

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	
1	2044	VERSION 2003 January 15th	Rel																	
2	1462	"CTRL + a" to display all the 3GPP fields																		
3	2058	Content of Rel4 and Rel5 frozen. Rel6 and after not frozen.	Rel																	
4	0		Rel																	
5	96																			
6	2	Evolutions of the transport in the UTRAN	NA	RP	ETRAN															
7	4	Evolutions of the transport in the CN	NA	N4	CNTRSP															
8	14011	Preferred Framing Protocol for bearer independent CS archite	Rel6	N4	PPF															
9	1216	Improvements of Radio Interface	NA	RP	RInImp															
10	1470	Improvement of inter-frequency and inter-system measurem	Rel6	R1	RInImp-IflsI															
11	24004	Base station classification	Rel6	R4	RInImp-Bf															
12	1476	FDD Base station classification	Rel6	R4	RInImp-BS															
13	1218	Improved usage of downlink resource in FDD for CCTrCHs of d	Rel6	R2	RInImp-CC1															
14	1507	Terminal Power Saving features	Rel6	R2	RInImp-TPS															
15	2468	Multiple Input Multiple Output antennas (MIMO)	Rel6	R1	RInImp-MIM															
16	24006	Improving Receiver Performance Requirements for the FDD UE	Rel6	R4	RInImp-UEF															
17	24003	FS for the viable deployment of UTRA in additional and divers	Rel6	R4	RInImp-UM															
18	24005	FS on UE antenna efficiency test methods performance require	Rel6	R4	RInImp-UEA															
19	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel6	R1	RInImp-FCS															
20	1506	FS on Radio link performance enhancements	Rel6	R1	RInImp-Rlpx															
21	24001	FS on UTRA WideBand Distribution Systems	Rel6	R4	RInImp-WD															
22	21000	FS on Improvement of inter-frequency and inter-system measur	Rel6	R1	RInImp-IflsI															
23	21003	FS for the analysis of OFDM for UTRAN enhancements	Rel6	R1	RInImp-FSC															
24	21004	FS on Uplink Enhancements for Dedicated Transport Channels	Rel6	R1	RInImp-FSL															
25	21005	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	Rel6	R1	Rin-Imp-FS															
26	9	RAN improvements	NA	RP	RANimp															
27	20999	Beamforming Enhancements	Rel6	R1	RANimp-BF															
28	624	RAB support enhancement	Rel6	R2	RANimp-R/															
29	23005	Improvement of RRM across RNS and RNS/BSS	Rel6	R3	RANimp-RF															
30	23006	FS on the evolution of the UTRAN architecture	Rel6	R3	RANimp-FS															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	
31	22001	FS for the Early Mobile Handling in UTRAN	Rel6	R2	RANimp-FS	█														
32	1652	Emergency call enhancements	Rel6	N1	EMC1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
33	1653	For IP & PS based calls	Rel6	N1	EMC1-PS	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
34	1314	Service Requirements for IP-based emergency calls		S1																
35	1315	SIP emergency calls and packet emergency calls signalling flows		N1		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
36	1316	Stage 2 for emergency calls and packet emergency calls in general		S2		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
37	1317	Distinction of emergency call types to different emergency services		N1																
38	1646	Stage 3 for emergency calls and packet emergency calls in general		N1		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
39	2224	Conformance Test Aspects - Emergency call enhancements		T1																
40	2225	Testing Stage 3 for emergency calls and packet emergency calls in general		T1		█	█													
41	1826	Terminal interfaces	NA	T2	TI															
42	32023	Location Services enhancements 2	Rel6	S2	LCS2	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
43	32024	Improvement on Le interface		S2		█	█													
44	32001	Enhanced support for user privacy and subscriber data handlin		S2		█	█													
45	32025	Enhanced inter-GMLC interface		S2		█	█													
46	32012	Support of the Presence Service Architecture		S2		█														
47	32026	New events for triggered location reports		S2		█	█													
48	32029	FS on applicability of GALILEO for LCS		S2		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
49	20001	UE positioning	Rel6	RP	LCS2-UEp	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
50	2457	UE positioning enhancements - other methods		R2	LCS2-UEp	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
51	22002	FS on Enhancements to OTDOA Positioning using advanced blanking methods		R2	LCS2-UEp	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
52	50541	Uplink TDOA location determination for GSM/GPRS	Rel6	GP	UTDOA	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
53	50542	Addition of U-TDOA in the CS domain	Rel6	GP	UTDOA-CS	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
54	50543	Addition of U-TDOA in the CS domain	Rel6	GP	UTDOA-PS	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
55	2475	CLARIFY (Stage 3: 0%) - Open SMLC-SRNC Interface within the	Rel6	R2	LCS-Rel4F															
56	2127	Stage 2		S2																
57	1800	(U)SIM toolkit enhancements	NA	T3	USAT1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
58	1802	UICC API	NA	T3	USAT1-AP	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
59	43001	Java API Test specification		T3																
60	43003	Java API Test specification (TS 43.019 Rel-5)	Rel5	T3		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr				
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No		Dec	Jan		
61	1571	Security enhancements	NA	S3	SEC1																			
62	2026	Enhanced HE control of security (including positive authenticat	Rel6	S3																				
63	2027	Stage 2		S3																				
64	2028	FS on Network impacts		N4																				
65	33006	Network domain security	Rel6	S3	SEC1-NDS																			
66	33007	IP network layer security (NDS/IP)	Rel6	S3	SEC1-NDS-																			
67	33003	Rel-6 MAP application layer security	Rel6	S3	SEC1-MAF																			
68	33004	Main aspects		S3	SEC1-MAP																			
69	33005	Security signalling flows for the Ze interface		N4	SEC1-MAP																			
70	32021	IMS Phase 2	Rel6	S1	IMS2																			
71	32027	Stage 2 of IMS Phase 2	Rel6	S2																				
72	11031	IMS Stage-3 Enhancements	Rel6	N1	IMS-CCR-E																			
73	11034	Identity portability in IMS		N1																				
74	11035	IMS Local services		N1																				
75	11036	IMS Group management (e.g. chat)		N1																				
76	11037	IMS Conferencing		N1																				
77	11038	PSS alignment to IMS		N1																				
78	11039	IMS Messaging		N1																				
79	11040	Additional SIP Capabilities support not covered by Rel-5		N1																				
80	11041	Review additional SIP Capabilities against IMS		N1																				
81	2048	Interworking between IMS and IP networks	Rel6	N3	IMS-CCR-I																			
82	13004	Interworking for 3GPP_SIP and IETF_SIP		N3																				
83	13005	Interworking for IPv6 to IPv4		N3																				
84	2047	Interworking between IMS and CS networks	Rel6	N3	IMS-CCR-I																			
85	13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)		N3																				
86	13003	ITU-T dependency on Q.2150.3 (SCTP)		N3																				
87	32005	IMS Local services	Rel6	S2																				
88	32019	Stage 2		S2																				
89	13011	Mm interface (CSCF to external IP multimedia network)	Rel6	N3																				
90	11017	CN1 part		N1																				
91	13013	Mg interface (BGCF to MGCF - interworking with CS)	Rel6	N3																				

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	
92	14002	Mg interface (BGCF to MGCF - interworking with CS)	Rel6	N1																
93	14001	Mn interface (IM-MGW to MGCF) enhancements	Rel6	N4	IMS-CCR-M															
94	14012	Mp (MRFC - MRFP) interface protocol definitions	Rel6	N4	IMS-CCR-M															
95	31022	IMS Messaging	Rel6	S1	IMSM															
96	31023	TR on support of messaging in the IMS		S1	IMSM-TR															
97	31034	Stage 1 22.340		S1	IMSM-TS															
98	31024	CRs to existing 22-series specifications		S1	IMSM-CR															
99	31033	CRs to 22.140 & 22.228		S1	IMSM-CR															
100	32700	Stage 2		S2																
101	31025	IMS Group Management	Rel6	S1	IMSGM															
102	31026	TS on IMS group management		S1																
103	31036	Study of subscriber and operators relationship in IMS and relat	Rel6	S1																
104	33012	Lawful Interception in the 3GPP Rel-6 architecture		S3																
105	32015	MOVED - Radio optimisation impacts on PS domain architec	Rel6	S2																
106	11032	MOVED - Interoperability and Commonality between IMS usi	Rel6	N1	IMSCOOP															
107	32028	Stage 2		S2																
108	11033	Stage 3		N1																
109	1365	Support of Push Services	Rel6	S1	PUSH															
110	31004	Stage 1		S1																
111	32000	TR on feasibility study		S2																
112	32701	Stage 2		S2																
113	42009	Multimedia Messaging (MMS) enhancements	Rel6	T2	MMS6															
114	42010	Definition of service requirements		S1																
115	31031	Definition of service requirements charging		S1																
116	42011	Technical realization		T2																
117	42012	OMA dependencies		T2																
118	42013	MMS formats and codecs		S4																
119	42005	Rel-6 MExE enhancements	Rel6	T2	MEXE6															
120	42006	MExE Rel-6 Improvements and Investigations		T2	MEXE6-ENI															
121	42007	MExE Run-Time Independent Framework Feasibility Study		T2	MEXE6-RTI															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr		
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec		Jan	
123	2499	Support of Presence Capability	Rel6	S1	PRESNC																		
124	2501	Stage 1		S1																			
125	2502	Stage 2		S2																			
126	2503	Stage 3		N1																			
127	2504	Security issues		S3																			
128	2505	USIM issues		T3																			
129	2506	UE issues		T2																			
130	31028	Presence Service Enhancements	Rel6	S1	PRES1																		
131	2527	Emergency calls without UICC/SIM in netw. with IMS	Rel6	S2																			
132	32014	Stage 2		S2																			
133	2528	Stage 3 work for CN1		N1	EMC-NOSIM																		
134	50056	Enhanced A/Gb feasibility study	TBD	GP	AGbEnFS																		
135	50057	Feasibility study on A/Gb enhancements		G2	AGbEnFS-																		
136	50080	Requirements for the support of conversational services		GP																			
137	50084	Identification of the different building blocks for the provision of conversational services		GP																			
138	50093	Outline of impact and feasibility of these building blocks and their different solutions		GP																			
139	52081	Identification of the different building blocks for the provision of conversational services		G2																			
140	52082	Outline of impact and feasibility of these building blocks and their different solutions		G2																			
141	50081	Impact on 3GPP architecture and requirement to co-ordinate with other TSGs		GP																			
142	50082	Standardisation effort		GP																			
143	50083	Dependency to other features		GP																			
144	50063	Flexible Layer One for GERAN	TBD	GP	FLOGER																		
145	50064	Realisation of a Flexible Layer One		GP	FLOGER-R																		
146	50065	Technical Report		GP																			
147	51002	Architecture in 45.001 and 43.051		G1																			
148	51003	Multiplexing in 45.002		G1																			
149	51004	Channel Coding in 45.003		G1																			
150	51005	Performance Requirements in 45.005		G1																			
151	51006	Radio subsystem link control in 45.008		G1																			
152	52071	Requirements in 44.004		G2																			

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	
154	52073	Modifications to RLC/MAC in 44.060 and 44.160		G2																
155	52074	Modifications to RRC in 44.118 and 44.018		G2																
156	52075	Security for a Flexible Layer One		G2	FLOGER-S															
157	52076	Ciphering in 44.160,44.118, 44.060 and 44.018		G2																
158	55077	GERAN MS Conformance test for the Flexible Layer One		4;G5	FLOGER-I															
159	55078	MS Test in 51.010		4;G5																
160	55079	GERAN BTS Conformance test for the Flexible Layer One		G3	FLOGER-E															
161	53080	BTS Test in 51.021		G3																
162	50041	Uplink TDOA feasibility study	Rel6	GP	TDOAF															
163	2544	Multimedia Broadcast and Multicast Service	Rel6	S1	MBMS															
164	2545	Stage 1		S1																
165	32002	Stage 2		S2																
166	32702	TR on Architectural Study		S2																
167	32703	Stage 2 Specification Work		S2																
168	2481	Introduction of MBMS in RAN		R2																
169	11030	Support of the MBMS in CN protocols		N1																
170	33008	Security Aspects of Multimedia Broadcast/Multicast Service (MI		S3	MBMS															
171	50085	Support of MBMS in GERAN	Rel6	GP	MBMS-GE															
172	50086	Impact on the logical and physical channels		GP																
173	51085	Simultaneous support of MBMS services		G1																
174	51086	Simultaneous support of MBMS and non-MBMS services		G1																
175	52085	Re-synchronisation at cell change		G2																
176	50087	Decision making process between point-to-point or pont-to-multipoint configur.		GP																
177	50088	MBMS channel allocations procedures to multiple MSs		GP																
178	50089	Changes to the Gb interface		GP																
179	50090	GERAN specific changes to the lu-ps interface		GP																
180	50091	Interaction between MBMS and lu-flex		GP																
181	50092	Security aspects		GP																
182	55091	MS conformance tests		G5																
183	31006	Speech Recognition and Speech Enabled Services	Rel6	S1	SRSES															
184	31007	Speech Enabled Services Based on Distributed Speech Recogn		S1	DSR															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	
185	32999	Stage 2 of DSR			S2															
186	11021	SDP protocols extension to include DSR			N1															
187	34700	Codec Work to Support Speech Recognition Framework for Au			S4 SRSES-Coi															
188	31008	Generic User Profile		Rel6	S1 GUP															
189	31009	Stage 1 - Requirements			S1															
190	42002	Stage 2 - Data description framework			T2															
191	32008	Stage 2 - Architecture			S2															
192	42003	Stage 3 - Common objects			T2															
193	14008	Stage 3 - Network			N4															
194	33009	Security Aspects			S3															
195	31010	Digital Rights Management		Rel6	S1 DRM															
196	31011	Requirements			S1															
197	31037	Monitoring of Stages 2 and 3 progress (actual work to be done			S1															
198	33001	Security			S3															
199	34017	Codec Aspects			S4															
200	31012	FS on WLAN-UMTS Interworking		Rel6	S1 WLAN															
201	31020	Technical Report			S1 WLAN-TR															
202	31035	CRs to implement WLAN			S1 WLAN-CR															
203	32018	WLAN Interworking – Architecture Definition			S2															
204	32704	Security			S3															
205	31015	Priority Service		Rel6	S1 PRIOR															
206	31016	Feasibility Study			S1 PRIOR-FS															
207	31017	Stage 1 - Requirements			S1 PRIOR-SR															
208	31018	Network Sharing		Rel6	S1 NTShar															
209	31019	Technical Report			S1 NTShar-TR															
210	32016	QoS Improvements		NA	S2 QoS1															
211	32017	FS on Dynamic Policy control enhancements for end-to-end Qc		Rel6	S2 QoS1															
212	33002	Support for subscriber certificates		Rel6	S3 SEC1-SC															
213	32705	Stage 1			S3															
214	32706	Architecture review (name changed from "Stage2")			S2															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
216	2538	Interaction with other features	NA	S1																
217	2539	Access to Presence information	Rel6	S1	OSA1-PI															
218	2540	Access to User Profile	Rel6	S1	OSA1-UP															
219	2541	Policy Management	Rel6	S1	OSA1-PM															
220	15010	Rel-6 OSA enhancements	Rel6	S1	OSA3															
221	15011	Support of a Generic Network Interface Function (Stage 1)		S1																
222	15023	Support of a Generic Network Interface Function (Stage 3)		N5																
223	15016	User Data Management / User data security management (Stag		S1																
224	15022	User Data Management / User data security management (Stag		N5																
225	15024	Retrieval of Visited Network capabilities		N5																
226	15025	Access to IP Session information		N5																
227	15026	Multi Media Messaging function		N5																
228	15027	Enhanced user privacy in LCS		N5																
229	15028	Policy management extensions		N5																
230	15029	Presence and Availability Management (from the PRESNC WI)		N5																
231	15030	Information Services		N5																
232	15031	Information Transfer		N5																
233	15017	Security		S3																
234	1433	Retrieval of Terminal capabilities	Rel6	S2	OSA1-TC															
235	1434	Stage 1		S1																
236	1436	Stages 2 and 3		N5																
237	2122	Provisioning of the terminal capabilities		T2																
238	32033	Handling of early UEs	Rel6	S2	LATE_UE															
239	32031	Feasibility Study		S2																
240	32032	Stage 2		S2																
241	50401	Addition of frequency bands to GSM	Rel6	GP	TAPS															
242	51101	Single Antenna Receiver Interference Cancellation (SAIC)	Rel6	G1	SAIC															
243	51102	Changes to core specs		G1																
244	54102	Addition of frequency bands to GSM – Changes for conformanc		G4	TAPS-Con															
245	54103	51.010-1 Add testing		G4																
246	50130	Seamless support of streaming services in A/Gb mode	Rel6	GP	SSSStrea															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	
247	51131	Identification of requirements for streaming																		
248	51132	Performance study of cell change mechanisms																		
249	52131	Reduction of service interruption times and packet loss during																		
250	54131	MS conformance testing																		
251	33013	GERAN A/Gb mode security enhancements																		
252	34300	Performance characterisation of default codecs for PS conv	Rel6	S4	CODCAR															
253	31029	Study of Feature Interactions Requirements	Rel6	S1	FINTER															
254	31030	Study on Privacy Capability	Rel6	S1	PrivCap															
255	35010	Rel-6 OAM&P	Rel6	S5	OAM															
256	35011	Rel6 Principles, high level Requirements and Architecture		S5	OAM-AR															
257	35012	Rel6 Performance Management		S5	OAM-PM															
258	35013	Rel6 User Equipment Management		S5	OAM-UEM															
259	35020	UEM requirements and architecture; Stages 1 and 2		S5																
260	35021	UEM protocol specification; Stage 3		T2																
261	33014	Release 6 User Equipment Management: Security aspects		S3	OAM-UEM-															
262	35014	Rel6 Network Infrastructure Management		S5	OAM-NIM															
263	35015	Rel6 Trace Management		S5	OEM-Trace															
264	35016	Charging Management	Rel6	S5	CH															
265	35017	Charging Management for Bearer level		S5	CH-BC															
266	35018	Charging Management for the IMS		S5	CH-IC															
267	35019	Charging Management for the Service domain		S5	CH-SC															
268	32030	Overall architectural aspects of IP flow based bearer level cha		S2																
269	43004	Rel-6 USIM toolkit enhancements	NA	T3																
270	502031	C SIM API	Rel6	T3	USAT1-AP															
271	502032	Specification		T3																
272	502033	Test specification		T3																
273	0	----- Rel-4 features listed below -----	Rel4																	
274	1861	Miscellaneous UE Conformance Testing Activities	NA	T1	MISTST1															
275	1862	Optimisation of Test Time, RF Aspects (FDD)	el Indep	T1	MISTST1-O															
276	1863	Optimisation of Test Time, RF Aspects (TDD)	el Indep	T1	MISTST1-O															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
278	2564	Extension to R99 Test cases - TTCN																		
279	2565	Creation of R99 TCs for TDD - prose																		
280	2566	Creation of R99 TCs for TDD - TTCN																		
281	1908	Review all other work items for impact on new or exiting 34 ser																		
282	1340	Facsimile		Rel4	S1	FAX														
283	1341	Real Time Fax			S2	FAX-RT														
284	1808	Terminal capabilities, AT commands			T2															
285	1343	Signalling aspects (e.g. ICM)			N1															
286	1648	Service provision			N3															
287	1345	Review whether service/stage 1 aspects need to be aligned			S1															
288	1346	Review whether architecture/stage 2 aspects need to be aligned			S2															
289	1539	Transparent End-to-End PS mobile streaming application		Rel4	S4	PSTREAM														
290	1818	Multimedia Messaging		Rel4	T2	MMS														
291	136	Definition of service requirements			S1	MMS														
292	1819	Review of definition of service requirements			T2															
293	1820	Technical Realisation			T2															
294	1821	Review of definition of reference Achitecture model			T2															
295	1822	"Fulfill Requirements of Stage 1"			T2															
296	1823	Definition of MMS primitives in Stage 2			T2															
297	1541	Transcoder-Free Operation		Rel4	N4	TrFO														
298	112	OoBTC solution			N4	TRFO-OOE														
299	1512	implementation in UTRAN			R3	TRFO-OOE														
300	896	Impact on architecture, Principles and Terminology			S2															
301	1657	Codec Negotiation between UE and MSC			N1															
302	115	Codec Negotiation inter MSC			N4															
303	894	Bearer establishment inter MSC			N4															
304	905	Speech Transcoder: Location and Control at the UMTS Core Ne			S2	TRFO-STL														
305	124	Transcoder at Edge			NP															
306	2310	GERAN improvements 1 (Gb over IP)		Rel4	GP	GEIMP1														
307	2311	Gb over IP (Ip-fication of Gb)			GP	GbIP														

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr	
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan	
309	2313	Changes to 08.16, 08.18																				
310	2314	GERAN improvements 2 (NACC)		Rel4	GP	GEIMP2	◆															
311	2315	Gb enhancements			GP	Gben																
312	2316	Intra BSC NACC (Network Assisted Cell Change)			GP																	
313	2420	Concept			GP																	
314	2317	Changes in 03.64			GP																	
315	2318	Changes in 04.60			GP																	
316	2319	Changes in 44.008			GP																	
317	0	Start Testing																				
318	50030	MS conformance test for Intra BSC NACC			GP	GEIMP2-M	◆															
319	50099	Changes in 51.010			5;G4		■															
320	2324	GERAN improvements 4 (Delayed TBF)		Rel4	GP	GEIMP4																
321	2325	Gb enhancements 2			GP	GEIMP4-G																
322	2429	stage 2			GP																	
323	2421	Stage 3 (changes in 44.060)			G2																	
324	2327	Definition of enhanced countdown procedure			G2																	
325	2328	Definition of enhanced TBF release procedure			G2																	
326	2329	Definition of USF=FREE type polling mechanism on PDCH			G2																	
327	1222	Low Chip Rate TDD option		Rel4	R1	LCRTDD	◆															
328	1223	Physical layer			R1	LCRTDD-P																
329	1224	Layer 2 and layer 3 protocol aspects			R2	LCRTDD-L																
330	1225	RF radio transmission/reception, system performance requirem			R4	LCRTDD-RI																
331	1227	UE radio access capability			R2	LCRTDD-UI																
332	1228	Iub/Iur protocol aspects			R3	LCRTDD-Iu																
333	2262	Low chiprate TDD interworking with GERAN																				
334	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD																				
335	1911	Start Testing			VLST																	
336	2103	Conformance Test Aspects - Low Chip Rate TDD			T1		◆															
337	2217	Testing Layer 2 and layer 3 protocol aspects			T1		■															
338	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN			T1		■															
339	2218	Testing RF Radio Transmission and Reception			T1		■															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
340	1322	Enable bearer independent CS architecture	Rel4	S2	CSSPLIT															
341	1323	Enable bearer-independent call control		N4																
342	1516	Architecture and Stage 2 description		S2																
343	1325	Standardisation of protocols (control & user planes) over Nb interface		N3																
344	1326	Standardisation of protocols over reference points between MSC server and		N4																
345	1616	Standardisation of detailed stage 2 description		N4																
346	1327	Bearer control between MSC server and MGW		N4																
347	1328	stage 3 - protocol issues		N4																
348	1329	stage 3 - parameter value issues		N3																
349	1331	Lawful interception		S3																
350	1918	Start Testing		VLST																
351	2052	Conformance Test Aspects - Enable bearer independent CS arc		T1	CSSPLIT-TI															
352	1445	MExE enhancements Rel-4	Rel4	T2	MEXE															
353	1447	MExE Security Analysis Activity		S3	MEXE-SEC															
354	2045	Stage 3		S3	MEXE1-SEC															
355	1448	Terminal aspects		T2																
356	1810	MExE Rel4 Improvements and Investigations		T2	MEXE-ENH															
357	1812	3rd MExE classmark		T2																
358	1814	FS on Secure download mechanism and capabilities to support SDR concepts		T2																
359	1815	FS on Support of MP3/MPEG4 content		T2																
360	41003	Conformance testing of MExE capability (Feasibility study)	Rel4	T1																
361	1631	Tandem Free aspects for 3G and between 2G and 3G system	Rel4	S4	TFO															
362	1632	Tandem Free AMR		S4	TFO-AMR															
363	130	Specification		S4																
364	907	Impact on:		NP																
365	131	CN		NP																
366	132	GERAN		GP																
367	2230	Advanced Speech Call Items enhancements_REL-4	Rel4	N1	ASCI															
368	2232	Stage 2		N4																
369	2231	Stages 2 and 3 on A interface		N1																

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr		
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan		
371	2404	GERAN support for the 700 MHz band																					
372	2405	Signalling support																					
373	2406	Physical layer definitions																					
374	2407	Receiver performance and RF budget																					
375	2408	GERAN MS Conformance test for 700 MHz band																					
376	2409	MS test																					
377	2410	GERAN BTS Conformance test for 700 MHz band																					
378	2411	BTS test																					
379	2463	Operator Determined Barring for Packet Oriented Services	Rel4	NP	ODB																		
380	2546	UMTS QoS Architecture for PS Domain	Rel4	S2	QoS SPS																		
381	2548	Architecture																					
382	2550	Charging and OAM&P for QoS Management		S5	QoS SPS-OA																		
383	1681	RAB Quality of Service (re)Negotiation over Iu		R3	QoS SPS-MA																		
384	1991	RAB Quality of Service Negotiation over Iu		R3	QoS SPS-MA																		
385	2456	RAB Quality of Service Negotiation over Iu during relocation		R3	QoS SPS-MA																		
386	1992	RAB Quality of Service Re-Negotiation over Iu		R3	QoS SPS-MA																		
387	1553	GERAN QoS Aspects - Handovers: maintenance of real-time QoS		GP	GERQoS																		
388	2306	Handover Concept for the PS domain		GP																			
389	2309	Stable RT handover report 25.936 including header removal		GP																			
390	2307	Update of stage 2		GP																			
391	2308	Update of relevant stage 3 specs -> RRC		G2																			
392	50010	GERAN MS Conformance test for inter-system and intra-system		4;R3	GERQoS-I																		
393	50011	Handover for the PS domain		4;R3																			
394	50012	Stable RT handover report 25.936 including header removal		4;R3																			
395	50013	Update of stage 2		4;R3																			
396	50014	Update of relevant stage 3 specs		4;R3																			
397	1685	PS-domain handover for real-time services		R3	QoS SPS-PS																		
398	2554	RAB QoS Renegotiation at Relocation		R3																			
399	1993	small Technical Enhancements and Improvements for Rel4	Rel4	neric	TE4																		
400	400002	Rel-4 Evolutions of the transport in the UTRAN	NA	RP	ETRAN																		
401	12	QoS optimisation for AAL2 connections over Iub and Iur interfa	Rel4	R3	ETRAN-Qo																		

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
402	1995	Transport bearer modification procedure on lub, lur, and lu	Rel4	R3	ETRAN-Mig															
403	401834	Conformance Test Aspects of Rel-4 evolutions of the transport i			T1															
404	2208	Testing RAB support enhancements			T1															
405	400004	Rel-4 Evolutions of the transport in the CN	NA	N4	CNTRSP															
406	859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel4	N4	SS7IP															
407	1679	Stage 3			N4															
408	2018	CAP			N2															
409	2019	MAP			N4															
410	2253	BSSAP+			N1	SS7IP-BSS														
411	1513	FS on Transport and control separation in the PS CN domain	Rel4	S2																
412	1615	Architectural impacts			S2															
413	401216	Rel-4 Improvements of Radio Interface	NA	RP	RInImp															
414	1509	UTRA repeater specification (master)	Rel4	R4	RInImp-REF															
415	1994	DSCH power control improvement in soft handover	Rel4	R1	RInImp-DSCH															
416	1996	UMTS 1800	el indep	R4	RInImp-UMT															
417	2467	UMTS 1900	el indep	R4	RInImp-UMT															
418	1219	FS on High Speed downlink packet access			R2	RInImp-HSC														
419	1510	FS on improved common DL channel for Cell-FACH state			R2	RInImp-DLC														
420	401839	Conformance Test Spec. Rel-4 improvements in Radio Interfac			T1															
421	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicate			T1															
422	2213	Testing Terminal Power saving features			T1															
423	2214	Testing DSCH power control improvement in soft handover	Rel4		T1															
424	2215	Testing UMTS 1800	el indep		T1															
425	41000	Testing UMTS 1900	el indep		T1															
426	2561	Testing UMTS 1800 - TTCN	el indep		T1															
427	41001	Testing UMTS 1900 - TTCN	el indep		T1															
428	400009	Rel-4 RAN improvements	NA	RP	RANimp															
429	655	Node B synchronisation for TDD	Rel4	R1	RANimp-NI															
430	2206	RAB support enhancement for Rel-4	Rel4	R2	RANimp-R/															
431	401912	Start Testing			VLST															
432	402102	Conformance Test Aspects - Rel-4 RAN Improvements			T1															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
433	402222	Testing Radio access bearer support enhancements		T1																
434	402461	Testing RAB support enhancements-Robust Header Compression	Rel4	T1	RABimp-Rc															
435	41006	Testing RAB support enhancements-Robust Header Compression - TTCN	Rel4	T1																
436	41007	Testing of Extended Robut Header Compression	Rel4	T1	Ext-RoHC															
437	41008	Testing of Extended Robut Header Compression - TTCN	Rel4	T1																
438	401652	Rel-4 Emergency call enhancements	NA	N1	EMC1															
439	1654	For CS based calls	Rel4	N1	EMC1-CS															
440	1320	Distinction in CS domain of emergency call types to different emergency servi		S1																
441	1999	Distinction in CS domain of emergency calls to different emergency types		N1																
442	402224	Conformance Test Aspects - Emergency call enhancements		T1																
443	2226	Testing CS based emergency calls		T1																
444	2563	Testing CS based emergency calls - TTCN		T1																
445	401826	Rel-4 Terminal interfaces	NA	T2	TI															
446	1827	AT commands enhancements	Rel4	T2	TI-ATC															
447	1828	Specification of AT commands for new services		T2																
448	1829	Wide Area Data Synchronisation	NA	T2	TI-WADS															
449	1830	Continues evolution of Synchronisation protocol	Rel4	T2	TI-SYNC-E															
450	1832	Terminal local model	Rel4	T2	TLM															
451	401536	Rel-4 Location Services enhancements	NA	S2	LCS1															
452	2229	CBS interactions	Rel4	T2	LCS1-CBS															
453	523	LCS support in the CS domain	Rel4	S2	LCS1-CS															
454	525	LCS support in the PS domain	Rel4	S2	LCS1-PS															
455	1642	Stage 1		S1																
456	1181	Stage 2		S2																
457	1180	Stage 3		N1																
458	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)		N1																
459	2462	MAP impacts of LCS		N4																
460	527	GTP signaling for LCS		N4																
461	401600	UE positioning Rel-4	NA	RP	LCS1-UEp															
462	1601	lub/lur interfaces for methods Rel 99	Rel4	R3	LCS1-UEpc															
463	1602	UE positioning enhancements - IPDL for TDD	Rel4	R2	LCS1-UEpc															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr	
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan	
464	401560	Rel-4 UICC/(U)SIM enhancements and interworking	NA	T3	UICC1																	
465	1799	Common PCN Handset Specification (CPHS)	Rel4	T3	UICC1-CPH																	
466	401800	Rel-4 (U)SIM toolkit enhancements	NA	T3	USAT1																	
467	2034	USAT local link	Rel4	T3	USAT1-Loc																	
468	401571	Rel-4 Security enhancements	NA	S3	SEC1																	
469	1587	Evolution of GSM CS algorithms (e.g. A5/3 development and de	Rel4	S3	SEC1-CSA																	
470	1588	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	Rel4	S3	SEC1-PSA																	
471	1589	Main aspects		S3																		
472	1618	Impact on GTP		N4																		
473	1661	GEA capability indication in MS CM		N1	SEC1-PSA																	
474	401583	MAP application layer security	Rel4	S3	SEC1-MAF																	
475	401584	Main aspects		S3																		
476	402025	Other stage 3 aspects		N4																		
477	401594	CHECK STATUS - Visibility and Configurability of security	Rel5	S3	SEC1-VCS																	
478	401142	Rel-4 Charging and OAM&P	NA	S5	OAM																	
479	2089	Rel4 Principles, high level Requirements and Architecture	Rel4	S5	OAM-AR/PI																	
480	2088	Rel4 Performance Management	Rel4	S5																		
481	2081	Fault Management	Rel4	S5																		
482	2082	Configuration Management	Rel4	S5	OAM-CM																	
483	2083	Rel4 Charging Management	Rel4	S5	OAM-CH																	
484	2071	UTRAN Operations and Maintenance procedures	Rel4	S5	UOAM																	
485	1517	Global Text Telephony	I Indep	S2	GTT																	
486	1634	Stage 1		S1																		
487	1519	Stage 2		S2																		
488	2234	Specification of Cellular Text telephone Modem		S4	GTT-CTM																	
489	2238	General description and C-code		S4																		
490	2237	Minimum Performance requirements		S4																		
491	1915	Start Testing		vLST																		
492	1852	Conformance Test Aspects - Global Text telephony		T1																		
493	34021	Enhanced Tandem Free Operation	Rel6	S4	eTFO																	

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
495	34023	AMR-WB extension for high audio quality	Rel6	S4	AMRWB+															
496	0	----- Rel-5 features listed below -----	Rel5																	
497	625	IP transport in the UTRAN	Rel5	R3	ETRAN-IPtr															
498	2455	FS on Usage of SUA	Rel5	N4	SS7IP															
499	2476	High Speed Downlink Packet Access	Rel5	R2	HSDPA															
500	2477	Physical Layer		R1	HSDPA-Ph															
501	2478	Layer 2 and 3 aspects		R2	HSDPA-L2:															
502	2479	Iub/Iur protocol aspects		R3	HSDPA-Iub															
503	2480	RF Radio Transmission/ Reception, System Performance Requi		R4	HSDPA-RF															
504	501216	Rel-5 Improvements of Radio Interface	NA	RP	RInImp															
505	1471	Base station classification	Rel5	R4	RInImp-BSt															
506	1477	TDD Base station classification		R4	RInImp-BSt															
507	24002	Base Station Classification for 1.28 Mcps TDD option		R4	RInImp-BSt															
508	2469	Enhancement on the DSCH hard split mode	Rel5	R1	RInImp-DSCh															
509	1217	Hybrid ARQ II/III	Rel5	R2	RInImp-HARQ															
510	1221	FS on USTS	Rel5	R1	RInImp-USTS															
511	1997	FS on UE antenna efficiency test method performance requirem	Rel5	R4	RInImp-UEA															
512	2494	FS on the re-introduction of the downlink SIR measurement	Rel5	R4	RInImp-SIR															
513	2493	FS on mitigating the effect of CPICH interference at the UE	Rel5	R4	RInImp-CPICH															
514	1839	Conformance Test Spec. improvements in Radio Interface		T1																
515	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	T1																
516	2211	Testing Hybrid ARQ II/III	Rel5	T1																
517	500009	Rel-5 RAN improvements	NA	RP	RANimp															
518	656	RRM optimization for Iur and Iub	Rel5	R3	RANimp-R															
519	23000	Iur common transport channel efficiency optimisation		R3	RANimp-Rf															
520	23001	Iur neighbouring cell reporting efficiency optimisation		R3	RANimp-Rf															
521	23002	FS Introduction of direct transport bearers between SRNC and Node-B		R3	RAN-imp-R															
522	2488	RL Timing Adjustment	Rel5	R3	RANimp-RL															
523	2489	Separation of resource reservation and radio link activation	Rel5	R3	RANimp-Se															
524	23003	FS SRNS Relocation Procedure Enhancement	Rel5	R3	RANimp-SR															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
526	2491	Re-arrangements of lub transport bearers	Rel5	R3	RANimp-TT															
527	22000	RAB support enhancement for Rel-5	Rel5	R2	RANimp-R/															
528	21001	Beamforming requirements for UE	Rel5	R1	RANimp-BF															
529	21002	Support of Site Selection Diversity Transmission in UTRAN	Rel5	R1	RANimp-SE															
530	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	R1	RANimp-NE															
531	1912	Start Testing		vLST																
532	2102	Conformance Test Aspects - RAN Improvements		T1																
533	2222	Testing Radio access bearer support enhancements		T1																
534	23004	UTRAN Sharing in Connected Mode	Rel5	R3	NETSHARE															
535	1273	Provisioning of IP-based multimedia services	NA	S1	IMS	◆														
536	1274	Call control and roaming to support IMS in UMTS	Rel5	S2	IMS-CCR															
537	1633	Stage 1		S1																
538	1514	Stage 2 (Architecture and Main flows)		S2																
539	1296	Impact on MM/CC/SM		N1	IMS-CCR-IV															
540	2233	SIP Call Control protocol for the IMS		N1																
541	1998	IMS signalling flows		N1																
542	1278	IMS stage 3		N1																
543	2255	IMS Session Handling; stage 2		N1																
544	10004	Main IETF dependencies		NP																
545	2521	IETF: draft-ietf-sip-rfc2543bis (Session Initiation Protocol)		N1																
546	2523	IETF: draft-sip-100rel		N1																
547	2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration of re		N1																
548	2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity and priv		N1																
549	2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authorization)		N1																
550	11000	IETF: draft-ietf-sip-events (specific event notification)		N1																
551	11001	IETF: draft-ietf-sip-refer (refer method)		N1																
552	11002	IETF: draft-ietf-dhc-dhcpv6 (DHCP options for SIP servers)		N1																
553	11003	IETF: draft-ietf-sip-replaces (SIP replaces header)		N1																
554	11004	IETF: draft-ietf-avt-rtp-amr (AMR and AMR WB RTP and SDP)		N1																
555	11005	IETF: draft-ietf-mmusic-sdp-new (IPv6 support within SDP)		N1																
556	11022	IETF: draft-ietf-sip-update		N1																

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
557	11023	IETF: draft-jennings-sipping-nai (Network Asserted Identity)			N1															
558	11024	IETF: p-header drafts for 3GPP (Various 3GPP dependencies)			N1															
559	1290	Addressing			S2															
560	1291	Architectural issues			S2															
561	1292	Impact on HSS			N4															
562	2530	Service Examples			S1	IMS-Sex														
563	2531	IMS Framework Report			S1	IMS-FrWk														
564	1298	Access Security for IMS		Rel5	S3	IMS-ASEC														
565	33000	SA3 task			S3															
566	43000	IMS impacts on UICC (ISIM application)			T3															
567	11014	SIP extensions for Integrity protection			N1															
568	2574	Security Aspects of Requirement for Network Configuration Ind		Rel5	S3	SEC1-NCI														
569	1299	Lawful interception		Rel5	S3	IMS-LI														
570	35007	Charging and OAM&P for IMS		Rel5	S5	IMS-OAM														
571	2036	Multimedia codecs and protocols for conversational PS service		Rel5	S4	IMS-CODE														
572	2039	Codecs			S4															
573	34020	Transport protocols		Rel5	S4	IMS-CODEC														
574	34006	recommendation for QoS parameter values for various media types			S4															
575	11025	IETF: draft-ietf-sip-digest-aka			N1															
576	11026	IETF: draft-ietf-sip-sec-agree			N1															
577	32003	SIP message compression		Rel5	S2															
578	32004	Stage 2			S2															
579	11015	Compression signalling			N1															
580	10001	Stage 3 description of IMS interfaces		Rel5	NP															
581	1286	Cx interface (HSS to CSCF)			N4															
582	14997	Mp interface (MRFC - MRFP) enhancements			N4															
583	11016	Mw interface (CSCF to P-CSCF)			N1															
584	11018	Mr interface (CSCF to MRF)			N1															
585	14003	Dx interface (I-CSCF to SLF)			N4															
586	13001	Go interface (GGSN to PCF)			N3															
587	11019	ISC (IMS Service Control) Interface			N1															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr	
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan	
588	14006	Sh interface (HSS to AS)																				
589	14998	Si interface (HSS to IM-SSF)																				
590	11020	Gm interface (UE to CSCF)																				
591	11027	Mi interface (CSCF to BGCF)																				
592	11028	Mj interface (BGCF to MGCF)																				
593	11029	Mk interface (BGCF to BGCF)																				
594	1310	Support of VHE/OSA by entities and protocols of the IMS (e.g. C	Rel5	N5	IMS-ONOS,																	
595	12000	CAMEL control of IMS services	Rel5	N2	IMS-CAME																	
596	12001	Stage2 work 'general'																				
597	12002	Stage3 work 'CAP'																				
598	12003	Stage2 work 'Si interface'																				
599	12004	Stage3 work 'Si interface'																				
600	14004	SDM issues for CAMEL control of IMS																				
601	31002	Pre-pay/real-time charging in IMS	TBD	S1																		
602	35005	Charging	Rel5	S5	OAM-CH																	
603	32006	Charging Implications of IMS architecture																				
604	35006	Charging management for IMS (off-line & on-line)	Rel5	S5	OAM-CH																	
605	10002	Other IETF dependencies	Rel5	NP																		
606	11011	IETF: draft-ietf-aaa-diameter - should be CN4																				
607	11999	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4																				
608	1913	Start Testing	Rel5	VLST																		
609	1844	Conformance Test Aspects - Provisioning of IMS		T1	IMS-TEST																	
610	41004	Testing of support for IMS - prose	Rel5	T1																		
611	41005	Testing of support for IMS - TTCN	Rel5	T1																		
612	34001	Extended Transparent End-to-End PS Streaming Service	Rel5	S4	PSS-E																	
613	34002	Stage 1		S1																		
614	31032	Interaction with other services		S1																		
615	34003	Stage 2 (version Rel5 of TS 26.234)		S4																		
616	34019	RTP usage model		S4																		
617	501637	Rel-5 OSA enhancements	NA	S1	OSA1																	
618	32010	General Stage 2 for Rel5		S2																		

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
619	1429	OSA APIs for Multimedia Call Control	Rel5	S2	OSA1-CSC															
620	1430	Stage 1		S1																
621	15002	(Multimedia) Call Control - Stages 2 and 3		N5																
622	15003	Generic user interaction - Stage 3	Rel5	N5																
623	15004	Charging - Stage 3	Rel5	N5																
624	15007	Call Control Service Mapping; Multiparty Call Control SIP - Sta	Rel5	N5																
625	15999	WSDL APIs for SOAP/HTTP - Stage 3	Rel5	N5																
626	1419	OSA security	Rel5	S3	OSA1-SEC															
627	2121	Stage 1		S1																
628	1421	Stage 3		S3																
629	1422	security related SCF(s) definition		N5																
630	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR		S3																
631	401424	Interactions OSA - e-commerce	Rel5	S2	OSA1-ECC															
632	1425	Stage 1		S1																
633	1529	Stages 2 and 3		N5																
634	15005	Policy Management - Stage 3	Rel5	N5																
635	15006	Presence and Availability Management (PAM) - Stage 3	Rel5	N5																
636	1786	CHECK STATUS - LCS - OSA interfaces	Rel5	S1	OSA1-LCS															
637	1787	Stage 1		S1																
638	2124	Stage 2		S2																
639	1788	Stage 3		N5																
640	1638	CAMEL phase 4	Rel5	S1	CAMEL4															
641	1461	Service requirements		S1																
642	2012	Call Party Handling		N2	CAMEL4-CI															
643	2013	Mid call procedure for MO and MT calls		N2	CAMEL4-MI															
644	2014	Interactions with Optimal Routing		N2	CAMEL4-IC															
645	2015	Inclusion of flexible tone injection		N2	CAMEL4-IF															
646	2016	CSE control over MT SMS		N2	CAMEL4-CI															
647	2460	Notification of GPRS mobility management to CSE		N2	CAMEL4-NI															
648	2458	Provision of location information of called subscriber		N2	CAMEL4-LC															
649	2514	Inclusion of ODB data in the CSE_HLR interface		N2	CAMEL4-OI															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
650	2515	Location information during an ongoing call (Handover DP)		N2	CAMEL4-H															
651	2516	GPRS Any Time Interrogation		N2	CAMEL4-A															
652	2599	Transfer of IMEI (with SW version) to CSE		N2	CAMEL4-A															
653	12005	Handling of partial implementations of CAMEL4		N2	CAMEL4-SI															
654	2464	Rel-5 MExE enhancements	Rel5	T2	MEXE5															
655	2466	MExE Rel-5 Improvements and Investigations		T2	MEXE5-ENI															
656	1625	Wideband Telephony Service - AMR	Rel5	S4	AMRWB															
657	62	Specification		S4																
658	31005	Stage 1		S1																
659	32007	Stage 2		S4																
660	1459	Design Constraints		S4																
661	1460	General Description		S4																
662	1626	Feasibility Study		S4																
663	1656	N1 Aspects		N1																
664	14005	N4 work		N4																
665	67	Codec issues		S4																
666	1627	Codec qualification		S4																
667	74	Codec selection tests		S4																
668	891	Codec selection		S4																
669	34007	TFO AMR-WB		S4	AMRWB-TF															
670	890	Other codec issues (verif., characterisation)		S4																
671	34008	AMR-WB and narrowband interworking		S4	AMRWB-IV															
672	34009	Interworking with fixed broadband networks		S4																
673	34010	Tones and announcements		S4																
674	34011	WB Conferencing and WB Voice Group calls		S1																
675	34012	Billing, accounting and call detail record aspects	Rel5	S5																
676	1989	Start Testing		VLST																
677	1855	Conformance tests (CRs to 34 series)		T1																
678	76	Terminal Acoustic Characteristics		S4																
679	1628	Definition		S4																
680	1629	Test specification		S4																

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan
681	34004	Floating-point ANSI-C code for the AMR-WB speech codec			S4	AMRWB-FI														
682	80	Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR			GP	GAMRWB														
683	50098	Channel coding in 45.003			GP															
684	2266	Signalling for the A interface			GP															
685	2267	Signalling for lu			GP															
686	2268	Receiver performance in TS 45.005			GP															
687	50000	Link Adaptation in 45.009			GP															
688	2269	GERAN MS conformance test for AMR-WB			GP															
689	2270	MS test			GP															
690	2271	GERAN BTS conformance test for AMR-WB			GP															
691	2272	BTS test			GP															
692	2573	Terminal local model enhancements	Rel5	T2	TLM5															
693	1536	Rel-5 Location Services enhancements	Rel5	S2	LCS1															
694	1600	UE positioning		NA	RP	LCS1-UEp														
695	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	R2	LCS-128Pc															
696	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	Rel5	R2	LCS-INTF															
697	1171	Event based and Periodic LCS	Rel5	S1	LCS1-EBP															
698	1641	Stage 1			S1															
699	1538	Stage 2 specification			S2															
700	1179	Impact on MAP			N4															
701	2436	Location Services for GERAN in A/Gb Mode	Rel5	GP	LCS-GERA															
702	2437	GERAN LCS Stage 2 (first release)			i1;G2															
703	2438	Gb interface support for LCS			GP															
704	2440	L3 protocol support for LCS			GP															
705	2441	Stage 3 specifications			GP															
706	2442	Location Services for GERAN in lu Mode	Rel5	GP																
707	2443	GERAN LCS Stage 2			i1;G2															
708	2444	lu-ps interface support for LCS			i1;G2															
709	2445	lu-cs interface support for LCS			i1;G2															
710	2446	lur-g interface support for LCS			i1;G2															
711	2447	RRC protocol support for LCS			i1;G2															

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
712	2448	Additional impacts on Broadcast of LCS data on packet channels		i1;G2																
713	2449	Stage 3 specifications		i1;G2																
714	50068	GERAN MS Conformance test for LCS		GP	LCS-GERA															
715	55069	Develop LCS MS test case work plan (Release 98/99/4)		i4;G5																
716	55070	Develop LCS MS test cases		i4;G5																
717	50069	GERAN BTS Conformance test for LCS		GP	LCS-GERA															
718	55071	Develop LCS BTS test case work plan (Release 98/99/4)		i4;G5																
719	55072	Develop LCS BTS test cases		i4;G5																
720	544	LCS interoperation stage 2 aspects		S2																
721	2434	LCS interoperability aspects to GERAN	Rel5	GP	LCS-GERA															
722	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GER		i2;G1	LCS-GERA															
723	1183	FS on LCS support in the IMS		S1																
724	35008	Charging and OAM&P for LCS enhancements	Rel5	S5	LCS1-OAM															
725	521	New security aspects of LCS (not identified)	Rel5	S3	LCS1-SEC															
726	32011	Specification for the Le Interface	Rel5	S2	LCS1-Le															
727	32022	CHECK STATUS - Inter-GMLC interface		S2																
728	501571	Rel-5 Security enhancements	NA	S3	SEC1															
729	1576	Network domain security	Rel5	S3	SEC1-NDS															
730	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by		S3																
731	1578	Main aspects		S3																
732	1579	Integration of GTP signalling security architecture		N4																
733	1580	User plane protection in core network (e.g., provided by IPsec)		S3																
734	1581	Main aspects		S3																
735	1582	Integration of GTP signalling security architecture		N4																
736	2576	IP network layer security (NDS/IP)		S3	SEC1-NDS-															
737	2243	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	Rel5	S2	IUFLEX															
738	2244	Overall System Architecture		S2																
739	20000	Stage 3: RAN node selecting CN node		R3																
740	2248	N1 work		N1																
741	2249	N4 work		N4																
742	50067	GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes	Rel5	GP	IDCRAN-G															

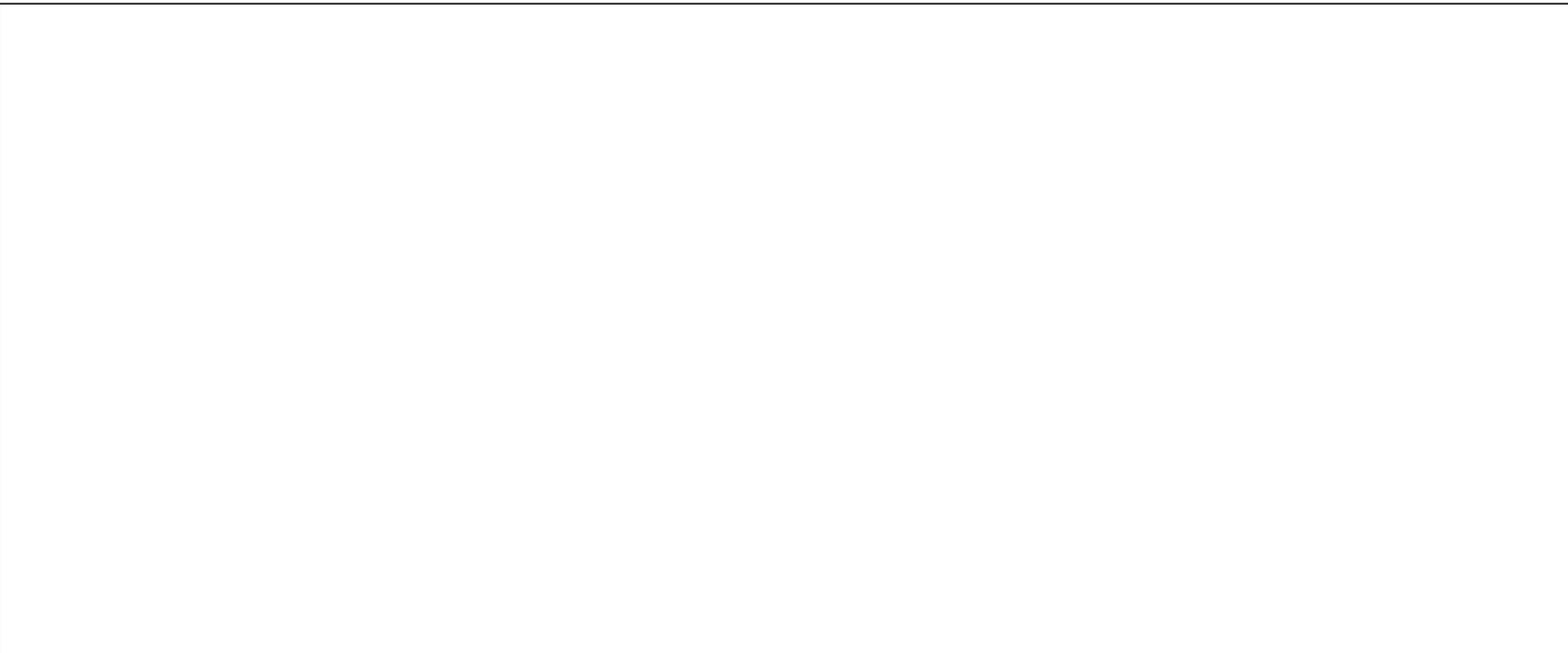
ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
743	51068	Stage 2 (changes to)																		
744	51069	43.051 Introduction of support for IDNNS in GERAN lu mode																		
745	52070	Stage 3 (changes to)																		
746	52077	48.016 Use of Gb interface concepts when a network applies IDNNS																		
747	52078	48.018 Include MSC/VLR identity in CS IMSI paging																		
748	2320	GERAN improvements 3 (new transport layer on interface A)	Rel5	GP	GEIMP3															
749	2321	Evolution of the transport for A		GP	GEIMP3-EI															
750	2322	Definition of a new A/Ater interface Transport Layer option based on the lu In			GP															
751	2323	Adaptation of the Layer 3 BSSMAP procedures as required			GP															
752	501142	Rel-5 Charging and OAM&P	NA	S5	OAM															
753	35002	Rel5 Principles, high level Requirements and Architecture	Rel5	S5	OAM-AR/PI															
754	35003	Rel5 Performance Management	Rel5	S5	OAM-PM															
755	35004	Rel5 Charging Management	Rel5	S5	OAM-CH															
756	35001	Rel5 Network Infrastructure Management	Rel5	S5	OAM-NIM															
757	2392	GERAN enhancements for streaming services 1 (RLC enhar	Rel5	GP																
758	2394	Concept			GP															
759	2395	RLC protocol enhancement (SDU Discard)			GP															
760	2396	GERAN enhancements for streaming services 2 (usage of E	Rel5	GP																
761	2398	Usage of ECSD Concept			GP															
762	2399	Stage 2			GP															
763	2400	Stage 3			GP															
764	2401	RLC PDU formats			GP															
765	2402	MAC header			GP															
766	2412	GERAN/UTRAN interface evolution 1 (evolution of lu PS)	Rel5	P;R3	GERUEV1															
767	2413	Evolution of lu ps		P;R3	GERUEV1-															
768	2414	Identification of GERAN requirements on lu ps		P;R3																
769	2415	Update of specifications		P;R3																
770	2416	GERAN/UTRAN interface evolution 2 (evolution of lu CS)	Rel5	P;R3	GERUEV2															
771	2417	Evolution of lu cs		P;R3	GERUEV2-															
772	2418	Identification of GERAN requirements on lu cs		P;R3																

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
774	2556	End to End QoS for PS Domain including IMS	Rel5	S2	E2EQoS															
775	2557	E2E QoS Concept and Architecture		S2																
776	2558	E2E QoS interworking		N3	E2EQoS-IV															
777	2559	QoS Management (Provisioning and Monitoring)	Rel5	S5	E2EQoS-O															
778	2569	Messaging enhancements Rel-5	Rel5	T2	MESS5															
779	2571	Multimedia Messaging (MMS) enhancements		T2	MESS5-MI															
780	31000	Definition of service requirements	Rel5	S1	MESS5-SR															
781	42000	Technical realization		T2																
782	42008	WAP Forum dependency: MM1 stage 3		T2																
783	34018	MMS formats and codecs		S4																
784	2572	Enhanced Messaging Service (EMS) enhancements		T2	MESS5-EM															
785	31001	Definition of service requirements		S1																
786	42001	Technical realization		T2																
787	50001	GERAN Inter BSC NACC improvements over the Gb Interfac	Rel5	GP	GERNACC															
788	14501	Modification of core network protocols for GERAN Inter BSC NA		I4;S2	GERNACC															
789	32502	Stage 2 - Concept		I4;S2																
790	14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC		I4;S2																
791	14503	Stage 3 (changes to TS 29.060)		N4																
792	50002	Modification of Gb protocols for GERAN Inter BSC NACC over G		GP	GERNACC															
793	50003	Stage 3 (changes to TS 48.018)		GP																
794	50033	Enhanced Power Control	Rel5	GP	EPC															
795	50034	Realization of Enhanced power control and signaling support		GP																
796	50035	GERAN MS Conformance test for Enhanced Power Control		GP																
797	50036	GERAN BTS Conformance test for Enhanced Power Control		GP																
798	50037	8PSK AMR HR	Rel5	GP	8PSK-AH															
799	50038	Definition of channel coding, performance requirements and si		GP																
800	50061	Concept		GP																
801	52004	Changes to 44.018		G2																
802	51025	Changes to 45.001		G1																
803	51026	Changes to 45.002		G1																

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
805	51028	Changes to 45.005																		
806	52005	Changes to 24.008																		
807	52006	Changes to 48.058																		
808	50039	GERAN MS Conformance test for 8PSK HR																		
809	50040	GERAN BTS Conformance test for 8PSK HR																		
810	13000	Service Change and UDI Fallback	Rel5	N3	SCUDIF															
811	501800	Rel-5 USIM toolkit enhancements	NA	T3	USAT1															
812	43002	Test specification for USIM toolkit security mechanims																		
813	1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5	T3	USAT1-Int															
814	2497	Stage 1																		
815	2496	Stage 2 and 3																		
816	2518	Test specification																		
817	501802	(U)SIM API	NA	T3	USAT1-AP															
818	5043001	Java API Test specification																		
819	30001	small Technical Enhancements and Improvements for Rel5	Rel5	neric	TEI5															
820	31013	Technical Report on UE Functionality Split	Rel5	S1	UESPLIT															
821	2520	User Equipment Management	NA	S5	UEM															
822	35000	FS on User Equipment (UE) Management	Rel5	S5	OAM-UEM															
823	50101	Flow control supporting an MS with multiple data flows with	Rel5	GP	FlowCon															
824	50102	Update of stage 2 specifications																		
825	32097	Concept document 23.060 (changes to)																		
826	50103	Flow Control																		
827	50104	Modification of BSSGP protocol																		
828	52095	Stage 3 (changes to 48.018)																		
829	50058	Multiple TBF in A/Gb mode	Rel5	GP	MULTBF															
830	50059	Multiple TBF in A/Gb mode																		
831	50060	Multiple TBF Concept paper																		
832	51001	Multiple TBF Stage 2 (43.064) CRs																		
833	50062	Multiple TBF Stage 3 (44.060) CRs																		
834	50106	Multiple TBF in A/Gb mode – MS testingGP-022098																		

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002		Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec
836	2345	Alignment of 3G functional split and lu	Rel5	GP	GER3GAL															
837	2346	GERAN user / control plane		GP	GER3GAL-															
838	2347	Alignment with UMTS bearer concept		GP																
839	50300	Enhanced power control		GP																
840	2423	Stage 2		GP																
841	2348	Adoption of the UTRAN PDCP		GP																
842	50043	Development of RLC / MAC		GP																
843	50044	Development of GERAN RRC		GP																
844	50045	Ciphering and integrity protection concept paper		GP																
845	50046	Multiple TBF or equivalent Concept paper		GP																
846	50047	Paging concept		GP																
847	50048	Dedicated Physical subchannels, includes traffic and control channels		GP																
848	50049	lu support and broadcast concept		GP																
849	50050	Impact of using RLC instead of LAPDm concept		GP																
850	50051	Contention resolution, mobile station identity, and access concept		GP																
851	50052	PDCP concept		GP																
852	50053	Downlink delayed TBF release		GP																
853	50054	Add transparent RLC Concept		GP																
854	50055	Handover concept		GP																
855	2424	Physical layer alignment with UMTS bearer concept		GP																
856	2356	PDTCH/TCH in 45.003		GP																
857	2357	Control channels in 45.003		GP																
858	2358	Receiver performance in 45.005 for PDTCH/TCH and control channels		GP																
859	2359	lu rg interface		P;RP	GER3GAL															
860	2425	Inter BSS interface		P;RP																
861	2360	Identification of requirements		GP																
862	2361	Stage 2		GP																
863	2362	Adoption of relevant parts from lur		GP																
864	2363	Complementation with GERAN specifics		GP																
865	2364	New stage 3		GP																
866	2426	Inter BSS-RNS interface		P;RP																

ID	Unique_I	Name	Releas	Resc	Acronym	Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003			Qtr 3, 2003			Qtr 4, 2003			Qtr
						Oct	No	Dec	Jan	Fe	Mar	Apr	Ma	Jun	Jul	Au	Se	Oct	No	Dec	Jan
867	2365	Identification of requirements		IP;R3																	
868	2366	Stage 2		IP;R3																	
869	2367	Adoption of relevant parts from Iur		IP;R3																	
870	2368	Complementation with GERAN specifics		IP;R3																	
871	2369	New stage 3		IP;R3																	
872	2370	Voice over GERAN PS and CS concept		P;R3																	
873	2371	Architecture for A, Iu cs and Iu ps		IP;R3																	
874	2372	Transcoder position/operation		GP																	
875	2373	Handover		IP;R3																	
876	2374	RTP payload		IP;R3																	
877	2375	Codec renegotiation concept		IP;R3																	
878	2376	LA		GP																	
879	2388	GERAN MS Conformance test for GERAN interface evolution		GP																	
880	2389	MS test		GP																	
881	2390	GERAN MS Conformance test for GERAN interface evolution		GP																	
882	2391	BSS test		GP																	
883	2330	GERAN support for IMS	Rel5	GP	GERIMS																
884	2331	GERAN Header adaptation		2;RP	GERIMS-HI																
885	2332	Definition of compression and removal modes for PDCP protocol		2;RP																	
886	2333	Conceptual description in stage 2		2;RP																	
887	2334	Necessary changes on stage 3 regarding header removal		2;RP																	
888	2335	GERAN Radio access bearer design for IMS		2;RP	GERIMS-R/																
889	2422	MuM control signalling for conversational multimedia services		2;RP																	
890	2431	Identification of requirements		2;RP																	
891	2337	Necessary modifications due to SIP		2;RP																	
892	2341	GERAN MS Conformance test for support of IMS		GP	GERIMS-M																
893	2342	MS test		G4																	
894	2343	GERAN BTS Conformance test for support of IMS		GP	GERIMS-B																
895	2344	BTS test		G3																	
896	54001	MS Conformance Testing of Dual Transfer Mode	NA	4;G5	MSCTDTM																



Project: 3GPP_Work Plan
Date: Wed 15/01/03

Critical		Rolled Up Critical Split	
Critical Split		Rolled Up Critical Progress	
Critical Progress		Rolled Up Task	
Task		Rolled Up Split	
Split		Rolled Up Task Progress	
Task Progress		Rolled Up Baseline	
Baseline		Rolled Up Baseline Milestone	
Baseline Split		Rolled Up Milestone	
Baseline Milestone		External Tasks	
Milestone		Project Summary	
Summary Progress		External Milestone	
Summary		Deadline	
Rolled Up Critical			