0		No	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N
43.045	Technical Realization of Facsimile Group 3 Service - transparent	R2000	0.0.0		No	N3	-	...		BOSWARTHICK, David		#29: 8.0.0	No	N
43.046	Technical Realization of Facsimile Group 3 Service - non transparent	R2000	0.0.0		No	N3	-	...		BOSWARTHICK, David		#29: 7.0.0 TSG#6: 8.0.0 (source Klehn)	No	N
43.048	Security Mechanisms for SIM Toolkit Application - Stage 2	R2000	0.0.0		No	T3	-	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31	#29: 8.0.0 #30: 8.1.0 #31:8.2.0 TSG#8:8.3.0	No	N
43.050	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	R2000	0.0.0		No	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#32:8.1.0	No	N
43.051	GERAN overall description; stage 2	R2000	0.0.1		Yes	GP	-	SEBIRE, Guillaume	NOKIA Corporation	USAI, Paolino	Originally created as 03.51r00	Created after TSG#8.	No	N
43.052	Lower layers of the GSM Cordless Telephony System (CTS) radio interface - Stage 2	R2000	0.0.0		No	GP	-	DESBLANCS, Philippe	ALCATEL France	USAI, Paolino		.	No	N
43.053	Tandem Free Operation (TFO); Service description; Stage 2	R2000	0.0.0		No	S4	NP / S2	FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	USAI, Paolino	Mar00: prime responsibility txfrd to SMG11	.	No	N
43.056	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	R2000	0.0.0		No	S2	-	ROBERTS, Martin	Nortel	SULTAN, Alain		.	No	N
43.058	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	R2000	0.0.0		No	S4	-	MONFORT, Jean-Yves	France Telecom R&D	USAI, Paolino		.	No	N
43.059	Location services (LCS) GERAN; Stage 2	R2000	0.0.1		No	GP	-	LIVINGSTON, Margaret	NOKIA Corporation	USAI, Paolino		.	No	N
43.059	Location services (LCS) GERAN; Stage 2	R2000	0.0.2		No	GP	-	LIVINGSTON, Margaret	NOKIA Corporation	USAI, Paolino		.	No	N
43.063	Packet Data on Signalling channels service (PDS) Service description, Stage 21	R2000	0.0.0		No	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#31: 8.0.0	No	N
43.064	Overall description of the GPRS radio interface; Stage 2	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30b:8.2.0 #31:8.3.0	No	N

												#31b:8.3.0 #32:8.5.0			
TS	43.068	Voice Group Call Service (VGCS); Stage 2	R2000	4.0.0		No	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban	#31: 8.0.0 TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0 #32:9.0.0 TSG#8:9.0.0->4.0.0	No	N	
TS	43.069	Voice Broadcast service (VBS); Stage 2	R2000	4.0.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban	#32:9.0.0 TSG#8:9.0.0	No	N	
	43.071	Location services (LCS); Stage 2	R2000	0.0.0		No	S2	-	BROOK, Richard	SAMSUNG Electronics Research Institute	SULTAN, Alain	Need identified at TSG#7, since 23.171 does not cover GSM.	No	N	
	44.001	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	R2000	0.0.0		No	N1	-	AVELINE, Sophie	France Telecom R&D	AL -BAKRI, Ban	#31: 8.0.0	No	N	
	44.003	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	R2000	0.0.0		No	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert	#30: 8.0.0	No	N	
	44.004	Layer 1 - General Requirements	R2000	0.0.0		No	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert	#30: 8.0.0 #30b: 8.1.0	No	N	
	44.005	Data Link (DL) Layer General Aspects	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert	.	No	N	
	44.006	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert	.	No	N	
	44.008	Mobile Radio Interface - Layer 3 Specification	R2000	0.0.0		No	N	G2	HOWELL, Andrew	MOTOROLA Ltd		04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)	#29: 8.0.0 but perhaps this should not have been created! (24.008 instead)	No	N
	44.013	Performance Requirements on Mobile Radio Interface	R2000	0.0.0		No	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban	#31: 8.0.0	No	N	
	44.014	Individual equipment type requirements and interworking; Special conformance testing functions	R2000	0.0.0		No	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	#32:8.1.0	No	N	
TS	44.018	Mobile Radio Interface - Layer 3 Specification RR part	R2000	4.0.0		No	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	#32:9.0.0 MCC-converted Aug00:4.0.0 GERAN#1	No	N	

	44.021	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	R2000	0.0.0		No	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#29: 8.0.0 TSG#8:8.1.0	No	N
	44.031	Location Services LCS RR LCS Protocol	R2000	0.0.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		.	No	N
	44.035	Location Services LCS Stage 3 E-OTD Enhanced Observed	R2000	0.0.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		.	No	N
	44.056	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	R2000	0.0.0		No	N1	-	HUPPERICH, Peter	ALCATEL SEL AG	AL -BAKRI, Ban		#31: 8.0.0	No	N
	44.057	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	R2000	0.0.0		No	N1	-	HUPPERICH, Peter	ALCATEL SEL AG	AL -BAKRI, Ban		#31: 8.0.0	No	N
	44.060	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0	No	N
	44.063	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	R2000	0.0.0		No	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#31: 8.0.0	No	N
	44.064	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	R2000	0.0.0		No	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban		#29: 8.0.0 #30: 8.1.0 post-TSG#6:8.2.0 #31:8.3.0 TSG#8:8.4.0	No	N
	44.065	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	R2000	0.0.0		No	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban	24.065 exists, but will be scrapped for R99.	#31: 8.0.0	No	N
TS	44.068	Group Call Control (GCC) Protocol	R2000	4.0.0		Yes	N1	-	...		AL -BAKRI, Ban		#32:9.0.0 TSG#8:9.0.0	No	N
TS	44.069	Broadcast Call Control (BCC) protocol	R2000	4.0.0		Yes	N1	-	...		AL -BAKRI, Ban		TSG#8:9.0	No	N
	44.071	Location services (LCS) stage 3	R2000	0.0.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.	#32:8.1.0	No	N

45.001	Physical Layer on the Radio Path (General Description)	R2000	4.0.0		No	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b:8.2.0 #31:8.3.0 #32:8.4.0 GERAN#1:4.0.0	No	N
45.002	Multiplexing and Multiple Access on the Radio Path	R2000	4.0.0		No	GP	-	...		USAI, Paolino		#29: 8.0.1 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:4.0.0	No	N
45.003	Channel Coding	R2000	0.0.0		No	GP	-	...		USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0	No	N
45.004	Modulation	R2000	0.0.0		No	GP	-	REINER, Michaël	AEG Mobile Communications GmbH (AMC)	USAI, Paolino		#28: 8.0.0 #30b 8.1.0	No	N
45.005	Radio Transmission and Reception	R2000	0.0.0		No	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.4.0 #32:8.5.0	No	N
45.008	Radio Subsystem Link Control	R2000	4.0.0		No	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:4.0.0	No	N
45.009	Link Adaptation	R2000	0.0.0		No	GP	-	...		USAI, Paolino		#31:8.0.0 #32:8.1.0	No	N
45.010	Radio Subsystem Synchronization	R2000	0.0.0		No	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino		#30: 8.0.0 #30b: 8.1.0 #31:8.2.0 #31b:8.2.0 #32:8.4.0	No	N
45.022	Radio link management in hierarchical networks	R2000	0.0.0		No	GP	-	...		USAI, Paolino		.	No	N
45.050	Background for RF Requirements	R2000	0.0.0		No	GP	-	...		USAI, Paolino		#30: 8.0.0 #31:8.1.0 #31b:8.2.0	No	N
45.056	CTS-FP Radio Sub-system	R2000	0.0.0		No	GP	-	...		USAI, Paolino		.	No	N
46.001	Full Rate Speech Processing Functions	R2000	0.0.0		No	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		.	No	N
46.002	Half Rate Speech Processing Functions	R2000	0.0.0		No	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
46.006	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	R2000	0.0.0		No	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
46.007	Half Rate Speech: Test	R2000	0.0.0		No	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N

		Sequence for GSM Half Rate Speech Codec													
46.008		Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	R2000	0.0.0		No	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		.	No	N
46.010		Full Rate Speech Transcoding	R2000	0.0.0		No	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino		#32:8.1.0	No	N
46.011		Substitution and Muting of Lost Frames for Full Rate Speech Channels	R2000	0.0.0		No	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		.	No	N
46.012		Comfort Noise Aspects for Full Rate Speech Traffic Channels	R2000	0.0.0		No	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino		.	No	N
46.020		Half Rate Speech Transcoding	R2000	0.0.0		No	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
46.021		Substitution and Muting of Lost Frames for Half Rate Traffic Speech Traffic Channels	R2000	0.0.0		No	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
46.022		Comfort Noise Aspects for Half Rate Speech Traffic Channels	R2000	0.0.0		No	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
46.031		Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	R2000	0.0.0		No	S4	-	...		USAI, Paolino		.	No	N
46.032		Voice Activity Detection (VAD)	R2000	0.0.0		No	S4	-	BARRETT, Paul	BT	USAI, Paolino		.	No	N
46.041		Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	R2000	0.0.0		No	S4	-	...		USAI, Paolino		.	No	N
46.042		Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	R2000	0.0.0		No	S4	-	BARRETT, Paul	BT	USAI, Paolino		.	No	N
46.051		GSM Enhanced full rate speech processing functions: General description	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#32:8.1.0	No	N
46.053		ANSI-C code for the GSM Enhanced full rate speech codec	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
46.054		Test sequences for the GSM Enhanced Full Rate (EFR)	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#32:8.1.0	No	N
46.055		Performance characterisation of the GSM EFR Speech Codec	R2000	0.0.0		No	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		.	No	N
46.060		Enhanced full rate speech transcoding	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N

	46.061	Substitution and muting of lost frames for enhanced full rate speech traffic channels	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
	46.062	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
	46.076	Adaptive Multi-Rate (AMR) speech codec; study phase report	R2000	0.0.0		No	S4	-	...		USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.	TSG#7:2.0.0, 8.0.0	No	N
	46.077	Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder	R2000	0.0.0		No	S4	-	...		USAI, Paolino		#32:8.0.0	No	N
	46.078	Results of the AMR noise suppression selection phase	R2000	0.0.0		No	S4	-	...		USAI, Paolino		#32:8.0.0	No	N
	46.081	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
	46.082	Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	R2000	0.0.0		No	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
	46.085	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	R2000	0.0.0		No	S4	-	...		USAI, Paolino		.	No	N
	48.001	General Aspects on the BSS-MSC Interface	R2000	0.0.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
	48.002	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	R2000	0.0.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
	48.004	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	R2000	0.0.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
	48.006	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	R2000	0.0.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
TS	48.008	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	R2000	4.1.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#32:9.0.0 MCC-converted Aug00:4.0.0 GERAN#1:4.1.0	No	N

48.014	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert		.	No	N
48.016	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert		.	No	N
48.018	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	R2000	0.0.0		No	G2	-	...		THOMASEN, Gert		#30: 8.0.0 #30b: 8.1.0 #31:8.2.0 #31b:8.3.0	No	N
48.020	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	R2000	0.0.0		No	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#29: 8.0.0 #30: 8.1.0	No	N
48.031	Location Services LCS SMLC Peer Protocol (SMLCPP)	R2000	0.0.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		.	No	N
48.051	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	R2000	0.0.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.	No	N
48.052	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	R2000	0.0.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.	No	N
48.054	BSC-BTS : Layer 1 Structure of Physical Circuits	R2000	0.0.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.	No	N
48.056	BSC-BTS Layer 2 Specification	R2000	0.0.0		No	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert		.	No	N
48.058	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	R2000	0.0.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0	No	N
48.060	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	R2000	0.0.0		No	GP	-	...		USAI, Paolino		#30: 8.0.1 #30b: 8.1.0	No	N
48.061	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	R2000	0.0.0		No	GP	NP	JACOB, Petra	SIEMENS AG	USAI, Paolino		.	No	N
48.062	Inband Tandem Free Operation (TFO) of Speech	R2000	0.0.0		No	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	.	No	N

		Codecs; Service Description; Stage 3													
	48.071	Location services (LCS) SMLC-BSS intface L 3	R2000	0.0.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert			No	N
	49.001	General Network Interworking Scenarios	R2000	0.0.0		No	N4	-	...		SETTIMO, Franco			No	N
	49.008	Application of the Base Station System Application Part (BSSAP) on the E-Interface	R2000	0.0.0		No	N1	-	JORGENSEN, Per Johan	ERICSSON L.M. Telefonaktiebolaget	AL -BAKRI, Ban		#31: 8.0.0	No	N
	49.031	Location Services LCS Extension (BSSAP-LE)	R2000	0.0.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		#32:8.2.0	No	N
	50.020	Lawful Interception requirements for GSM	R2000	0.0.0		No	S3	-	...		POPE, Maurice			No	N
	50.056	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	R2000	0.0.0		No	S2	-	GALLIGO, Michel	ALCATEL France	SULTAN, Alain			No	N
	50.059	Project scheduling and open issues for EDGE	R2000	0.0.0		No	GP	-	MUELLER, Frank	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino		May00: 1.23.0 ("final" version) #32:8.0.0 (1.23.0)	No	N
	50.068	Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)	R2000	0.0.0		No	S2	-	VAN DER AREND, Peter	KPN - Koninklijke PTT Nederland NV	SULTAN, Alain			No	N
	50.089	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	R2000	0.0.0		No	GP	-	ISAACS, Ken	SIEMENS AG	USAI, Paolino		0.0.5 appeared 19-apr-00	No	N
TR	50.099	GERAN project plan and open issues	R2000	0.0.7		No	GP	-	MUELLER, Frank	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino		May00:0.0.5 #32:0.0.5	Yes	N
TS	51.010-1	Conformance Specification	R2000	4.0.1		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia		#32:9.0.0 MCC-converted Aug00:4.0.1	No	N
TS	51.010-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	R2000	0.0.0		No	T1	-	HU, Shicheng	ETSI Secretariat	SALMERON, Lidia	STF		No	N

TS	51.010-3	Layer3 (L3) Abstract Test Suite (ATS)	R2000	4.0.0		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia		Tdoc 7-00-276; P-00-266 #32:9.0.0	No	N
	51.011	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	R2000	0.0.0		No	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael		#29: 8.0.0 #30: 8.1.0 #31:8.2.0 #32:8.3.0	No	N
	51.014	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	R2000	0.0.0		No	T3	-	WOODSEND, Kristian	ASPECTS Software Ltd	SANDERS, Michael		#29: 8.0.0 #30: 8.1.0 #31:8.2.0 #32:8.3.0	No	N
	51.018	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface	R2000	0.0.0		No	T3	-	LINDHOLM, Rune	NOKIA MOBILE PHONES	SANDERS, Michael		.	No	N
	51.021	GSM Radio Aspects Base Station System Equipment Specification	R2000	0.0.0		No	GP	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino		#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #30b: 8.0.0 #31:8.1.0 #31b:8.1.0 #32:8.3.0	No	N
	51.026	GSM Repeater Equipment Specification	R2000	0.0.0		No	GP	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino		#31b:8.0.0 (based on 5.2.1)	No	N
	52.003	Security Management	R2000	0.0.0		No	S5	S1 / NP	...		ZOICAS, Adrian		.	No	N
	52.004	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	R2000	0.0.0		No	S5	S1 / NP	...		ZOICAS, Adrian		.	No	N
	52.071	Location Services (LCS); Location services management	R2000	0.0.0		No	S5	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	ZOICAS, Adrian		TSG#8:8.0.0 (2.0.1)	No	N
	53.021	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive	R2000	0.0.0		No	MSG	GP	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	VAN DER VEEN, Hans	Harmonized standard	No R99 impact. But #32 reinstated. #32:8.0.0	No	N
	01.00	Working Procedures for SMG	R1999	8.0.0		Yes	SP	-	BERGMANN, Ansgar	ETSI Secretariat	POPE, Maurice		#30: 8.0.0	No	N
	01.01	GSM R99 Specification set	R1999	8.0.0		Yes	GP	-	COURAU, François	ALCATEL France	USAI, Paolino		info at #30 Alignment with 21.101: 1.1.0. Aprvl expected SMG#31b; or #32 ... #32:2.0.0 -> 8.0.0	No	N

01.04	Abbreviations and Acronyms	R1999	8.0.0		Yes	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino			No	N
01.31	Fraud Information Gathering System (FIGS); Service requirements - Stage 0	R1999	8.0.0		Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice			No	N
01.33	Lawful Interception requirements for GSM	R1999	8.0.0		Yes	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice			No	N
01.61	General Packet Radio Service (GPRS); GPRS ciphering algorithm requirements	R1999	8.0.0		Yes	S3	-	VANNESTE, Geneviève	SIEMENS ATEA NV	POPE, Maurice			No	N
02.09	Security Aspects	R1999	8.0.0		Yes	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice			No	N
02.17	Subscriber Identity Modules, Functional Characteristics	R1999	8.0.0		Yes	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael		7.1.0 #30: 8.0.0	No	N
02.19	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	R1999	8.0.0		No	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael	SMG9->T3@#31		No	N
02.31	Fraud Information Gathering System (FIGS) Service description - Stage 1	R1999	8.0.0		Yes	S3		WRIGHT, Tim	BT	POPE, Maurice			No	N
02.32	Immediate Service Termination (IST); Service description - Stage 1	R1999	8.0.0		Yes	S3		WRIGHT, Tim	BT	POPE, Maurice			No	N
02.33	Lawful Interception - Stage 1	R1999	8.0.0		Yes	S3		MILES, David F.	BT Cellnet	POPE, Maurice			No	N
02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	R1999	8.0.0		Yes	T3	S3	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31		No	N
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	R1999	8.0.0		Yes	S1	-	GALLIGO, Michel	ALCATEL France	CLAYTON, Michael			No	N
02.68	Voice Group Call Service (VGCS) - Stage 1	R1999	8.0.0		No	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#31:8.0.0	No	N
02.69	Voice Broadcast Service (VBS) - Stage 1	R1999	8.0.0		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael			No	N
02.94	Follow Me Service description - Stage 1	R1999	8.0.0		Yes	S1	-	...		CLAYTON, Michael		#28: 1.0.0 #30: 8.0.0	No	N

02.95	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	R1999	8.0.0		Yes	S1	-	...		CLAYTON, Michael		.	No	N
03.01	Network Functions	R1999	8.0.0		No	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7	.	No	N
03.05	Technical performance objectives	R1999	8.0.0		Yes	NP	-	...		BOSWARTHICK, David		.	No	N
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	R1999	8.1.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		#29: 8.0.0 TSG#6: 8.1.0	No	N
03.13	Discontinuous Reception (DRX) in the GSM System	R1999	8.0.0		Yes	GP	-	...		USAI, Paolino		.	No	N
03.19	GSM API for SIM toolkit stage 2	R1999	8.0.0		No	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael	SMG9->T3@#31	.	No	N
03.20	Security-related Network Functions	R1999	8.1.0		No	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#32:8.1.0	No	N
03.22	Functions Related to Mobile Station (MS) in Idle Mode	R1999	8.3.0		Yes	G2	N1	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	Moved from SMG3 Jan 2000	#29: 8.0.0 #30: 8.1.0 #30bis: 8.2.0 eds 8.2.1 #31:8.3.0	No	N
03.26	Multiband operation of GSM/DCS 1800 by a single operator	R1999	8.0.0		Yes	GP	NP	...		USAI, Paolino		.	No	N
03.30	Radio Network Planning Aspects	R1999	8.3.0		Yes	GP	-	STEVENS, Peter John	One 2 one	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0	No	N
03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	R1999	8.0.0		Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N
03.33	Lawful Interception - stage 2	R1999	8.0.0		Yes	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice		.	No	N
03.35	Immediate Service Termination (IST); Stage 2	R1999	8.0.0		Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	No	N
03.45	Technical Realization of Facsimile Group 3 Service - transparent	R1999	8.0.0		Yes	N3	-	...		BOSWARTHICK, David		#29: 8.0.0	No	N
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	R1999	8.0.0		Yes	N3	-	...		BOSWARTHICK, David		#29: 7.0.0 TSG#6: 8.0.0 (source Klehn)	No	N
03.48	Security Mechanisms for SIM Toolkit Application - Stage 2	R1999	8.3.0		Yes	T3	-	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31	#29: 8.0.0 #30: 8.1.0 #31:8.2.0 TSG#8:8.3.0	No	N

03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	R1999	8.1.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#32:8.1.0	No	N
03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface - Stage 2	R1999	8.0.0		Yes	GP	-	DESBLANCS, Philippe	ALCATEL France	USAI, Paolino		.	No	N
03.53	Tandem Free Operation (TFO); Service description; Stage 2	R1999	8.0.0		Yes	S4	NP / S2	FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	USAI, Paolino	Mar00: prime responsibility txfrd to SMG11	.	No	N
03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	R1999	8.0.0		No	S2	-	ROBERTS, Martin	Nortel	SULTAN, Alain		.	No	N
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	R1999	8.0.0		Yes	S4	-	MONFORT, Jean-Yves	France Telecom R&D	USAI, Paolino		.	No	N
03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	R1999	8.0.0		Yes	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#31: 8.0.0	No	N
03.64	Overall description of the GPRS radio interface; Stage 2	R1999	8.6.0		No	G2	-	...		THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30b:8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:8.6.0	No	N
03.68	Voice Group Call Service (VGCS); Stage 2	R1999	8.2.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban		#31: 8.0.0 TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0	No	N
03.69	Voice Broadcast service (VBS); Stage 2	R1999	8.2.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban		TSG#7: 8.1.0 #32:8.2.0 TSG#8:8.2.0	No	N
03.71	Location services (LCS); Stage 2	R1999	8.0.0		Yes	S2	-	BROOK, Richard	SAMSUNG Electronics Research Institute	SULTAN, Alain		Need identified at TSG#7, since 23.171 does not cover GSM.	No	N
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	R1999	8.0.0		Yes	N1	-	AVELINE, Sophie	France Telecom R&D	AL -BAKRI, Ban		#31: 8.0.0	No	N
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	R1999	8.0.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert		#30: 8.0.0	No	N
04.04	Layer 1 - General	R1999	8.1.0		Yes	G2	-	THOMAS, Rémi	France Telecom	THOMASEN, Gert		#30: 8.0.0 #30b:	No	N

	Requirements								R&D			8.1.0		
04.05	Data Link (DL) Layer General Aspects	R1999	8.0.0		Yes	G2	-	...		THOMASEN, Gert		.	No	N
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	R1999	8.0.0		Yes	G2	-	...		THOMASEN, Gert		.	No	N
04.08	Mobile Radio Interface - Layer 3 Specification	R1999	8.0.0		Yes	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)	#29: 8.0.0 but perhaps this should not have been created! (24.008 instead)	No	N
04.13	Performance Requirements on Mobile Radio Interface	R1999	8.0.0		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#31: 8.0.0	No	N
04.14	Individual equipment type requirements and interworking; Special conformance testing functions	R1999	8.1.0		Yes	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert		#32:8.1.0	No	N
04.18	Mobile Radio Interface - Layer 3 Specification RR part	R1999	8.6.0		No	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:8.6.0	No	N
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	R1999	8.1.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#29: 8.0.0 TSG#8:8.1.0	No	N
04.31	Location Services LCS RR LCS Protocol	R1999	8.1.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		.	No	N
04.35	Location Services LCS Stage 3 E-OTD Enhanced Observed	R1999	8.2.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		. GERAN#1:8.2.0	No	N
04.56	GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	R1999	8.0.0		Yes	N1	-	HUPPERICH, Peter	ALCATEL SEL AG	AL -BAKRI, Ban		#31: 8.0.0	No	N
04.57	GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	R1999	8.0.0		Yes	N1	-	HUPPERICH, Peter	ALCATEL SEL AG	AL -BAKRI, Ban		#31: 8.0.0	No	N
04.60	General Packet Radio Service (GPRS); Mobile	R1999	8.6.0		No	G2	-	...		THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30b:	No	N

		Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol										8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:8.6.0			
04.63		Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	R1999	8.0.1		Yes	N1	-	JACOBSOHN, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#31: 8.0.0	No	N
04.64		Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	R1999	8.4.0		Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban		#29: 8.0.0 #30: 8.1.0 post-TSG#6:8.2.0 #31:8.3.0 TSG#8:8.4.0	No	N
04.65		Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	R1999	8.0.0		Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban	24.065 exists, but will be scrapped for R99.	#31: 8.0.0	No	N
04.68		Group Call Control (GCC) Protocol	R1999	8.1.0		Yes	N1	-	...		AL -BAKRI, Ban		#31: 8.0.0 TSG#7: 8.1.0	No	N
04.69		Broadcast Call Control (BCC) protocol	R1999	8.1.0		Yes	N1	-	...		AL -BAKRI, Ban		#31: 8.0.0 TSG#7: 8.1.0	No	N
04.71		Location services (LCS) stage 3	R1999	8.1.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.	#32:8.1.0	No	N
05.01		Physical Layer on the Radio Path (General Description)	R1999	8.5.0		No	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b:8.2.0 #31:8.3.0 #32:8.4.0 GERAN#1:8.5.0	No	N
05.02		Multiplexing and Multiple Access on the Radio Path	R1999	8.6.0		No	GP	-	...		USAI, Paolino		#29: 8.0.1 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:8.6.0	No	N
05.03		Channel Coding	R1999	8.5.0		Yes	GP	-	...		USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0	No	N
05.04		Modulation	R1999	8.1.0		Yes	GP	-	REINER, Michaël	AEG Mobile Communications GmbH (AMC)	USAI, Paolino		#28: 8.0.0 #30b 8.1.0	No	N
05.05		Radio Transmission and Reception	R1999	8.6.0		No	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#29: 8.0.0 #30: 8.1.0 #30b:	No	N

													8.2.0 #31:8.3.0 #31b:8.4.0 #32:8.5.0 GERAN#1:8.6.0		
05.08	Radio Subsystem Link Control	R1999	8.5.0		No	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino			#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.3.0 #32:8.5.0 GERAN#1:8.5.0	No	N
05.09	Link Adaptation	R1999	8.1.0		Yes	GP	-	...		USAI, Paolino			#31:8.0.0 #32:8.1.0	No	N
05.10	Radio Subsystem Synchronization	R1999	8.5.0		No	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino			#30: 8.0.0 #30b: 8.1.0 #31:8.2.0 #31b:8.2.0 #32:8.4.0 GERAN#1:8.5.0	No	N
05.22	Radio link management in hierarchical networks	R1999	8.0.0		Yes	GP	-	...		USAI, Paolino			.	No	N
05.50	Background for RF Requirements	R1999	8.2.0		Yes	GP	-	...		USAI, Paolino			#30: 8.0.0 #31:8.1.0 #31b:8.2.0	No	N
05.56	CTS-FP Radio Sub-system	R1999	8.0.0		Yes	GP	-	...		USAI, Paolino			.	No	N
06.01	Full Rate Speech Processing Functions	R1999	8.0.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino			.	No	N
06.02	Half Rate Speech Processing Functions	R1999	8.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			.	No	N
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	R1999	8.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			.	No	N
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	R1999	8.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			.	No	N
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	R1999	8.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino			.	No	N
06.10	Full Rate Speech Transcoding	R1999	8.1.0		Yes	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino			#32:8.1.0	No	N
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	R1999	8.0.0		Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino			.	No	N

06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	R1999	8.0.0		Yes	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino		.	No	N
06.20	Half Rate Speech Transcoding	R1999	8.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
06.21	Substitution and Muting of Lost Frames for Half Rate Traffic Speech Traffic Channels	R1999	8.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	R1999	8.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		.	No	N
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	R1999	8.0.0		Yes	S4	-	...		USAI, Paolino		.	No	N
06.32	Voice Activity Detection (VAD)	R1999	8.0.0		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		.	No	N
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	R1999	8.0.0		Yes	S4	-	...		USAI, Paolino		.	No	N
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	R1999	8.0.0		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		.	No	N
06.51	GSM Enhanced full rate speech processing functions: General description	R1999	8.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#32:8.1.0	No	N
06.53	ANSI-C code for the GSM Enhanced full rate speech codec	R1999	8.0.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	R1999	8.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#32:8.1.0	No	N
06.55	Performance characterisation of the GSM EFR Speech Codec	R1999	8.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		.	No	N
06.60	Enhanced full rate speech transcoding	R1999	8.0.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels	R1999	8.0.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	R1999	8.0.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
06.76	Adaptive Multi-Rate (AMR) speech codec; study phase	R1999	8.0.0		Yes	S4	-	...		USAI, Paolino	New at SMG#31. Then became	TSG#7:2.0.0, 8.0.0	No	N

	report										06.77; new 06.76 has new title.			
06.77	Minimum Performance Requirements for Noise Suppressor Application to the AMR Speech Encoder	R1999	8.0.0		Yes	S4	-	...		USAI, Paolino		#32:8.0.0	No	N
06.78	Results of the AMR noise suppression selection phase	R1999	8.0.0		Yes	S4	-	...		USAI, Paolino		#32:8.0.0	No	N
06.81	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels	R1999	8.0.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
06.82	Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	R1999	8.0.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		.	No	N
06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	R1999	8.0.0		Yes	S4	-	...		USAI, Paolino		.	No	N
08.01	General Aspects on the BSS-MSC Interface	R1999	8.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	R1999	8.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	R1999	8.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	R1999	8.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	R1999	8.6.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#29: 8.0.0 #30: 8.1.0 #30b: 8.2.0 #31:8.3.0 #31b:8.4.0 #32:8.5.0 GERAN#1:8.6.0	No	N
08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb	R1999	8.0.0		Yes	G2	-	...		THOMASEN, Gert		.	No	N

	Interface Layer 1														
08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	R1999	8.0.0		Yes	G2	-	...			THOMASEN, Gert		.	No	N
08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	R1999	8.4.0		No	G2	-	...			THOMASEN, Gert		#30: 8.0.0 #30b: 8.1.0 #31:8.2.0 #31b:8.3.0 GERAN#1:8.4.0	No	N
08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	R1999	8.1.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David			#29: 8.0.0 #30: 8.1.0	No	N
08.31	Location Services LCS SMLC Peer Protocol (SMLCPP)	R1999	8.0.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert			.	No	N
08.51	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	R1999	8.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert			.	No	N
08.52	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	R1999	8.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert			.	No	N
08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	R1999	8.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert			.	No	N
08.56	BSC-BTS Layer 2 Specification	R1999	8.0.0		Yes	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert			.	No	N
08.58	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	R1999	8.5.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert			#29: 8.0.0 #30: 8.1.0 #30: 8.2.0 #31:8.3.0 #31b:8.4.0 GERAN#1:8.5.0	No	N
08.60	Inband Control of Remote Transcoders and Rate Adaptors forEFR/FR	R1999	8.1.0		Yes	GP	-	...		USAI, Paolino			#30: 8.0.1 #30b: 8.1.0	No	N
08.61	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	R1999	8.0.0		Yes	GP	NP	JACOB, Petra	SIEMENS AG	USAI, Paolino			.	No	N
08.62	Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	R1999	8.0.1		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30		.	No	N

08.71	Location services (LCS) SMLC-BSS intface L 3	R1999	8.1.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		.	No	N
09.01	General Network Interworking Scenarios	R1999	8.0.0		Yes	N4	-	...		SETTIMO, Franco		.	No	N
09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	R1999	8.0.0		Yes	N1	-	JORGENSEN, Per Johan	ERICSSON L.M. Telefonaktiebolaget	AL -BAKRI, Ban		#31: 8.0.0	No	N
09.31	Location Services LCS Extension (BSSAP-LE)	R1999	8.3.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		#32:8.2.0 GERAN#1:8.3.0	No	N
10.20	Lawful Interception requirements for GSM	R1999	0.0.0		No	S3	-	...		POPE, Maurice		.	No	N
10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	R1999	8.0.0		Yes	S2	-	GALLIGO, Michel	ALCATEL France	SULTAN, Alain		.	No	N
10.59	Project scheduling and open issues for EDGE	R1999	8.0.0		Yes	GP	-	MUELLER, Frank	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino		May00: 1.23.0 ("final" version) #32:8.0.0 (1.23.0)	No	N
10.68	Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)	R1999	8.0.0		No	S2	-	VAN DER AREND, Peter	KPN - Koninklijke PTT Nederland NV	SULTAN, Alain		.	No	N
10.89	GSM to other Systems Handover and Cell Selection/Reselection; Project scheduling and open issues;	R1999	0.0.6		Yes	GP	-	ISAACS, Ken	SIEMENS AG	USAI, Paolino		0.0.5 appeared 19-apr-00	No	N
11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	R1999	8.2.0		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia	R99 version now serves all releases. Earlier releases frozen.	#29: 7.0.0 #30: 7.1.0 #31: 8.0.0 & 8.1.0 #32:closed. #32:8.2.0	No	N
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	R1999	8.3.0		Yes	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael		#29: 8.0.0 #30: 8.1.0 #31:8.2.0 #32:8.3.0	No	N
11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	R1999	8.3.0		Yes	T3	-	WOODSEND, Kristian	ASPECTS Software Ltd	SANDERS, Michael		#29: 8.0.0 #30: 8.1.0 #31:8.2.0 #32:8.3.0	No	N
11.18	Specification of the 1.8 Volt	R1999	8.0.0		No	T3	-	LINDHOLM, Rune	NOKIA MOBILE	SANDERS, Michael		.	No	N

		Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface								PHONES					
	11.21	GSM Radio Aspects Base Station System Equipment Specification	R1999	8.4.0		No	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #30b: 8.0.0 #31:8.1.0 #31b:8.1.0 #32:8.3.0 GERAN#1:8.4.0	No	N
	11.26	GSM Repeater Equipment Specification	R1999	8.0.1		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#31b:8.0.0 (based on 5.2.1)	No	N
	12.03	Security Management	R1999	8.0.0		Yes	S5	S1 / NP	...		ZOICAS, Adrian		.	No	N
	12.04	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	R1999	8.0.0		Yes	S5	S1 / NP	...		ZOICAS, Adrian		.	No	N
	12.71	Location Services (LCS); Location services management	R1999	8.0.0		Yes	S5	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	ZOICAS, Adrian		TSG#8:8.0.0 (2.0.1)	No	N
	13.21	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive	R1999	8.0.0		Yes	MSG	GP	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	VAN DER VEEN, Hans	Harmonized standard	No R99 impact. But #32 reinstated. #32:8.0.0	No	N
TS	21.101	3rd Generation mobile system Release 1999 Specifications	R1999	3.1.0	Mar 00	Yes	SP	-	MEREDITH, John M	ETSI Secretariat	POPE, Maurice		Aprvl by e-mail post TSG#6: 2.1.0 - comments: 2.2.0; TSG#7:2.3.0(SP - 000037),2.4.0(SP- 000104),2.5(SP-000xxx) 3.0.0 post-TSG#8:3.1.0	Yes	N
TS	21.111	USIM and IC card requirements	R1999	3.2.0	April 99	Yes	T3	-	MARINGER, Günter	Deutsche Telekom MobilNet GmbH	SANDERS, Michael		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	21.133	Security Threats and Requirements	R1999	3.1.0	April 99	Yes	S3	-	CHRISTOFFERSSON, Per	TELIA AB	POPE, Maurice		.	Yes	N
TR	21.810	Report on multi-mode UE issues; ongoing work and identified additional work	R1999	3.0.0	Jun 00	Yes	T2	-	PERSSON, Sofi	TELIA AB	RODERMUND, Friedhelm	Was formerly 21.910. Renumbered at	TSG#7:2.0.0 - number changed from	Yes	N

												TSG#7.	21.910. Not approved. 2.0.0 TSG#8:3.0.0 (2.2.0)		
TR	21.900	3GPP Working methods	R1999	3.3.0	April 99	Yes	SP	-	MEREDITH, John M	ETSI Secretariat	POPE, Maurice		TSG#8:3.3.0	Yes	N
TR	21.904	UE Capability Requirements (UCR)	R1999	3.1.0	Mar 00	Yes	T2	-	SOOD, Prem	SHARP Corporation	RODERMUND, Friedhelm		TSG-T#7 is the new target for approval as part of R99. TSG#7:2.0.0(TP-000026), 3.0.0 TSG#8:3.1.0 (will not be propagated to R00)	Yes	N
TR	21.905	3G Vocabulary	R1999	3.1.1	Mar 00	Yes	S1	-	ZARRI, Michele	One 2 One Personal Communications Limited	CLAYTON, Michael		TSG#7:(SP-000072) 3.0.0 TSG#8:3.1.0	Yes	N
TR	21.910	Multi-mode UE issues; categories, principles and procedures	R1999	3.0.0	Jun 00	Yes	-	-	PERSSON, Sofi	TELIA AB	,	TSG#7: Renumbered to 21.810 and stopped. TSG#8: Resurrected with modified title.	TSG#7: 2.0.0, but not approved. Number to be changed to 21.810. TSG#8: Re-instated with changed title and contents. TSG#8:3.0.0 (2.1.0)	Yes	N
TR	21.978	Feasibility Technical Report – CAMEL Control of VoIP Services	R1999	3.0.0	Mar 00	Yes	N2	-	SMITH, David	BT Cellnet	HELLMAN, Monica		Not approved N#6. TSG#8:3.0.0 (2.1.1)	Yes	Ye
TS	22.001	Principles of Circuit Telecommunication Services Supported by a Public Land Mobile Network (PLMN)	R1999	3.2.0	Mar 00	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#5	Transfer>TSG#5. TSG#7: 3.2.0	Yes	Ye
TS	22.002	Circuit Bearer Services Supported by a PLMN	R1999	3.4.0	Oct 99	Yes	S1	-	CARPENTER, Paul	Lucent Technologies Network Systems UK	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	22.003	Circuit Teleservices supported by a Public Land Mobile Network (PLMN)	R1999	3.2.0	Jun 00	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#5	Transfer>TSG#5, CR@TSG#6. TSG#7: 3.2.0	Yes	Ye
TS	22.004	General on Supplementary Services	R1999	3.2.1	Oct 99	Yes	S1	-	CARPENTER, Paul	Lucent Technologies Network Systems	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	CR@TSG#6. TSG#7: 3.2.0	Yes	Ye

TS	22.011	Service accessibility	R1999	3.2.0	Oct 99	Yes	S1	-	GALLAIRE, Jean Paul	UK France Telecom R&D	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.2.0	Yes	Ye
TS	22.016	International Mobile Equipment Identities (IMEI)	R1999	3.2.0	Oct 99	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#8:3.2.0	Yes	Ye
TS	22.022	Personalisation of GSM ME Mobile functionality specification - Stage 1	R1999	3.1.0	Oct 99	Yes	S3	-	NGUYEN NGOC, Sebastien	France Telecom R&D	POPE, Maurice	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.024	Description of Charge Advice Information (CAI)	R1999	3.0.1	Oct 99	Yes	S1	-	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.030	Man-Machine Interface (MMI) of the Mobile Station (MS)	R1999	3.3.0	Oct 99	Yes	S1	-	TOIVANEN, Annukka	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.3.0	Yes	Ye
TS	22.034	High Speed Circuit Switched Data (HSCSD) - Stage 1	R1999	3.2.2	Oct 99	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.2.0	Yes	Ye
TS	22.038	SIM application toolkit (SAT); Stage 1	R1999	3.2.0	Oct 99	Yes	S1	-	ROBINSON, Bill	MOTOROLA Ltd	CLAYTON, Michael	Transfer>TSG#4	TSG#7: 3.1.0 TSG#8:3.2.0	Yes	Ye
TS	22.041	Operator Determined Call Barring	R1999	3.1.0	Oct 99	Yes	S1	-	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.042	Network Identity and Time Zone (NITZ), stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	DAHLKVIST, Mikael	ERICSSON MOBILE COMMUNICATIONS AB	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	CR to 3.0.1 not aprvd.	Yes	Ye
TS	22.043	Support of Localised Service Area (SoLSA) - Stage 1	R1999	3.1.0	Oct 99	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#8:3.1.0	Yes	Ye
TS	22.057	Mobile Station Application Execution Environment (MExE); Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	CATALDO, Mark	MOTOROLA Ltd	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.060	General Packet Radio Service (GPRS); Stage 1	R1999	3.4.0	Oct 99	Yes	S1	-	CARPENTER, Paul	Lucent Technologies Network Systems UK	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	22.066	Support of Mobile Number Portability (MNP); Stage 1	R1999	3.2.0	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7:(not 3.2.0!) 3.1.0 TSG#8:3.2.0	Yes	Ye
TS	22.067	enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	SWETINA, Jörg	SIEMENS AG	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.071	Location Services (LCS); Stage 1	R1999	3.2.0	Oct 99	Yes	S1	-	WOHLERT, Randolph	PACIFIC BELL WIRELESS	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye

TS	22.072	Call Deflection (CD); Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	RAUCH, Horst	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.078	CAMEL; Stage 1	R1999	3.4.1	Oct 99	Yes	S1	-	GRECH, Michel	Lucent Technologies Network Systems UK	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	22.079	Support of Optimal Routing; Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.081	Line Identification Supplementary Services; Stage 1	R1999	3.2.0	Oct 99	Yes	S1	-	AHNBERG, Tomas	TELIA AB	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#8:3.2.0	Yes	Ye
TS	22.082	Call Forwarding (CF) Supplementary Services; Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	GALLAIRE, Jean Paul	France Telecom R&D	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.084	MultiParty (MPTY) Supplementary Service; Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.085	Closed User Group (CUG) Supplementary Services; Stage 1	R1999	3.1.0	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	No	Ye
TS	22.086	Advice of Charge (AoC) Supplementary Services; Stage 1	R1999	3.1.0	Oct 99	Yes	S1	-	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	#5: 3.1.0	Yes	Ye
TS	22.087	User-to-user signalling (UUS); Stage 1	R1999	3.1.0	Oct 99	Yes	S1	-	BRADEN, Christian	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	#5: 3.0.1, but should have been 3.1.0 to include a CR wrongly attributed to 22.086.	Yes	Ye
TS	22.088	Call Barring (CB) Supplementary Services; Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.090	Unstructured Supplementary Service Data (USSD); Stage 1	R1999	3.1.0	Oct 99	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.1.0	Yes	Ye
TS	22.091	Explicit Call Transfer (ECT) Supplementary Service; Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.093	Call Completion to Busy Subscriber (CCBS); Stage 1	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.	Yes	Ye
TS	22.094	Follow Me Stage 1	R1999	3.1.0	Dec 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, GSM only	Transfer>TSG#6	Yes	Ye

												@TSG#5				
TS	22.096	Calling Name Presentation (CNAP); Stage 1 (T1P1)	R1999	3.0.1	Oct 99	Yes	S1	-	...		CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.		Yes	Ye
TS	22.097	Multiple Subscriber Profile (MSP); Stage 1	R1999	3.1.0	Oct 99	Yes	S1	-	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	Transfer>TSG#4, CR at TSG#5	.		Yes	Ye
TS	22.100	UMTS Phase 1	R1999	3.6.0	April 99	Yes	S1	-	GALLAIRE, Jean Paul	France Telecom R&D	CLAYTON, Michael		CR@TSG#6; 3.7.0 awaiting attention from MCC expert; who later says 3.5.0 is the good version. TSG#7: 3.6.0	Yes	N	
TS	22.101	UMTS Service principles	R1999	3.a.0	April 99	Yes	S1	-	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael		TSG#7: 3.9.0 TSG#8:3.10.0	Yes	N	
TS	22.105	Services & Service capabilities	R1999	3.9.0	April 99	Yes	S1	-	ASHWELL, Wayne	BT	CLAYTON, Michael		TSG#7: 3.8.0 TSG#8:3.9.0	Yes	N	
TS	22.115	Service Aspects Charging and billing	R1999	3.3.0	April 99	Yes	S1	-	MONTEGROSSO, Emanuele	Telecom Italia ff	CLAYTON, Michael		TSG#7: 3.3.0	Yes	Ye	
TS	22.121	Provision of Services in UMTS - The Virtual Home Environment - Stage 1	R1999	3.3.0	Jun 99	Yes	S1	-	OGUNBEKUN, Jumoke	FUJITSU Europe Telecom R & D Centre	CLAYTON, Michael		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	Ye	
TS	22.129	Handover Requirements between UMTS and GSM or other Radio Systems	R1999	3.3.0	April 99	Yes	S1	-	SAMPSON, Nick	ORANGE PCS LTD	CLAYTON, Michael		TSG#8:3.3.0	Yes	Ye	
TS	22.135	Multicall Stage 1	R1999	3.3.0	Dec 99	Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N	
TS	22.140	Multimedia Messaging Service Stage 1	R1999	3.1.0	Dec 99	Yes	S1	-	LAUMEN, Josef	ROBERT BOSCH GmbH	CLAYTON, Michael	(development in T2)	TSG#8:3.1.0	Yes	N	
TR	22.945	Study of provision of fax service in GSM and UMTS	R1999	3.0.0	Oct 99	Yes	T2	NP	COLBAN, Erik	ERICSSON AS	RODERMUND, Friedhelm		.	Yes	Ye	
TR	22.971	Automatic establishment of roaming relationships	R1999	3.1.1	April 99	Yes	S1	-	MONTEGROSSO, Emanuele	Telecom Italia ff	CLAYTON, Michael		.	Yes	N	
TR	22.975	Advanced addressing	R1999	3.1.0	April 99	Yes	S1	-	KLEIER, Stephan	MANNESMANN Mobilfunk GmbH	CLAYTON, Michael		.	Yes	N	
TS	23.002	Network Architecture	R1999	3.3.0	Oct 99	Yes	S2	-	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain	Transfer>TSG#4, CR at TSG#5	Open issues to be finalized by TSG#7. TSG#7: 3.3.0	Yes	Ye	

TS	23.003	Numbering, Addressing and Identification	R1999	3.5.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	23.007	Restoration procedures	R1999	3.4.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	23.008	Organisation of subscriber data	R1999	3.4.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	23.009	Handover procedures	R1999	3.3.0	April 99	Yes	N1	-	FARHOUMAND, Rouzbeh	Ericsson Incorporated	AL -BAKRI, Ban		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	Ye
TS	23.011	Technical Realization of Supplementary Services - General Aspects	R1999	3.0.1	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.012	Location management procedures	R1999	3.3.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	Ye
TS	23.014	Support of Dual Tone Multi Frequency (DTMF) signalling	R1999	3.1.0	April 99	Yes	N1	-	...		AL -BAKRI, Ban	Should not be in UMTS ????	.	Yes	Ye
TS	23.015	Technical realisation of Operator Determined Barring (ODB)	R1999	3.1.0	April 99	Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		.	Yes	Ye
TS	23.016	Subscriber data management - Stage 2	R1999	3.5.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	23.018	Basic Call Handling - Technical realisation	R1999	3.5.0	April 99	Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	23.032	Universal Geographical Area Description (GAD)	R1999	3.1.0	April 99	Yes	S2	-	...		SULTAN, Alain	S2 responsibility?	TSG#7: 3.1.0	Yes	Ye
TS	23.034	High Speed Circuit Switched Data (HSCSD) - Stage 2	R1999	3.2.0	April 99	Yes	N1	-	MUHONEN, Ahti	NOKIA Corporation	AL -BAKRI, Ban		TSG#7: 3.2.0	Yes	Ye
TS	23.038	Alphabets & Language	R1999	3.3.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		additional CR for R99 on SMS enhanced message content expected at TSG-T#7. No, evidently not.	Yes	Ye
TR	23.039	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	R1999	3.1.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		.	Yes	Ye
TS	23.040	Technical realisation of	R1999	3.5.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE	RODERMUND,		additional CR	Yes	Ye

		Short Message Service								Group Plc	Friedhelm		for R99 on SMS enhanced message content expected at TSG-T#7: TSG#7: 3.4.0 TSG#8:3.5.0		
TS	23.041	Technical Realization of Cell Broadcast Service	R1999	3.2.0	Oct 99	Yes	T2	-	...		RODERMUND, Friedhelm	Transfer>TSG#4	additional CR for R99 on UMTS amendments expected at TSG-T#7. TSG#7: 3.2.0	Yes	Ye
TS	23.042	Compression algorithm for SMS	R1999	3.1.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		.	Yes	Ye
TS	23.054	Shared Interworking Functions - Stage 2	R1999	3.0.0	April 99	Yes	N3	-	ROSTÖ, Tommy	TELIA AB	BOSWARTHICK, David		.	Yes	Ye
TS	23.057	Mobile Station Application Execution Environment (MExE)	R1999	3.2.0	Dec 99	Yes	T2	-	CATALDO, Mark	MOTOROLA Ltd	RODERMUND, Friedhelm		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	Ye
TS	23.060	General Packet Radio Service (GPRS) Service description; Stage 2	R1999	3.4.0	Apr 99	Yes	S2	-	DELECKI, Andrew	MOTOROLA Ltd	SULTAN, Alain	Transfer>TSG#4, CR at TSG#5	Open issues to be finalized by TSG#7 (expect 3.2.1 2000-01-12). TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	23.066	Support of GSM Mobile Number Portability (MNP) stage 2	R1999	3.3.0	Oct 99	Yes	N4	-	LOPEZ SORIA, Luis	ERICSSON ESPANA S.A.	SETTIMO, Franco	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.2.0 TSG#8:3.3.0	Yes	Ye
TS	23.067	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.1.0	Yes	Ye
TS	23.072	Call Deflection Supplementary Service - Stage 2	R1999	3.2.0	April 99	Yes	N4	-	...		SETTIMO, Franco			Yes	Ye
TS	23.073	Support of Localised Service Area (SoLSA) - Stage 2	R1999	3.0.1	Oct 99	Yes	N4	-	...		SETTIMO, Franco	Transfer>TSG#4	.	Yes	Ye
TS	23.078	CAMEL Stage 2	R1999	3.5.0	April 99	Yes	N2	-	HOMANN, Christian	ALCATEL SEL AG	HELLMAN, Monica	CR at TSG#4, CR at TSG#5	TSG#7: Aprvl CRs 56r3 & 18 by e-mail by 31-mar-00. 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	23.079	Support of Optimal	R1999	3.5.0	April 99	Yes	N4	-	PARK, Ian David	VODAFONE	SETTIMO, Franco	CR at TSG#4, CR	TSG#7: 3.4.0	Yes	Ye

		Routeing - Phase 1 - Stage 2							Chalmers	Group Plc		at TSG#5	TSG#8:3.5.0		
TS	23.081	Line Identification Supplementary Services - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#8:3.1.0	Yes	Ye
TS	23.082	Call Forwarding (CF) Supplementary Services - Stage 2	R1999	3.3.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.2.0 TSG#8:3.0	Yes	Ye
TS	23.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.084	MultiParty (MPTY) Supplementary Service - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.085	Closed User Group (CUG) Supplementary Service - Stage 2	R1999	3.0.1	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.086	Advice of Charge (AoC) Supplementary Service - Stage 2	R1999	3.0.1	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.087	User-to-User Signalling (UUS) - Stage 2	R1999	3.0.1	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.088	Call Barring (CB) Supplementary Service - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.2.0 (not approved)	Yes	Ye
TS	23.090	Unstructured Supplementary Service Data (USSD) - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.091	Explicit Call Transfer (ECT) Supplementary Service - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.093	Call Completion to Busy Subscriber (CCBS) - Stage 2	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.094	Follow Me Stage 2	R1999	3.1.0	Dec 99	Yes	N4	-	...		SETTIMO, Franco	Transfer>TSG#4. GSM only @TSG#5	Transfer>TSG# 6. TSG#7: 3.1.0	Yes	Ye
TS	23.096	Name Identification Supplementary Service - Stage 2	R1999	3.0.1	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	23.097	Multiple Subscriber Profile (MSP); Stage 2	R1999	3.1.1	Oct 99	Yes	N4	-	...		SETTIMO, Franco	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.1.1	Yes	Ye
TS	23.101	General UMTS Architecture	R1999	3.0.1	Jun 99	Yes	S2	-	OLSSON, Magnus	ERICSSON L.M. Telefonaktiebolag et	SULTAN, Alain		.	Yes	N
TS	23.107	Quality of Service, Concept	R1999	3.3.0	Oct 99	Yes	S2	-	GREIS, Marc	NOKIA	SULTAN, Alain	was 23.907	TSG#7: 3.2.0	Yes	N

		and Architecture								Corporation			TSG#8:3.3.0		
TS	23.108	Mobile Radio Interface Layer 3 specification Core Network Protocols stage 2 (structured procedures)	R1999	3.2.0	Jun 99	Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban		TSG#7: 3.2.0	Yes	Ye
TS	23.110	UMTS Access Stratum Services and Functions	R1999	3.4.0	Mar 00	Yes	S2	-	LOPEZ-TORRES, Oscar	Deutsche Telekom MobilNet GmbH	SULTAN, Alain		TSG#7: 3.4.0	Yes	Ye
TS	23.116	Super Charger - Stage 2	R1999	3.0.0	Mar 00	Yes	N4	-	ALLEN, Nicholas	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco	New after TSG#5	TSG#7:2.1.0, 3.0.0	Yes	Ye
TS	23.119	Gateway Location Register (GLR) - Stage2	R1999	3.0.0	Mar 00	Yes	N4	-	SAWADA, Masahiro	NTT MOBILE COMMUNICATIONS NETWORK INC.	SETTIMO, Franco	New after TSG#5	Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99. TSG#7:2.0.0 (NP-000108) 3.0.0	Yes	Ye
TS	23.121	Architecture Requirements for release 99	R1999	3.3.0	Jun 99	Yes	S2	-	DANIEL, Elizabeth	Lucent Technologies Network Systems UK	SULTAN, Alain		TSG#7: 3.3.0	Yes	Ye
TS	23.122	Non Access Stratum functions related to Mobile Station (MS) in idle mode	R1999	3.3.0	April 99	Yes	N1	-	HIETALAHTI, Hannu	NOKIA Corporation	AL -BAKRI, Ban		Created at TSG#6, CR@TSG#6, Was briefly 23.022. But regenerated from 03.22 in June99. Expect 3.1.0 to correct erroneous incorporation of a CR. Expect 3.1.1 to undo erroneously incorporated CR. TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	23.127	Virtual Home Environment - Stage 2	R1999	3.1.0	Mar 00	Yes	S2	-	GOURRAUD, Christophe	ERICSSON RESEARCH CANADA	SULTAN, Alain	Sept 00: "Open Service Architecture" removed from title.	TSG#7:2.0.0 (SP-000089) 3.0.0 TSG#8:3.1.0	Yes	N
TS	23.135	Multicall - Stage 2	R1999	3.1.0	Mar 00	Yes	N4	-	MITAMURA, Kazuo	NTT Communications Ware Corporation	SETTIMO, Franco		TSG#7:1.1.0->3.0.0 3.0.0 TSG#8:3.1.0	Yes	N
TS	23.140	Multimedia Messaging	R1999	3.0.1	Mar 00	Yes	T2	-	LAUMEN, Josef	ROBERT BOSCH	RODERMUND,		TSG#7:	Yes	Ye

		Service (MMS)								GmbH	Friedhelm		2.0.0(TP-000028) 3.0.0		
TS	23.153	Out of Band Transcoder Control - Stage 2	R1999	2.0.0	Mar 00	No	N4	-	...		SETTIMO, Franco	New after TSG#5	TSG#7:2.0.0 [argument in SA over r99 or r00] concl: not approved.	Yes	N
TS	23.171	Functional stage 2 description of location services in UMTS	R1999	3.1.0	Mar 00	Yes	S2	-	KÄLL, Jan	NOKIA Corporation	SULTAN, Alain		TSG#7:2.0.0 (SP-000090), 3.0.0 TSG#8:3.1.0	Yes	N
TR	23.814	Separating RR and MM specific parts of the MS Classmark	R1999	3.1.0	Dec 99	Yes	N1	-	YOKOTA, Fumihiko	Fujitsu Limited	AL -BAKRI, Ban	New after TSG#5	TSG #5: 3.0.0: accidentally 3.1.0, but no tech change.	Yes	N
TR	23.908	Technical report on Pre-Paging	R1999	3.0.1	Jun 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TR	23.909	Technical report on the Gateway Location Register	R1999	3.0.1	Jun 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TR	23.910	Circuit Switched Data Bearer Services	R1999	3.1.0	Mar 00	Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David	03.10 GSM only @ TSG#5 Replaced by 3G Report 23.910(+post TSG#4 approval)	TSG#6: 1.0.0 TSG#7:2.0.0->3.0.0 TSG#8:3.1.0	Yes	N
TR	23.911	Technical report on Out-of-band transcoder control	R1999	3.0.1	Oct 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TR	23.912	Technical report on Super-Charger	R1999	3.0.2	Oct 99	Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		.	Yes	Ye
TR	23.922	Architecture for an All IP network	R1999	1.0.0		No	S2	-	...		SULTAN, Alain	TSG#5: 1.0.0	Was suspected to be v3.0.0, but evidently not so.	Yes	N
TR	23.923	Combined GSM and Mobile IP mobility handling in UMTS IP CN	R1999	3.0.0	Dec 99	Yes	S2	-	HUBBARD, Elisabeth	TELIA AB	SULTAN, Alain		.	Yes	Ye
TR	23.925	UMTS Core network based ATM transport	R1999	0.2.0	Mar 00	Yes	S2	-	ROUZ, Adel	FUJITSU Europe Telecom R & D Centre	SULTAN, Alain		.	Yes	Ye
TR	23.930	Iu Principles	R1999	3.0.0	Jun 99	Yes	S2	-	...		SULTAN, Alain		.	Yes	N
TR	23.972	Circuit Switched Multimedia Telephony	R1999	3.0.0	Mar 00	Yes	N1	-	KAUHANEN, Timo	NOKIA Corporation	AL -BAKRI, Ban	New after TSG#5. Minor title change TSG#7.	TSG#7:1.0.0 (NP-000103), 3.0.0	Yes	N
TS	24.002	GSM-UMTS Public Land Mobile Network (PLMN)	R1999	3.0.0	Mar 00	Yes	N1	-	SIMMONS, Paul	NORTEL NETWORKS	AL -BAKRI, Ban		TSG#7: 3.0.0	Yes	Ye

		Access Reference Configuration								(EUROPE)					
TS	24.007	Mobile Radio Interface Signalling Layer 3 - General Aspects	R1999	3.4.0	Oct 99	Yes	N1	-	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	Transfer>TSG#4, CR at TSG#5	TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	24.008	Mobile Radio Interface Layer 3 specification; Core Network Protocols - Stage 3	R1999	3.4.1	April 99	Yes	N1	-	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	CR correction produced 3.0.1, CR at TSG#5. Outstanding issues not expected to be resolved till Jun00.	CR@TSG#6, editorial mod later. TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	24.010	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#8:3.1.0	Yes	Ye
TS	24.011	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	R1999	3.3.0	Oct 99	Yes	N1	T2	NOBUYUKI, Uda	NTT Communications Ware Corporation	AL -BAKRI, Ban	Transfer>TSG#4	TSG#7: 3.2.0 TSG#8:3.3.0	Yes	Ye
TS	24.012	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	R1999	3.0.0	Oct 99	Yes	G2	N2	...		THOMASEN, Gert	Transfer>TSG#4; N#9:proposed to scrap this spec and return it to 2g status (04.12 R99) and shift responsibility to G2 (and should have been N2 anyway). Agreed to txfer to G2, but still as 24.012.	.	Yes	Ye
TS	24.022	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	R1999	3.3.1	April 99	Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David	CR at TSG#4 (post TSG#4 approval) includes title change	TSG#8:3.3.0	Yes	Ye
TS	24.030	Location Services LCS Stage 3 SS (MO-LR)	R1999	3.1.0	Jun 00	Yes	N4	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco	TSG#7: txfrd from SMG to 3GPP for R99.	TSG#7:Decision to create. TSG#8:3.1.0	Yes	N
TS	24.067	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.072	Call Deflection Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.080	Mobile radio Layer 3 Supplementary Service	R1999	3.3.0	April 99	Yes	N4	-	...		SETTIMO, Franco		T1P1 CR @TSG#6.	Yes	Ye

		specification - Formats and coding											TSG#7: 3.2.0 TSG#8:3.3.0 TSG#8:3.1.0	Yes	Ye
TS	24.081	Line Identification Supplementary Service - Stage 3	R1999	3.1.0	April 99	Yes	N4	-	...		SETTIMO, Franco			Yes	Ye
TS	24.082	Call Forwarding Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.083	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.084	MultiParty (MPTY) Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.085	Closed User Group (CUG) Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.086	Advice of Charge (AoC) Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.087	User-to-User Signalling (UUS) - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.088	Call Barring (CB) Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.090	Unstructured Supplementary Service Data (USSD) - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.091	Explicit Call Transfer (ECT) Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.093	Call Completion to Busy Subscriber (CCBS) - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.096	Name Identification Supplementary Service - Stage 3	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	24.135	Multicall Stage 3	R1999	3.1.0	Mar 00	Yes	N4	-	MITAMURA, Kazuo	NTT Communications Ware Corporation	SETTIMO, Franco		TSG#7:1.0.0->3.0.0 TSG#8:3.1.0	Yes	N
TS	25.101	UE Radio transmission and reception (FDD)	R1999	3.3.1	Oct 99	Yes	R4	-	FERNANDES, Edgar	MOTOROLA Ltd	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.102	UE Radio transmission and reception (TDD)	R1999	3.3.0	Oct 99	Yes	R4	-	KOTTKAMP, Meik	SIEMENS AG	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.104	UTRA (BS) FDD; Radio	R1999	3.3.0	Oct 99	Yes	R4	-	SKÖLD, Johan	ERICSSON	GUTIERREZ		TSG#7: 3.2.0	Yes	N

		transmission and reception								Telecomunicazioni SpA	MIGUELEZ, Cesar		TSG#8:3.3.0		
TS	25.105	UTRA (BS) TDD: Radio transmission and reception	R1999	3.3.0	Oct 99	Yes	R4	-	KOTTKAMP, Meik	SIEMENS AG	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.113	Base station EMC	R1999	3.2.0	Dec 99	Yes	R4	-	BARNES, David	DTI - Department of Trade and Industry	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.123	Requirements for support of radio resource management (TDD)	R1999	3.2.0	Dec 99	Yes	R4	-	FRANCESCHI, Olle	Nippon Ericsson K.K.	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.133	Requirements for support of radio resource management (FDD)	R1999	3.2.0	Dec 99	Yes	R4	-	FRANCESCHI, Olle	Nippon Ericsson K.K.	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.141	Base station conformance testing (FDD)	R1999	3.2.0	Dec 99	Yes	R4	-	NAKAMURA, Takaharu	Fujitsu Limited	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.142	Base station conformance testing (TDD)	R1999	3.2.1	Dec 99	Yes	R4	-	MEYER, Juergen	SIEMENS AG	GUTIERREZ MIGUELEZ, Cesar		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.201	Physical layer -General Description	R1999	3.1.0	Oct 99	Yes	R1	-	TOSKALA, Antti	NOKIA Corporation	IKEDA, Shinobu		TSG#5: 3.0.0; edito post#6: 3.0.1. TSG#7: 3.0.2 TSG#8:3.1.0	Yes	N
TS	25.211	Physical channels and mapping of transport channels onto physical channels (FDD)	R1999	3.3.0	Oct 99	Yes	R1	-	WILDE, Andreas	Nippon Ericsson K.K.	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.212	Multiplexing and channel coding (FDD)	R1999	3.3.0	Oct 99	Yes	R1	-	TANAKA, Yoshinori	FUJITSU Europe Telecom R & D Centre	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.213	Spreading and modulation (FDD)	R1999	3.3.0	Oct 99	Yes	R1	-	CHAMBERS, David	MOTOROLA Ltd	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.214	Physical layer procedures (FDD)	R1999	3.3.0	Oct 99	Yes	R1	-	NAKAMURA, Takaharu	Fujitsu Limited	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.215	Physical layer; Measurements (FDD)	R1999	3.3.0	Oct 99	Yes	R1	-	...		IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.221	Physical channels and mapping of transport channels onto physical channels (TDD)	R1999	3.3.0	Oct 99	Yes	R1	-	HIRAMATSU, Katsuhiko	Matsushita Communication Industrial Co, Ltd	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.222	Multiplexing and channel coding (TDD)	R1999	3.3.0	Oct 99	Yes	R1	-	KAHTAVA, Jussi	Nokia Japan Co. Ltd	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.223	Spreading and modulation (TDD)	R1999	3.3.0	Oct 99	Yes	R1	-	ITO, Kenji	Siemens K.K.	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N

TS	25.224	Pphysical layer procedures (TDD)	R1999	3.3.0	Oct 99	Yes	R1	-	OESTREICH, Stefan	SIEMENS AG	IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.225	Physical layer; Measurements (TDD)	R1999	3.3.0	Oct 99	Yes	R1	-	...		IKEDA, Shinobu		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.301	Radio Interface Protocol Architecture	R1999	3.5.0	April 99	Yes	R2	-	GRANZOW, Wolfgang	ERICSSON Eurolab Deutschland GmbH	VAN DER VEEN, Hans		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	N
TS	25.302	Services provided by the physical layer	R1999	3.5.0	Oct 99	Yes	R2	-	MIHAILESCU, Claudiu	NORTEL NETWORKS (EUROPE)	VAN DER VEEN, Hans	V3.0.0 approved via e-mail July 99 CR at TSG#5?	TSG#7: 3.4.0 TSG#8:3.5.0	Yes	N
TS	25.303	UE functions and inter-layer procedures in connected mode	R1999	3.4.0	Jun 99	Yes	R2	-	RINNE, Mikko J	Nokia Research Center	VAN DER VEEN, Hans		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	N
TS	25.304	UE Procedures in Idle Mode and Procedures for Cell Reselection in Connected Mode	R1999	3.3.0	Oct 99	Yes	R2	-	MAHKONEN, Marko	NOKIA MOBILE PHONES	VAN DER VEEN, Hans		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.305	Stage 2 Functional Specification of Location Services in UTRAN (LCS)	R1999	3.2.0	Mar 00	Yes	R2	-	MIHAILESCU, Claudiu	NORTEL NETWORKS (EUROPE)	VAN DER VEEN, Hans	Created from 25.923	TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.321	Medium Access Control (MAC) Protocol Specification	R1999	3.4.0	Jun 99	Yes	R2	-	SITTE, Armin	SIEMENS AG	VAN DER VEEN, Hans		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	N
TS	25.322	Radio Link Control (RLC) Protocol Specification	R1999	3.3.0	Oct 99	Yes	R2	-	DUMAZY, Jean	PHILIPS CONSUMER COMMUNICATION	VAN DER VEEN, Hans		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.323	Packet Data Convergence Protocol (PDCP) protocol	R1999	3.2.0	Dec 99	Yes	R2	-	HANS, Martin	ROBERT BOSCH GmbH	VAN DER VEEN, Hans		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.324	Radio Interface for Broadcast/Multicast Services	R1999	3.1.0	Dec 99	Yes	R2	-	KRISCHAN, Peter	MANNESMANN Mobilfunk GmbH	VAN DER VEEN, Hans		TSG#7: 3.1.0	Yes	N
TS	25.331	Radio Resource Control (RRC) Protocol Specification	R1999	3.3.0	Oct 99	Yes	R2	-	KUCHIBHOTLA, Ravi	MOTOROLA Ltd	VAN DER VEEN, Hans		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.401	UTRAN Overall Description	R1999	3.3.0	Oct 99	Yes	R3	-	CALMEL, Jean-Marie	NORTEL NETWORKS (EUROPE)	TAYLOR, Carolyn	Approval at TSG#5	TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.402	Synchronisation in UTRAN Stage 2	R1999	3.2.0	Dec 99	Yes	R3	-	PIOLINI, Flavio	SIEMENS Information and Communication Networks SpA	TAYLOR, Carolyn	New	TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.410	UTRAN Iu Interface: General Aspects and	R1999	3.2.0	Oct 99	Yes	R3	-	TOWNEND, Richard	BT	TAYLOR, Carolyn	Approval at TSG#5	TSG#7: 3.2.0	Yes	N

		Principles														
TS	25.411	UTRAN Iu interface Layer 1	R1999	3.2.0	Jun 99	Yes	R3	-	BRANDT, Achim V.	SIEMENS AG	TAYLOR, Carolyn		TSG#7: 3.2.0	Yes	N	
TS	25.412	UTRAN Iu interface signalling transport	R1999	3.4.0	Jun 99	Yes	R3	-	THAKARE, Kiran	RadioScape Limited	TAYLOR, Carolyn		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	N	
TS	25.413	UTRAN Iu interface RANAP signalling	R1999	3.2.0	Dec 99	Yes	R3	-	JUSSILA, Jyrki	NOKIA Corporation	TAYLOR, Carolyn		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N	
TS	25.414	UTRAN Iu interface data transport & transport signalling	R1999	3.4.0	Jun 99	Yes	R3	-	COMSTOCK, David	ERICSSON L.M. Telefonaktiebolaget	TAYLOR, Carolyn		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	N	
TS	25.415	UTRAN Iu interface user plane protocols	R1999	3.3.0	Oct 99	Yes	R3	-	MAUPIN, Alain	ERICSSON L.M. Telefonaktiebolaget	TAYLOR, Carolyn	Approval at TSG#5	TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N	
TS	25.419	UTRAN Iu interface: Cell broadcast protocols between SMS-CBC and RNC	R1999	3.1.0	Mar 00	Yes	R3	-	TAYLOR, Carolyn		TAYLOR, Carolyn	Created #6.	TSG#7: 2.0.0 (RP-000113) 3.0.0 TSG#8:3.1.0	Yes	N	
TS	25.420	UTRAN Iur Interface: General Aspects and Principles	R1999	3.1.0	Dec 99	Yes	R3	-	THAKARE, Kiran	RadioScape Limited	TAYLOR, Carolyn		TSG#7: 3.1.0	Yes	N	
TS	25.421	UTRAN Iur interface Layer 1	R1999	3.0.0	Jun 99	Yes	R3	-	BRANDT, Achim V.	SIEMENS AG	TAYLOR, Carolyn		.	Yes	N	
TS	25.422	UTRAN Iur interface signalling transport	R1999	3.4.0	Jun 99	Yes	R3	-	THAKARE, Kiran	RadioScape Limited	TAYLOR, Carolyn		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	N	
TS	25.423	UTRAN Iur interface RNSAP signalling	R1999	3.2.0	Dec 99	Yes	R3	-	RUNE, Göran	Ericsson Radio System AB	TAYLOR, Carolyn		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N	
TS	25.424	UTRAN Iur interface data transport & transport signalling for CCH data streams	R1999	3.3.0	Jun 99	Yes	R3	-	DREVON, Nicolas	ALCATEL CIT	TAYLOR, Carolyn		TSG#7:cr was to 3.0.0 3.2.0 TSG#8:3.3.0	Yes	N	
TS	25.425	UTRAN Iur interface user plane protocols for CCH data streams	R1999	3.2.0	Oct 99	Yes	R3	-	DREVON, Nicolas	ALCATEL CIT	TAYLOR, Carolyn		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N	
TS	25.426	UTRAN Iur and Iub interface data transport & transport signalling for DCH data streams	R1999	3.3.0	Jun 99	Yes	R3	-	KEKKI, Sami	NOKIA Corporation	TAYLOR, Carolyn		TSG#7:cr was to 3.0.0 3.2.0 TSG#8:3.3.0	Yes	N	
TS	25.427	UTRAN Iur and Iub interface user plane protocols for DCH data streams	R1999	3.3.0	Oct 99	Yes	R3	-	LONGONI, Fabio	NOKIA TELECOMMUNICATIONS FINLAND	TAYLOR, Carolyn		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N	
TS	25.430	UTRAN Iub Interface: General Aspects and Principles	R1999	3.2.0	Dec 99	Yes	R3	-	WILSON, Mick	FUJITSU Europe Telecom R & D Centre	TAYLOR, Carolyn		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N	

TS	25.431	UTRAN Iub interface Layer 1	R1999	3.0.0	Jun 99	Yes	R3	-	BRANDT, Achim V.	SIEMENS AG	TAYLOR, Carolyn		.	Yes	N
TS	25.432	UTRAN Iub interface signalling transport	R1999	3.1.0	Jun 99	Yes	R3	-	WILSON, Mick	FUJITSU Europe Telecom R & D Centre	TAYLOR, Carolyn		.	Yes	N
TS	25.433	UTRAN Iub interface NBAP signalling	R1999	3.2.0	Dec 99	Yes	R3	-	ISHIKAWA, Nobutaka	NTT Mobile Communications Network, Inc. (NTT DoCoMo)	TAYLOR, Carolyn		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	25.434	UTRAN Iub interface data transport & transport signalling for CCH data streams	R1999	3.2.0	Jun 99	Yes	R3	-	ALDEN, Magnus	Telia Research AB	TAYLOR, Carolyn		TSG#7: 3.2.0	Yes	N
TS	25.435	UTRAN Iub interface user plane protocols for CCH data streams	R1999	3.3.0	Oct 99	Yes	R3	-	CALMEL, Jean-Marie	NORTEL NETWORKS (EUROPE)	TAYLOR, Carolyn		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	25.442	UTRAN Implementation Specific O&M Transport	R1999	3.1.0	Oct 99	Yes	R3	-	RECKER, Stephan	MANNESMANN Mobilfunk GmbH	TAYLOR, Carolyn		TSG#7: 3.1.0	Yes	N
TR	25.831	Study Items for future release	R1999	0.0.2	Mar 00	Yes	R3	-	DREVON, Nicolas	ALCATEL CIT	TAYLOR, Carolyn		.	Yes	N
TR	25.832	Manifestations of Handover and SRNS relocation	R1999	3.0.0	Oct 99	Yes	R3	-	TOWNEND, Richard	BT	TAYLOR, Carolyn		.	Yes	N
TR	25.833	Physical layer items not for inclusion in Release 99	R1999	1.1.0	Mar 00	No	R1	-	...		IKEDA, Shinobu	Created Jan 2000 (aka R1.03)	TSG#8:1.1.0	Yes	N
TR	25.921	Guidelines and principles for protocol description and error handling	R1999	3.1.0	Dec 99	Yes	R2	-	DUMAZY, Jean	PHILIPS CONSUMER COMMUNICATION	VAN DER VEEN, Hans		TSG#7: 3.1.0	Yes	N
TR	25.922	Radio Resource Management Strategies	R1999	3.2.0	Dec 99	Yes	R2	-	MAGNANI, Nicola Pio	CSELT - Centro Studi e Laboratori Telecomunicazioni	VAN DER VEEN, Hans		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TR	25.925	Radio Interface for Broadcast/Multicast Services	R1999	3.1.0	Dec 99	Yes	R2	-	KRISCHAN, Peter	MANNESMANN Mobilfunk GmbH	VAN DER VEEN, Hans		TSG#7: 3.1.0	Yes	N
TR	25.926	UE Radio Access capabilities definition	R1999	3.1.0	Mar 00	Yes	R2	-	LUNDSJÖ, Johan	Ericsson Radio System AB	VAN DER VEEN, Hans		TSG#7:2.0.0 (RP-000052), 3.0.0 TSG#8:3.1.0	Yes	N
TR	25.931	UTRAN Functions, examples on signalling procedures	R1999	3.0.0	Mar 00	Yes	R3	-	SCARRONE, Enrico	TELECOM ITALIA S.p.A.	TAYLOR, Carolyn	New	TSG#7:1.2.4 (RP-000125) 1.2.4 TSG#8:2.0.0	Yes	N
TR	25.941	Document structure	R1999	3.1.0	Dec 99	Yes	R4	-	TAKAMI, Tadao	NTT Mobile Communications Network, Inc. (NTT DoCoMo)	GUTIERREZ MIGUELEZ, Cesar		.	Yes	N
TR	25.942	RF system scenarios	R1999	2.1.3	Mar 00	Yes	R4	-	BENABDALLAH,	OMNITEL Pronto	GUTIERREZ		TSG#7:2.1.3	Yes	N

TR	25.943	Deployment aspects	R1999	2.0.0	Mar 00	Yes	R4	-	Nadia SKÖLD, Johan	Italia SpA ERICSSON Telecomunicazioni SpA	MIGUELEZ, Cesar GUTIERREZ MIGUELEZ, Cesar		2.1.3 TSG#7:2.0.0	Yes	N
TR	25.944	Channel coding and multiplexing examples	R1999	3.1.0	Mar 00	Yes	R1	-	NAKAMURA, Takaharu	Fujitsu Limited	IKEDA, Shinobu	Created Jan 2000 (aka R1.04)	TSG#7:1.0.1, 3.0.0 TSG#8:3.1.0	Yes	N
TR	25.990	Vocabulary for UTRAN	R1999	3.0.0	Oct 99	Yes	R4	-	OKRAH, Peter	Motorola Inc.	GUTIERREZ MIGUELEZ, Cesar		.	Yes	N
TS	26.071	AMR speech Codec; General description	R1999	3.0.1	Jun 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	26.073	AMR speech Codec; C-source code	R1999	3.1.0	Dec 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	approved TSG#6. TSG#7: 3.1.0	Yes	N
TS	26.074	AMR speech Codec; Test sequences	R1999	3.0.2	Dec 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	26.090	AMR speech Codec; Transcoding Functions	R1999	3.1.0	Jun 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	26.091	AMR speech Codec; Error concealment of lost frames	R1999	3.1.0	Jun 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	26.092	AMR speech Codec; comfort noise for AMR Speech Traffic Channels	R1999	3.0.1	Jun 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	26.093	AMR speech Codec; Source Controlled Rate operation	R1999	3.2.0	Jun 99	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Transfer>TSG#4	TSG#8:3.2.0	Yes	N
TS	26.094	AMR Speech Codec; Voice Activity Detector for AMR Speech Traffic Channels	R1999	3.0.0	Oct 99	Yes	S4	-	...		USAI, Paolino	Transfer>TSG#4	.	Yes	N
TS	26.101	AMR speech Codec; Frame Structure	R1999	3.1.0	Dec 99	Yes	S4	-	HAGQVIST, Jari	NOKIA Corporation	USAI, Paolino		TSG#7: 3.1.0	Yes	N
TS	26.102	AMR speech Codec; Interface to lu and Uu	R1999	3.1.0	Dec 99	Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		TSG#7: 3.1.0	Yes	N
TS	26.103	Codec lists	R1999	3.0.0	Dec 99	Yes	S4	-	HELLWIG, Karl	ERICSSON Eurolab Deutschland GmbH	USAI, Paolino	New after TSG#5	.	Yes	N
TS	26.104	AMR speech Codec; Floating point C-Code	R1999	3.0.0	Mar 00	No	S4	-	...		USAI, Paolino		New at TSG#6. TSG#7:0.3.0 (SP-000022) 0.3.0 TSG#8:3.0.0 (1.0.0)	Yes	N

TS	26.110	Codec for Circuit switched Multimedia Telephony Service; General Description	R1999	3.0.1	Jun 99	Yes	S4	-	ARONSON, Barry	TOSHIBA CO	USAI, Paolino		.	Yes	N
TS	26.111	Codec for Circuit switched Multimedia Telephony Service; Modifications to H.324	R1999	3.2.0	Jun 99	Yes	S4	-	ARONSON, Barry	TOSHIBA CO	USAI, Paolino	CR at TSG#5	TSG#8:3.2.0	Yes	N
TS	26.131	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Characteristics	R1999	3.1.0	Dec 99	Yes	S4	-	GOETZ, Ian	TELLABS OPERATIONS INC.	USAI, Paolino		TSG#8:3.1.0	Yes	N
TS	26.132	Narrow Band (3,1kHz) Speech & Video Telephony Terminal Acoustic Test Specification.	R1999	3.0.0	Jun 00	Yes	S4	-	GOETZ, Ian	TELLABS OPERATIONS INC.	USAI, Paolino		Feb00: 0.0.1 TSG#8:3.0.0 (1.0.0)	Yes	N
TR	26.911	Codec for Circuit switched Multimedia Telephony Service; Terminal Implementor's Guide	R1999	3.2.0	Jun 99	Yes	S4	-	HAAVISTO, Petri	Nokia Research Center	USAI, Paolino		.	Yes	N
TR	26.912	Codec for Circuit switched Multimedia Telephony Service; Quantitative performance evaluation of H.324 Annex C over 3G	R1999	3.0.0	Mar 00	Yes	S4	-	FRANCESCHI, Olle	Nippon Ericsson K.K.	USAI, Paolino		TSG#7:2.0.0 (SP-000019), 3.0.0	Yes	N
TR	26.913	Quantitative performance evaluation of real-time packet switched multimedia services over 3G	R1999	0.0.1	Mar 00	Yes	S4	-	HONKO, Harri	Nokia Research Center	USAI, Paolino		.	Yes	N
TR	26.915	QoS for Speech and Multimedia Codec; Quantitative performance evaluation of real-time packet switched multimedia services over 3G	R1999	3.0.0	Mar 00	Yes	S4	-	GOETZ, Ian	TELLABS OPERATIONS INC.	USAI, Paolino	May00: May be converted to TS 26.115 some time in future.	TSG#7:1.0.0 (SP-000020), 3.0.0	Yes	N
TR	26.975	Performance characterization of the AMR speech codec	R1999	1.1.0	Mar 00	Yes	S4	-	EKUDDEN, Erik	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino	Replaces 26.075.	was 25.075; Feb00: 1.1.0. TSG#7: 1.1.0	Yes	N
TS	27.001	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	R1999	3.5.0	April 99	Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	27.002	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities	R1999	3.4.0	April 99	Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	27.003	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities	R1999	3.4.0	April 99	Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye
TS	27.005	Use of Data Terminal	R1999	3.1.0	Jun 99	Yes	T2	-	HARRIS, Ian	VODAFONE	RODERMUND,		.	Yes	Ye

		Equipment - Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)								Group Plc	Friedhelm				
TS	27.007	AT command set for 3G User Equipment (UE)	R1999	3.5.0	Jun 99	Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		TSG#8:3.5.0	Yes	Ye
TS	27.010	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)	R1999	3.3.0	Jun 99	Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		additional CR for R99 on UMTS amendments expected at TSG-T#7. TSG#7: 3.3.0	Yes	Ye
TS	27.060	GPRS Mobile Stations supporting GPRS	R1999	3.4.0	April 99	Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David		TSG#7: 3.4.0	Yes	Ye
TS	27.103	Wide Area Network Synchronisation	R1999	3.0.0	Oct 99	Yes	T2	-	LOCKHART, Rob	MOTOROLA	RODERMUND, Friedhelm		TSG#8:3.1.0 but this CR not impementable.	Yes	Ye
TR	27.901	Report on Terminal Interfaces - An Overview	R1999	3.0.0	Dec 99	Yes	T2	-	REX, Thomas	ERICSSON MOBILE COMMUNICATIONS AB	RODERMUND, Friedhelm		.	Yes	N
TR	27.903	Discussion of Synchronisation Standards	R1999	3.0.0	Oct 99	Yes	T2	-	LOCKHART, Rob	MOTOROLA	RODERMUND, Friedhelm		.	Yes	N
TS	29.002	Mobile Application Part (MAP)	R1999	3.5.2	April 99	Yes	N4	-	...		SETTIMO, Franco		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	29.007	General requirements on Interworking between the PLMN and the ISDN or PSTN	R1999	3.5.0	April 99	Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye
TS	29.010	Information Element Mapping between Mobile Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)	R1999	3.2.0	Oct 99	Yes	N4	-	...		SETTIMO, Franco	Transfer>TSG#4 (transfer??)	TSG#7: 3.2.0	Yes	Ye
TS	29.011	Signalling Interworking for Supplementary Services	R1999	3.0.0	April 99	Yes	N4	-	...		SETTIMO, Franco		.	Yes	Ye
TS	29.013	Signalling interworking between ISDN	R1999	3.0.0	Oct 99	Yes	N4	-	...		SETTIMO, Franco	Transfer>TSG#4	.	Yes	Ye

		supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols														
TS	29.016	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification	R1999	3.0.0	April 99	Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban				Yes	Ye
TS	29.018	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification	R1999	3.3.0	April 99	Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		TSG#7: 3.3.0	Yes	Ye	
TS	29.060	GPRS Tunnelling protocol (GTP) across the Gn and Gp interface	R1999	3.5.0	April 99	Yes	N4	-	OLTEDAL, Einar	ERICSSON L.M. Telefonaktiebolaget	SETTIMO, Franco		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	Ye	
TS	29.061	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	R1999	3.3.0	April 99	Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David		TSG#7: 3.3.0	Yes	Ye	
TS	29.078	CAMEL; Stage 3	R1999	3.4.1	Oct 99	Yes	N2	-	NOLDUS, Rogier	ERICSSON L.M. Telefonaktiebolaget	HELLMAN, Monica	Transfer>TSG#4	CR@TSG#6, note version changes are not available, 3.1.0 was not created. TSG#7: 3.3.0 TSG#8:3.4.0	Yes	Ye	
TS	29.108	Application of the Radio Access Network Application Part (RANAP) on the E-interface	R1999	3.0.0	Jun 00	Yes	R3	-	VESELY, Alexander	SIEMENS AG	TAYLOR, Carolyn	TSG#8:Appeared as v2.0.0 (RP-000258)	TSG#8:3.0.0 (2.0.0)	Yes	N	
TS	29.119	GPRS Tunnelling Protocol (GTP) specification for Gateway Location Register (GLR)	R1999	3.0.0	Mar 00	Yes	N4	-	AIKAWA, Shinichiro	Fujitsu Limited	SETTIMO, Franco	New after TSG#5	Functionally frozen by CN#6. TSG#7:2.0.0 (TP-000107) 3.0.0	Yes	N	
TS	29.120	Mobile Application Part (MAP) specification for Gateway Location Register (GLR); stage 3	R1999	3.0.0	Mar 00	Yes	N4	-	MITAMURA, Kazuo	NTT Communications Ware Corporation	SETTIMO, Franco	New after TSG#5	Functionally frozen by CN#6, CN#7 is the new target for approval as part of R99. TSG#7:2.0.0 3.0.0	Yes	N	
TS	29.198	Open Services Architecture API part 1	R1999	3.0.0	Jun 00	Yes	N5	-	HU, Yun Chao	Nippon Ericsson K.K.	HELLMAN, Monica	OSA subgroup. Was incorrectly shown as a TR;	TSG#7:1.0.0 (TP-000056) 1.0.0	Yes	N	

												fixed @N#9.	TSG#8:3.0.0 (2.0.0)		
TR	29.998	Open Services Architecture API part 2	R1999	3.0.0	Jun 00	Yes	N5	-	HU, Yun Chao	Nippon Ericsson K.K.	HELLMAN, Monica	OSA subgroup	TSG#7:1.0.0 (TP-000057) 1.0.0 TSG#8:3.0.0 (2.0.0)	Yes	N
TR	30.531	Work Plan and Study Items - RAN WG3	R1999	0.8.0	Mar 00	Yes	R3	-	EHRSTEDT, Bjorn	ERICSSON L.M. Telefonaktiebolaget	TAYLOR, Carolyn		TSG#7:0.7.0 (RP-000142) 0.7.0 TSG#8:0.8.0 TSG#9:0.8.1	Yes	N
TS	31.101	UICC-terminal interface; Physical and logical characteristics	R1999	3.2.0	Dec 99	Yes	T3	T3 / SCP	LINDHOLM, Rune	NOKIA MOBILE PHONES	SANDERS, Michael		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	31.102	Characteristics of the USIM Application	R1999	3.2.0	Dec 99	Yes	T3	-	KOBAYASHI, Makoto	Nippon Ericsson K.K.	SANDERS, Michael		TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	31.110	Numbering system for telecommunication IC card applications	R1999	3.1.0	Dec 99	Yes	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael		TSG#7: 3.1.0	Yes	N
TS	31.111	USIM Application Toolkit (USAT)	R1999	3.1.0	Mar 00	Yes	T3	-	WOODSEND, Kristian	ASPECTS Software Ltd	SANDERS, Michael		TSG#7: 3.0.0 TSG#8:3.1.0	Yes	N
TS	31.120	Terminal tests for the UICC Interface; part 1	R1999	0.0.0	Jun 00	No	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael	based on R99 core spec; split into 2 parts (this is 1)		Yes	N
TS	31.121	Terminal tests for the UICC Interface; part 2	R1999	0.0.0	Jun 00	No	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael	based on R99 core spec; split into 2 parts (this is 2)		Yes	N
TS	31.122	UICC Test Specification	R1999	0.0.0	Jun 00	No	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael	based on R99 core spec; was originally 31.121 but renumbered which 31.120 was split into two parts		Yes	N
TS	32.005	Telecommunications Management; Charging and billing; GSM call and event data for the Circuit Switched (CS) domain	R1999	3.1.0	Jun 00	Yes	S5	-	NENNER, Karl Heinz	Deutsche Telekom MobilNet GmbH	ZOICAS, Adrian		Title change. TSG#7: TSG#8:3.1.0	Yes	N
TS	32.015	Telecommunications Management; Charging and billing; GSM call and event data for the Packet Switched (PS) domain	R1999	3.2.0	Jun 00	Yes	S5	-	NENNER, Karl Heinz	Deutsche Telekom MobilNet GmbH	ZOICAS, Adrian		Title change. TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	32.101	3G Telecom Management principles and high level	R1999	3.2.0	Mar 00	Yes	S5	-	TRUSS, Michael	MOTOROLA Ltd	ZOICAS, Adrian		Outstanding R99 issues.	Yes	N

		requirements											TSG#7: 3.1.0 TSG#8:3.2.0		
TS	32.102	3G Telecom Management Architecture	R1999	3.2.0	Mar 00	Yes	S5	-	BERGGREN, Tommy	Telia Mobile AB	ZOICAS, Adrian		Outstanding R99 issues. TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	32.104	3G Performance Management	R1999	3.2.0	Mar 00	Yes	S5	-	NENNER, Karl Heinz	Deutsche Telekom MobilNet GmbH	ZOICAS, Adrian		Outstanding R99 issues. TSG#7: 3.1.0 TSG#8:3.2.0	Yes	N
TS	32.105	Charging & Billing; GSM call and event data for the Circuit Switched (CS) domain	R1999	0.0.1	Jun 00	Yes	S5	-	NENNER, Karl Heinz	Deutsche Telekom MobilNet GmbH	ZOICAS, Adrian		New at TSG#6. TSG#7:	Yes	N
TS	32.106-1	Telecommunication Management; Configuration Management; Part 1: 3G configuration management; Concept and requirements	R1999	3.1.0	Mar 00	Yes	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.106-2	Telecommunication Management; Configuration Management; Part 2: Notification Integration Reference Point; Information Service version 1	R1999	3.1.0	Mar 00	Yes	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.106-3	Telecommunication Management; Configuration Management; Part 3: Notification Integration Reference Point; CORBA solution set version 1:1	R1999	3.1.0	Mar 00	Yes	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.106-4	Telecommunication Management; Configuration Management; Part 4: Notification Integration Reference Point: CMIP Solution Set Version 1:1	R1999	3.1.0	Mar 00	Yes	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.106-5	Telecommunication Management; Configuration Management; Part 5: Basic Configuration Management IRP information model (including NRM) version 1	R1999	0.0.0	Dec 00	No	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)	Yes	N
TS	32.106-6	Telecommunication Management; Configuration Management; Part 6: Basic Configuration Management IRP CORBA solution set version 1:1	R1999	0.0.0	Dec 00	No	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 (not certain this part will be R99)	Yes	N
TS	32.106-7	Telecommunication	R1999	0.0.0	Dec 00	No	S5	-	TOVINGER,	ERICSSON L.M.	ZOICAS, Adrian	TSG#8: split into	TSG#8:	Yes	N

		Management; Configuration Management; Part 7: Basic Configuration Management IRP CMIP solution set version 1:1							Thomas	Telefonaktiebolaget		eight parts	multipart split from parent 3.0.1 (not certain this part will be R99)		
TS	32.106-8	Telecommunication Management; Configuration Management; Part 8: Name convention for Managed Objects	R1999	3.1.0	Mar 00	Yes	S5	-	TOVINGER, Thomas	ERICSSON L.M. Telefonaktiebolaget	ZOICAS, Adrian	TSG#8: split into eight parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.111-1	Telecommunication Management; Fault Management; Part 1: 3G fault management requirements	R1999	3.1.0	Jun 00	Yes	S5	-	JURE, Patrick	Lucent Technologies France	ZOICAS, Adrian	TSG#8: split into 4 parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.111-2	Telecommunication Management; Fault Management; Part 2: Alarm Integration Reference Point: Information Service	R1999	3.1.1	Jun 00	Yes	S5	-	JURE, Patrick	Lucent Technologies France	ZOICAS, Adrian	TSG#8: split into 4 parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.111-3	Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA solution set version 1:1	R1999	3.1.0	Jun 00	Yes	S5	-	JURE, Patrick	Lucent Technologies France	ZOICAS, Adrian	TSG#8: split into 4 parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	32.111-4	Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP solution set	R1999	3.1.1	Jun 00	Yes	S5	-	JURE, Patrick	Lucent Technologies France	ZOICAS, Adrian	TSG#8: split into 4 parts	TSG#8: multipart split from parent 3.0.1 TSG#8:3.1.0	Yes	N
TS	33.102	Security Architecture	R1999	3.5.0	Mar 00	Yes	S3	-	VINCK, Bart	SIEMENS AG	POPE, Maurice		TSG#7: 3.4.0 TSG#8:3.5.0	Yes	N
TS	33.103	Security Integration Guidelines	R1999	3.3.0	Oct 99	Yes	S3	-	BLANCHARD, Colin	BT	POPE, Maurice		TSG#7: 3.2.0 TSG#8:3.3.0	Yes	N
TS	33.105	Cryptographic Algorithm requirements	R1999	3.4.0	Jun 99	Yes	S3	-	CHIKAZAWA, Takeshi		POPE, Maurice		TSG#7: 3.3.0 TSG#8:3.4.0	Yes	N
TS	33.106	Lawful interception requirements	R1999	3.1.0	Jun 00	Yes	S3	-	WILHELM, Berthold	Reg TP	POPE, Maurice		.	Yes	N
TS	33.107	Lawful interception architecture and functions	R1999	3.0.0	Dec 99	Yes	S3	-	WILHELM, Berthold	Reg TP	POPE, Maurice		New at TSG#6 approved	Yes	N
TS	33.120	Security Objectives and Principles	R1999	3.0.0	April 99	Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice		.	Yes	N
TR	33.900	Guide to 3G security	R1999	1.2.0	Mar 00	Yes	S3	-	BROOKSON,	DTI - Department	POPE, Maurice		New at TSG#6	Yes	N

									Charles	of Trade and Industry					
TR	33.901	Criteria for cryptographic Algorithm design process	R1999	3.0.0	Jun 99	Yes	S3	-	BLOM, Rolf	ERICSSON L.M. Telefonaktiebolaget	POPE, Maurice			Yes	N
TR	33.902	Formal Analysis of the 3G Authentication Protocol	R1999	3.1.0	Oct 99	Yes	S3	-	HORN, Guenther	SIEMENS AG	POPE, Maurice			Yes	N
TR	33.908	Security Algorithms Group of Experts (SAGE); General report on the design, specification and evaluation of 3GPP standard confidentiality and integrity algorithms	R1999	3.0.0	Mar 00	Yes	S3	-	WALKER, Michael	VODAFONE Group Plc	POPE, Maurice	TSG#7: S3-000105=NP-000049	TSG#7 SP-000039	Yes	N
TR	33.909	ETSI SAGE 3GPP Standards Algorithms Task Force: Report on the evaluation of 3GPP standard confidentiality and integrity algorithms	R1999	3.0.0	Jun 00	No	S3	-	WALKER, Michael	VODAFONE Group Plc	POPE, Maurice	TSG#7: Is a reference in 33.908	TSG#7: referred to in 33.908.	Yes	N
TS	34.108	Common Test Environments for User Equipment (UE) Conformance Testing	R1999	3.0.1	Jun 00	Yes	T1	-	CHALABI, Nouhman	Anite Telecoms Ltd.	SALMERON, Lidia		TSG#7:(TP-000032) 1.0.0, 1.0.1 TSG#8:aprvl is controversial TSG#8:3.0.0 (2.0.0)	Yes	N
TS	34.109	Logical Test Interface (TDD and FDD)	R1999	3.0.0	Jun 00	Yes	T1	R2	MATTISSON, Leif	ERICSSON L.M. Telefonaktiebolaget	SALMERON, Lidia	TSG#7: Will be transferred to RAN2 after approval. TSG#8:txfer is delayed.	Feb00: 1.1.0 TSG#7: 1.2.0 TSG#8:3.0.0 (2.0.0)	Yes	N
TS	34.121	Terminal Conformance Specification, Radio Transmission and Reception (FDD)	R1999	3.1.0	Mar 00	Yes	T1	-	HIGUCHI, Kenji	ADVANTEST Corporation	SALMERON, Lidia		TSG#7: 2.0.0(TP-000033), 3.0.0 TSG#8:3.1.0	Yes	N
TS	34.122	Terminal Conformance Specification, Radio Transmission and Reception (TDD)	R1999	3.0.1	Jun 00	Yes	T1	-	MAUCKSCH, Thomas	ROHDE & SCHWARZ GmbH & Co.KG	SALMERON, Lidia		TSG#7: 1.2.0 TSG#8:3.0.0 (2.0.0)	Yes	N
TS	34.123-1	UE Conformance Specification, Part 1 – Conformance specification	R1999	3.0.0	Jun 00	Yes	T1	-	SALMERON, Lidia	ETSI Secretariat	SALMERON, Lidia		TSG#8:3.0.0 (2.0.0)	Yes	N
TS	34.123-2	UE Conformance Specification, Part 2 – ICS	R1999	1.0.1	Jun 00	Yes	T1	-	HU, Shicheng	ETSI Secretariat	SALMERON, Lidia		TSG#7: 1.0.1 TSG#8: aprvl target postponed to end-00;TP-000137	Yes	N

TS	34.123-3	UE Conformance Specification, Part 3 – Abstract Test suites	R1999	0.0.0	Mar 01	Yes	T1	-	HU, Shicheng	ETSI Secretariat	SALMERON, Lidia		.	Yes	N
TS	34.124	Electro-Magnetic Compatibility (EMC) for Terminal equipment - stage 1	R1999	3.0.0	Mar 00	Yes	T1	-	SOERENSEN, Ole	NOKIA MOBILE PHONES	SALMERON, Lidia		TSG#7: 2.0.1(SP-000034), 3.0.0	Yes	N
TR	34.907	Report on electrical safety requirements and regulations	R1999	3.0.0	Oct 99	Yes	T2	-	IIMORI, Eiji	Toshiba Corporation	RODERMUND, Friedhelm		.	Yes	N
TR	34.925	Specific Absorption Rate (SAR) requirements and regulations in different regions	R1999	3.0.0	Jun 99	Yes	T2	-	JOHNSSON, Sven	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		.	Yes	N
TS	35.201	Specification of the 3GPP confidentiality and integrity algorithms; Document 1: f8 and f9 specifications	R1999	3.1.0	Mar 00	Yes	S3	-	WALKER, Michael	VODAFONE Group Plc	POPE, Maurice	ex SAGE - not publicly available; supplied by ETSI under licence	TSG#7: 3.1.0 ex SAGE 3.1.0	Yes	N
TS	35.202	Specification of the 3GPP confidentiality and integrity algorithms; Document 2: Kasumi algorithm specification	R1999	3.1.0	Mar 00	Yes	S3	-	WALKER, Michael	VODAFONE Group Plc	POPE, Maurice	ex SAGE - not publicly available; supplied by ETSI under licence	TSG#7: 3.1.0 ex SAGE 3.1.0	Yes	N
TS	35.203	Specification of the 3GPP confidentiality and integrity algorithms; Document 3: Implementors' test data	R1999	3.1.0	Mar 00	Yes	S3	-	WALKER, Michael	VODAFONE Group Plc	POPE, Maurice	ex SAGE - not publicly available; supplied by ETSI under licence	TSG#7: 3.1.0 ex SAGE 3.1.0	Yes	N
TS	35.204	Specification of the 3GPP confidentiality and integrity algorithms; Document 4: Design conformance test data	R1999	3.1.0	Mar 00	Yes	S3	-	WALKER, Michael	VODAFONE Group Plc	POPE, Maurice	ex SAGE - not publicly available; supplied by ETSI under licence	TSG#7: 3.1.0 ex SAGE 3.1.0	Yes	N
	01.00	Working Procedures for SMG	R1998	7.2.0		Yes	SP	-	BERGMANN, Ansgar	ETSI Secretariat	POPE, Maurice		#27: 7D1.0 #28: 7.0.0 #29:7.1.0 #30: 7.2.0	No	N
	01.04	Abbreviations and Acronyms	R1998	7.0.0		Yes	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino		#29: 7.0.0	No	N
	01.31	Fraud Information Gathering System (FIGS); Service requirements - Stage 0	R1998	7.0.1		Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice		#23: 5.0.0 #25: 7.0.0 (5.x.y withdrawn) #26: 7.0.1	No	N
	01.33	Lawful Interception requirements for GSM	R1998	7.0.0		Yes	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice		#25: 7.0.0 (renumbered from 10.20)	No	N
	01.56	GSM Cordless Telephony System (CTS) (Phase 1); CTS Authentication and Key Generation Algorithms Requirements	R1998	7.0.0		Yes	S1	-	MESSIET, Samira	ALCATEL France	CLAYTON, Michael		#28 for info #29: 7.0.0	No	N

02.01	Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	R1998	7.1.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael		#28: 7.0.0 #29: 7.1.0	No	N
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	R1998	7.0.2		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael		#28: 7.0.0	No	N
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	R1998	7.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#29: 7.0.0	No	N
02.04	General on Supplementary Services	R1998	7.1.2		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael		#25: 7.0.0 #28: 7.1.0 #29: 7.1.1	No	N
02.06	Types of Mobile Stations (MS)	R1998	7.0.1		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#29: 7.0.0	No	N
02.07	Mobile Station (MS) Features	R1998	7.1.0		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#27: 7.0.0 TSG#7:7.1.0	No	N
02.09	Security Aspects	R1998	7.1.0		Yes	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#29: 7.0.0 #31:7.1.0	No	N
02.11	Service Accessibility	R1998	7.0.1		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#27: 7.0.0	No	N
02.16	International Mobile Station Equipment Identities (IMEI)	R1998	7.2.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#29: 7.0.0 #30: 7.1.0 TSG#8:7.2.0	No	N
02.17	Subscriber Identity Modules, Functional Characteristics	R1998	7.1.1		Yes	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael		7.1.0	No	N
02.19	Subscriber Identity Module Application Programming Interface (SIM API); Service description; Stage 1	R1998	7.1.0		Yes	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael	SMG9->T3@#31	#27: 7.0.0 #29: 7.1.0	No	N
02.22	Stage 1 for Personalisation of GSM ME	R1998	7.0.0		Yes	S1		DURAND, Romain	ALCATEL France	CLAYTON, Michael		#29: 7.0.0	No	N
02.24	Description of Charge Advice Information (CAI)	R1998	7.0.0		Yes	S1		DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael		#29: 7.0.0	No	Ye
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	R1998	7.1.0		Yes	S1		JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#28: 7.0.0 #29: 7.1.0	No	N
02.31	Fraud Information Gathering System (FIGS) Service description - Stage	R1998	7.1.1		Yes	S3		WRIGHT, Tim	BT	POPE, Maurice		#23: 5.0.0 #25: 7.0.0 #26: 7.1.0 (5.0.0)	No	N

	1											withdrawn)		
02.32	Immediate Service Termination (IST); Service description - Stage 1	R1998	7.1.1		Yes	S3		WRIGHT, Tim	BT	POPE, Maurice		#25: 7.0.0 #26: 7.1.0	No	N
02.33	Lawful Interception - Stage 1	R1998	7.3.0		Yes	S3		MILES, David F.	BT Cellnet	POPE, Maurice		#20: 5.0.0 #25: 7.0.0 (5.0.0 withdrawn) #27: 7.1.0 #28: 7.2.0 #29: 7.3.0	No	N
02.34	High Speed Circuit Switched Data (HSCSD) - Stage 1	R1998	7.0.0		Yes	S1		MUHONEN, Ahti	NOKIA Corporation	CLAYTON, Michael		#29: 7.0.0	No	N
02.40	Procedures for Call Progress Indications	R1998	7.0.1		Yes	S1	NP	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	R99 -> 22.101	#27: 7.0.0	No	N
02.41	Operator Determined Barring	R1998	7.0.0		Yes	S1		...		CLAYTON, Michael		#29: 7.0.0	No	N
02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	R1998	7.0.0		Yes	S1		GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#29: 7.0.0	No	N
02.43	Support of Localised Service Area (SoLSA); Service description; Stage 1	R1998	7.3.0		Yes	S1		KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael		#27: 7.0.0 #29: 7.1.0 TSG#5 7.2.0 TSG#8:7.3.0	No	N
02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	R1998	7.0.0		Yes	T3	S3	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31	#29: 7.0.0	No	N
02.53	Tandem Free Operation (TFO); Service description; Stage 1	R1998	7.0.1		Yes	S4		NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino	SMG11->S4 at SMG#30	#25: 7.0.0 (5.x.y withdrawn)	No	N
02.56	GSM Cordless Telephony System (CTS), Phase 1; Service description; Stage 1	R1998	7.2.0		Yes	S1	-	GALLIGO, Michel	ALCATEL France	CLAYTON, Michael		#27: 7.0.0 #28: 7.1.0 #29: 7.2.0	No	N
02.57	Mobile Station Application Execution Environment (MExE) Service description Stage 1	R1998	7.1.0		Yes	S1	-	...		CLAYTON, Michael		#25: 7.0.0 #29: 7.1.0	No	N
02.60	General Packet Radio Service Stage 1 Description	R1998	7.5.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#21: 5.0.0 #23: 5.1.0 #24: 5.2.0 #25: 7.0.0 (5.x.y withdrawn) #28: 7.1.0 #29: 7.2.0 TSG#5 7.3.0. Suspect TSG#5 CR not approved. TSG#7: 7.4.0 TSG#8:7.5.0	No	N

02.63	Packet Data on Signalling channels Service (PDS) - Stage 1	R1998	7.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#29: 7.0.0	No	N
02.66	Support of Mobile Number Portability (MNP); Service description; Stage 1	R1998	7.1.0		Yes	S1	-	...		CLAYTON, Michael		#24: 5.0.0 #25: 7.0.0 (5.0.0 withdrawn) TSG#7: 7.1.0	No	N
02.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP) - Stage 1	R1998	7.0.0		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#29: 7.0.0	No	N
02.68	Voice Group Call Service (VGCS) - Stage 1	R1998	7.0.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#28: 7.0.0	No	N
02.69	Voice Broadcast Service (VBS) - Stage 1	R1998	7.0.2		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#28: 7.0.0	No	N
02.71	Location Services (LCS) - Stage 1	R1998	7.2.0		Yes	S1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	CLAYTON, Michael		#28: 1.0.0 #29: 7.0.0 TSG#5 7.1.0 TSG#6: 7.2.0	No	N
02.72	Call Deflection Service description, Stage 1	R1998	7.2.1		Yes	S1	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#19: 5.0.0 #25: 7.0.0 (5.0.0 withdrawn) #27: 7.1.0 #28: 7.2.0	No	N
02.76	Noise Suppression for the AMR	R1998	8.0.0		Yes	S4	-	...		USAI, Paolino		#29: 2.0.0 but approval status unclear. R98 or R99? Conclusion: was approved, R99.	No	N
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	R1998	7.0.0		Yes	S1	-	KLEIER, Stephan	MANNESMANN Mobilfunk GmbH	CLAYTON, Michael		#29: 7.0.0	No	N
02.79	Support of Optimal Routing (SOR); Service definition (Stage 1)	R1998	7.0.0		Yes	S1	-	FREY, Sophie	CEGETEL	CLAYTON, Michael		#29: 7.0.0	No	N
02.81	Line Identification Supplementary Services - Stage 1	R1998	7.0.0		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#29: 7.0.0	No	N
02.82	Call Forwarding (CF) Supplementary Services - Stage 1	R1998	7.0.1		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#28: 7.0.0	No	N
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 1	R1998	7.0.0		Yes	S1	-	...		CLAYTON, Michael		#29: 7.0.0	No	N

02.84	MultiParty (MPY) Supplementary Services - Stage 1	R1998	7.0.0		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael		#29: 7.0.0	No	N
02.85	Closed User Group (CUG) Supplementary Services - Stage 1	R1998	7.0.0		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#29: 7.0.0	No	N
02.86	Advice of Charge (AoC) Supplementary Services - Stage 1	R1998	7.0.0		Yes	S1	-	CRAWFORD, Ian	VODAFONE Group Plc	CLAYTON, Michael		#29: 7.0.0	No	N
02.87	User-to-User Signalling (UUS) Service Description, Stage 1	R1998	7.1.2		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#18: 5.0.0 #20: 5.1.0 #21: 5.2.0 #23: 5.3.0 #25: 7.0.0 (5.x.y withdrawn) #28: 7.1.0 #29: 7.1.1	No	N
02.88	Call Barring (CB) Supplementary Services - Stage 1	R1998	7.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#29: 7.0.0	No	N
02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	R1998	7.0.0		Yes	S1	-	SLOTTE, Sverre	NOKIA Corporation	CLAYTON, Michael		#29: 7.0.0	No	N
02.91	Explicit Call Transfer (ECT)	R1998	7.0.0		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael		#29: 7.0.0	No	N
02.93	Completion of Calls to Busy Subscriber (CCBS) Service Description - Stage 1	R1998	7.0.0		Yes	S1	-	...		CLAYTON, Michael		#29: 7.0.0	No	N
02.95	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	R1998	7.0.0		Yes	S1	-	...		CLAYTON, Michael		#29: 7.0.0	No	N
02.96	Name Identification Supplementary Services; Stage 1	R1998	7.0.0		Yes	S1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	CLAYTON, Michael		#29: 7.0.0	No	N
02.97	Multile Subscriber Profile (MSP) Service description, Stage 1	R1998	7.1.0		Yes	S1	-	...		CLAYTON, Michael		#19: 5.0.0 #22: 5.1.0 #23: 5.2.0 #25: 7.0.0 (5.x.y withdrawn) #29: 7.1.0	No	N
03.01	Network Functions	R1998	7.0.0		Yes	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7	#29:7.0.0	No	N
03.02	Network Architecture	R1998	7.1.0		Yes	S2	NP / T2	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain		#29: 7.0.0 S#6: 7.1.0	No	N
03.03	Numbering, Addressing and Identification	R1998	7.5.0		Yes	N4	T2	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #28: 7.0.0	No	N

												#29: 7.1.0 TSG#5 7.2.0 TSG#6 7.3.0 edito:7.3.1 TSG#7: 7.4.0 TSG#8:7.5.0		
03.05	Technical performance objectives	R1998	7.0.0		Yes	NP	-	...		BOSWARTHICK, David		#29: 7.0.0	No	N
03.07	Restoration Procedures	R1998	7.1.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#29: 7.0.0 N#6: 7.1.0	No	N
03.08	Organization of Subscriber Data	R1998	7.3.0		Yes	N4	-	BAUER, Rolf	ALCATEL SEL AG	SETTIMO, Franco		#28: 7.0.0 #29: 7.1.0 TSG#6: 7.2.0 TSG#7: 7.3.0	No	N
03.09	Handover Procedures	R1998	7.0.0		Yes	N1	-	FARHOUMAND, Rouzbeh	Ericsson Incorporated	AL -BAKRI, Ban		#29: 7.0.0	No	N
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	R1998	7.0.1		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		#27: 7.0.0	No	N
03.11	Technical Realization of Supplementary Services - General Aspects	R1998	7.0.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#29: 7.0.0	No	N
03.12	Location Registration Procedures	R1998	7.0.0		Yes	N4	-	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#29: 7.0.0	No	N
03.13	Discontinuous Reception (DRX) in the GSM System	R1998	7.0.0		Yes	GP	-	...		USAI, Paolino		#29: 7.0.0	No	N
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	R1998	7.0.1		Yes	N1	-	...		AL -BAKRI, Ban		#28: 7.0.0	No	N
03.15	Technical Realization of Operator Determined Barring	R1998	7.0.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#29: 7.0.0	No	N
03.16	Subscriber Data Management	R1998	7.3.0		Yes	N4	-	DETTNER, Harald	SIEMENS AG	SETTIMO, Franco		#28: 7.0.0 SMG#29: 7.1.0 TSG#6: 7.2.0 TSG#7: 7.3.0	No	N
03.18	Basic Call Handling	R1998	7.3.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#28: 7.0.0 SMG#29: 7.1.0 TSG#5 7.2.0 TSG#7: 7.3.0	No	N
03.19	GSM API for SIM toolkit stage 2	R1998	7.2.0		No	T3	-	DIETRICH, Christian	Schlumberger Industries	SANDERS, Michael	SMG9->T3@#31	#28: 1.0.0 SMG#29: 7.0.0 #31:7.1.0 TSG#8:7.2.0	No	N

03.20	Security-related Network Functions	R1998	7.3.0		No	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#28: 7.0.0 SMG#29: 7.1.0 #30: 7.2.0 #32:7.3.0	No	N
03.22	Functions Related to Mobile Station (MS) in Idle Mode	R1998	7.3.0		Yes	G2	N1	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	Moved from SMG3 Jan 2000	#28: 7.0.0 SMG#29: 7.1.0 #30: 7.2.0 tsg#6: 7.3.0 but TSG has no right to do so!	No	N
03.26	Multiband operation of GSM/DCS 1800 by a single operator	R1998	7.0.0		Yes	GP	NP	..,		USAI, Paolino		#29: 7.0.0	No	N
03.30	Radio Network Planning Aspects	R1998	7.1.0		Yes	GP	-	STEVENS, Peter John	One 2 one	USAI, Paolino		#29: 7.0.0 #31:7.1.0	No	N
03.31	Fraud Information Gathering System (FIGS); Service description; Stage 2	R1998	7.0.0		Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice		#26: 7.0.0 (was rumoured to be a need for .1 but nothing more known.)	No	N
03.32	Universal Geographical Area Description (GAD)	R1998	7.1.0		Yes	S2	-	..,		SULTAN, Alain		#29: 7.0.0 TSG#8:7.1.0	No	N
03.33	Lawful Interception - stage 2	R1998	7.1.0		Yes	S3	-	MILES, David F.	BT Cellnet	POPE, Maurice		#27: for info #28: 7.0.0 #29: 7.1.0	No	N
03.34	High Speed Circuit Switched Data (HSCSD); Stage 2	R1998	7.0.0		Yes	N1	-	MUHONEN, Ahti	NOKIA Corporation	AL -BAKRI, Ban		#29: 7.0.0	No	N
03.35	Immediate Service Termination (IST); Stage 2	R1998	7.0.0		Yes	S3	-	WRIGHT, Tim	BT	POPE, Maurice		#27: 7.0.0	No	N
03.38	Alphabets and Language Specific Information for GSM	R1998	7.2.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#26: 7.0.0 #28: 7.1.0 #29: 7.2.0	No	N
03.39	Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	R1998	7.0.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		need identified 2000-03-29	No	N
03.40	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	R1998	7.4.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#26: 7.0.0 #27: 7.1.0 #29: 7.2.0 TSG#5 7.3.0 TSG#6: 7.4.0	No	N
03.41	Technical Realization of Short Message Service Cell	R1998	7.3.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#28: 7.0.0 #29: 7.1.0 TSG#6:	No	N

		Broadcast (SMSCB)										7.2.0 TSG#7: 7.3.0		
03.42	SMS Compression	R1998	7.1.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#26: 7.0.0 #28: 7.1.0	No	N
03.43	Support of Videotex	R1998	7.0.0	Jun 00	Yes	T2	-	DI TRIA, Paolo	CSELT - Centro Studi e Laboratori Telecomunicazioni	RODERMUND, Friedhelm		#29: 7.0.0	No	N
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	R1998	7.0.0	Jun 00	Yes	T2	-	...		RODERMUND, Friedhelm		#29: 7.0.0	No	N
03.45	Technical Realization of Facsimile Group 3 Service - transparent	R1998	7.0.1		Yes	N3	-	...		BOSWARTHICK, David		#29: 7.0.0	No	N
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	R1998	7.0.0		Yes	N3	-	...		BOSWARTHICK, David		#29: 7.0.0	No	N
03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	R1998	7.0.0	Jun 00	Yes	T2	-	...		RODERMUND, Friedhelm		#29: 7.0.0	No	N
03.48	Security Mechanisms for SIM Toolkit Application - Stage 2	R1998	7.0.1		Yes	T3	-	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31	#28: 7.0.0	No	N
03.49	Example Protocol Stacs for Interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	R1998	7.0.0	Jun 00	Yes	T2	-	MEREDITH, Andrew	MOTOROLA Ltd	RODERMUND, Friedhelm		#29: 7.0.0	No	N
03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	R1998	7.1.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#29: 7.0.0 #32:7.1.0	No	N
03.52	Lower layers of the GSM Cordless Telephony System (CTS) radio interface - Stage 2	R1998	7.1.0		Yes	GP	-	DESBLANCS, Philippe	ALCATEL France	USAI, Paolino		#28: 7.0.0 #29: 7.1.0	No	N
03.53	Tandem Free Operation (TFO); Service description; Stage 2	R1998	7.0.1		Yes	S4	NP / S2	FAUCONNIER, Denis	NORTEL NETWORKS (EUROPE)	USAI, Paolino	Mar00: prime responsibility txfrd to SMG11	#25: 7.0.0	No	N
03.54	Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2	R1998	7.0.0		Yes	N3	-	ROSTÖ, Tommy	TELIA AB	BOSWARTHICK, David		#29: 7.0.0	No	N
03.56	GSM Cordless Telephony System (CTS), Phase 1; CTS Architecture Description; Stage 2	R1998	7.1.0		Yes	S2	-	ROBERTS, Martin	Nortel	SULTAN, Alain		#27: for info #28: 7.0.0 #29: 7.1.0	No	N

03.57	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2	R1998	7.2.0		Yes	T2	-	CATALDO, Mark	MOTOROLA Ltd	RODERMUND, Friedhelm		#27: for info #29: 7.0.0 T#6: 7.1.0 expect TSG#7 CR to fix unimplementabl e one at TSG#6. TSG#7: 7.2.0	No	N
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	R1998	7.0.0		Yes	S4	-	MONFORT, Jean-Yves	France Telecom R&D	USAI, Paolino		#29: 7.0.0	No	N
03.60	General Packet Radio Service (GPRS) Service description; Stage 2	R1998	7.4.0		Yes	S2	-	NAPER, Hans Petter	MOTOROLA GmbH	SULTAN, Alain		#28: 7.0.0 #29: 7.1.0 TSG#5 7.2.0 S#6: 7.3.0 TSG#7: 7.4.0	No	N
03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	R1998	7.0.0		Yes	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#31: 7.0.0	No	N
03.64	Overall description of the GPRS radio interface; Stage 2	R1998	7.1.0		Yes	G2	-	...		THOMASEN, Gert		#29: 7.0.0 #30: 7.1.0	No	N
03.66	Support of GSM Mobile Number Portability (MNP); Stage 2	R1998	7.3.0		Yes	N4	-	LOPEZ SORIA, Luis	ERICSSON ESPANA S.A.	SETTIMO, Franco		#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 (Expect 7.3.0 dealing with PE comments.) TSG#7: 7.3.0	No	N
03.67	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	R1998	7.1.0		Yes	N4	-	MÜNNING, Dirk	DETECON GMBH	SETTIMO, Franco		#29: 7.0.0 TSG#7: 7.1.0	No	N
03.68	Voice Group Call Service (VGCS); Stage 2	R1998	7.1.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban		#29: 7.0.0 TSG#7: 7.1.0	No	N
03.69	Voice Broadcast service (VBS); Stage 2	R1998	7.1.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban		#29: 7.0.0 TSG#7: 7.1.0	No	N
03.70	Routing of Calls to/from Public Data Networks (PDN)	R1998	7.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#29: 7.0.0	No	N
03.71	Location services (LCS); Stage 2	R1998	7.4.0		Yes	S2	-	BROOK, Richard	SAMSUNG Electronics Research Institute	SULTAN, Alain		#28: 1.0.0 #29: 7.0.0 S#6: 7.2.0 edito: 7.2.1 #31:7.3.0 #32:7.4.0 TSG#8:7.4.0	No	N
03.72	Call Deflection stage 2	R1998	7.1.0		Yes	N4	-	...		SETTIMO, Franco		#28: 7.0.0 TSG#5 7.1.0	No	N

03.73	Support of Localised Service Area (SoLSA); Stage 2	R1998	7.2.0		Yes	S2	-	...		SULTAN, Alain		#27: for info #28: 7.0.0 #29: 7.1.0 #30: 7.2.0	No	N
03.78	CAMEL Phase 2; Stage 2	R1998	7.4.0		Yes	N2	-	LANTELME, Isabelle	ALCATEL France	HELLMAN, Monica		#28: 7.0.0 >SMG#29: 7.1.0 TSG#5: 7.2.0 TSG#7: 7.3.0 TSG#8: 7.4.0	No	N
03.79	Support of Optimal Routing phase 1; Stage 2	R1998	7.3.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 TSG#7: 7.3.0	No	N
03.81	Line Identification Supplementary Services; Stage 2	R1998	7.0.1		Yes	N4	-	...		SETTIMO, Franco		#28: 7.0.0	No	N
03.82	Call Forwarding (CF) Supplementary Services; Stage 2	R1998	7.0.0		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		#29: 7.0.0	No	N
03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2	R1998	7.0.0		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#29: 7.0.0	No	N
03.84	Multi Party (MPTY) Supplementary Services; Stage 2	R1998	7.0.0		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#29: 7.0.0	No	N
03.85	Closed user Group (CUG) Supplementary Services; Stage 2	R1998	7.0.0		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N
03.86	Advice of Charge (AoC) Supplementary Services; Stage 2	R1998	7.0.1		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N
03.87	User-to-user signalling (UUS); Stage 2	R1998	7.0.2		Yes	N4	-	...		SETTIMO, Franco		#28: 7.0.0	No	N
03.88	Call Barring (CB) supplementary services - Stage 2	R1998	7.0.0		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#29: 7.0.0	No	N
03.90	Unstructured Supplementary Service Data (USSD)	R1998	7.0.0		Yes	N4	-	CHOTAI, Sunil	BT	SETTIMO, Franco		#29: 7.0.0	No	N
03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	R1998	7.0.0		Yes	N4	-	DZUBAN, Stanislav	SIEMENS AG	SETTIMO, Franco		#29: 7.0.0	No	N
03.93	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	R1998	7.0.0		Yes	N4	-	HÄMÄLÄINEN, Pekka	NOKIA MOBILE PHONES	SETTIMO, Franco		#29: 7.0.0	No	N
03.96	Name Identification Supplementary Services; Stage 2	R1998	7.0.0		Yes	N4	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#29: 7.0.0	No	N
03.97	Multiple subscriber Profile	R1998	7.2.0		Yes	N4	-	...		SETTIMO, Franco		#28: 7.0.0 #29:	No	N

		(MSP); Stage 2											7.1.0 TSG#5: 7.1.1 N#6:7.2.0		
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	R1998	7.0.0		Yes	N1	-	AVELINE, Sophie	France Telecom R&D	AL -BAKRI, Ban			#29: 7.0.0	No	N
04.02	GSM Public Land Mobile Network (PLMN) Access Reference Configuration	R1998	7.0.0		Yes	N1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	AL -BAKRI, Ban			#29: 7.0.0	No	N
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	R1998	7.0.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert			#29: 7.0.0	No	N
04.04	Layer 1 - General Requirements	R1998	7.0.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert			#29: 7.0.0	No	N
04.05	Data Link (DL) Layer General Aspects	R1998	7.1.1		Yes	G2	-	...		THOMASEN, Gert			#29: 7.0.0 #31:7.1.0	No	N
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	R1998	7.1.1		Yes	G2	-	...		THOMASEN, Gert			#29: 7.0.0 edito:7.0.1 #31:7.1.0	No	N
04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	R1998	7.3.0		Yes	N1	-	...		AL -BAKRI, Ban			#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 CN#6 7.3.0	No	N
04.08	Mobile Radio Interface - Layer 3 Specification	R1998	7.9.0		No	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)		#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 SMG#30b 7.3.0; TSG#6:7.4.0 #31:7.5.0 TSG#7: 7.6.0 #31b:7.5.0 #32:7.8.0 TSG#8:7.8.0 GERAN#1:7.9.0	No	N
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	R1998	7.0.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco			#28: 7.0.0	No	N
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	R1998	7.0.0		Yes	N1	-	NOBUYUKI, Uda	NTT Communications Ware Corporation	AL -BAKRI, Ban			#29: 7.0.0	No	N
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile	R1998	7.0.1		Yes	G2	T2	PUDNEY, Chris	VODAFONE Group Plc	THOMASEN, Gert			#29: 7.0.0	No	N

		Radio Interface													
04.13		Performance Requirements on Mobile Radio Interface	R1998	7.0.1		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#29: 7.0.0	No	N
04.14		Individual equipment type requirements and interworking; Special conformance testing functions	R1998	7.2.0		Yes	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert		#29: 7.0.0 #30: 7.1.0 #32:7.2.0	No	N
04.21		Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	R1998	7.1.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#27: 7.0.0 TSG#8:7.1.0	No	N
04.22		Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	R1998	7.1.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#28: 7.0.0 TSG#6: 7.1.0	No	N
04.30		Location Services LCS Stage 3 SS (MO-LR)	R1998	7.2.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert	Seems to be a dispute over ownership: SMG2 or 3 (plus CN-ss)? Decision: SMG3 and the now-closed SS. TSG#7: txfrd to 3GPP for R99.	#30 info #30b: 7.0.1 #31:7.1.0 TSG#8:7.2.0	No	N
04.31		Location Services LCS RR LCS Protocol	R1998	7.2.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		#30 info #30b: 7.0.1 #31:7.1.0 #31b:7.2.0	No	N
04.35		Location Services LCS Stage 3 E-OTD Enhanced Observed	R1998	7.2.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		. GERAN#1:7.2.0	No	N
04.56		GSM Cordless Telephony System (CTS), (Phase 1) CTS Radio Interface Layer 3 Specification	R1998	7.1.0		Yes	N1	-	HUPPERICH, Peter	ALCATEL SEL AG	AL -BAKRI, Ban		#28: 7.0.0 #29: 7.1.0	No	N
04.57		GSM Cordless Telephony System (CTS), (Phase 1) CTS CTS supervising system Layer 3 Specification	R1998	7.0.1		Yes	N1	-	HUPPERICH, Peter	ALCATEL SEL AG	AL -BAKRI, Ban		#28: 7.0.0	No	N
04.60		General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	R1998	7.6.0		No	G2	-	...		THOMASEN, Gert		#29: 7.0.0 #30: 7.1.0 #30b: 7.2.0 #31:7.3.0 #32:7.5.0 GERAN#1:7.6.0	No	N
04.63		Packet Data on Signalling channels Service (PDS) Service Description, Stage	R1998	7.0.0		Yes	N1	-	JACOBSONN, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#29: 7.0.0	No	N

		3															
04.64	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	R1998	7.3.0		Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban		#29: 7.0.0 #30: 7.1.0 post-TSG#6: 7.2.0 #31:7.3.0	No	N			
04.65	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP)	R1998	7.3.0		Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban	24.065 exists, but will be scrapped for R99.	#29: 7.0.0 #30: 7.1.0 post-TSG#6: 7.2.0 #31:7.3.0	No	N			
04.67	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	R1998	7.0.1		Yes	N4	-	MÜNNING, Dirk	DETECON GMBH	SETTIMO, Franco		#29: 7.0.0	No	N			
04.68	Group Call Control (GCC) Protocol	R1998	7.2.0		Yes	N1	-	...		AL -BAKRI, Ban		#29: 7.0.0 #30: 7.1.0 TSG#7: 7.2.0	No	N			
04.69	Broadcast Call Control (BCC) protocol	R1998	7.2.0		Yes	N1	-	...		AL -BAKRI, Ban		#29: 7.0.0 #30: 7.1.0 TSG#7: 7.2.0	No	N			
04.71	Location services (LCS) stage 3	R1998	7.2.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert	Was SMG2 till TSG#6; MCC expt changed from Al Bakri Jan 2000.	#28: 1.0.0 #29: 7.0.0 #30b or post-TSG#6: 7.1.1 #32:7.2.0	No	N			
04.72	Call Deflection (CD) Supplementary Service; Stage 3	R1998	7.0.0		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#27: for info #28: 7.0.0	No	N			
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	R1998	7.3.0		Yes	N4	-	...		SETTIMO, Franco		#28: 7.0.0 N#6: 7.1.0. TSG#7: 7.2.0 TSG#8:7.3.0	No	N			
04.81	Line Identification Supplementary Services - Stage 3	R1998	7.0.1		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N			
04.82	Call Forwarding (CF) Supplementary Services - Stage 3	R1998	7.0.2		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		#28: 7.0.0	No	N			
04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 3	R1998	7.0.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#29: 7.0.0	No	N			
04.84	Multi Party (MPTY) Supplementary Services - Stage 3	R1998	7.0.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#29: 7.0.0	No	N			
04.85	Closed User Group (CUG) Supplementary Services - Stage 3	R1998	7.0.0		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N			
04.86	Advice of Charge (AoC) Supplementary Services - Stage 3	R1998	7.0.1		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N			

04.87	User-to-User Signalling (UUS) Supplementary Service Stage 3	R1998	7.0.2		Yes	N4	-	...		SETTIMO, Franco		#28: 7.0.0	No	N
04.88	Call Barring (CB) Supplementary Services - Stage 3	R1998	7.0.0		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#29: 7.0.0	No	N
04.90	Unstructured Supplementary Service Data (USSD)	R1998	7.0.1		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N
04.91	Explicit Call Transfer (ECT) Supplementary Service - Stage 3	R1998	7.0.1		Yes	N4	-	DZUBAN, Stanislav	SIEMENS AG	SETTIMO, Franco		#29: 7.0.0	No	N
04.93	Completion of Calls to Busy Subscriber (CCBS); Stage 3	R1998	7.0.0		Yes	N4	-	HÄMÄLÄINEN, Pekka	NOKIA MOBILE PHONES	SETTIMO, Franco		#29: 7.0.0	No	N
04.96	Name Identification Supplementary Services; Stage 3	R1998	7.0.0		Yes	N4	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#29: 7.0.0	No	N
05.01	Physical Layer on the Radio Path (General Description)	R1998	7.1.0		Yes	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		#28: 7.0.0 #30: 7.1.0	No	N
05.02	Multiplexing and Multiple Access on the Radio Path	R1998	7.5.0		Yes	GP	-	...		USAI, Paolino		#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #30b:7.3.0 #31:7.4.0 #31b:7.4.0	No	N
05.03	Channel Coding	R1998	7.4.0		No	GP	-	...		USAI, Paolino		#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.3.0	No	N
05.04	Modulation	R1998	7.1.0		Yes	GP	-	REINER, Michaël	AEG Mobile Communications GmbH (AMC)	USAI, Paolino		#29: 7.0.0 #30b: 7.1.0	No	N
05.05	Radio Transmission and Reception	R1998	7.5.0		No	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.3.0 #31b:7.4.0 GERAN#1:7.5.0	No	N
05.08	Radio Subsystem Link Control	R1998	7.5.0		No	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		. GERAN#1:7.5.0	No	N
05.09	Link Adaptation	R1998	7.3.0		Yes	GP	-	...		USAI, Paolino		#28: 7.0.0 #30: 7.1.0 #31:7.2.0 #32:7.3.0	No	N
05.10	Radio Subsystem Synchronization	R1998	7.3.0		Yes	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino		.	No	N
05.22	Radio link management in hierarchical networks	R1998	7.0.0		Yes	GP	-	...		USAI, Paolino		.	No	N
05.50	Background for RF Requirements	R1998	7.4.0		Yes	GP	-	...		USAI, Paolino		#26: 7.0.0 #29: 7.1.0 #30: 7.2.0	No	N

													#31:7.3.0 #31b:7.4.0		
05.56	CTS-FP Radio Sub-system	R1998	7.1.0		Yes	GP	-	...		USAI, Paolino			#28: 7.0.0 #29: 7.1.0	No	N
06.01	Full Rate Speech Processing Functions	R1998	7.0.2		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino			#28: 7.0.0	No	N
06.02	Half Rate Speech Processing Functions	R1998	7.0.2		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			#28: 7.0.0	No	N
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	R1998	7.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			#29: 7.0.0	No	N
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	R1998	7.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			#29: 7.0.0	No	N
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	R1998	7.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino			#29: 7.0.0	No	N
06.10	Full Rate Speech Transcoding	R1998	7.1.0		Yes	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino			#28: 7.0.0 #32:7.1.0	No	N
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	R1998	7.0.1		Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino			#29: 7.0.0	No	N
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	R1998	7.0.1		Yes	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino			#29: 7.0.0	No	N
06.20	Half Rate Speech Transcoding	R1998	7.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			#29: 7.0.0	No	N
06.21	Substitution and Muting of Lost Frames for Half Rate Traffic Speech Traffic Channels	R1998	7.0.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			#29: 7.0.0	No	N
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	R1998	7.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino			#29: 7.0.0	No	N
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	R1998	7.0.1		Yes	S4	-	...		USAI, Paolino			#29: 7.0.0	No	N
06.32	Voice Activity Detection (VAD)	R1998	7.0.1		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino			#29: 7.0.0	No	N
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	R1998	7.0.1		Yes	S4	-	...		USAI, Paolino			#29: 7.0.0	No	N

06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	R1998	7.0.1		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		#29: 7.0.0	No	N
06.51	GSM Enhanced full rate speech processing functions: General description	R1998	7.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#28: 7.0.0 #32:7.1.0	No	N
06.53	ANSI-C code for the GSM Enhanced full rate speech codec	R1998	7.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#29: 7.0.0	No	N
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	R1998	7.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#29: 7.0.0 #32:7.1.0	No	N
06.55	Performance characterisation of the GSM EFR Speech Codec	R1998	7.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		#29: 7.0.0	No	N
06.60	Enhanced full rate speech transcoding	R1998	7.0.2		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#28: 7.0.0	No	N
06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels	R1998	7.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#29: 7.0.0	No	N
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	R1998	7.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#29: 7.0.0	No	N
06.71	Adaptive Multi-Rate speech processing functions; General description	R1998	7.0.2		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0	No	N
06.73	ANSI-C code for the GSM Adaptive Multi Rate (AMR) speech codec	R1998	7.4.0		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 SA#6: 7.3.0.0 TSG#7: 7.4.0	No	N
06.74	Test sequences for the GSM Adaptive Multi Rate (AMR) speech codec	R1998	7.0.2		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 2.0.0 SA#6: 7.0.0	No	N
06.75	AMR performance characterisation	R1998	7.2.0		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	SMG#29 1.0.0 for information SMG#30: 7.0.0 SA#6: 7.1.0. TSG#7: 7.2.0	No	N
06.76	Adaptive Multi-Rate (AMR) speech codec; study phase report	R1998	7.0.0		Yes	S4	-	...		USAI, Paolino	New at SMG#31. Then became 06.77; new 06.76 has new title.	#31:1.0.0 TSG#7:2.0.0 (SP-000023) 7.0.0	No	N
06.81	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels	R1998	7.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#29: 7.0.0 #30: 7.1.0	No	N
06.82	Voice Activity Detection	R1998	7.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA	USAI, Paolino		#29: 7.0.0	No	N

	(VAD) for enhanced full rate speech traffic channels								Corporation					
06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	R1998	7.0.0		Yes	S4	-	...		USAI, Paolino		#29: 7.0.0	No	N
06.90	Adaptive Multi-Rate speech transcoding	R1998	7.2.0		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0	No	N
06.91	Substitution and muting of lost frames for AMR speech traffic channels	R1998	7.1.0		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #30: 7.1.0	No	N
06.92	Comfort noise aspects for Adaptive Multi-Rate speech traffic channels	R1998	7.1.1		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #29: 7.1.0	No	N
06.93	Discontinuous Transmission (DTX) for Adaptive Multi-Rate speech traffic channels	R1998	7.4.0		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 SA#6: 7.3.0 TSG#8: 7.4.0	No	N
06.94	Voice Activity Detector (VAD) for Adaptive Multi Rate (AMR) speech traffic channels	R1998	7.1.1		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #29: 7.1.0	No	N
07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	R1998	7.1.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#27: 7.0.0 #28: 7.1.0	No	N
07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	R1998	7.0.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#27: 7.0.0	No	N
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	R1998	7.0.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#29: 7.0.0	No	N
07.05	Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)	R1998	7.0.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#28: 7.0.0	No	N
07.07	Digital cellular telecommunications System (Phase 2) AT Command set for GSM Mobile Equipment (ME)	R1998	7.5.0	Jun 00	Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#26: 7.0.0 #27: 7.1.0 #28: 7.2.0 #29: 7.3.0 TSG#5: 7.4.0 TSG#6: 7.5.0	No	N
07.10	Terminal Equipment to	R1998	7.1.0		Yes	T2	-	NOVAK, Lars	ERICSSON L.M.	RODERMUND,		#29: 7.0.0	No	N

		Mobile Station (TE-MS) multiplexer protocol							Telefonaktiebolaget	Friedhelm		TSG#5: 7.1.0		
07.60		General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS	R1998	7.1.0		Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David	#29: 7.0.0 TSG#5: 7.1.0	No	N
08.01		General Aspects on the BSS-MSC Interface	R1998	7.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert	#29: 7.0.0	No	N
08.02		Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	R1998	7.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert	#29: 7.0.0	No	N
08.04		Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	R1998	7.0.1		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert	#28: 7.0.0	No	N
08.06		Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	R1998	7.0.1		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert	#28: 7.0.0 #29: 7.0.0 !!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!! !!!!!!!!!!!!!!!!!!!!	No	N
08.08		Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	R1998	7.7.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert	#25: 7.0.0 #28: 7.1.0 #29: 7.2.0 #30: 7.3.0 #30b: 7.4.0 #31:7.5.0 #31b:7.6.0 GERAN#1:7.7.0	No	N
08.14		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	R1998	7.0.1		Yes	G2	-	...		THOMASEN, Gert	#28: 7.0.0	No	N
08.16		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	R1998	7.1.0		Yes	G2	-	...		THOMASEN, Gert	#28: 7.0.0 #29: 7.1.0	No	N
08.18		General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	R1998	7.3.1		Yes	G2	-	...		THOMASEN, Gert	#29: 7.0.0 #30: 7.1.0 #31:7.3.0	No	N
08.20		Rate Adaptation on the	R1998	7.0.1		Yes	N3	-	RÄSÄNEN, Juha	NOKIA	BOSWARTHICK,	#27: 7.0.0	No	N

		Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface							Corporation	David					
08.31		Location Services LCS SMLC Peer Protocol (SMLCPP)	R1998	7.0.1		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		#30 info #30b:7.0.1	No	N
08.51		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	R1998	7.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#29: 7.0.0	No	N
08.52		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	R1998	7.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#29: 7.0.0	No	N
08.54		BSC-BTS : Layer 1 Structure of Physical Circuits	R1998	7.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#29: 7.0.0	No	N
08.56		BSC-BTS Layer 2 Specification	R1998	7.0.0		Yes	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert		#29: 7.0.0	No	N
08.58		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	R1998	7.4.1		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#28: 7.0.0 #29: 7.1.0 #30: 7.2.0 #31:7.4.0	No	N
08.60		Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	R1998	7.2.0		Yes	GP	-	...		USAI, Paolino		#29: 7.0.0 #30: 7.1.0 #30b: 7.2.0	No	N
08.61		Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	R1998	7.2.1		Yes	GP	NP	JACOB, Petra	SIEMENS AG	USAI, Paolino		#29: 7.0.0 #30: 7.1.0 #30b: 7.2.0 Edito: 7.2.1	No	N
08.62		Inband Tandem Free Operation (TFO) of Speech Codecs; Service Description; Stage 3	R1998	7.1.1		Yes	S4	-	...		USAI, Paolino	SMG11->S4 at SMG#30	#28: 7.0.0 #29: TSG#7: 7.1.0	No	N
08.71		Location services (LCS) SMLC-BSS interface L 3	R1998	7.3.0		Yes	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert		#29: 7.0.0 #30bis: 7.1.0 edito: 7.1.1 #31:7.2.0 #31b:7.2.0	No	N
09.01		General Network Interworking Scenarios	R1998	7.0.0		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0	No	N
09.02		Mobile Application Part (MAP) Specification	R1998	7.5.1		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	CN->N4 Apr00 (JMM)	#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 TSG#6: 7.3.0. TSG#7: 7.4.0 TSG#8:7.5.0	No	N

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)	R1998	7.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#29: 7.0.0	No	N
09.04	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	R1998	7.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#29: 7.0.0	No	N
09.05	Interworking between the PLMN and the PSPDN for PAD Access	R1998	7.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#29: 7.0.0	No	N
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	R1998	7.0.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David	N3: "no R99 needed".	#29: 7.0.0	No	N
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)	R1998	7.2.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#27: 7.0.0 #28: 7.1.0 #29: 7.1.1 N#6: 7.2.0	No	N
09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	R1998	7.2.0		Yes	N1	-	JORGENSEN, Per Johan	ERICSSON L.M. Telefonaktiebolaget	AL -BAKRI, Ban		#29: 7.0.0 #30: 7.1.0 tsg#6:(7.1.0 then) 7.2.0	No	N
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)	R1998	7.1.0		Yes	N4	-	...		SETTIMO, Franco		#29: 7.0.0 TSG#6: 7.1.0	No	N
09.11	Signalling Interworking for Supplementary Services	R1998	7.0.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#28: 7.0.0	No	N
09.13	Signalling interworking between ISDN	R1998	7.0.0		Yes	N4	-	CHOTAI, Sunil	BT	SETTIMO, Franco		#29: 7.0.0	No	N

	supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols														
09.14	Application of ISUP Version 3 for the ISDN-PLMN (GSM)Signalling	R1998	7.0.2		Yes	SPAN3	N4	...				EN 302 646	(SPAN1)	No	N
09.16	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification	R1998	7.0.1		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban			#28: 7.0.0	No	N
09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	R1998	7.3.0		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban			#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 TSG#7: 7.3.0	No	N
09.31	Location Services LCS Extension (BSSAP-LE)	R1998	7.4.0		No	G2	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	THOMASEN, Gert			#30 info #30b: 7.0.0 (implementation of CRs wrong, so expect 7.1.0) #31:7.1.0 #31b:7.2.0 #32:7.3.0 GERAN#1:7.4.0	No	N
09.60	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	R1998	7.5.0		Yes	N4	-	OLTEDAL, Einar	ERICSSON L.M. Telefonaktiebolag et	SETTIMO, Franco			#28: 7.0.0 #29: 7.1.0 TSG#5: 7.2.0 TSG#6: 7.3.0 TSG#7: 7.4.0 TSG#8:7.5.0	No	N
09.61	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	R1998	7.2.0		Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David			#28: 7.0.0 #29: 7.1.0 N#6: 7.2.0	No	N
09.78	CAMEL Application Part phase 2 (stage 3)	R1998	7.1.0		Yes	N2	-	NOLDUS, Rogier	ERICSSON L.M. Telefonaktiebolag et	HELLMAN, Monica			#29: 7.0.0 TSG#8:7.1.0	No	N
10.00	Digital Cellular Telecommunication System Feature Description	R1998	7D1.0		Yes	S2	-	BERGMANN, Ansgar	ETSI Secretariat	SULTAN, Alain			#27: 7D1.0	No	N
10.02	Guidelines for the modification of the Mobile	R1998	5.1.0		No	N4	-	...		SETTIMO, Franco			#21: 1.0.0 #25: 1.1.0->5.0.0	No	N

	Application Part (MAP) in phase 2+											#28:5.1.0		
10.43	Support of Localised Service Area (SoLSA); Work Item Status	R1998	1.2.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael		#25: 1.11.0 #30b: 1.11.0	No	N
10.56	Project scheduling and open issues: GSM Cordless Telephony System CTS, Phase 1	R1998	7.0.0		Yes	S2	-	GALLIGO, Michel	ALCATEL France	SULTAN, Alain		#27: 7.0.0	No	N
10.57	Project scheduling and open issues: Mobile Station Execution Environment (MExE)	R1998	7.0.0		Yes	T2	-	RODERMUND, Friedhelm	ETSI Secretariat	RODERMUND, Friedhelm		#26: 7.0.0	No	N
10.70	GSM Adaptive Multi-Rate Speech Codec (AMR); Project schedule and open issues for AMR	R1998	0.2.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#27: 0.0.1 for info #28: 0.2.0	No	N
10.71	Project scheduling and open issues: Location services (LCS)	R1998	2.1.0		No	S1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	CLAYTON, Michael		#29: 7.0.0 #30: 2.0.6! #30b: 2.0.7 #31:2.1.0	No	N
10.78	Project scheduling and open issues: CAMEL	R1998	1.6.0		No	S2	-	...		SULTAN, Alain		#25: 1.6.0	No	N
11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	R1998	7.2.1		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia	R99 version now serves all releases. Earlier releases frozen.	#29: 7.0.0 #30: 7.1.0 #31:7.2.0 #31bis: closed (R99 version serves all releases)	No	N
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	R1998	7.6.1		Yes	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael		#26: 7.0.0 #27: 7.1.0 #28: 7.2.0 #29: 7.3.0 #30: 7.4.0 #31:7.5.0 #32:frozen #32:7.6.0	No	N
11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	R1998	7.5.0		Yes	T3	-	WOODSEND, Kristian	ASPECTS Software Ltd	SANDERS, Michael		#26: 7.0.0 #27: 7.1.0 #28: 7.2.0 #29: 7.3.0 #31:7.4.0 #32:7.5.0	No	N
11.17	SIM test specification (phase 2)	R1998	7.0.2		Yes	T3	-	...		SANDERS, Michael		#28: 7.0.0	No	N
11.18	Specification of the 1.8 Volt Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface	R1998	7.0.1		Yes	T3	-	LINDHOLM, Rune	NOKIA MOBILE PHONES	SANDERS, Michael		#25: 1.0.0 #28: 7.0.0	No	N
11.19	CTS FP SIM	R1998	7.0.1		Yes	T3	-	...		SANDERS, Michael		#28: 7.0.0	No	N
11.21	GSM Radio Aspects Base	R1998	7.2.0		Yes	G3	-	BUSIN, Ake	ERICSSON L.M.	RODERMUND,		#28: 7.0.0 #29:	No	N

	Station System Equipment Specification								Telefonaktiebolaget	Friedhelm		7.1.0 #30: 7.2.0		
12.03	Security Management	R1998	7.0.1		Yes	S5	S1 / NP	...		ZOICAS, Adrian		#28: 7.0.0	No	N
12.04	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	R1998	7.0.0		Yes	S5	S1 / NP	...		ZOICAS, Adrian		#30: 7.0.0	No	N
12.05	Subscriber Related Call and Event Data	R1998	7.0.1		Yes	S5	S1	SJÖBLOM, Kai	NOKIA Corporation	ZOICAS, Adrian		#28: 7.0.0	No	N
12.15	General Packet Radio Service (GPRS); GPRS Charging	R1998	7.6.0		Yes	S5	-	HEATON, Graham	RTS Wireless Inc.	ZOICAS, Adrian		#27: 7.0.0 #28: 7.1.0 #29: 7.2.0 #30: 7.3.0 S#6: 7.4.0. TSG#7: 7.5.0 TSG#8:7.6.0	No	N
12.71	Location Services (LCS); Location services management	R1998	7.0.0		Yes	S5	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	ZOICAS, Adrian		Sept 99: 0.0.1 TSG#8:7.0.0 (2.0.1)	No	N
13.11	Mobiles stations in the GSM 900 and DCS 1800 bands covering essential requirements under article 3.2 of the R&TTE Directive	R1998	7.0.0		Yes	MSG	G4	SALMERON, Lidia	ETSI Secretariat	VAN DER VEEN, Hans	Harmonized standard	#28: 1.0.0 #31:1.1.4 STF149: 1.1.5; May00:1.1.8 #32:2.0.0 (-> 7.0.0)	No	N
13.21	Base station systems and repeater equipment covering essential requirements under article 3.2 of the R&TTE directive	R1998	7.0.0		Yes	MSG	GP	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	VAN DER VEEN, Hans	Harmonized standard	#30b: 1.0.0 #31:2.0.0 -> 7.0.0	No	N
01.02	General Description of a GSM Public Land Mobile Network (PLMN)	R1997	6.0.0		No	S1	GP / NP	JORGENSEN, Niels H.	TELE DANMARK A/S	CLAYTON, Michael		#27: 6.0.0	No	N
01.04	Abbreviations and Acronyms	R1997	6.0.0		No	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino		#27: 6.0.0	No	N
01.48	ISDN-based DECT/GSM interworking; Feasibility study	R1997	6.0.0		No	S1	-	GRAETZ, Ingeborg	SIEMENS AG	CLAYTON, Michael		#27: 6.0.0	No	N
01.60	GPRS requirements	R1997	6.0.0		Yes	S1	-	...		CLAYTON, Michael		#25: 6.0.0	No	N
02.01	Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	R1997	6.2.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael		#27: 6.0.0 #28: 6.1.0 #29: 6.2.0	No	N
02.02	Bearer Services (BS) Supported by a GSM Public	R1997	6.1.1		Yes	S1	-	RICHARDS, Denise	Lucent Technologies	CLAYTON, Michael		#27: 6.0.0 #28: 6.1.0	No	N

		Land Mobile Network (PLMN)								Network Systems UK					
02.03		Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	R1997	6.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#27: 6.0.0	No	N
02.04		General on Supplementary Services	R1997	6.1.1		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael		#25: 6.0.0 #28: 6.1.0 #29: 6.1.1	No	N
02.06		Types of Mobile Stations (MS)	R1997	6.1.1		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#27: 6.0.0 #28: 6.1.0	No	N
02.07		Mobile Station (MS) Features	R1997	6.2.0		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#25: 6.0.0 #26: 6.1.0 TSG#7: 6.2.0	No	N
02.09		Security Aspects	R1997	6.1.0		Yes	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#27: 6.0.0 edito:6.0.1 #31:6.1.0	No	N
02.11		Service Accessibility	R1997	6.0.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#26: 6.0.0	No	N
02.16		International Mobile Station Equipment Identities (IMEI)	R1997	6.2.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#27: 6.0.0 #30: 6.1.0 TSG#8:6.2.0	No	N
02.17		Subscriber Identity Modules, Functional Characteristics	R1997	6.0.0		Yes	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael		#27: 6.0.0	No	N
02.22		Stage 1 for Personalisation of GSM ME	R1997	6.0.0		Yes	S1		DURAND, Romain	ALCATEL France	CLAYTON, Michael		#27: 6.0.0	No	N
02.24		Description of Charge Advice Information (CAI)	R1997	6.0.1		Yes	S1		DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael		#27: 6.0.0	No	Ye
02.30		Man-machine Interface (MMI) of the Mobile Station (MS)	R1997	6.1.0		Yes	S1		JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#25: 6.0.0 #28: 6.1.0	No	N
02.34		High Speed Circuit Switched Data (HSCSD) - Stage 1	R1997	6.0.0		Yes	S1		MUHONEN, Ahti	NOKIA Corporation	CLAYTON, Michael		#27: 6.0.0	No	N
02.40		Procedures for Call Progress Indications	R1997	6.0.0		Yes	S1	NP	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	R99 -> 22.101	#27: 6.0.0	No	N
02.41		Operator Determined Barring	R1997	6.0.0		Yes	S1		...		CLAYTON, Michael		#27: 6.0.0	No	N
02.42		Network Identity and Timezone (NITZ); Service Description, Stage 1	R1997	6.0.0		Yes	S1		GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#27: 6.0.0	No	N

02.48	Security mechanisms for the SIM Application Toolkit; Stage 1	R1997	6.0.0		Yes	T3	S3	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31	#25: 6.0.0	No	N
02.60	General Packet Radio Service Stage 1 Description	R1997	6.3.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#21: 5.0.0 #23: 5.1.0 #24: 5.2.0 #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #28: 6.2.0 TSG#5 6.3.0 TSG#7:6.4.0	No	N
02.63	Packet Data on Signalling channels Service (PDS) - Stage 1	R1997	6.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#27: 6.0.0	No	N
02.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP) - Stage 1	R1997	6.1.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#27: 6.0.0 #29 6.1.0	No	N
02.68	Voice Group Call Service (VGCS) - Stage 1	R1997	6.0.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#27: 6.0.0	No	N
02.69	Voice Broadcast Service (VBS) - Stage 1	R1997	6.0.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael		#27: 6.0.0	No	N
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	R1997	6.4.0		Yes	S1	-	KLEIER, Stephan	MANNESMANN Mobilfunk GmbH	CLAYTON, Michael		#25: 6.0.0 #26: 6.1.0 #28: 6.2.0 #29: 6.3.0 TSG#5 6.4.0	No	N
02.79	Support of Optimal Routeing (SOR); Service definition (Stage 1)	R1997	6.0.0		Yes	S1	-	FREY, Sophie	CEGETEL	CLAYTON, Michael		#27: 6.0.0	No	N
02.81	Line Identification Supplementary Services - Stage 1	R1997	6.0.0		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#27: 6.0.0	No	N
02.82	Call Forwarding (CF) Supplementary Services - Stage 1	R1997	6.0.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#27: 6.0.0	No	N
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 1	R1997	6.0.0		Yes	S1	-	...		CLAYTON, Michael		#27: 6.0.0	No	N
02.84	MultiParty (MPTY) Supplementary Services - Stage 1	R1997	6.0.0		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael		#27: 6.0.0	No	N
02.85	Closed User Group (CUG) Supplementary Services - Stage 1	R1997	6.0.0		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#27: 6.0.0	No	N
02.86	Advice of Charge (AoC) Supplementary Services -	R1997	6.0.0		Yes	S1	-	CRAWFORD, Ian	VODAFONE Group Plc	CLAYTON, Michael		#27: 6.0.0	No	N

	Stage 1														
02.88	Call Barring (CB) Supplementary Services - Stage 1	R1997	6.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#27: 6.0.0	No	N	
02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	R1997	6.0.0		Yes	S1	-	SLOTTE, Sverre	NOKIA Corporation	CLAYTON, Michael		#27: 6.0.0	No	N	
02.91	Explicit Call Transfer (ECT)	R1997	6.0.0		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael		#27: 6.0.0	No	N	
02.93	Completion of Calls to Busy Subscriber (CCBS) Service Description - Stage 1	R1997	6.0.1		Yes	S1	-	...		CLAYTON, Michael		#16: 5.0.0 #19: 5.1.0 #20: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0 #25: 6.0.0 (5.x.y withdrawn) #26: 6.0.1	No	N	
02.95	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	R1997	6.0.0		Yes	S1	-	...		CLAYTON, Michael		#27: 6.0.0	No	N	
02.96	Name Identification Supplementary Services; Stage 1	R1997	6.0.1		Yes	S1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	CLAYTON, Michael		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn) #27: 6.0.1	No	N	
03.01	Network Functions	R1997	6.1.0		Yes	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7	#27: 6.0.0 #28: 6.1.0	No	N	
03.02	Network Architecture	R1997	6.1.0		Yes	S2	NP / T2	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain		#25: 6.0.0 #26: 6.1.0	No	N	
03.03	Numbering, Addressing and Identification	R1997	6.6.0		Yes	N4	T2	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #28: 6.2.0 #29: 6.3.0 TSG#5 6.4.0 TSG#7: 6.5.0 TSG#8: 6.6.0	No	N	
03.05	Technical performance objectives	R1997	6.0.0		Yes	NP	-	...		BOSWARTHICK, David		#27: 6.0.0	No	N	
03.07	Restoration Procedures	R1997	6.2.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #29: 6.2.0	No	N	
03.08	Organization of Subscriber Data	R1997	6.4.0		Yes	N4	-	BAUER, Rolf	ALCATEL SEL AG	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 TSG#7: 6.4.0	No	N	

03.09	Handover Procedures	R1997	6.0.0		Yes	N1	-	FARHOUMAND, Rouzbeh	Ericsson Incorporated	AL -BAKRI, Ban		#27: 6.0.0	No	N
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	R1997	6.0.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		#27: 6.0.0	No	N
03.11	Technical Realization of Supplementary Services - General Aspects	R1997	6.0.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#27: 6.0.0	No	N
03.12	Location Registration Procedures	R1997	6.0.0		Yes	N4	-	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#27: 6.0.0	No	N
03.13	Discontinuous Reception (DRX) in the GSM System	R1997	6.0.0		Yes	GP	-	...		USAI, Paolino		#27: 6.0.0	No	N
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	R1997	6.0.0		Yes	N1	-	...		AL -BAKRI, Ban		#27: 6.0.0	No	N
03.15	Technical Realization of Operator Determined Barring	R1997	6.1.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#26: 6.0.0 SMG#29: 6.1.0	No	N
03.16	Subscriber Data Management	R1997	6.4.0		Yes	N4	-	DETTNER, Harald	SIEMENS AG	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 SMG#29: 6.4.0	No	N
03.18	Basic Call Handling	R1997	6.6.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 SMG#29: 6.4.0 TSG#5 6.5.0 TSG#7: 6.6.0	No	N
03.20	Security-related Network Functions	R1997	6.1.0		Yes	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#25: 6.0.0 SMG#29: 6.1.0 #32:6.2.0	No	N
03.22	Functions Related to Mobile Station (MS) in Idle Mode	R1997	6.2.0		Yes	G2	N1	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	Moved from SMG3 Jan 2000	#26: 6.0.0 #28: 6.1.0 SMG#29: 6.2.0	No	N
03.26	Multiband operation of GSM/DCS 1800 by a single operator	R1997	6.0.0		Yes	GP	NP	...		USAI, Paolino		#27: 6.0.0	No	N
03.30	Radio Network Planning Aspects	R1997	6.0.1		Yes	GP	-	STEVENS, Peter John	One 2 one	USAI, Paolino		#26: 6.0.0	No	N
03.32	Universal Geographical Area Description (GAD)	R1997	6.0.0		Yes	S2	-	...		SULTAN, Alain		#27: 6.0.0	No	N
03.34	High Speed Circuit Switched Data (HSCSD); Stage 2	R1997	6.0.0		Yes	N1	-	MUHONEN, Ahti	NOKIA Corporation	AL -BAKRI, Ban		#27: 6.0.0	No	N

03.38	Alphabets and Language Specific Information for GSM	R1997	6.0.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#25: 6.0.0	No	N
03.39	Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	R1997	6.0.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#27: 6.0.0	No	N
03.40	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	R1997	6.1.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#23: 6D1.0 #24: 6D2.0 #25: 6.0.0 #26: 6.1.0	No	N
03.41	Technical Realization of Short Message Service Cell Broadcast (SMSCB)	R1997	6.1.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#25: 6.0.0 #26: 6.1.0	No	N
03.42	SMS Compression	R1997	6.0.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#27: 6.0.0	No	N
03.43	Support of Videotex	R1997	6.0.0		Yes	T2	-	DI TRIA, Paolo	CSELT - Centro Studi e Laboratori Telecomunicazioni	RODERMUND, Friedhelm		#27: 6.0.0	No	N
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	R1997	6.0.0		Yes	T2	-	...		RODERMUND, Friedhelm		#27: 6.0.0	No	N
03.45	Technical Realization of Facsimile Group 3 Service - transparent	R1997	6.0.1		Yes	N3	-	...		BOSWARTHICK, David		#27: 6.0.0	No	N
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	R1997	6.0.0		Yes	N3	-	...		BOSWARTHICK, David		#27: 6.0.0	No	N
03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	R1997	6.0.0		Yes	T2	-	...		RODERMUND, Friedhelm		#27: 6.0.0	No	N
03.48	Security Mechanisms for SIM Toolkit Application - Stage 2	R1997	6.2.0		Yes	T3	-	BARNES, David	DTI - Department of Trade and Industry	SANDERS, Michael	SMG9->T3@#31	#25: 6.0.0 #26: 6.1.0 #28: 6.2.0	No	N
03.49	Example Protocol Stacs for Interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	R1997	6.1.0		Yes	T2	-	MEREDITH, Andrew	MOTOROLA Ltd	RODERMUND, Friedhelm		#25: 6.0.0 #26: 6.1.0	No	N
03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	R1997	6.2.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#27: 6.0.0 #28: 6.1.0 #32:6.2.0	No	N

03.54	Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2	R1997	6.0.0		Yes	N3	-	ROSTÖ, Tommy	TELIA AB	BOSWARTHICK, David		#27: 6.0.0	No	N
03.58	Characterisation, test methods and quality assessment for handsfree Mobile Stations (MSs)	R1997	6.0.1		Yes	S4	-	MONFORT, Jean-Yves	France Telecom R&D	USAI, Paolino		#23: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)	No	N
03.60	General Packet Radio Service (GPRS) Service description; Stage 2	R1997	6.7.0		Yes	S2	-	NAPER, Hans Petter	MOTOROLA GmbH	SULTAN, Alain		#23: 5.1.0 #24: 5.2.0 #25: 5.3.0 #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 TSG#5 6.5.0 S#6: 6.6.0 TSG#7: 6.7.0	No	N
03.63	Packet Data on Signalling channels service (PDS) Service description, Stage 2	R1997	6.0.0		Yes	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#27: 6.0.0	No	N
03.64	Overall description of the GPRS radio interface; Stage 2	R1997	6.4.0		Yes	G2	-	...		THOMASEN, Gert		#23: 5.1.0 #24: 5.2.0 #25: 6.0.0 (5.x.y withdrawn) #27: 6.1.0 #28: 6.2.0 #29: 6.3.0 #30: 6.4.0	No	N
03.67	Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	R1997	6.1.0		Yes	N4	-	MÜNNING, Dirk	DETECON GMBH	SETTIMO, Franco		#27: 6.0.0 TSG#7: 6.1.0	No	N
03.68	Voice Group Call Service (VGCS); Stage 2	R1997	6.2.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban		#25: 6.0.0 #26: 6.1.0 TSG#7: 6.2.0 #32:6.3.0	No	N
03.69	Voice Broadcast service (VBS); Stage 2	R1997	6.2.0		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban		#25: 6.0.0 #26: 6.1.0 TSG#7: 6.2.0	No	N
03.70	Routeing of Calls to/from Public Data Networks (PDN)	R1997	6.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#27: 6.0.0	No	N
03.78	CAMEL Phase 2; Stage 2	R1997	6.7.0		Yes	N2	-	LANTELME, Isabelle	ALCATEL France	HELLMAN, Monica		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 TSG#5 6.5.0 TSG#7: 6.6.0 TSG#8:6.7.0	No	N
03.79	Support of Optimal Routing phase 1; Stage 2	R1997	6.3.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#27: 6.0.0 #29: 6.1.0 TSG#5: 6.2.0 TSG#7:	No	N

													6.3.0		
03.81	Line Identification Supplementary Services; Stage 2	R1997	6.0.0		Yes	N4	-	...			SETTIMO, Franco		#27: 6.0.0	No	N
03.82	Call Forwarding (CF) Supplementary Services; Stage 2	R1997	6.1.0		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH		SETTIMO, Franco		#27: 6.0.0 #29: 6.1.0	No	N
03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2	R1997	6.0.0		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)		SETTIMO, Franco		#27: 6.0.0	No	N
03.84	Multi Party (MPTY) Supplementary Services; Stage 2	R1997	6.0.0		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH		SETTIMO, Franco		#27: 6.0.0	No	N
03.85	Closed user Group (CUG) Supplementary Services; Stage 2	R1997	6.0.0		Yes	N4	-	...			SETTIMO, Franco		#27: 6.0.0	No	N
03.86	Advice of Charge (AoC) Supplementary Services; Stage 2	R1997	6.0.1		Yes	N4	-	...			SETTIMO, Franco		#27: 6.0.0	No	N
03.88	Call Barring (CB) supplementary services - Stage 2	R1997	6.0.0		Yes	N4	-	HAMEL, Eric	France Telecom R&D		SETTIMO, Franco		#27: 6.0.0	No	N
03.90	Unstructured Supplementary Service Data (USSD)	R1997	6.0.0		Yes	N4	-	CHOTAI, Sunil	BT		SETTIMO, Franco		#27: 6.0.0	No	N
03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	R1997	6.0.0		Yes	N4	-	DZUBAN, Stanislav	SIEMENS AG		SETTIMO, Franco		#27: 6.0.0	No	N
03.93	Technical realization of Completion of Calls to Busy Subscriber (CCBS); Stage 2	R1997	6.2.0		Yes	N4	-	HÄMÄLÄINEN, Pekka	NOKIA MOBILE PHONES		SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0	No	N
03.96	Name Identification Supplementary Services; Stage 2	R1997	6.0.1		Yes	N4	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)		SETTIMO, Franco		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)	No	N
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	R1997	6.0.0		Yes	N1	-	AVELINE, Sophie	France Telecom R&D		AL -BAKRI, Ban		#27: 6.0.0	No	N
04.02	GSM Public Land Mobile Network (PLMN) Access Reference Configuration	R1997	6.0.0		Yes	N1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)		AL -BAKRI, Ban		#27: 6.0.0	No	N
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	R1997	6.0.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D		THOMASEN, Gert		#25: 6.0.0	No	N
04.04	Layer 1 - General Requirements	R1997	6.0.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D		THOMASEN, Gert		#25: 6.0.0	No	N

04.05	Data Link (DL) Layer General Aspects	R1997	6.0.1		Yes	G2	-	...		THOMASEN, Gert		#27: 6.0.0	No	N
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	R1997	6.2.0		Yes	G2	-	...		THOMASEN, Gert		#27: 6.0.0 #29: 6.1.0 #31:6.2.0	No	N
04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	R1997	6.5.1		Yes	N1	-	...		AL -BAKRI, Ban		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28 6.3.0 #29: 6.4.0 TSG#5: 6.5.0	No	N
04.08	Mobile Radio Interface - Layer 3 Specification	R1997	6.c.0		No	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)	#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28 6.3.0 #29: 6.4.0 TSG#5: 6.5.0 TSG#6 6.7.0 #31:6.8.0 TSG#7: 6.9.0 #31b:6.10.0 #32:6.11.0 TSG#8:6.11.0 GERAN#1:6.c.0	No	N
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	R1997	6.0.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#25: 6.0.0	No	N
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	R1997	6.0.1		Yes	N1	-	NOBUYUKI, Uda	NTT Communications Ware Corporation	AL -BAKRI, Ban		#25: 6.0.0	No	N
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	R1997	6.0.1		Yes	G2	T2	PUDNEY, Chris	VODAFONE Group Plc	THOMASEN, Gert		#27: 6.0.0	No	N
04.13	Performance Requirements on Mobile Radio Interface	R1997	6.0.1		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#27: 6.0.0	No	N
04.14	Individual equipment type requirements and interworking; Special conformance testing functions	R1997	6.2.0		Yes	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert		#27: 6.0.0 #30: 6.1.0 #32:6.2.0	No	N
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	R1997	6.1.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#27: 6.0.0 TSG#8:6.1.0	No	N
04.22	Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	R1997	6.2.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#26: 6.0.0 #27: 6.1.0 TSG#6: 6.2.0	No	N

04.60	General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol	R1997	6.a.0		No	G2	-	...		THOMASEN, Gert		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 #30: 6.5.0 #30b: 6.6.0 #31:6.7.0 #31b:6.8.0 #32:6.9.0 GERAN#1:6.a.0	No	N
04.63	Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	R1997	6.0.0		Yes	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#27: 6.0.0	No	N
04.64	Mobile Station - Serving GPRS Support Node (MS-SGSN) Logical Link Control (LLC) Layer Specification	R1997	6.7.0		Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban		#23: 5.0.0 #24: 5.1.0 #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 #30: 6.5.0 post-TSG#6: 6.6.0 #31:6.7.0	No	N
04.65	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCCP)	R1997	6.7.0		Yes	N1	-	SALKINTZIS, Apostolis	MOTOROLA GmbH	AL -BAKRI, Ban	24.065 exists, but will be scrapped for R99.	#23: 5.0.0 #24: 5.1.0 #25: 6.0.0 (5.x.y withdrawn) #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 #30: 6.5.016.6.0 #31:6.7.0	No	N
04.67	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	R1997	6.0.1		Yes	N4	-	MÜNNING, Dirk	DETECON GMBH	SETTIMO, Franco		#27: 6.0.0	No	N
04.68	Group Call Control (GCC) Protocol	R1997	6.3.0		Yes	N1	-	...		AL -BAKRI, Ban		#27: 6.0.0 #29: 6.1.0 #30: 6.2.0 TSG#7: 6.3.0	No	N
04.69	Broadcast Call Control (BCC) protocol	R1997	6.3.0		Yes	N1	-	...		AL -BAKRI, Ban		#27: 6.0.0 #29: 6.1.0 #30: 6.2.0 TSG#7: 6.3.0	No	N
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	R1997	6.1.1		Yes	N4	-	...		SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #28: 6.1.1	No	N
04.81	Line Identification Supplementary Services - Stage 3	R1997	6.0.1		Yes	N4	-	...		SETTIMO, Franco		#27: 6.0.0	No	N
04.82	Call Forwarding (CF) Supplementary Services - Stage 3	R1997	6.0.1		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		#27: 6.0.0	No	N

04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 3	R1997	6.0.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#27: 6.0.0	No	N
04.84	Multi Party (MPTY) Supplementary Services - Stage 3	R1997	6.0.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#27: 6.0.0	No	N
04.85	Closed User Group (CUG) Supplementary Services - Stage 3	R1997	6.0.0		Yes	N4	-	...		SETTIMO, Franco		#27: 6.0.0	No	N
04.86	Advice of Charge (AoC) Supplementary Services - Stage 3	R1997	6.0.1		Yes	N4	-	...		SETTIMO, Franco		#27: 6.0.0	No	N
04.88	Call Barring (CB) Supplementary Services - Stage 3	R1997	6.0.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#25: 6.0.0	No	N
04.90	Unstructured Supplementary Service Data (USSD)	R1997	6.0.1		Yes	N4	-	...		SETTIMO, Franco		#27: 6.0.0	No	N
04.91	Explicit Call Transfer (ECT) Supplementary Service - Stage 3	R1997	6.0.1		Yes	N4	-	DZUBAN, Stanislav	SIEMENS AG	SETTIMO, Franco		#27: 6.0.0	No	N
04.93	Completion of Calls to Busy Subscriber (CCBS); Stage 3	R1997	6.1.1		Yes	N4	-	HÄMÄLÄINEN, Pekka	NOKIA MOBILE PHONES	SETTIMO, Franco		#25: 6.0.0 #26: 6.1.0 #28:6.1.1	No	N
04.96	Name Identification Supplementary Services; Stage 3	R1997	6.0.1		Yes	N4	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)	No	N
05.01	Physical Layer on the Radio Path (General Description)	R1997	6.1.1		Yes	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		#24: 6.0.0 #25: 6.1.0	No	N
05.02	Multiplexing and Multiple Access on the Radio Path	R1997	6.9.0		Yes	GP	-	...		USAI, Paolino		#24: 6.0.0 #25: 6.1.0 #26: 6.2.0 #27: 6.3.0 #28: 6.4.0 #29: 6.5.0 #30: 6.6.0 SMG#30bis: 6.7.0 #31:6.8.0 #31b:6.9.0	No	N
05.03	Channel Coding	R1997	6.2.1		Yes	GP	-	...		USAI, Paolino		#24: 6.0.0 #25: 6.1.0 #28: 6.2.0	No	N
05.04	Modulation	R1997	6.1.0		Yes	GP	-	REINER, Michaël	AEG Mobile Communications GmbH (AMC)	USAI, Paolino		#27: 6.0.0 #30b: 6.1.0	No	N
05.05	Radio Transmission and Reception	R1997	6.8.0		No	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#24: 6.0.0 #25: 6.1.0 #26: 6.2.0 #27: 6.3.0 #28: 6.4.0 #29: 6.5.0 #30: 6.6.0	No	N

												#31:6.7.0 GERAN#1:6.8.0		
05.08	Radio Subsystem Link Control	R1997	6.9.0		No	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		. GERAN#1:6.9.0	No	N
05.10	Radio Subsystem Synchronization	R1997	6.6.0		Yes	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino		#24: 6.0.0 #25: 6.1.0 #26: 6.2.0 #27: 6.3.0 #28: 6.4.0 #29: 6.5.0 #30: 6.6.0	No	N
05.22	Radio link management in hierarchical networks	R1997	6.0.0		Yes	GP	-	...		USAI, Paolino		#27: 6.0.0	No	N
05.50	Background for RF Requirements	R1997	6.1.0		Yes	GP	-	...		USAI, Paolino		#24: 6.0.0 #31:6.1.0	No	N
06.01	Full Rate Speech Processing Functions	R1997	6.0.1		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#27: 6.0.0	No	N
06.02	Half Rate Speech Processing Functions	R1997	6.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#27: 6.0.0	No	N
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	R1997	6.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#27: 6.0.0	No	N
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	R1997	6.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#27: 6.0.0	No	N
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	R1997	6.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		#27: 6.0.0	No	N
06.10	Full Rate Speech Transcoding	R1997	6.1.0		Yes	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino		#27: 6.0.0 #32:6.1.0	No	N
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	R1997	6.0.1		Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		#27: 6.0.0	No	N
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	R1997	6.0.1		Yes	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino		#27: 6.0.0	No	N
06.20	Half Rate Speech Transcoding	R1997	6.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#27: 6.0.0	No	N
06.21	Substitution and Muting of Lost Frames for Half Rate Traffic Speech Traffic Channels	R1997	6.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#27: 6.0.0	No	N
06.22	Comfort Noise Aspects for Half Rate Speech Traffic	R1997	6.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#27: 6.0.0	No	N

		Channels													
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	R1997	6.0.1		Yes	S4	-	...			USAI, Paolino		#27: 6.0.0	No	N
06.32	Voice Activity Detection (VAD)	R1997	6.0.1		Yes	S4	-	BARRETT, Paul	BT		USAI, Paolino		#27: 6.0.0	No	N
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	R1997	6.0.1		Yes	S4	-	...			USAI, Paolino		#27: 6.0.0	No	N
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	R1997	6.0.1		Yes	S4	-	BARRETT, Paul	BT		USAI, Paolino		#27: 6.0.0	No	N
06.51	GSM Enhanced full rate speech processing functions: General description	R1997	6.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0 #32:6.1.0	No	N
06.53	ANSI-C code for the GSM Enhanced full rate speech codec	R1997	6.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0	No	N
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	R1997	6.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0 #32:6.1.0	No	N
06.55	Performance characterisation of the GSM EFR Speech Codec	R1997	6.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH		USAI, Paolino		#27: 6.0.0	No	N
06.60	Enhanced full rate speech transcoding	R1997	6.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0	No	N
06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels	R1997	6.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0	No	N
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	R1997	6.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0	No	N
06.81	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels	R1997	6.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0 #30: 6.1.0	No	N
06.82	Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	R1997	6.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation		USAI, Paolino		#27: 6.0.0	No	N
06.85	Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	R1997	6.0.0		Yes	S4	-	...			USAI, Paolino		#27: 6.0.0	No	N
07.01	General on Terminal Adaptation Functions (TAF)	R1997	6.1.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS		BOSWARTHICK, David		#27: 6.0.0 #29: 6.1.0	No	N

		for Mobile Stations (MS)													
07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	R1997	6.0.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#26: 6.0.0	No	N	
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	R1997	6.0.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#26: 6.0.0	No	N	
07.05	Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)	R1997	6.0.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#27: 6.0.0	No	N	
07.07	Digital cellular telecommunications System (Phase 2) AT Command set for GSM Mobile Equipment (ME)	R1997	6.4.0		Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #29: 6.3.0 TSG#5: 6.4.0	No	N	
07.10	Terminal Equipment to Mobile Station (TE-MS) multiplexer protocol	R1997	6.4.0		Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 TSG#5: 6.4.0	No	N	
07.60	General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS	R1997	6.5.0		Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #29: 6.3.0 TSG#5: 6.4.0 TSG#6: 6.5.0	No	N	
08.01	General Aspects on the BSS-MSC Interface	R1997	6.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#27: 6.0.0	No	N	
08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	R1997	6.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#27: 6.0.0	No	N	
08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	R1997	6.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#27: 6.0.0	No	N	
08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	R1997	6.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#27: 6.0.0	No	N	

08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	R1997	6.5.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#31b:6.5.0	No	N
08.14	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) interface; Gb Interface Layer 1	R1997	6.0.0		Yes	G2	-	...		THOMASEN, Gert		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn)	No	N
08.16	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN) Interface; Network Service	R1997	6.3.0		Yes	G2	-	...		THOMASEN, Gert		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn) #26: 6.1.0 #28: 6.2.0 #29: 6.3.0	No	N
08.18	General Packet Radio Service (GPRS); Base Station System (BSS) - Serving GPRS Support Node (SGSN); BSS GPRS Protocol	R1997	6.7.1		Yes	G2	-	...		THOMASEN, Gert		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn) #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 #30: 6.5.0 #31:6.7.0	No	N
08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	R1997	6.0.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#27: 6.0.0	No	N
08.51	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	R1997	6.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#27: 6.0.0	No	N
08.52	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	R1997	6.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#27: 6.0.0	No	N
08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	R1997	6.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#27: 6.0.0	No	N
08.56	BSC-BTS Layer 2 Specification	R1997	6.0.0		Yes	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert		#27: 6.0.0	No	N
08.58	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	R1997	6.3.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#25: 6.0.0 #28: 6.1.0 #29: 6.2.0 #30: 6.3.0	No	N
08.60	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	R1997	6.0.1		Yes	GP	-	...		USAI, Paolino		#27: 6.0.0	No	N
08.61	Inband Control of Remote	R1997	6.0.1		Yes	GP	NP	JACOB, Petra	SIEMENS AG	USAI, Paolino		#27: 6.0.0	No	N

		Transcoder and Rate Adaptors;(Half Rate)													
09.01		General Network Interworking Scenarios	R1997	6.0.0		Yes	N4	-	...		SETTIMO, Franco		#27: 6.0.0	No	N
09.02		Mobile Application Part (MAP) Specification	R1997	6.8.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	CN->N4 Apr00 (JMM)	#24: 6D1.0 #25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 TSG#5: 6.5.0 N#6: 6.6.0. TSG#7: 6.7.0 TSG#8:6.8.0	No	N
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)	R1997	6.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#27: 6.0.0	No	N
09.04		Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	R1997	6.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#27: 6.0.0	No	N
09.05		Interworking between the PLMN and the PSPDN for PAD Access	R1997	6.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#27: 6.0.0	No	N
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	R1997	6.0.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David	N3: "no R99 needed".	#27: 6.0.0	No	N
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)	R1997	6.2.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#27: 6.0.0 #29: 6.1.0 N#6: 6.2.0	No	N
09.08		Application of the Base Station System Application Part (BSSAP) on the E-Interface	R1997	6.0.0		Yes	N1	-	JORGENSEN, Per Johan	ERICSSON L.M. Telefonaktiebolag et	AL -BAKRI, Ban		#27: 6.0.0	No	N
09.10		Information Element Mapping between Mobile	R1997	6.1.0		Yes	N4	-	...		SETTIMO, Franco		#25: 6.0.0 #29: 6.1.0	No	N

	Station - Base Station System (MS - BSS) and Base Station System - Mobile-services Switching Centre (BSS - MCS) Signalling Procedures and the Mobile Application Part (MAP)													
09.11	Signalling Interworking for Supplementary Services	R1997	6.0.0		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#26: 6.0.0	No	N
09.13	Signalling interworking between ISDN supplementary services Application Service Element (ASE) and Mobile Application Part (MAP) protocols	R1997	6.0.0		Yes	N4	-	CHOTAI, Sunil	BT	SETTIMO, Franco		#27: 6.0.0	No	N
09.16	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface network service specification	R1997	6.1.0		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#25: 6.0.0 #28: 6.1.0	No	N
09.18	General Packet Radio Service (GPRS); Serving GPRS Support Node (SGSN) - Visitors Location Register (VLR); Gs interface layer 3 specification	R1997	6.6.0		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 TSG#5: 6.5.0. TSG#7: 6.6.0	No	N
09.60	General Packet Radio Service (GPRS); GPRS Tunnelling Protocol GPT) across the Gn and Gp Interface	R1997	6.8.0		Yes	N4	-	OLTEDAL, Einar	ERICSSON L.M. Telefonaktiebolaget	SETTIMO, Franco		#24: 5.0.0 #25: 6.0.0 (5.0.0 withdrawn) #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29: 6.4.0 TSG#5: 6.5.0. TSG#7: 6.7.0 TSG#8:6.8.0	No	N
09.61	General Packet Radio Service (GPRS); Interworking between the Public Land Mobile Network (PLMN) supporting GPRS and Packet	R1997	6.4.0		Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David		#25: 6.0.0 #26: 6.2.0 (6.1.0 withdrawn due to WORD compatibility problems) #27: 6.3.0 #30: 6.4.0	No	N
09.78	CAMEL Application Part phase 2 (stage 3)	R1997	6.5.0		Yes	N2	-	NOLDUS, Rogier	ERICSSON L.M. Telefonaktiebolaget	HELLMAN, Monica		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 #29:	No	N

												6.4.0 TSG#8:6.5.0		
10.02	Guidelines for the modification of the Mobile Application Part (MAP) in phase 2+	R1997	6.1.0		No	N4	-	...		SETTIMO, Franco		#28: 6.1.0	No	N
10.60	General Packet Radio Services (GPRS); Project Scheduling and Open Issues	R1997	6.0.0		No	S2	-	PETERSEN, Johan	ERICSSON L.M. Telefonaktiebolaget	SULTAN, Alain		#21: 5.0.0 #22: 5.1.0 #23: 5.2.0 #24: 5.3.0 #25: 6.0.0 (5.x.y withdrawn)	No	N
11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	R1997	6.3.1		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia	R99 version now serves all releases. Earlier releases frozen.	#28: 6.0.0 #29: 6.1.0 #30: 6.2.0 #31:6.3.0 #31bis: closed (R99 version serves all releases)	No	N
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	R1997	6.3.0		Yes	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael		#25: 6.0.0 #26: 6.1.0 #28: 6.2.0 #31:6.3.0 #32:frozen	No	N
11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	R1997	6.3.0		Yes	T3	-	WOODSEND, Kristian	ASPECTS Software Ltd	SANDERS, Michael		#25: 6.0.0 #26: 6.1.0 #27: 6.2.0 #28: 6.3.0 (#31:6.4.0 but CR later withdrawn)	No	N
12.05	Subscriber Related Call and Event Data	R1997	6.1.0		Yes	S5	S1	SJÖBLOM, Kai	NOKIA Corporation	ZOICAS, Adrian		#27: 6.0.0 #28: 6.1.0	No	N
12.11	Fault management of the Base Station System (BSS)	R1997	6.3.0		Yes	S5	S1 / GP	...		ZOICAS, Adrian		#26: 6.0.0 #27: 6.1.0 #28: 6.2.0 #29: 6.3.0	No	N
12.15	General Packet Radio Service (GPRS); GPRS Charging	R1997	6.2.0		Yes	S5	-	HEATON, Graham	RTS Wireless Inc.	ZOICAS, Adrian		#27: 6.1.0 #28: 6.2.0	No	N
01.00	Working Procedures for SMG	R1996	5.2.0		Yes	SP	-	BERGMANN, Ansgar	ETSI Secretariat	POPE, Maurice		#17: 5.0.0 #19: 5.1.0 #25: 5.2.0	No	N
01.02	General Description of a GSM Public Land Mobile Network (PLMN)	R1996	5.0.0		Yes	S1	GP / NP	JORGENSEN, Niels H.	TELE DANMARK A/S	CLAYTON, Michael		#17: 5.0.0	No	N
01.04	Abbreviations and Acronyms	R1996	5.0.1		Yes	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino		#17: 5.0.0 #20: 5.0.1	No	N
01.48	ISDN-based DECT/GSM interworking; Feasibility study	R1996	5.0.1		Yes	S1	-	GRAETZ, Ingeborg	SIEMENS AG	CLAYTON, Michael		#19: 5.0.0 #20: 5.0.1	No	N
02.01	Principles of	R1996	5.5.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA	CLAYTON, Michael		#16: 5.0.0 #17:	No	N

		Telecommunication Services Supported by a GSM Public Land Mobile Network (PLMN)							Corporation			5.1.0 #20: 5.2.0 #24: 5.3.0 #26: 5.4.0 #29: 5.5.0		
02.02		Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	R1996	5.3.2		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael	#16: 5.0.0 #18: 5.1.0 #20: 5.2.0 #22: 5.3.0	No	N
02.03		Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	R1996	5.3.2		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael	#17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #21: 5.2.0 #22: 5.3.0	No	N
02.04		General on Supplementary Services	R1996	5.7.4		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael	#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #22: 5.6.0 #23: 5.7.0 #25: 5.7.1 #29: 5.7.3	No	N
02.06		Types of Mobile Stations (MS)	R1996	5.2.1		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael	#20: 5.0.0 #21: 5.1.0 #28: 5.2.0	No	N
02.07		Mobile Station (MS) Features	R1996	5.4.1		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael	#17: 5.0.0 #18: 5.1.0 #20: 5.2.0 #22: 5.3.0 #24: 5.4.0	No	N
02.09		Security Aspects	R1996	5.2.0		Yes	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice	#20: 5.0.0 #22: 5.1.0 edito 5.1.1 #31: 5.2.0	No	N
02.11		Service Accessibility	R1996	5.0.1		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael	#20: 5.0.0	No	N
02.16		International Mobile Station Equipment Identities (IMEI)	R1996	5.2.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael	#20: 5.0.0 #30: 5.1.0 TSG#8: 5.2.0	No	N
02.17		Subscriber Identity Modules, Functional Characteristics	R1996	5.1.1		Yes	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael	#20: 5.0.0 #27: 5.1.0	No	N
02.22		Stage 1 for Personalisation of GSM ME	R1996	5.4.0		Yes	S1		DURAND, Romain	ALCATEL France	CLAYTON, Michael	#17: 5.0.0 #19: 5.1.0 #20: 5.2.0 #23: 5.3.0 #25: 5.3.1 #26: 5.4.0	No	N
02.24		Description of Charge Advice Information (CAI)	R1996	5.0.1		Yes	S1		DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	#20: 5.0.0	No	Ye
02.30		Man-machine Interface (MMI) of the Mobile Station (MS)	R1996	5.7.1		Yes	S1		JEAL, David	VODAFONE Group Plc	CLAYTON, Michael	#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.3.1 #21: 5.4.0 #22: 5.5.0 #23:	No	N

													5.6.0 #24: 5.6.2 #28: 5.7.0		
02.34	High Speed Circuit Switched Data (HSCSD) - Stage 1	R1996	5.2.1		Yes	S1		MUHONEN, Ahti	NOKIA Corporation	CLAYTON, Michael			#21: 5.1.0 #22: 5.2.0	No	N
02.40	Procedures for Call Progress Indications	R1996	5.0.0		Yes	S1	NP	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	R99 -> 22.101		#20: 5.0.0	No	N
02.41	Operator Determined Barring	R1996	5.1.1		Yes	S1		...		CLAYTON, Michael			#16: 5.0.0 #21: 5.1.0 #24: 5.1.1	No	N
02.42	Network Identity and Timezone (NITZ); Service Description, Stage 1	R1996	5.1.0		Yes	S1		GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael			#19: 5.0.0 #24: 5.1.0	No	N
02.63	Packet Data on Signalling channels Service (PDS) - Stage 1	R1996	5.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael			#19: 5.0.0	No	N
02.67	Enhanced Multi-Level Precedence and Pre-emption Service (eMLPP) - Stage 1	R1996	5.1.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael			#16: 5.0.0 #19: 5.0.1 #20: 5.0.2 #22: 5.0.4 #29 5.1.0	No	N
02.68	Voice Group Call Service (VGCS) - Stage 1	R1996	5.2.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael			#16: 5.0.0 #17: 5.1.0 #20: 5.1.1 #21: 5.1.2 #22: 5.1.3 #26: 5.2.0	No	N
02.69	Voice Broadcast Service (VBS) - Stage 1	R1996	5.2.1		Yes	S1	-	GILES, Les	Global Crossing (UK) Telecommunications Ltd	CLAYTON, Michael			#16: 5.0.0 #17: 5.1.0 #20: 5.1.1 #21: 5.1.2 #22: 5.1.3 #26: 5.2.0	No	N
02.78	Customized Applications for Mobile network Enhanced Logic (CAMEL); Service definition (Stage 1)	R1996	5.6.0		Yes	S1	-	KLEIER, Stephan	MANNESMANN Mobilfunk GmbH	CLAYTON, Michael			#19: 5.0.0 #20: 5.1.0 #21: 5.1.1 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0 #26: 5.5.0 #28: 5.6.0	No	N
02.79	Support of Optimal Routing (SOR); Service definition (Stage 1)	R1996	5.2.0		Yes	S1	-	FREY, Sophie	CEGETEL	CLAYTON, Michael			#19: 5.0.0 #20: 5.1.0 #28: 5.2.0	No	N
02.81	Line Identification Supplementary Services - Stage 1	R1996	5.1.0		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael			#20: 5.0.0 #24: 5.1.0	No	N
02.82	Call Forwarding (CF) Supplementary Services - Stage 1	R1996	5.0.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael			#16: 5.0.0	No	N
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 1	R1996	5.0.0		Yes	S1	-	...		CLAYTON, Michael			#20: 5.0.0	No	N
02.84	MultiParty (MPTY)	R1996	5.0.0		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael			#20: 5.0.0	No	N

		Supplementary Services - Stage 1												
02.85	Closed User Group (CUG) Supplementary Services - Stage 1	R1996	5.0.0		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#20: 5.0.0	No	N
02.86	Advice of Charge (AoC) Supplementary Services - Stage 1	R1996	5.0.0		Yes	S1	-	CRAWFORD, Ian	VODAFONE Group Plc	CLAYTON, Michael		#20: 5.0.0	No	N
02.88	Call Barring (CB) Supplementary Services - Stage 1	R1996	5.0.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#20: 5.0.0	No	N
02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	R1996	5.1.0		Yes	S1	-	SLOTTE, Sverre	NOKIA Corporation	CLAYTON, Michael		#20: 5.0.0 #21: 5.1.0	No	N
02.91	Explicit Call Transfer (ECT)	R1996	5.1.1		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael		#16: 5.0.0 #17: 5.0.1 #19: 5.1.0 #21: 5.1.1	No	N
02.95	Digital cellular telecommunications system (Phase 2+); Support of Private Numbering Plan (SPNP); Service description, Stage 1	R1996	5.2.0		Yes	S1	-	...		CLAYTON, Michael		#16: 5.0.0 #18: 5.1.0 #19: 5.2.0	No	N
03.01	Network Functions	R1996	5.1.0		Yes	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7	#17: 5.0.0 #18: 5.1.0	No	N
03.02	Network Architecture	R1996	5.3.0		Yes	S2	NP / T2	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain		#17: 5.0.0 #18: 5.1.0 #23: 5.2.0 #24: 5.3.0	No	N
03.03	Numbering, Addressing and Identification	R1996	5.4.0		Yes	N4	T2	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#17: 5.0.0 #25: 5.1.0 #29: 5.2.0 TSG#7: 5.3.0 TSG#8:5.4.0	No	N
03.05	Technical performance objectives	R1996	5.0.0		Yes	NP	-	...		BOSWARTHICK, David		#20: 5.0.0	No	N
03.07	Restoration Procedures	R1996	5.1.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#20: 5.0.0 #23: 5.1.0	No	N
03.08	Organization of Subscriber Data	R1996	5.2.0		Yes	N4	-	BAUER, Rolf	ALCATEL SEL AG	SETTIMO, Franco		#18: 5.0.0 #21: 5.1.0 #23: 5.2.0	No	N
03.09	Handover Procedures	R1996	5.1.0		Yes	N1	-	FARHOUMAND, Rouzbeh	Ericsson Incorporated	AL -BAKRI, Ban		#18: 5.0.0 #22: 5.1.0	No	N
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	R1996	5.4.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		#16: 5.0.0 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24:	No	N

												5.4.0		
03.11	Technical Realization of Supplementary Services - General Aspects	R1996	5.0.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#20: 5.0.0	No	N
03.12	Location Registration Procedures	R1996	5.0.0		Yes	N4	-	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#20: 5.0.0	No	N
03.13	Discontinuous Reception (DRX) in the GSM System	R1996	5.0.0		Yes	GP	-	...		USAI, Paolino		#17: 5.0.0	No	N
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	R1996	5.0.0		Yes	N1	-	...		AL -BAKRI, Ban		#20: 5.0.0	No	N
03.15	Technical Realization of Operator Determined Barring	R1996	5.1.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#16: 5.0.0 #21: 5.1.0	No	N
03.16	Subscriber Data Management	R1996	5.3.0		Yes	N4	-	DETTNER, Harald	SIEMENS AG	SETTIMO, Franco		#18: 5.0.0 #21: 5.1.0 #23: 5.2.0 #26: 5.3.0	No	N
03.18	Basic Call Handling	R1996	5.6.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#21: 5.0.0 #22: 5.1.0 #23: 5.2.0 #24: 5.3.0 #25: 5.4.0 #26: 5.5.0 #27: 5.6.0	No	N
03.20	Security-related Network Functions	R1996	5.2.1		Yes	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#20: 5.0.0 #21: 5.1.0 #23: 5.2.0 SMG#29: CRs but postponed, then forgotten!	No	N
03.22	Functions Related to Mobile Station (MS) in Idle Mode	R1996	5.3.1		Yes	G2	N1	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	Moved from SMG3 Jan 2000	#20: 5.0.0 #21: 5.1.0 #22: 5.2.0 #26: 5.3.0	No	N
03.26	Multiband operation of GSM/DCS 1800 by a single operator	R1996	5.2.0		Yes	GP	NP	...		USAI, Paolino		#20: 5.0.0 #22: 5.1.0 #23: 5.2.0	No	N
03.30	Radio Network Planning Aspects	R1996	5.0.0		Yes	GP	-	STEVENS, Peter John	One 2 one	USAI, Paolino		#20: 5.0.0	No	N
03.32	Universal Geographical Area Description (GAD)	R1996	5.2.0		Yes	S2	-	...		SULTAN, Alain		#23: 5.0.0 #26: 5.1.0 #27: 5.2.0	No	N
03.34	High Speed Circuit Switched Data (HSCSD); Stage 2	R1996	5.2.0		Yes	N1	-	MUHONEN, Ahti	NOKIA Corporation	AL -BAKRI, Ban		#21: 5.0.0 #26: 5.1.0 #28: 5.2.0	No	N
03.38	Alphabets and Language Specific Information for GSM	R1996	5.6.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #22: 5.6.0	No	N

03.39	Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	R1996	5.0.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#20: 5.0.0	No	N
03.40	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	R1996	5.8.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #22: 5.6.0 #23: 5.7.0 #26: 5.8.0	No	N
03.41	Technical Realization of Short Message Service Cell Broadcast (SMSCB)	R1996	5.9.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #22: 5.6.0 #23: 5.7.0 #24: 5.8.0 #26: 5.9.0	No	N
03.42	SMS Compression	R1996	5.2.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#21: 5.0.0 #22: 5.1.0 #23: 5.2.0	No	N
03.43	Support of Videotex	R1996	5.0.0		Yes	T2	-	DI TRIA, Paolo	CSELT - Centro Studi e Laboratori Telecomunicazioni	RODERMUND, Friedhelm		#20: 5.0.0	No	N
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	R1996	5.0.0		Yes	T2	-	...		RODERMUND, Friedhelm		#20: 5.0.0	No	N
03.45	Technical Realization of Facsimile Group 3 Service - transparent	R1996	5.2.1		Yes	N3	-	...		BOSWARTHICK, David		#20: 5.0.0 #21: 5.1.0 #22: #5.2.0	No	N
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	R1996	5.0.0		Yes	N3	-	...		BOSWARTHICK, David		#20: 5.0.0	No	N
03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	R1996	5.0.0		Yes	T2	-	...		RODERMUND, Friedhelm		#20: 5.0.0	No	N
03.49	Example Protocol Stacs for Interconnecting Cell Broadcast Centre (CBC) and Base Station Controler (BSC)	R1996	5.7.0		Yes	T2	-	MEREDITH, Andrew	MOTOROLA Ltd	RODERMUND, Friedhelm		#16: 5.0.0 #18: 5.1.0 #19: 5.2.0 #20: 5.3.0 #21: 5.4.0 #22: 5.5.0 #23: 5.6.0 #24: 5.7.0	No	N
03.50	Transmission Planning Aspects of the Speech Service in the GSM Public	R1996	5.4.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#17: 5.0.0 #20: 5.0.1 #24: 5.0.3 #25: 5.1.0	No	N

		Land Mobile Network (PLMN) System										#27: 5.2.0 #28: 5.3.0 #32:5.4.0			
03.54		Description for the use of a Shared Inter Working Function (SIWF) in a GSM PLMN; Stage 2	R1996	5.2.0		Yes	N3	-	ROSTÖ, Tommy	TELIA AB	BOSWARTHICK, David	#23: 5.1.0 #24: 5.2.0	No	N	
03.63		Packet Data on Signalling channels service (PDS) Service description, Stage 2	R1996	5.1.0		Yes	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban	#16: 5.0.0 #18: 5.1.0	No	N	
03.67		Enhanced Multi-Level Precedence and Preemption Service (EMLPP); Stage 2	R1996	5.1.1		Yes	N4	-	MÜNNING, Dirk	DETECON GMBH	SETTIMO, Franco	#16: 5.0.0 #20: 5.1.0	No	N	
03.68		Voice Group Call Service (VGCS); Stage 2	R1996	5.5.1		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban	#16: 5.0.0 #18: 5.1.0 #20: 5.1.1 #21: 5.2.0 #23: 5.3.0 #24: 5.4.0 #26: 5.5.0	No	N	
03.69		Voice Broadcast service (VBS); Stage 2	R1996	5.5.1		Yes	N1	-	MÜNNING, Dirk	DETECON GMBH	AL -BAKRI, Ban	#16: 5.0.0 #18: 5.1.0 #20: 5.1.1 #21: 5.2.0 #23: 5.3.0 #24: 5.4.0 #26: 5.5.0	No	N	
03.70		Routing of Calls to/from Public Data Networks (PDN)	R1996	5.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#20: 5.0.0	No	N
03.78		CAMEL Phase 2; Stage 2	R1996	5.8.0		Yes	N2	-	LANTELME, Isabelle	ALCATEL France	HELLMAN, Monica	#21: 5.0.0 #22: 5.1.0 #23: 5.2.0 #24: 5.3.0 #25: 5.4.0 #26: 5.5.0 #27: 5.6.0 #28: 5.7.0 #29: 5.8.0	No	N	
03.79		Support of Optimal Routing phase 1; Stage 2	R1996	5.5.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	#21: 5.0.0 #22: 5.1.0 #24: 5.2.0 #25: 5.3.0 #27: 5.4.0 TSG#5: 5.5.0	No	N	
03.81		Line Identification Supplementary Services; Stage 2	R1996	5.2.0		Yes	N4	-	...		SETTIMO, Franco	#20: 5.0.0 #24: 5.1.0 #26: 5.2.0	No	N	
03.82		Call Forwarding (CF) Supplementary Services; Stage 2	R1996	5.0.0		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco	#20: 5.0.0	No	N	
03.83		Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2	R1996	5.0.0		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco	#20: 5.0.0	No	N	
03.84		Multi Party (MPTY) Supplementary Services; Stage 2	R1996	5.0.0		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco	#20: 5.0.0	No	N	

03.85	Closed user Group (CUG) Supplementary Services; Stage 2	R1996	5.0.0		Yes	N4	-	...		SETTIMO, Franco		#20: 5.0.0	No	N
03.86	Advice of Charge (AoC) Supplementary Services; Stage 2	R1996	5.0.1		Yes	N4	-	...		SETTIMO, Franco		#20: 5.0.0	No	N
03.88	Call Barring (CB) supplementary services - Stage 2	R1996	5.0.0		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#20: 5.0.0	No	N
03.90	Unstructured Supplementary Service Data (USSD)	R1996	5.0.0		Yes	N4	-	CHOTAI, Sunil	BT	SETTIMO, Franco		#20: 5.0.0	No	N
03.91	Explicit Call Transfer (ECT) Supplementary Service; Stage 2	R1996	5.0.2		Yes	N4	-	DZUBAN, Stanislav	SIEMENS AG	SETTIMO, Franco		#16: 5.0.0 #18: 5.0.1 #19: 5.0.2	No	N
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	R1996	5.0.0		Yes	N1	-	AVELINE, Sophie	France Telecom R&D	AL -BAKRI, Ban		#20: 5.0.0	No	N
04.02	GSM Public Land Mobile Network (PLMN) Access Reference Configuration	R1996	5.0.0		Yes	N1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	AL -BAKRI, Ban		#18: 5.0.0	No	N
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	R1996	5.3.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert		#18: 5.0.0 #21: 5.1.0 #22: 5.2.0 #24: 5.3.0	No	N
04.04	Layer 1 - General Requirements	R1996	5.1.0		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert		#20: 5.0.0 #24: 5.1.0	No	N
04.05	Data Link (DL) Layer General Aspects	R1996	5.0.1		Yes	G2	-	...		THOMASEN, Gert		#20: 5.0.0	No	N
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	R1996	5.4.1		No	G2	-	...		THOMASEN, Gert		#20: 5.0.0 #21: 5.1.0 #25: 5.2.0 #29: 5.3.0 #31: 5.4.0	No	N
04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	R1996	5.3.0		Yes	N1	-	...		AL -BAKRI, Ban		#16: 5.0.0 #17: 5.1.0 #20: 5.1.1 #21: 5.2.0 #24: 5.3.0	No	N
04.08	Mobile Radio Interface - Layer 3 Specification	R1996	5.g.0		No	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)	. GERAN#1:5.g.0	No	N
04.10	Mobile Radio Interface Layer 3 - Supplementary	R1996	5.0.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS	SETTIMO, Franco		#20: 5.0.0	No	N

										(EUROPE)					
		Services Specification - General Aspects													
04.11		Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	R1996	5.2.1		Yes	N1	-	NOBUYUKI, Uda	NTT Communications Ware Corporation	AL -BAKRI, Ban		#16: 5.0.0 #17: 5.1.0 #20: 5.1.1 #21: 5.2.0	No	N
04.12		Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	R1996	5.0.2		Yes	G2	T2	PUDNEY, Chris	VODAFONE Group Plc	THOMASEN, Gert		#19: 5.0.0 #20: 5.0.1	No	N
04.13		Performance Requirements on Mobile Radio Interface	R1996	5.1.1		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#18: 5.0.0 #20: 5.1.0	No	N
04.14		Individual equipment type requirements and interworking; Special conformance testing functions	R1996	5.1.0		Yes	G2	-	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert		#26: 5.0.0 #27: 5.1.0	No	N
04.21		Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	R1996	5.7.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#20: 5.0.0 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0 #25: 5.5.0 #27: 5.6.0 TSG#8:5.7.0	No	N
04.22		Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	R1996	5.6.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#16: 5.0.0 #20: 5.0.1 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #25: 5.4.0 #27: 5.5.0 tsg#6: 5.6.0	No	N
04.63		Packet Data on Signalling channels Service (PDS) Service Description, Stage 3	R1996	5.0.0		Yes	N1	-	JACOBSON, Dieter	Deutsche Telekom MobilNet GmbH	AL -BAKRI, Ban		#18: 5.0.0	No	N
04.67		Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3	R1996	5.0.1		Yes	N4	-	MÜNNING, Dirk	DETECON GMBH	SETTIMO, Franco		#20: 5.0.0	No	N
04.68		Group Call Control (GCC) Protocol	R1996	5.5.0		Yes	N1	-	...		AL -BAKRI, Ban		#18: 5.0.0 #20: 5.0.1 #27: 5.1.0 #28: 5.2.0 #29: 5.3.0 #30: 5.4.0 TSG#7: 5.5.0	No	N
04.69		Broadcast Call Control (BCC) protocol	R1996	5.5.0		Yes	N1	-	...		AL -BAKRI, Ban		#20: 5.0.0 #27: 5.1.0 #28: 5.2.0 #29: 5.3.0 #30: 5.4.0 TSG#7: 5.5.0	No	N
04.80		Mobile Radio Interface Layer 3 - Supplementary Services Specification	R1996	5.3.1		Yes	N4	-	...		SETTIMO, Franco		#18: 5.0.0 #20: 5.0.1 #24: 5.1.0 #25: 5.2.0 #28:	No	N

	Formats and Coding											5.3.0		
04.81	Line Identification Supplementary Services - Stage 3	R1996	5.0.1		Yes	N4	-	...		SETTIMO, Franco		#20: 5.0.0	No	N
04.82	Call Forwarding (CF) Supplementary Services - Stage 3	R1996	5.0.1		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		#20: 5.0.0	No	N
04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 3	R1996	5.0.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#20: 5.0.0	No	N
04.84	Multi Party (MPTY) Supplementary Services - Stage 3	R1996	5.0.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#20: 5.0.0	No	N
04.85	Closed User Group (CUG) Supplementary Services - Stage 3	R1996	5.0.0		Yes	N4	-	...		SETTIMO, Franco		#20: 5.0.0	No	N
04.86	Advice of Charge (AoC) Supplementary Services - Stage 3	R1996	5.0.1		Yes	N4	-	...		SETTIMO, Franco		#20: 5.0.0	No	N
04.88	Call Barring (CB) Supplementary Services - Stage 3	R1996	5.1.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#20: 5.0.0 #24: 5.1.0	No	N
04.90	Unstructured Supplementary Service Data (USSD)	R1996	5.0.1		Yes	N4	-	...		SETTIMO, Franco		#20: 5.0.0	No	N
04.91	Explicit Call Transfer (ECT) Supplementary Service - Stage 3	R1996	5.1.2		Yes	N4	-	DZUBAN, Stanislav	SIEMENS AG	SETTIMO, Franco		#16: 5.0.0 #17: 5.1.0	No	N
05.01	Physical Layer on the Radio Path (General Description)	R1996	5.4.0		Yes	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		#18: 5.0.0 #20: 5.1.0 #21: 5.2.0 #22: 5.3.0 #25: 5.4.0	No	N
05.02	Multiplexing and Multiple Access on the Radio Path	R1996	5.9.1		No	GP	-	...		USAI, Paolino		#18: 5.0.0 #19: 5.1.0 #20: 5.2.0 #21: 5.3.0 #22: 5.4.0 #23: 5.5.0 #25: 5.6.0 #26: 5.7.0 #28 5.8.0 GERAN#1:5.9.1	No	N
05.03	Channel Coding	R1996	5.6.1		No	GP	-	...		USAI, Paolino		#17: 5.0.0 #18: 5.1.0 #19: 5.2.0 #20: 5.2.1 #21: 5.3.0 #23: 5.4.0 #25: 5.5.0 GERAN#1:5.6.1	No	N
05.04	Modulation	R1996	5.1.1		Yes	GP	-	REINER, Michaël	AEG Mobile Communications GmbH (AMC)	USAI, Paolino		#20: 5.0.0 #30: 5.1.0	No	N
05.05	Radio Transmission and	R1996	5.d.0		No	GP	-	CHARLES, Jean	France Telecom	USAI, Paolino		#17: 5.0.0 #18:	No	N

	Reception							Pierre	R&D			5.1.0 #19: 5.2.0 #20: 5.3.0 #21: 5.4.0 #22: 5.5.0 #23: 5.6.0 #24: 5.7.0 #25: 5.8.0 #26: 5.9.0 #27: 5.10.0 #29: 5.11.0 #30:5.12.0 GERAN#1:5.d.0		
05.08	Radio Subsystem Link Control	R1996	5.a.1		No	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		#18: 5.0.0 #19: 5.1.0 #20: 5.2.0 #21: 5.3.0 #22: 5.4.0 #23: 5.5.0 #24: 5.6.0 #25: 5.7.0 #26: 5.8.0 #27: 5.9.0 GERAN#1:5.a.1	No	N
05.10	Radio Subsystem Synchronization	R1996	5.3.0		No	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino		#18: 5.0.0 #20: 5.1.0 #23: 5.2.0 GERAN#1:5.3.0	No	N
05.22	Radio link management in hierarchical networks	R1996	5.0.0		Yes	GP	-	...		USAI, Paolino		#20: 5.0.0	No	N
05.50	Background for RF Requirements	R1996	5.1.1		Yes	GP	-	...		USAI, Paolino		#20: 5.0.0 #21: 5.1.0 #23: 5.1.1	No	N
06.01	Full Rate Speech Processing Functions	R1996	5.1.1		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#20: 5.0.0 #23: 5.1.0	No	N
06.02	Half Rate Speech Processing Functions	R1996	5.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#20: 5.0.0	No	N
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	R1996	5.1.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#20: 5.0.0 #22: 5.1.0 #23: 5.1.1	No	N
06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	R1996	5.2.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#20: 5.0.0 #22: 5.1.0 #23: 5.2.0	No	N
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	R1996	5.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		#20: 5.0.0	No	N
06.10	Full Rate Speech Transcoding	R1996	5.2.0		Yes	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino		#20: 5.0.0 #23: 5.1.0 #32:5.2.0	No	N
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	R1996	5.0.1		Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		#20: 5.0.0 #23: 5.0.1	No	N

06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	R1996	5.0.1		Yes	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino		#20: 5.0.0	No	N
06.20	Half Rate Speech Transcoding	R1996	5.1.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#20: 5.0.0 #22: 5.1.0	No	N
06.21	Substitution and Muting of Lost Frames for Half Rate Traffic Speech Traffic Channels	R1996	5.0.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#20: 5.0.0	No	N
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	R1996	5.1.0		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#20: 5.0.0 #22: 5.1.0	No	N
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	R1996	5.0.1		Yes	S4	-	...		USAI, Paolino		#20: 5.0.0 #23: 5.0.1	No	N
06.32	Voice Activity Detection (VAD)	R1996	5.0.3		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		#20: 5.0.0 #23: 5.0.2	No	N
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	R1996	5.1.1		Yes	S4	-	...		USAI, Paolino		#20: 5.0.0 #22: 5.0.1 #23: 5.1.0	No	N
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	R1996	5.0.1		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		#20: 5.0.0 #22: 5.0.1	No	N
06.51	GSM Enhanced full rate speech processing functions: General description	R1996	5.2.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #32:5.2.0	No	N
06.53	ANSI-C code for the GSM Enhanced full rate speech codec	R1996	5.1.3		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #23: 5.1.3	No	N
06.54	Test sequences for the GSM Enhanced Full Rate (EFR)	R1996	5.2.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#20: 5.0.0 #22: 5.1.0 #32:5.2.0	No	N
06.55	Performance characterisation of the GSM EFR Speech Codec	R1996	5.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		#19: 5.0.0	No	N
06.60	Enhanced full rate speech transcoding	R1996	5.2.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#17: 5.0.0 #19:5.1.0 #20: 5.1.1 #23: 5.1.3 #25: 5.2.0	No	N
06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels	R1996	5.1.2		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#17: 5.0.0 #19: 5.1.0 #20: 5.1.1	No	N
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	R1996	5.1.3		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#17: 5.0.0 #19: 5.1.0 #20: 5.1.1 #23: 5.1.3	No	N
06.81	Discontinuous Transmission	R1996	5.2.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA	USAI, Paolino		#17: 5.0.0 #19:	No	N

		(DTX) for enhanced full rate speech traffic channels							Corporation			5.1.0 #20: 5.1.1 #22: 5.1.2 #30: 5.2.0		
06.82		Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	R1996	5.0.3		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino	#17: 5.0.0 #20: 5.0.2 #22: 5.0.3	No	N
06.85		Subjective tests on the interoperability of the HR/FR/EFR speech codecs; single, tandem and tandem free operation	R1996	5.0.0		Yes	S4	-	...		USAI, Paolino	#26: 5.0.0	No	N
07.01		General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	R1996	5.9.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David	#16: 5.0.0 #17: 5.0.1 #18: 5.1.0 #19: 5.2.0 #20: 5.3.0 #21: 5.4.0 #22: 5.5.0 #23: 5.6.0 #24: 5.7.0 #25: 5.8.0 #28: 5.9.0	No	N
07.02		Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	R1996	5.5.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David	#16: 5.0.0 #18: 5.1.0 #20: 5.1.1 #21: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0	No	N
07.03		Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	R1996	5.4.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David	#18: 5.0.0 #20: 5.0.1 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0	No	N
07.05		Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)	R1996	5.5.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm	#19: 5.0.0 #20: 5.1.0 #21: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0	No	N
07.07		Digital cellular telecommunications System (Phase 2) AT Command set for GSM Mobile Equipment (ME)	R1996	5.9.1		Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm	#19: 5.0.0 #20: 5.1.0 #21: 5.2.0 #22: 5.3.0 #23: 5.4.0 #24: 5.5.0 #25: 5.6.0 #26: 5.7.0 #27: 5.8.0 #29: 5.9.0	No	N
07.08		GSM Application Programming Interface	R1996	5.2.1		Yes	T2	-	...		RODERMUND, Friedhelm	#20: 5.0.0 #21: 5.1.0 #24: 5.2.0	No	N
07.60		General Packet Radio Service (GPRS); Mobile Station (MS) supporting GPRS	R1996	5.1.0		Yes	N3	-	HEATON, Graham	RTS Wireless Inc.	BOSWARTHICK, David	#24: 5.1.0	No	N
08.01		General Aspects on the	R1996	5.0.0		Yes	G2	-	DAVIES, Rob	Philips Research	THOMASEN, Gert	#20: 5.0.0	No	N

		BSS-MSC Interface								Laboratories					
08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	R1996	5.1.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#20: 5.0.0 #21: 5.1.0	No	N	
08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	R1996	5.0.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#20: 5.0.0	No	N	
08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	R1996	5.3.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#17: 5.0.0 #18: 5.1.0 #25: 5.2.0 #28: 5.3.0	No	N	
08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	R1996	5.c.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N	
08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	R1996	5.3.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#20: 5.0.0 #21: 5.1.0 #22: 5.2.0 #24: 5.3.0	No	N	
08.51	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	R1996	5.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#20: 5.0.0	No	N	
08.52	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	R1996	5.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#20: 5.0.0	No	N	
08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	R1996	5.0.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#16: 5.0.0	No	N	
08.56	BSC-BTS Layer 2 Specification	R1996	5.0.0		Yes	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert		#20: 5.0.0	No	N	
08.58	Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	R1996	5.a.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#16: 5.0.0 #17: 5.1.0 #19: 5.2.0 #21: 5.3.0 #22: 5.4.0 #23: 5.5.0 #24: 5.6.0 #25: 5.7.0 #26: 5.8.0 #29: 5.9.0 #30: 5.10.0	No	N	
08.60	Inband Control of Remote	R1996	5.1.1		Yes	GP	-	...		USAI, Paolino		#17: 5.0.0 #19:	No	N	

		Transcoders and Rate Adaptors forEFR/FR										5.0.1 #20: 5.0.2 #22: 5.1.0			
08.61		Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	R1996	5.0.1		Yes	GP	NP	JACOB, Petra	SIEMENS AG	USAI, Paolino	#20: 5.0.0	No	N	
09.01		General Network Interworking Scenarios	R1996	5.0.0		Yes	N4	-	...		SETTIMO, Franco	#20: 5.0.0	No	N	
09.02		Mobile Application Part (MAP) Specification	R1996	5.f.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	CN->N4 Apr00 (JMM)	#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #22: 5.6.0 #23: 5.7.0 #24: 5.8.0 #25: 5.9.0 #26: 5.10.0 #27: 5.11.0 #28: 5.12.0 #29: 5.13.0 TSG#5: 5.14.0 TSG#8:5.15.0	No	N
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)	R1996	5.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#20: 5.0.0	No	N
09.04		Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	R1996	5.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#20: 5.0.0	No	N
09.05		Interworking between the PLMN and the PSPDN for PAD Access	R1996	5.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#20: 5.0.0	No	N
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	R1996	5.0.2		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David	N3: "no R99 needed".	#19: 5.0.0 #20: 5.0.1	No	N
09.07		General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network	R1996	5.a.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David	#16: 5.0.0 #17: 5.0.1 #18: 5.1.0 #19: 5.2.0 #20: 5.2.1 #21: 5.3.0 #22: 5.4.0 #23:	No	N	

	(ISDN) or Public Switched Telephone Network (PSTN)											5.5.0 #24: 5.6.0 #25: 5.7.0 #27: 5.8.0 #28: 5.9.0 N#6: 5.10.0		
09.08	Application of the Base Station System Application Part (BSSAP) on the E-Interface	R1996	5.1.0		Yes	N1	-	JORGENSEN, Per Johan	ERICSSON L.M. Telefonaktiebolaget	AL -BAKRI, Ban		#20: 5.0.0 #21: 5.1.0	No	N
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)	R1996	5.2.0		Yes	N4	-	...		SETTIMO, Franco		#17: 5.0.0 #18: 5.1.0 #23: 5.2.0	No	N
09.11	Signalling Interworking for Supplementary Services	R1996	5.1.0		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#18: 5.0.0 #19: 5.1.0	No	N
09.78	CAMEL Application Part phase 2 (stage 3)	R1996	5.7.0		Yes	N2	-	NOLDUS, Rogier	ERICSSON L.M. Telefonaktiebolaget	HELLMAN, Monica		#21: 5.0.0 #22: 5.1.0 #23: 5.2.0 #24: 5.3.0 #25: 5.4.0 #26: 5.5.0 #28: 5.6.0 #29: 5.7.0	No	N
09.90	Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)	R1996	5.1.0		No	N1	-	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban		#17: 5.0.0 #22: 5.1.0	No	N
10.00	Digital Cellular Telecommunication System Feature Description	R1996	5.2.1		Yes	S2	-	BERGMANN, Ansgar	ETSI Secretariat	SULTAN, Alain		#19: 5.0.0 & 5.1.0 #20: 5.2.0 Jun00: version we have is actually 5.1.2 !	No	N
10.14	System Overview for 14.4 kbit/s Work Item	R1996	5.0.0		No	S2	-	...		SULTAN, Alain	still alive?	#22: 5.0.0	No	N
10.68	Introduction to the services: enhanced Multi-Level Precedence and Pre-emption (eMLPP), Voice Group Call Service (VGCS), Voice Broadcast Service (VBS)	R1996	5.0.0		No	S2	-	VAN DER AREND, Peter	KPN - Koninklijke PTT Nederland NV	SULTAN, Alain		#21: 5.0.0	No	N
11.10-1	Mobile station (MS) conformance specification; Part1: Conformance specification	R1996	5.b.1		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia	R99 version now serves all releases. Earlier releases frozen.	#18: 5.0.0 #21: 5.1.0 #22: 5.2.0 #23: 5.3.0 #24: 5.4.0 #25: 5.5.0 #26: 5.6.0 #27:	No	N

													5.7.0 #28: 5.8.0 #29: 5.9.0 #30: 5.10.0 #31:5.11.0 #31bis: closed (R99 version serves all releases)		
11.10-3	Layer3 (L3) Abstract Test Suite (ATS)	R1996	5.0.1		Yes	G4	S1 / GP / NP / T2 / SCP	...		SALMERON, Lidia			#30: 5.0.0 #32:closed	No	N
11.10-4	SIM Application Toolkit conformance specification	R1996	5.1.1		Yes	G4	-	SALMERON, Lidia	ETSI Secretariat	SALMERON, Lidia			#30:5.0.0 #31:5.1.0	No	N
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	R1996	5.a.1		Yes	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael			#16: 5.0.0 #17: 5.1.0 #18: 5.2.0 #19: 5.3.0 #20: 5.4.0 #21: 5.5.0 #23: 5.7.0 #24: 5.8.0 #25: 5.9.0 #26: 5.10.0	No	N
11.14	Specification of Subscriber Identity Module - Mobile Equipment (SIM - ME) Interface for SIM Application Toolkit	R1996	5.9.0		Yes	T3	-	WOODSEND, Kristian	ASPECTS Software Ltd	SANDERS, Michael			#18: 5.0.0 #19: 5.1.0 #20: 5.2.0 #21: 5.3.0 #22: 5.4.0 #23 5.5.0 #24: 5.6.0 #25: 5.7.0 #26: 5.8.0 #27: 5.9.0 frozen	No	N
11.21	GSM Radio Aspects Base Station System Equipment Specification	R1996	5.4.1		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm			#23: 5.1.0 #25: 5.2.0 #26: 5.3.0 #27: 5.4.0	No	N
11.26	GSM Repeater Equipment Specification	R1996	5.2.1		No	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm			.	No	N
12.02	Subscriber, Mobile Equipment (ME) and Services Data Administration	R1996	5.0.1		Yes	S5	S1	...		ZOICAS, Adrian			#22: 5.0.0	No	N
12.05	Subscriber Related Call and Event Data	R1996	5.0.1		Yes	S5	S1	SJÖBLOM, Kai	NOKIA Corporation	ZOICAS, Adrian			#23: 5.0.0	No	N
12.08	Subscriber and Equipment trace	R1996	5.1.1		Yes	S5	NP	SJÖBLOM, Kai	NOKIA Corporation	ZOICAS, Adrian			#23: 5.0.0 #25: 5.1.0	No	N
12.21	Network Management (NM) Procedures and Messages on the A-bis Interface	R1996	5.0.0		Yes	S5	GP	YUHAN, Albert	VoiceStream Wireless Corporation	ZOICAS, Adrian			#21: 5.0.0	No	N

13.34	Attachment requirements for Global System for Mobile communications (GSM); High Speed Circuit Switched Data (HSCSD) Multislot Mobile Stations; Access	R1996	5.1.0		Yes	MSG	G4	...		VAN DER VEEN, Hans	Harmonised EN 301 419-2	#26: 5.0.0 #30: 5.1.0	No	N
13.67	Attachment requirements for Global System for Mobile communications (GSM); Railways Band (R-GSM); Mobile Stations; Access	R1996	5.1.1		Yes	MSG	G4	...		VAN DER VEEN, Hans	Harmonised EN 301 419-7	#27: 5.0.0 #31:5.1.0	No	N
13.68	Attachment requirements for Global System for Mobile communications (GSM); Advanced Speech Call Items (GSM-ASCI) Mobile Stations; Access	R1996	5.0.2		Yes	MSG	G4	...		VAN DER VEEN, Hans	Harmonised EN 301 419-3	#27: 5.0.0	No	N
01.02	General Description of a GSM Public Land Mobile Network (PLMN)	Ph2	4.0.2		Yes	S1	GP / NP	JORGENSEN, Niels H.	TELE DANMARK A/S	CLAYTON, Michael		#7: 4.0.1 #8: 4.0.2	No	N
01.04	Abbreviations and Acronyms	Ph2	4.1.2		Yes	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino		#8: 4.0.1 #9: 4.0.3 #10: 4.0.4 #11: 4.1.0 #12: 4.1.1 #14: 4.1.2	No	N
02.01	Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	Ph2	4.6.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael		#7: 4.2.1 #8: 4.3.0 #10: 4.4.0 #11: 4.4.1 #12: 4.5.0 #15: 4.6.0	No	N
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	Ph2	4.2.2		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael		#7: 4.1.1 #8: 4.2.0	No	N
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	Ph2	4.3.1		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#7: 4.2.2 #11: 4.3.0	No	N
02.04	General on Supplementary Services	Ph2	4.9.1		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael		#7: 4.5.1 #8: 4.6.0 #10: 4.7.0 #12: 4.8.0 #15: 4.9.0 #16: 4.9.1	No	N
02.06	Types of Mobile Stations (MS)	Ph2	4.5.2		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#7: 4.1.1 #8: 4.2.0 #14: 4.3.0 #16: 4.4.0 #22: 4.5.0	No	N

02.07	Mobile Station (MS) Features	Ph2	4.8.2		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#7: 4.4.1 #8: 4.4.2 #10: 4.5.0 #11: 4.6.0 #15: 4.7.0 #22: 4.8.0	No	N
02.09	Security Aspects	Ph2	4.5.0		Yes	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#7: 4.2.1 #12: 4.3.0 #22: 4.4.0 edito:4.4.1 #31:4.5.0	No	N
02.11	Service Accessibility	Ph2	4.9.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#7: 4.5.1 #10: 4.6.0 #16: 4.8.0 #17: 4.9.0	No	N
02.16	International Mobile Station Equipment Identities (IMEI)	Ph2	4.7.0		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#7: 4.3.1 #12: 4.4.0 #13: 4.5.0 #30: 4.6.0 TSG#8:4.7.0	No	N
02.17	Subscriber Identity Modules, Functional Characteristics	Ph2	4.3.3		Yes	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael		#7: 4.2.0 #8: 4.3.1	No	N
02.24	Description of Charge Advice Information (CAI)	Ph2	4.5.0		Yes	S1		DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael		#7: 4.1.1 #8: 4.2.0 #9: 4.2.1 #10: 4.3.0 #11: 4.4.0 #15: 4.5.0	No	Ye
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	Ph2	4.d.0		Yes	S1		JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		#7: 4.9.1 #8: 4.10.0 #10: 4.11.0 #12: 4.12.0 #13: 4.13.0	No	N
02.40	Procedures for Call Progress Indications	Ph2	4.5.0		Yes	S1	NP	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	R99 -> 22.101	#7: 4.2.1 #9: 4.3.0 #10: 4.4.0 #14: 4.5.0	No	N
02.41	Operator Determined Barring	Ph2	4.5.2		Yes	S1		...		CLAYTON, Michael		#7: 4.4.1 #8: 4.5.0	No	N
02.81	Line Identification Supplementary Services - Stage 1	Ph2	4.6.1		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#7: 4.3.1 #10: 4.4.0 #11: 4.4.1 #12: 4.5.0 #16: 4.5.1 #24: 4.6.0	No	N
02.82	Call Forwarding (CF) Supplementary Services - Stage 1	Ph2	4.5.2		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#7: 4.4.2 #10: 4.5.0 #16: 4.5.2	No	N
02.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 1	Ph2	4.6.7		Yes	S1	-	...		CLAYTON, Michael		#7: 4.6.3 #10: 4.6.5 #16: 4.6.7	No	N
02.84	MultiParty (MPTY) Supplementary Services - Stage 1	Ph2	4.4.7		Yes	S1	-	POSTMANN, Erwin	SIEMENS AG	CLAYTON, Michael		#7: 4.4.2 #11: 4.4.5 #16: 4.4.7	No	N

02.85	Closed User Group (CUG) Supplementary Services - Stage 1	Ph2	4.2.6		Yes	S1	-	BLOMSTRAND, Ola	TELIA AB	CLAYTON, Michael		#7: 4.2.2 #16: 4.2.6	No	N
02.86	Advice of Charge (AoC) Supplementary Services - Stage 1	Ph2	4.1.5		Yes	S1	-	CRAWFORD, Ian	VODAFONE Group Plc	CLAYTON, Michael		#7: 4.1.1 #16: 4.1.5	No	N
02.88	Call Barring (CB) Supplementary Services - Stage 1	Ph2	4.4.3		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael		#7: 4.3.0 #8: 4.4.0 #16: 4.4.3	No	N
02.90	Stage 1 Decision of Unstructured Supplementary Service Data (USSD)	Ph2	4.1.1		Yes	S1	-	SLOTTE, Sverre	NOKIA Corporation	CLAYTON, Michael		#8: 4.0.1 #21: 4.1.0	No	N
03.01	Network Functions	Ph2	4.0.4		Yes	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7	#7: 4.0.1	No	N
03.02	Network Architecture	Ph2	4.2.1		Yes	S2	NP / T2	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain		#7: 4.0.1 #17: 4.1.0 #18: 4.2.1	No	N
03.03	Numbering, Addressing and Identification	Ph2	4.b.0		Yes	N4	T2	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#7: 4.5.0 #8: 4.6.0 #9: 4.8.0 #12: 4.9.0 TSG#7: 4.10.0 TSG#8:4.11.0	No	N
03.04	Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	Ph2	4.0.4		Yes	N4	SPAN / T2	...		SETTIMO, Franco		#7: 4.0.1	No	N
03.05	Technical performance objectives	Ph2	4.1.0		Yes	NP	-	...		BOSWARTHICK, David		#7: 4.0.0 #19:4.1.0	No	N
03.07	Restoration Procedures	Ph2	4.3.1		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		#7: 4.2.0 #10: 4.3.0	No	N
03.08	Organization of Subscriber Data	Ph2	4.8.0		Yes	N4	-	BAUER, Rolf	ALCATEL SEL AG	SETTIMO, Franco		#7: 4.5.0 #8: 4.5.1 #9: 4.6.0 #10: 4.7.0 #18: 4.8.0	No	N
03.09	Handover Procedures	Ph2	4.6.0		Yes	N1	-	FARHOUMAND, Rouzbeh	Ericsson Incorporated	AL -BAKRI, Ban		#7: 4.1.0 #8: 4.2.0 #9: 4.2.1 #10: 4.3.0 #11: 4.4.0 #12: 4.5.0 #17: 4.6.0	No	N
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	Ph2	4.3.1		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		#7: 4.2.1 #8: 4.3.0	No	N
03.11	Technical Realization of Supplementary Services - General Aspects	Ph2	4.a.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#7: 4.4.0 #9: 4.5.0 #10: 4.6.0 #11: 4.7.0 #12: 4.8.0 #14: 4.9.0 #18:	No	N

													4.10.1		
03.12	Location Registration Procedures	Ph2	4.4.2		Yes	N4	-	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco			#7: 4.3.0 #8: 4.4.0	No	N
03.13	Discontinuous Reception (DRX) in the GSM System	Ph2	4.0.4		Yes	GP	-	...		USAI, Paolino			#7: 4.0.1	No	N
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	Ph2	4.1.1		Yes	N1	-	...		AL -BAKRI, Ban			#7: 4.0.0 #10: 4.1.0	No	N
03.15	Technical Realization of Operator Determined Barring	Ph2	4.3.1		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco			#7: 4.2.0 #10: 4.3.0	No	N
03.16	Subscriber Data Management	Ph2	4.2.1		Yes	N4	-	DETTNER, Harald	SIEMENS AG	SETTIMO, Franco			#14: 4.1.0 #16: 4.1.1 #18: 4.2.1	No	N
03.20	Security-related Network Functions	Ph2	4.4.1		Yes	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice			#7: 4.2.1 #10: 4.3.0 #17: .3.2 #21: 4.4.0	No	N
03.22	Functions Related to Mobile Station (MS) in Idle Mode	Ph2	4.b.0		Yes	G2	N1	HOWELL, Andrew	MOTOROLA Ltd	THOMASEN, Gert	Moved from SMG3 Jan 2000		#7: 4.4.0 #9: 4.5.0 #10: 4.6.0 #11: 4.7.0 #12: 4.8.0 #14: 4.9.0 #16: 4.10.0 #17: 4.11.0	No	N
03.26	Multiband operation of GSM/DCS 1800 by a single operator	Ph2	4.3.0		Yes	GP	NP	...		USAI, Paolino			#18: 4.1.0 #22: 4.2.0 #23: 4.3.0	No	N
03.30	Radio Network Planning Aspects	Ph2	4.3.0		Yes	GP	-	STEVENS, Peter John	One 2 one	USAI, Paolino			#7: 4.2.0 #9: 4.2.1 #13: 4.3.0	No	N
03.38	Alphabets and Language Specific Information for GSM	Ph2	4.0.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm			#10: 4.0.0	No	N
03.39	Digital Cellular Telecommunications System (Phase 2) Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	Ph2	4.0.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm			#16: 4.0.0	No	N
03.40	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	Ph2	4.d.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm			#7: 4.6.0 #8: 4.7.0 #10: 4.8.1 #11: 4.9.0 #15: 4.11.0 #16: 4.12.0 #18:	No	N

												4.13.0		
03.41	Technical Realization of Short Message Service Cell Broadcast (SMSCB)	Ph2	4.b.0		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#7: 4.4.1 #8: 4.5.0 #9: 4.6.0 #10: 4.7.0 #11: 4.8.0 #12: 4.9.0 #13: 4.10.0 #16: 4.11.0	No	N
03.43	Support of Videotex	Ph2	4.1.2		Yes	T2	-	DI TRIA, Paolo	CSELT - Centro Studi e Laboratori Telecomunicazioni	RODERMUND, Friedhelm		#7: 4.1.1	No	N
03.44	Support of Teletex in a GSM Public Land Mobile Network (PLMN)	Ph2	4.0.1		Yes	T2	-	...		RODERMUND, Friedhelm		#7: 4.0.0	No	N
03.45	Technical Realization of Facsimile Group 3 Service - transparent	Ph2	4.5.0		Yes	N3	-	...		BOSWARTHICK, David		#7: 4.2.1 #8: 4.3.0 #9: 4.3.1 #10: 4.4.0 #11: 4.4.1 #14: 4.5.0	No	N
03.46	Technical Realization of Facsimile Group 3 Service - non transparent	Ph2	4.1.2		Yes	N3	-	...		BOSWARTHICK, David		#7: 4.0.1 #8: 4.0.2 #11: 4.1.0	No	N
03.47	Example Protocol Stacks for Interconnecting Service Centre(s) (SC) and Mobile Services Switching Centre(s) (MSC)	Ph2	4.4.0		Yes	T2	-	...		RODERMUND, Friedhelm		#7: 4.1.0 #8: 4.2.0 #12: 4.2.1 #18: 4.4.0	No	N
03.49	Example Protocol Stacks for Interconnecting Cell Broadcast Centre (CBC) and Base Station Controller (BSC)	Ph2	4.6.0		Yes	T2	-	MEREDITH, Andrew	MOTOROLA Ltd	RODERMUND, Friedhelm		#7: 4.1.0 #8: 4.2.0 #11: 4.3.0 #12: 4.4.0 #13: 4.5.0 #16: 4.6.0	No	N
03.50	Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	Ph2	4.6.1		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#8: 4.0.0 #9: 4.1.0 #15: 4.2.0 #24: 4.3.0 #25: 4.4.0 #27: 4.5.0 #28: 4.6.0	No	N
03.70	Routing of Calls to/from Public Data Networks (PDN)	Ph2	4.0.3		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#7: 4.0.0 #8: 4.0.1	No	N
03.81	Line Identification Supplementary Services; Stage 2	Ph2	4.8.1		Yes	N4	-	...		SETTIMO, Franco		#7: 4.1.0 #9: 4.2.0 #10: 4.3.0 #11: 4.4.0 #12: 4.5.0 #19: 4.6.0 #24: 4.7.0 #26: 4.8.0	No	N
03.82	Call Forwarding (CF) Supplementary Services; Stage 2	Ph2	4.8.1		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		#7: 4.5.0 #8: 4.5.1 #10: 4.6.0 #12: 4.7.0 #18:	No	N

												4.8.0		
03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 2	Ph2	4.4.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#7: 4.3.0 #11: 4.3.2 #12: 4.4.0	No	N
03.84	Multi Party (MPHY) Supplementary Services; Stage 2	Ph2	4.4.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#7: 4.1.0 #9: 4.2.0 #10: 4.3.0 #12: 4.4.0	No	N
03.85	Closed user Group (CUG) Supplementary Services; Stage 2	Ph2	4.2.1		Yes	N4	-	...		SETTIMO, Franco		#7: 4.0.0 #8: 4.1.0 #13: 4.2.0	No	N
03.86	Advice of Charge (AoC) Supplementary Services; Stage 2	Ph2	4.6.1		Yes	N4	-	...		SETTIMO, Franco		#7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #10: 4.4.0 #11: 4.5.0 #12: 4.6.0	No	N
03.88	Call Barring (CB) supplementary services - Stage 2	Ph2	4.6.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#7: 4.4.0 #10: 4.5.0 #12: 4.6.0	No	N
03.90	Unstructured Supplementary Service Data (USSD)	Ph2	4.1.1		Yes	N4	-	CHOTAI, Sunil	BT	SETTIMO, Franco		#8: 4.0.0 #15: 4.1.0	No	N
04.01	Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	Ph2	4.0.4		Yes	N1	-	AVELINE, Sophie	France Telecom R&D	AL -BAKRI, Ban		#7: 4.0.1	No	N
04.02	GSM Public Land Mobile Network (PLMN) Access Reference Configuration	Ph2	4.0.4		Yes	N1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	AL -BAKRI, Ban		#7: 4.0.1	No	N
04.03	Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	Ph2	4.1.1		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert		#7: 4.0.1 #10: 4.1.0	No	N
04.04	Layer 1 - General Requirements	Ph2	4.0.4		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert		#7: 4.0.1	No	N
04.05	Data Link (DL) Layer General Aspects	Ph2	4.0.3		Yes	G2	-	...		THOMASEN, Gert		#7: 4.0.0	No	N
04.06	Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	Ph2	4.4.0		Yes	G2	-	...		THOMASEN, Gert		#7: 4.2.0 #8: 4.3.0 #11: 4.4.0	No	N
04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	Ph2	4.3.1		Yes	N1	-	...		AL -BAKRI, Ban		#7: 4.1.1 #10: 4.2.0 #12: 4.3.0	No	N
04.08	Mobile Radio Interface - Layer 3 Specification	Ph2	4.n.1		Yes	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008.	#7: 4.5.0 #8: 4.6.0 #9: 4.7.0 #10: 4.8.0 #11:	No	N

											Secondary MCC: Gert Thomasen (even numbered CRs!)	4.9.0 #12: 4.10.0 #14: 4.11.0 #15: 4.12.0 #16: 4.13.0 #17: 4.14.0 #18: 4.15.0 #19:4.16.0 #20: 4.17.0 #21: 4.18.0 #23: 4.20.1 #24: 4.21.0 #25: 4.22.0 #28 4.23.0		
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	Ph2	4.a.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#7: 4.4.0 #8: 4.5.0 #9: 4.6.0 #10: 4.7.0 #11: 4.8.0 #13: 4.9.0 #17: 4.10.0	No	N
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	Ph2	4.a.1		Yes	N1	-	NOBUYUKI, Uda	NTT Communications Ware Corporation	AL -BAKRI, Ban		#7: 4.3.0 #8: 4.4.0 #10: 4.5.0 #11: 4.6.0 #12: 4.7.0 #14: 4.8.0 #16: 4.9.0 #17: 4.10.0 TSG#9:CR rejected	No	N
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	Ph2	4.6.0		Yes	G2	T2	PUDNEY, Chris	VODAFONE Group Plc	THOMASEN, Gert		#7: 4.1.1 #10: 4.2.0 #11: 4.3.0 #12: 4.4.0 #16: 4.6.0	No	N
04.13	Performance Requirements on Mobile Radio Interface	Ph2	4.2.0		Yes	N1	-	MILLS, Duncan	VODAFONE Group Plc	AL -BAKRI, Ban		#10: 4.0.0 #14: 4.0.2 #15: 4.1.0 #16: 4.2.0	No	N
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	Ph2	4.6.1		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#7: 4.2.1 #8: 4.3.0 #11: 4.4.0 #13: 4.5.0 #14: 4.6.0 Mar00: 4.6.1 = published version of ETS replacing OAP version	No	N
04.22	Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	Ph2	4.5.1		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#7: 4.2.2 #8: 4.3.0 #13: 4.4.0 #25: 4.5.0	No	N
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification	Ph2	4.b.1		Yes	N4	-	...		SETTIMO, Franco		#7: 4.7.0 #8: 4.7.1 #9: 4.9.0 #12: 4.9.1 #16:	No	N

		Formats and Coding										4.10.0 #17: 4.11.0		
04.81	Line Identification Supplementary Services - Stage 3	Ph2	4.4.1		Yes	N4	-	...		SETTIMO, Franco		#7: 4.2.0 #10: 4.3.0 #12: 4.4.0	No	N
04.82	Call Forwarding (CF) Supplementary Services - Stage 3	Ph2	4.9.1		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		#7: 4.6.0 #11: 4.7.0 #12: 4.8.0 #17: 4.9.0	No	N
04.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 3	Ph2	4.6.1		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		#7: 4.4.0 #9: 4.5.0 #17: 4.6.0	No	N
04.84	Multi Party (MPTY) Supplementary Services - Stage 3	Ph2	4.3.2		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		#7: 4.2.0 #9: 4.3.0	No	N
04.85	Closed User Group (CUG) Supplementary Services - Stage 3	Ph2	4.1.1		Yes	N4	-	...		SETTIMO, Franco		#7: 4.0.0 #18: 4.1.0	No	N
04.86	Advice of Charge (AoC) Supplementary Services - Stage 3	Ph2	4.5.2		Yes	N4	-	...		SETTIMO, Franco		#7: 4.2.0 #8: 4.4.0 #11: 4.5.0	No	N
04.88	Call Barring (CB) Supplementary Services - Stage 3	Ph2	4.7.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		#7: 4.6.0 #17: 4.7.0	No	N
04.90	Unstructured Supplementary Service Data (USSD)	Ph2	4.1.1		Yes	N4	-	...		SETTIMO, Franco		#8: 4.0.0 #12: 4.1.0	No	N
05.01	Physical Layer on the Radio Path (General Description)	Ph2	4.6.0		Yes	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		#7: 4.1.0 #8: 4.2.0 #10: 4.3.0 #13: 4.4.0 #14: 4.5.0 #16: 4.6.0	No	N
05.02	Multiplexing and Multiple Access on the Radio Path	Ph2	4.a.1		Yes	GP	-	...		USAI, Paolino		#7: 4.3.0 #9: 4.4.0 #15: 4.5.0 #16: 4.6.0 #17: 4.7.0 #20: 4.8.0 #22: 4.9.0 #28 4.10.0	No	N
05.03	Channel Coding	Ph2	4.5.1		Yes	GP	-	...		USAI, Paolino		#7: 4.1.0 #13: 4.2.0 #15: 4.3.0 #21: 4.4.0 #22: 4.5.0	No	N
05.04	Modulation	Ph2	4.0.3		Yes	GP	-	REINER, Michaël	AEG Mobile Communications GmbH (AMC)	USAI, Paolino		#7: 4.0.0	No	N
05.05	Radio Transmission and Reception	Ph2	4.n.1		Yes	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#7: 4.6.0 #8: 4.7.0 #9: 4.8.0 #10: 4.9.0 #13: 4.10.0 #14:	No	N

												4.11.0 #16: 4.13.0 #17: 4.14.0 #18: 4.15.0 #19: 4.16.0 #20: 4.17.0 #21: 4.18.0 #22: 4.19.0 #23: 4.20.0 #24: 4.21.0 #26: 4.22.0 #29: 4.23.0		
05.08	Radio Subsystem Link Control	Ph2	4.m.1		Yes	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		#7: 4.6.0 #8: 4.7.0 #9: 4.8.0 #10: 4.9.0 #11: 4.10.0 #12: 4.11.0 #13: 4.12.0 #14: 4.13.0 #15: 4.14.0 #16: 4.15.0 #17: 4.16.0 #18: 4.17.0 #19: 4.18.0 #19: 4.18.1 #21: 4.18.2 #22: 4.19.0 #23: 4.20.0 #24: 4.21.0 #27: 4.22.0	No	N
05.10	Radio Subsystem Synchronization	Ph2	4.9.0		Yes	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino		#7: 4.2.0 #8: 4.3.0 #9: 4.4.0 #13: 4.5.0 #14: 4.6.0 #16: 4.7.0 #17: 4.8.0 #18: 4.9.0	No	N
05.22	Radio link management in hierarchical networks	Ph2	4.0.0		Yes	GP	-	...		USAI, Paolino		#18: 4.0.0	No	N
05.50	Background for RF Requirements	Ph2	4.2.0		Yes	GP	-	...		USAI, Paolino		#8: 4.0.0 #13: 4.1.0 #17: 4.2.0	No	N
06.01	Full Rate Speech Processing Functions	Ph2	4.0.7		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#7: 4.0.2 #23: 4.0.6	No	N
06.02	Half Rate Speech Processing Functions	Ph2	4.0.2		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#13: 4.0.0	No	N
06.06	Half Rate Speech: ANSI-C Code for GSM Half Rate Speech Codec	Ph2	4.2.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#13: 4.0.0 #16: 4.0.2 #17: 4.1.0 #23: 4.2.0	No	N

06.07	Half Rate Speech: Test Sequence for GSM Half Rate Speech Codec	Ph2	4.2.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#13: 4.0.0 #20: 4.1.0 #22: 4.2.0	No	N
06.08	Half Rate Speech; Performance Characterization of the GSM Half Rate speech codec	Ph2	4.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		#16: 4.0.0	No	N
06.10	Full Rate Speech Transcoding	Ph2	4.2.0		Yes	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino		#7: 4.0.0 #23: 4.1.0 #32:4.2.0	No	N
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	Ph2	4.0.6		Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		#7: 4.0.1 #23: 4.0.5	No	N
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	Ph2	4.0.4		Yes	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino		#7: 4.0.1	No	N
06.20	Half Rate Speech Transcoding	Ph2	4.3.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#13: 4.0.0 #14: 4.1.0 #17: 4.3.0	No	N
06.21	Substitution and Muting of Lost Frames for Half Rate Traffic Speech Traffic Channels	Ph2	4.0.2		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#13: 4.0.0	No	N
06.22	Comfort Noise Aspects for Half Rate Speech Traffic Channels	Ph2	4.1.1		Yes	S4	-	AFTELAK, Steve	MOTOROLA Ltd	USAI, Paolino		#13: 4.0.0 #15: 4.1.0	No	N
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	Ph2	4.0.5		Yes	S4	-	...		USAI, Paolino		#7: 4.0.1 #23: 4.0.5	No	N
06.32	Voice Activity Detection (VAD)	Ph2	4.3.1		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		#7: 4.0.1 #9: 4.0.3 #13: 4.1.0 #17: 4.2.0 #20: 4.2.1 #23: 4.3.0	No	N
06.41	Discontinuous Transmission (DTX) for Half Rate Speech Traffic Channels	Ph2	4.0.2		Yes	S4	-	...		USAI, Paolino		#13: 4.0.0	No	N
06.42	Voice Activity Detection (VAD) for Half Rate Speech Traffic Channels	Ph2	4.1.1		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		#13: 4.0.0 #15: 4.1.0	No	N
06.51	GSM Enhanced full rate speech processing functions: General description	Ph2	4.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#22: 4.0.0 #32:4.1.0	No	N
06.53	ANSI-C code for the GSM Enhanced full rate speech codec	Ph2	4.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#23: 4.0.1	No	N
06.54	Test sequences for the GSM Enhanced Full Rate	Ph2	4.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#22: 4.0.0 #32:4.1.0	No	N

	(EFR)														
06.55	Performance characterisation of the GSM EFR Speech Codec	Ph2	4.0.0		Yes	S4	-	SALEM, Tarek	Deutsche Telekom MobilNet GmbH	USAI, Paolino		#22: 4.0.0	No	N	
06.60	Enhanced full rate speech transcoding	Ph2	4.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#23: 4.0.1 #25: 4.1.0	No	N	
06.61	Substitution and muting of lost frames for enhanced full rate speech traffic channels	Ph2	4.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#22: 4.0.0	No	N	
06.62	Comfort noise aspects for Enhanced Full Rate (EFR) speech traffic channels	Ph2	4.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#23: 4.0.1	No	N	
06.81	Discontinuous Transmission (DTX) for enhanced full rate speech traffic channels	Ph2	4.1.0		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#22: 4.0.0 #30: 4.1.0	No	N	
06.82	Voice Activity Detection (VAD) for enhanced full rate speech traffic channels	Ph2	4.0.1		Yes	S4	-	JÄRVINEN, Kari	NOKIA Corporation	USAI, Paolino		#22: 4.0.0	No	N	
07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	Ph2	4.a.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#7: 4.5.0 #8: 4.6.0 #9: 4.6.1 #10: 4.7.0 #13: 4.8.0 #15: 4.9.0 #16: 4.10.0	No	N	
07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	Ph2	4.5.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#7: 4.4.0 #9: 4.4.2 #11: 4.5.0	No	N	
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	Ph2	4.5.1		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#7: 4.4.0 #9: 4.5.0	No	N	
07.05	Use of Data Terminal Equipment - Data Circuit Terminating Equipment (DTE-DCE) Interface for Short Message Services (SMS) and Cell Broadcast Services (CBS)	Ph2	4.8.1		Yes	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#7: 4.2.1 #8: 4.3.0 #12: 4.4.0 #16: 4.5.0 #17: 4.6.0 #18: 4.7.0 #20: 4.8.0	No	N	
07.07	Digital cellular telecommunications System (Phase 2) AT Command set for GSM Mobile Equipment (ME)	Ph2	4.4.1		Yes	T2	-	NOVAK, Lars	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#16: 4.0.0 #18: 4.1.0 #24: 4.2.0 #25: 4.3.0 #27: 4.4.0	No	N	
08.01	General Aspects on the BSS-MSC Interface	Ph2	4.0.3		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#7: 4.0.0	No	N	

08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	Ph2	4.2.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#7: 4.0.0 #10: 4.1.0 #13: 4.2.0	No	N
08.04	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification	Ph2	4.0.3		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#7: 4.0.0	No	N
08.06	Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	Ph2	4.5.0		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #10: 4.4.0 #12: 4.5.0	No	N
08.08	Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	Ph2	4.c.1		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#7: 4.4.0 #8: 4.5.0 #9: 4.6.0 #10: 4.7.0 #13: 4.8.0 #15: 4.9.0 #16: 4.10.0 #17: 4.11.0 #23: 4.12.0	No	N
08.20	Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	Ph2	4.2.3		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		#7: 4.2.1 #13: 4.2.3	No	N
08.51	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface General Aspects	Ph2	4.1.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#7: 4.0.1 #13: 4.1.0	No	N
08.52	Base Station Controller - Base Tranceiver Station (BSC-BTS) Interface - Interface Principles	Ph2	4.2.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#7: 4.0.1 #13: 4.1.0 #14: 4.2.0	No	N
08.54	BSC-BTS : Layer 1 Structure of Physical Circuits	Ph2	4.1.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#7: 4.0.1 #13: 4.1.0	No	N
08.56	BSC-BTS Layer 2 Specification	Ph2	4.0.2		Yes	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert		#8: 4.0.0	No	N
08.58	Base Station Controler - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	Ph2	4.9.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#7: 4.3.0 #8: 4.4.0 #9: 4.5.0 #10: 4.6.0 #13: 4.7.0 #15: 4.8.0 #16: 4.9.0	No	N

08.60	Inband Control of Remote Transcoders and Rate Adaptors for EFR/FR	Ph2	4.4.1		Yes	GP	-	...		USAI, Paolino		#7: 4.1.0 #13: 4.2.0 #22: 4.3.0 #23: 4.4.0	No	N
08.61	Inband Control of Remote Transcoder and Rate Adaptors;(Half Rate)	Ph2	4.0.2		Yes	GP	NP	JACOB, Petra	SIEMENS AG	USAI, Paolino		#13: 4.0.0	No	N
09.01	General Network Interworking Scenarios	Ph2	4.0.1		Yes	N4	-	...		SETTIMO, Franco		#8: 4.0.0 #9: 4.0.1	No	N
09.02	Mobile Application Part (MAP) Specification	Ph2	4.j.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	CN->N4 Apr00 (JMM)	#7: 4.4.0 #8: 4.5.0 #9: 4.6.0 #10: 4.7.0 #11: 4.8.0 #12: 4.9.0 #13: 4.10.0 #14: 4.11.0 #16: 4.12.0 #17: 4.13.0 #19: 4.14.0 #20: 4.15.0 #21: 4.16.0 #22: 4.17.0 #23: 4.18.0 TSG#8:4.19.0	No	N
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)	Ph2	4.0.3		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#8: 4.0.0 #9: 4.0.1	No	N
09.04	Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	Ph2	4.0.2		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#7: 4.0.0 #8: 4.0.1 #9: 4.0.2	No	N
09.05	Interworking between the PLMN and the PSPDN for PAD Access	Ph2	4.4.2		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	#7: 4.3.0 #8: 4.4.0 #9: 4.4.1	No	N
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	Ph2	4.5.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David	N3: "no R99 needed".	#7: 4.3.0 #9: 4.4.0 #12: 4.5.0	No	N
09.07	General Requirements on Interworking between the	Ph2	4.d.1		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#7: 4.4.0 #8: 4.5.0 #9: 4.6.0	No	N

		Public Land Mobile Network (PLMN) and the Intergrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)										#10: 4.7.0 #13: 4.8.0 #14: 4.9.0 #16: 4.10.0 #18: 4.11.0 #20: 4.12.0 #27: 4.13.0		
09.08		Application of the Base Station System Application Part (BSSAP) on the E-Interface	Ph2	4.1.1		Yes	N1	-	JORGENSEN, Per Johan	ERICSSON L.M. Telefonaktiebolaget	AL -BAKRI, Ban	#9: 4.0.0 #13: 4.1.0	No	N
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)	Ph2	4.4.1		Yes	N4	-	...		SETTIMO, Franco	#8: 4.0.0 #9: 4.1.0 #10: 4.2.0 #17: 4.3.0 #23: 4.4.0	No	N
09.11		Signalling Interworking for Supplementary Services	Ph2	4.6.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco	#7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #12: 4.4.0 #13: 4.5.0 #19: 4.6.0	No	N
09.12		Application of ISUP Version 2 for the ISDN-PLMN (GSM) Signalling	Ph2	4.2.2		Yes	SPAN3	N4	...		EN 300 646	#17: 4.0.0 #22: 4.2.1 - SPAN1 prime resp., SMG 2nd resp. - different numbering scheme.	No	N
09.90		Interworking between Phase 1 Infrastructure and Phase 2 Mobile Stations (MS)	Ph2	4.9.0		Yes	N1	-	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	#7: 4.0.0 #8: 4.1.0 #9: 4.2.0 #10: 4.3.0 #11: 4.4.0 #15: 4.5.0 #16: 4.6.0 #18: 4.7.0 #19: 4.8.0 #22: 4.9.0	No	N
09.91		Interworking Aspects of the SIM/ME Interface Between Phase 1 and Phase 2	Ph2	4.0.1		Yes	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael	#10: 4.0.0	No	N
09.94		Recommended Infrastructure Measures to Overcome Specific Phase 1 Mobile Stations Faults	Ph2	4.5.0		Yes	N1	-	CHOTAI, Sunil	BT	AL -BAKRI, Ban	v4.x.x belongs to all releases from ph2 onwards #14: 4.0.0 #15: 4.1.0 #16: 4.2.0 #19: 4.3.0 #23: 4.4.0 SMG#30 4.5.0	No	N
11.10-1		Mobile station (MS) conformance specification; Part1: Conformance specification	Ph2	4.s.1		Yes	G4	S1 / GP / NP / T2 /	...		SALMERON, Lidia	R99 version now serves all releases. Earlier releases frozen. #16: 4.13.0 #17: 4.14.0 #18: 4.15.0 #19: 4.16.0	No	N

								SCP					#20: 4.17.0 #21: 4.18.0 #22: 4.19.0 #23: 4.20.0 #24: 4.21.0 #25: 4.22.0 #26: 4.23.0 #27: 4.24.0 #28: 4.25.0 #29: 4.26.0 #30: 4.27.0 #31:4.28.0 #31b: closed (R99 version serves all releases)		
11.10-2	Mobile station (MS) conformance specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification	Ph2	4.f.0		Yes	G4	S1 / GP / NP / T2 / SCP	...			SALMERON, Lidia		#16: 4.13.0 #17: 4.14.0 #18: 4.15.0	No	N
11.10-3	Layer3 (L3) Abstract Test Suite (ATS)	Ph2	4.t.0		Yes	G4	S1 / GP / NP / T2 / SCP	...			SALMERON, Lidia		#16: 4.13.0 #17: 4.14.0 #18: 4.15.0 #19: 4.16.0 #20: 4.17.0 #21: 4.18.0 #22: 4.19.0 #23: 4.20.0 #24: 4.21.0 #25: 4.22.0 #26: 4.23.0 #27: 4.24.0 #28: 4.25.0 #29: 4.26.0 #30: 4.27.0 #31:4.28.0 #32:4.29.0	No	N
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	Ph2	4.l.1		No	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH		SANDERS, Michael		#7: 4.8.0 #8: 4.9.0 #9: 4.10.0 #10: 4.11.0 #11: 4.12.0 #12: 4.13.0 #13: 4.14.0 #15: 4.15.0 #16: 4.16.0 #18: 4.17.0 #19: 4.18.0 #20:	No	N

												4.18.1 #21: 4.18.2 #22: 4.19.0 #25: 4.20.0 #29: 4.21.0		
11.21	GSM Radio Aspects Base Station System Equipment Specification	Ph2	4.e.1		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#11: 4.0.0 #12: 4.1.0 #13: 4.2.0 #15: 4.3.0 #16: 4.4.0 #17: 4.5.0 #18: 4.6.0 #20: 4.7.0 #22: 4.8.0 #23: 4.9.0 #25: 4.10.0 #26: 4.11.0 #27: 4.12.0 #28: 4.13.0 #29: 4.14.0	No	N
11.22	GSM Base Station and Ancillary Equipment, Physical and Electrical Parameters, Application of Standards and Guidance Notes	Ph2	4.2.0		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		.	No	N
11.23	GSM Signalling Aspects Base Station System equipment Specification	Ph2	4.9.1		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#11: 4.0.0 #14: 4.1.0 #15: 4.1.0 #16: 4.2.0 #17: 4.3.0 #18: 4.4.0 #19: 4.5.0 #21: 4.6.0 #22: 4.7.0 #23: 4.8.0 #25: 4.9.0	No	N
11.24	GSM Transcoding and Rate Adaptation: Base Station System Equipment Specification	Ph2	4.3.1		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#14: 4.0.0 #20: 4.1.0 #25: 4.2.0 #27: 4.3.0	No	N
11.26	GSM Repeater Equipment Specification	Ph2	4.2.2		Yes	G3	-	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	RODERMUND, Friedhelm		#15: 4.0.0 #17: 4.1.0 #18: 4.2.0 #20: 4.2.2	No	N
12.00	Objectives and Structure of GSM Public Land Mobile Network (PLMN) Management	Ph2	4.6.0		Yes	S5	-	...		ZOICAS, Adrian		#7: 4.0.0 #8: 4.1.0 #11: 4.2.0 #15: 4.3.0 #16: 4.4.0 #17: 4.5.0 #23: 4.6.0	No	N
12.01	Common Aspects of Public Land Mobile Network (PLMN) Management	Ph2	4.4.1		Yes	S5	NP	...		ZOICAS, Adrian		#7: 4.0.0 #8: 4.1.0 #9: 4.1.1 #10: 4.2.0 #11: 4.3.0 #17: 4.4.0	No	N
12.02	Subscriber, Mobile Equipment (ME) and Services Data Administration	Ph2	4.6.1		Yes	S5	S1	...		ZOICAS, Adrian		#7: 4.0.0 #8: 4.1.0 #9: 4.2.0 #11: 4.3.0 #15: 4.4.0 #16:	No	N

												4.5.0 #17: 4.6.0		
12.03	Security Management	Ph2	4.2.1		Yes	S5	S1 / NP	...		ZOICAS, Adrian		#11: 4.0.0 #14: 4.1.0 #17: 4.2.0	No	N
12.04	Performance Management and Measurements for a GSM Public Land Mobile Network (PLMN)	Ph2	4.3.1		Yes	S5	S1 / NP	...		ZOICAS, Adrian		#8: 4.0.0 #11: 4.1.0 #13: 4.2.0 #17: 4.3.0	No	N
12.05	Subscriber Related Call and Event Data	Ph2	4.3.1		Yes	S5	S1	SJÖBLOM, Kai	NOKIA Corporation	ZOICAS, Adrian		#8: 4.0.0 #11: 4.1.0 #15: 4.1.1 #17: 4.2.0 #22: 4.3.0	No	N
12.06	Network Configuration Management and Administration	Ph2	4.1.1		Yes	S5	NP	...		ZOICAS, Adrian		#11: 4.0.0 #12: 4.0.1 #17: 4.1.0	No	N
12.08	Subscriber and Equipment trace	Ph2	4.6.0		Yes	S5	NP	SJÖBLOM, Kai	NOKIA Corporation	ZOICAS, Adrian		#12: 4.0.0 #14: 4.1.0 #16: 4.2.1 #18: 4.3.0 #20: 4.4.0 #22: 4.5.0 #23: 4.6.0	No	N
12.11	Fault management of the Base Station System (BSS)	Ph2	4.2.1		Yes	S5	S1 / GP	...		ZOICAS, Adrian		#26: 4.2.0	No	N
12.20	Base Station System (BSS) Management Information	Ph2	4.2.1		Yes	S5	NP	...		ZOICAS, Adrian		#9: 4.0.0 #11: 4.1.0 #13: 4.1.1 #17: 4.2.0	No	N
12.21	Network Management (NM) Procedures and Messages on the A-bis Interface	Ph2	4.6.0		No	S5	GP	YUHAN, Albert	VoiceStream Wireless Corporation	ZOICAS, Adrian		#7: 4.1.0 #8: 4.2.0 #9: 4.3.0 #11: 4.4.0 #13: 4.5.0 #16: 4.5.2 #21: 4.6.0	No	N
12.22	Interworking of GSM Network Management (NM) Procedures and Messages at the Base Station Controller (BSC)	Ph2	4.1.4		Yes	S5	-	YUHAN, Albert	VoiceStream Wireless Corporation	ZOICAS, Adrian		#11: 4.0.0 #13: 4.1.0 #16: 4.1.2	No	N
12.30	ETSI Object Identifier Tree; Mobile Domain O&M	Ph2	4.2.0		Yes	S5	-	...		ZOICAS, Adrian		#10: 4.0.0 #11: 4.1.0 #15: 4.2.0	No	N
13.01	Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access	Ph2	4.1.0		Yes	MSG	G4	...		VAN DER VEEN, Hans		#28: 1.0.0 #29: 4.0.0 #30: 4.1.0	No	N
13.01-1	Attachment requirements for Global System for Mobile communications (GSM) mobile stations; Access	Ph2	4.0.0		Yes	MSG	G4	...		VAN DER VEEN, Hans	Harmonised EN 301 419-1	#27: 4.0.0	No	N
13.01-2	Attachment requirements	Ph2	4.0.0		Yes	MSG	G4	...		VAN DER VEEN,		#27: 4.0.0	No	N

		for mobile stations in the DCS 1800 band and additional GSM 900 band; Access									Hans				
13.02		Attachment requirements for mobile stations in the DCS 1800 band and additional GSM 900 band; Access	Ph2	4.0.1		Yes	MSG	G4	...		VAN DER VEEN, Hans	Harmonised EN 301 420	#28: 1.0.0 #29: 4.0.0	No	N
TBR19		General Attachment Requirements for GSM Mobile Stations	Ph2	4.5.0		No	MSG	-	...		VAN DER VEEN, Hans		#14: Ed1 #16: 4.0.0 #17: 4.1.0 #18: 4.2.0 #21: 4.2.1 #22: 4.3.0 #24: 4.4.0 #29: 4.5.0 (was originally 13.01)	No	N
TBR20		Attachment Requirements for GSM Terminal Equipment (Telephony)	Ph2	4.0.2		Yes	MSG	-	...		VAN DER VEEN, Hans		#14: Ed1 #16: 4.0.0 #17: 4.0.1 Feb97: 4.0.2	No	N
TBR31		General Attachment Requirements for DCS Mobile Stations	Ph2	4.1.0		Yes	MSG	-	...		VAN DER VEEN, Hans		#17: 4.0.0 May99: 4.1.0 (was originally 13.02)	No	N
TBR32		Attachment Requirements for DCS Terminal Equipment (Telephony)	Ph2	4.0.2		Yes	MSG	-	...		VAN DER VEEN, Hans		#17: 4.0.0	No	N
03.20		Security-related Network Functions	Ph1-EXT	3.0.0		No	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		#7: 3.0.0	No	N
04.08		Mobile Radio Interface - Layer 3 Specification	Ph1-EXT	3.0.0		No	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)	#7: 3.0.0	No	N
08.08		Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	Ph1-EXT	3.0.0		No	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		#7: 3.0.0	No	N
08.58		Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	Ph1-EXT	3.0.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#7: 3.0.0	No	N
02.06		Types of Mobile Stations (MS)	Ph1-DCS	3.0.0		No	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael		.	No	N
02.11		Service Accessibility	Ph1-DCS	3.1.0		No	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael		#4: 3.1.0	No	N
03.12		Location Registration Procedures	Ph1-DCS	3.0.1		No	N4	-	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		.	No	N
04.08		Mobile Radio Interface -	Ph1-	3.1.0		No	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain	.	No	N

		Layer 3 Specification	DCS									as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)			
05.01	Physical Layer on the Radio Path (General Description)	Ph1-DCS	3.0.0		No	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		.		No	N
05.05	Radio Transmission and Reception	Ph1-DCS	3.3.0		No	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#4: 3.2.0 #8: 3.3.0		No	N
05.08	Radio Subsystem Link Control	Ph1-DCS	3.0.0		No	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		.		No	N
08.58	Base Station Controller - Base Transceiver Station (BCS-BTS) Interface Layer 3 Specification	Ph1-DCS	3.0.0		No	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.		No	N
09.02	Mobile Application Part (MAP) Specification	Ph1-DCS	3.0.0		No	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	CN->N4 Apr00 (JMM)	.		No	N
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)	Ph1-DCS	3.0.0		No	N4	-	...		SETTIMO, Franco		.		No	N
11.10	Mobile Station Conformity Specification (DCS 1800)	Ph1-DCS	3.e.0		No	G4	S1 / GP / NP / T2 / SCP	LEGRAND, Walter	MATRA NORTEL COMMUNICATIONS	SALMERON, Lidia		#2: 3.2.0 #3: 3.3.0 #4b: 3.4.0 #5: 3.5.0 #6: 3.6.0 #7: 3.7.0 #8: 3.8.0 #9: 3.9.0 #10: 3.10.0 #11: 3.11.0 #12: 3.12.0 #13: 3.13.0 #28: 3.14.0		No	N
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	Ph1-DCS	3.3.4		No	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael		#2: 3.2.0 #4: 3.3.0 #8: 3.3.1 #9: 3.3.2 #11: 3.3.3 #12: 3.3.4		No	N
11.20	GSM DCS 1800 Base Station Specification	Ph1-DCS	3.d.0		No	GP	NP	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino		#1: 3.1.0 #2: 3.2.0 #3: 3.3.0 #4: 3.4.0 #5: 3.5.0 #6: 3.6.0 #7: 3.7.0 #8: 3.8.0 #9: 3.9.0 #10: 3.10.0 #11: 3.11.0		No	N

													#12: 3.12.0 #17: 3.13.0		
11.40	DCS 1800 System Simulator Conformity Specification	Ph1-DCS	3.3.0		No	G4	-	...			SALMERON, Lidia		#4: 3.2.0 #11: 3.3.0	No	N
01.04	Abbreviations and Acronyms	Ph1	3.0.1		Yes	GP	-	CLAYTON, Michael	GSM MoU Association	USAI, Paolino			.	No	N
02.01	Principles of Telecommunication Services Supported by a GSM Public Land Mobile Network(PLMN)	Ph1	3.2.0		Yes	S1	-	KOKKOLA, Tommi	NOKIA Corporation	CLAYTON, Michael			.	No	N
02.02	Bearer Services (BS) Supported by a GSM Public Land Mobile Network (PLMN)	Ph1	3.2.0		Yes	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael			.	No	N
02.03	Teleservices Supported by a GSM Public Land Mobile Network (PLMN)	Ph1	3.4.0		Yes	S1	-	CONRAD, Alan	Deutsche Telekom MobilNet GmbH	CLAYTON, Michael			.	No	N
02.04	General on Supplementary Services	Ph1	3.7.1		No	S1	-	RICHARDS, Denise	Lucent Technologies Network Systems UK	CLAYTON, Michael			.	No	N
02.06	Types of Mobile Stations (MS)	Ph1	3.2.0		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael			.	No	N
02.07	Mobile Station (MS) Features	Ph1	3.4.1		Yes	S1	-	JEAL, David	VODAFONE Group Plc	CLAYTON, Michael			.	No	N
02.09	Security Aspects	Ph1	3.1.0		No	S3	S1 / NP	GILBERT, Henri	France Telecom R&D	POPE, Maurice			#6b: 3.1.0	No	N
02.11	Service Accessibility	Ph1	3.7.0		No	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael			#4: 3.7.0	No	N
02.16	International Mobile Station Equipment Identities (IMEI)	Ph1	3.0.1		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael			.	No	N
02.17	Subscriber Identity Modules, Functional Characteristics	Ph1	3.2.0		Yes	T3	S1	GREEN, Mark	ORANGE PCS LTD	SANDERS, Michael			.	No	N
02.30	Man-machine Interface (MMI) of the Mobile Station (MS)	Ph1	3.9.0		Yes	S1		JEAL, David	VODAFONE Group Plc	CLAYTON, Michael			.	No	N
02.40	Procedures for Call Progress Indications	Ph1	3.2.0		Yes	S1	NP	DWYER, Paul	VODAFONE Group Plc	CLAYTON, Michael	R99 -> 22.101		.	No	N
02.82	Call Forwarding (CF) Supplementary Services - Stage 1	Ph1	3.6.1		Yes	S1	-	CHICHMANIAN, Anouch	France Telecom R&D	CLAYTON, Michael			.	No	N
02.88	Call Barring (CB)	Ph1	3.6.1		Yes	S1	-	CONRAD, Alan	Deutsche	CLAYTON, Michael			.	No	N

		Supplementary Services - Stage 1							Telekom MobilNet GmbH					
03.01	Network Functions	Ph1	3.1.1		Yes	S2	NP	GAASVIK, Per-Ola	COMVIQ GSM AB	SULTAN, Alain	SMG3->SA2 @ TSG#7	.	No	N
03.02	Network Architecture	Ph1	3.1.4		Yes	S2	NP / T2	SULTAN, Alain	ETSI Secretariat	SULTAN, Alain		.	No	N
03.03	Numbering, Addressing and Identification	Ph1	3.6.0		Yes	N4	T2	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		#8: 3.6.0	No	N
03.04	Signalling Requirements Relating to Routing of Calls to Mobile Subscribers	Ph1	3.1.0		Yes	N4	SPAN / T2	...		SETTIMO, Franco		.	No	N
03.05	Technical performance objectives	Ph1	3.2.0		Yes	NP	-	...		BOSWARTHICK, David		.	No	N
03.07	Restoration Procedures	Ph1	3.2.1		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco		.	No	N
03.08	Organization of Subscriber Data	Ph1	3.7.0		Yes	N4	-	BAUER, Rolf	ALCATEL SEL AG	SETTIMO, Franco		.	No	N
03.09	Handover Procedures	Ph1	3.2.1		Yes	N1	-	FARHOUMAND, Rouzbeh	Ericsson Incorporated	AL -BAKRI, Ban		.	No	N
03.10	GSM Public Land Mobile Network (PLMN) Connection Types	Ph1	3.3.0		Yes	N3	-	BRAUN, Achim	ALCATEL SEL AG	BOSWARTHICK, David		.	No	N
03.11	Technical Realization of Supplementary Services - General Aspects	Ph1	3.1.1		Yes	N4	-	HABERMANN, Steffen	Deutsche Telekom MobilNet GmbH	SETTIMO, Franco		.	No	N
03.12	Location Registration Procedures	Ph1	3.3.0		Yes	N4	-	GAASVIK, Per-Ola	COMVIQ GSM AB	SETTIMO, Franco		.	No	N
03.13	Discontinuous Reception (DRX) in the GSM System	Ph1	3.0.2		Yes	GP	-	...		USAI, Paolino		.	No	N
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	Ph1	3.0.2		Yes	N1	-	...		AL -BAKRI, Ban		.	No	N
03.20	Security-related Network Functions	Ph1	3.3.2		Yes	S3	NP / GP	GILBERT, Henri	France Telecom R&D	POPE, Maurice		.	No	N
03.40	Technical Realization of the Short Message Service (SMS) Point-to-poin (PP)	Ph1	3.7.0		No	T2	-	HARRIS, Ian	VODAFONE Group Plc	RODERMUND, Friedhelm		#8: 3.6.0 #9: 3.7.0	No	N
03.41	Technical Realization of	Ph1	3.4.0		Yes	T2	-	HARRIS, Ian	VODAFONE	RODERMUND,		.	No	N

		Short Message Service Cell Broadcast (SMSCB)								Group Plc	Friedhelm				
03.43		Support of Videotex	Ph1	3.0.1		Yes	T2	-	DI TRIA, Paolo	CSELT - Centro Studi e Laboratori Telecomunicazioni	RODERMUND, Friedhelm	.		No	N
03.44		Support of Teletex in a GSM Public Land Mobile Network (PLMN)	Ph1	3.0.1		Yes	T2	-	...		RODERMUND, Friedhelm	.		No	N
03.45		Technical Realization of Facsimile Group 3 Service - transparent	Ph1	3.3.0		Yes	N3	-	...		BOSWARTHICK, David		#5: 3.2.0 #6: 3.3.0 (exists in PDF only)	No	N
03.46		Technical Realization of Facsimile Group 3 Service - non transparent	Ph1	3.2.1		Yes	N3	-	...		BOSWARTHICK, David		#5: 3.2.1	No	N
03.50		Transmission Planning Aspects of the Speech Service in the GSM Public Land Mobile Network (PLMN) System	Ph1	3.4.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		#4: 3.2.2 #8: 3.3.0 #11: 3.4.0	No	N
03.70		Routeing of Calls to/from Public Data Networks (PDN)	Ph1	3.0.0		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	.	No	N
03.82		Call Forwarding (CF) Supplementary Services; Stage 2	Ph1	3.2.1		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco	.		No	N
03.88		Call Barring (CB) supplementary services - Stage 2	Ph1	3.2.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco	.		No	N
04.01		Mobile Station - Base Station System (MS - BSS) Interface General Aspects and Principles	Ph1	3.0.1		Yes	N1	-	AVELINE, Sophie	France Telecom R&D	AL -BAKRI, Ban	.		No	N
04.02		GSM Public Land Mobile Network (PLMN) Access Reference Configuration	Ph1	3.0.2		Yes	N1	-	DOSHI, Sonia	NORTEL NETWORKS (EUROPE)	AL -BAKRI, Ban	.		No	N
04.03		Mobile Station - Base Station System (MS - BSS) Interface Channel Structures and Access Capabilities	Ph1	3.0.3		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert	.		No	N
04.04		Layer 1 - General Requirements	Ph1	3.3.4		Yes	G2	-	THOMAS, Rémi	France Telecom R&D	THOMASEN, Gert	.		No	N
04.05		Data Link (DL) Layer General Aspects	Ph1	3.1.5		Yes	G2	-	...		THOMASEN, Gert	.		No	N
04.06		Mobile Station - Base Stations System (MS - BSS) Interface Data Link (DL) Layer Specification	Ph1	3.9.0		Yes	G2	-	...		THOMASEN, Gert	.		No	N

04.07	Mobile Radio Interface Signalling Layer 3 - General Aspects	Ph1	3.3.3		Yes	N1	-	...		AL -BAKRI, Ban		.	No	N
04.08	Mobile Radio Interface - Layer 3 Specification	Ph1	3.e.0		Yes	N1	G2	HOWELL, Andrew	MOTOROLA Ltd	AL -BAKRI, Ban	04.08 will remain as an index. Body txfrd to 24.008. Secondary MCC: Gert Thomasen (even numbered CRs!)	.	No	N
04.10	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects	Ph1	3.2.3		Yes	N4	-	SHARP, Iain	NORTEL NETWORKS (EUROPE)	SETTIMO, Franco		.	No	N
04.11	Point-to-Point (PP) Short Message Service (SMS) Support on Mobile Radio Interface	Ph1	3.3.0		Yes	N1	-	NOBUYUKI, Uda	NTT Communications Ware Corporation	AL -BAKRI, Ban		#5:3.3.0	No	N
04.12	Short Message Service Cell Broadcast (SMSCB) Support on the Mobile Radio Interface	Ph1	3.2.1		Yes	G2	T2	PUDNEY, Chris	VODAFONE Group Plc	THOMASEN, Gert		.	No	N
04.21	Rate Adaption on the Mobile Station - Base Station System (MS-BSS) Interface	Ph1	3.4.0		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		.	No	N
04.22	Radio Link Protocol for Data and Telematic Services on the MS-BSS Interface	Ph1	3.7.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		.	No	N
04.80	Mobile Radio Interface Layer 3 - Supplementary Services Specification Formats and Coding	Ph1	3.2.0		Yes	N4	-	...		SETTIMO, Franco		.	No	N
04.82	Call Forwarding (CF) Supplementary Services - Stage 3	Ph1	3.1.3		Yes	N4	-	POTHS, Annette	MANNESMANN Mobilfunk GmbH	SETTIMO, Franco		.	No	N
04.88	Call Barring (CB) Supplementary Services - Stage 3	Ph1	3.1.3		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		.	No	N
05.01	Physical Layer on the Radio Path (General Description)	Ph1	3.3.2		Yes	GP	-	ANDERSEN, Niels Peter Skov	MOTOROLA A/S	USAI, Paolino		.	No	N
05.02	Multiplexing and Multiple Access on the Radio Path	Ph1	3.8.0		Yes	GP	-	...		USAI, Paolino		#15: 3.7.0 #16: 3.8.0	No	N
05.03	Channel Coding	Ph1	3.6.1		Yes	GP	-	...		USAI, Paolino		#12: 3.6.1	No	N
05.04	Modulation	Ph1	3.1.2		Yes	GP	-	REINER, Michaël	AEG Mobile Communications	USAI, Paolino		.	No	N

									GmbH (AMC)						
05.05	Radio Transmission and Reception	Ph1	3.16.0		Yes	GP	-	CHARLES, Jean Pierre	France Telecom R&D	USAI, Paolino		#4: 3.14.0 #6b: 3.15.0 #8: 3.16.0	No	N	
05.08	Radio Subsystem Link Control	Ph1	3.8.0		Yes	GP	-	WHITE, Phil	VODAFONE Group Plc	USAI, Paolino		#16: 3.8.0	No	N	
05.10	Radio Subsystem Synchronization	Ph1	3.5.1		Yes	GP	-	BENN, Howard	MOTOROLA Ltd	USAI, Paolino		#4: 3.5.1	No	N	
06.01	Full Rate Speech Processing Functions	Ph1	3.0.0		Yes	S4	-	USAI, Paolino	ETSI Secretariat	USAI, Paolino		.	No	N	
06.10	Full Rate Speech Transcoding	Ph1	3.2.0		Yes	S4	-	LORENZ, Dietmar	PHILIPS Semiconductors	USAI, Paolino		.	No	N	
06.11	Substitution and Muting of Lost Frames for Full Rate Speech Channels	Ph1	3.0.1		Yes	S4	-	NAVARRO, William	NORTEL NETWORKS (EUROPE)	USAI, Paolino		.	No	N	
06.12	Comfort Noise Aspects for Full Rate Speech Traffic Channels	Ph1	3.0.1		Yes	S4	-	SERENO, Daniele	TELECOM ITALIA S.p.A.	USAI, Paolino		.	No	N	
06.31	Discontinuous Transmission (DTX) for Full Rate Speech Traffic Channels	Ph1	3.1.0		Yes	S4	-	..,		USAI, Paolino		.	No	N	
06.32	Voice Activity Detection (VAD)	Ph1	3.0.0		Yes	S4	-	BARRETT, Paul	BT	USAI, Paolino		.	No	N	
07.01	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)	Ph1	3.e.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#2: 3.14.0	No	N	
07.02	Terminal Adaptation Functions (TAF) for Services Using Asynchronous Bearer Capabilities	Ph1	3.8.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#2: 3.8.0	No	N	
07.03	Terminal Adaptation Functions (TAF) for Services Using Synchronous Bearer Capabilities	Ph1	3.4.0		Yes	N3	-	COLBAN, Erik	ERICSSON AS	BOSWARTHICK, David		#5: 3.4.0	No	N	
08.01	General Aspects on the BSS-MSC Interface	Ph1	3.0.1		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N	
08.02	Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface - Interface Principles	Ph1	3.3.1		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N	
08.04	Base Station System -	Ph1	3.0.3		Yes	G2	-	DAVIES, Rob	Philips Research	THOMASEN, Gert		.	No	N	

		Mobile Services Switching Centre (BSS-MSC) Interface Layer 1 Specification								Laboratories					
08.06		Signalling Transport Mechanism Specification for the Base Station System - Mobile Services Switching Centre (BSS-MSC) Interface	Ph1	3.5.2		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
08.08		Mobile Switching Centre - Base Station system (MSC-BSS) Interface Layer 3 Specification	Ph1	3.a.1		Yes	G2	-	DAVIES, Rob	Philips Research Laboratories	THOMASEN, Gert		.	No	N
08.20		Rate Adaptation on the Base Station System - Mobile Service Switching Centre (BSS-MSC) Interface	Ph1	3.1.2		Yes	N3	-	RÄSÄNEN, Juha	NOKIA Corporation	BOSWARTHICK, David		.	No	N
08.51		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface General Aspects	Ph1	3.0.2		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.	No	N
08.52		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface - Interface Principles	Ph1	3.0.2		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.	No	N
08.54		BSC-BTS : Layer 1 Structure of Physical Circuits	Ph1	3.0.1		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		.	No	N
08.56		BSC-BTS Layer 2 Specification	Ph1	3.1.1		Yes	G2	-	ANDERSEN, Harald	ERICSSON TELECOM	THOMASEN, Gert		.	No	N
08.58		Base Station Controller - Base Transceiver Station (BSC-BTS) Interface Layer 3 Specification	Ph1	3.6.0		Yes	G2	-	LYCKSELL, Edgar	TELIA AB	THOMASEN, Gert		#10: 3.6.0	No	N
08.59		BSC-BTS O&M Signalling Transport	Ph1	3.1.0		Yes	GP	-	...		USAI, Paolino		.	No	N
08.60		Inband Control of Remote Transcoders and Rate Adaptors forEFR/FR	Ph1	3.3.1		Yes	GP	-	...		USAI, Paolino		.	No	N
09.01		General Network Interworking Scenarios	Ph1	3.0.1		Yes	N4	-	...		SETTIMO, Franco		.	No	N
09.02		Mobile Application Part (MAP) Specification	Ph1	3.b.0		Yes	N4	-	PARK, Ian David Chalmers	VODAFONE Group Plc	SETTIMO, Franco	CN->N4 Apr00 (JMM)	#9: 3.9.0 #12: 3.10.0 #14: 3.11.0	No	N
09.03		Signalling Requirements on	Ph1	3.0.1		Yes	N3	-	...		BOSWARTHICK,	N3: "no R99	.	No	N

		Interworking between the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN) and the Public Land Mobile Network (PLMN)								David	needed".				
09.04		Interworking between the Public Land Mobile Network (PLMN) and the Circuit Switched Public Data Network (CSPDN)	Ph1	3.0.1		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	.	No	N
09.05		Interworking between the PLMN and the PSPDN for PAD Access	Ph1	3.2.2		Yes	N3	-	...		BOSWARTHICK, David	N3: "no R99 needed".	.	No	N
09.07		General Requirements on Interworking between the Public Land Mobile Network (PLMN) and the Integrated Services Digital Network (ISDN) or Public Switched Telephone Network (PSTN)	Ph1	3.a.0		Yes	N3	-	KLEHN, Norbert	SIEMENS AG	BOSWARTHICK, David		#5: 3.8.0 #9: 3.9.0 #14: 3.10.0	No	N
09.09		Detailed Signalling Interworking within the PLMN and with the PSTN/ISDN	Ph1	3.0.0		No	N4	-	VAINIKKA, Jari	NOKIA Corporation	SETTIMO, Franco		.	No	N
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)	Ph1	3.0.2		Yes	N4	-	...		SETTIMO, Franco		.	No	N
09.11		Signalling Interworking for Supplementary Services	Ph1	3.0.1		Yes	N4	-	HAMEL, Eric	France Telecom R&D	SETTIMO, Franco		.	No	N
11.10		Mobile Station Conformity Specification (DCS 1800)	Ph1	3.n.1		Yes	G4	S1 / GP / NP / T2 / SCP	LEGRAND, Walter	MATRA NORTEL COMMUNICATIONS	SALMERON, Lidia		#2: 3.8.0 #3: 3.9.0 #4b:3.10.0 #5: 3.11.0 #6: 3.12.0 #7: 3.13.0 #8: 3.14.0 #8: 3.15.0 #9: 3.16.0 #10: 3.17.0 #11: 3.18.0 #12: 3.19.0 #13:	No	N

													3.20.0 #15: 3.21.0 #16: 3.22.0 #20: 3.23.0		
11.11	Specification of the Subscriber Identity Module - Mobile Equipment (SIM-ME) Interface	Ph1	3.g.0		Yes	T3	-	VEDDER, Klaus	GIESECKE & DEVRIENT GmbH	SANDERS, Michael			#2: 3.11.0 #3: 3.12.0 #8: 3.13.0 #9: 3.14.0 #11: 3.15.0 #12: 3.16.0	No	N
11.20	GSM DCS 1800 Base Station Specification	Ph1	3.j.0		Yes	GP	NP	BUSIN, Ake	ERICSSON L.M. Telefonaktiebolaget	USAI, Paolino			#1: 3.6.0 #2: 3.7.0 #3: 3.8.0 #4: 3.9.0 #5: 3.10.0 #6: 3.11.0 #7: 3.12.0 #8: 3.13.0 #9: 3.14.0 #10: 3.15.0 #11: 3.16.0 #12: 3.17.0 #14: 3.18.0 #17: 3.19.0	No	N
11.30	Mobile Services Switching Centre	Ph1	3.2.1		Yes	GP	-	...		USAI, Paolino			.	No	N
11.31	Home Location Register Specification	Ph1	3.2.1		Yes	GP	-	...		USAI, Paolino			.	No	N
11.32	Visitor Location Register Specification	Ph1	3.2.1		Yes	GP	-	...		USAI, Paolino			.	No	N
11.40	DCS 1800 System Simulator Conformity Specification	Ph1	3.7.0		Yes	G4	-	...		SALMERON, Lidia			#2: 3.6.0 #11: 3.7.0	No	N
TBR 5	General Attachment Requirements for GSM Mobile Stations	Ph1	Ed2		Yes	MSG	-	FREEMAN, David	MOTOROLA	VAN DER VEEN, Hans			#4: 1.0.0 #4b: 3.0.0 #8: Ed1 #12: Ed2 (v3.1.0)	No	N
TBR 9	Attachment Requirements for GSM Terminal Equipment (Telephony)	Ph1	Ed2		Yes	MSG	-	FREEMAN, David	MOTOROLA	VAN DER VEEN, Hans			#4: 1.0.0 #4b: 3.0.0 #8: Ed1 #12: Ed2	No	N