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1	2044	VERSION 2002 June 4th	Rel															
2	1462	"CTRL + a" to display all the 3GPP fields																
3	2058	Content of Rel4 frozen. Rel5 and after not frozen.	Rel															
4	0		Rel															
5	96																	
6	2	Evolutions of the transport in the UTRAN	NA	TSG RAN														
7	625	IP transport in the UTRAN	Rel5	WG RAN3														
8	4	Evolutions of the transport in the CN	NA	WG CN4														
9	2455	FS on Usage of SUA	Rel5	WG CN4														
10	2476	High Speed Downlink Packet Access	Rel5	WG RAN2														
11	2477	Physical Layer		WG RAN1														
12	2478	Layer 2 and 3 aspects		WG RAN2														
13	2479	Iub/Iur protocol aspects		WG RAN3														
14	2480	RF Radio Transmission/ Reception, System Performance R		WG RAN4														
15	1216	Improvements of Radio Interface	NA	TSG RAN														
16	1470	Improvement of inter-frequency and inter-system measure	Rel5	WG RAN1														
17	1471	Base station classification	Rel5	WG RAN4														
18	1476	FDD Base station classification		WG RAN4														
19	1477	TDD Base station classification		WG RAN4														
20	24002	Base Station Classification for 1.28 Mcps TDD option		WG RAN4														
21	1217	Hybrid ARQ II/III		WG RAN2														
22	1218	Improved usage of downlink resource in FDD for CCTrCHs c		WG RAN2														
23	1507	Terminal Power Saving features		WG RAN2														
24	2468	Multiple Input Multiple Output antennas (MIMO)	Rel6	WG RAN1														
25	2469	Enhancement on the DSCH hard split mode	Rel5	WG RAN1														
26	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel5	WG RAN1														
27	1506	FS on Radio link performance enhancements	Rel5	WG RAN1														
28	1221	FS on USTS	Rel5	WG RAN1														

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29		1997	FS on UE antenna efficiency test method performance requi	Rel5	WG RAN4														
30		2494	FS on the re-introduction of the downlink SIR measuremen	Rel5	WG RAN4														
31		24001	FS on UTRA WideBand Distribution Systems	Rel5	WG RAN4														
32		2493	FS on mitigating the effect of CPICH interference at the UE	Rel5	WG RAN4														
33		24003	FS for the viable deployment of UTRA in additional and div	Rel6	WG RAN4														
34		24004	Improving Receiver Performance Requirements for the FDD	Rel6	WG RAN4														
35		24005	FS on UE antenna efficiency test methods performance req	Rel6	WG RAN4														
36		21000	FS on Improvement of inter-frequency and inter-system mea	Rel5	WG RAN1														
37		1839	Conformance Test Spec. improvements in Radio Interface		WG T1														
38		2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	WG T1														
39		2211	Testing Hybrid ARQ II/III	Rel5	WG T1														
40		9	RAN improvements	NA	TSG RAN														
41		656	RRM optimization for lur and lub	Rel5	WG RAN3														
45		2488	RL Timing Adjustment	Rel5	WG RAN3														
46		2489	Separation of resource reservation and radio link activation	Rel5	WG RAN3														
47		2490	Improvement of Radio Resource Management across RNS ;	Rel5	WG RAN3														
48		2491	Re-arrangements of lub transport bearers	Rel5	WG RAN3														
49		23003	SRNS Relocation Procedure Enhancement	Rel5	WG RAN3														
50		624	RAB support enhancement		WG RAN2														
51		22000	RAB support enhancement for Rel-5	Rel5	WG RAN2														
52		1680	Header compression removal/stripping in the RAN	Rel5	TSG RAN														
53		1686	Unequal error protection in PS domain in the RAN	Rel5	TSG RAN														
54		21001	Beamforming requirements for UE	Rel5	WG RAN1														
55		20999	Beamforming Enhancements	Rel5	WG RAN1														
56		21002	Support of Site Selection Diversity Transmission in UTRAN	Rel5	WG RAN1														
57		2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	WG RAN1														
58		23005	Improvement of RRM across RNS and RNS/BSS	Rel6	WG RAN3														
59		1912	Start Testing		MLST														



























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60		2102	Conformance Test Aspects - RAN Improvements		WG T1															
61		2222	Testing Radio access bearer support enhancements		WG T1															
62		1273	Provisioning of IP-based multimedia services	NA	WG SA1															
63		1274	Call control and roaming to support IMS in UMTS	Rel5	WG SA2															
64		1633	Stage 1		WG SA1															
65		1514	Stage 2 (Architecture and Main flows)		WG SA2															
66		1296	Impact on MM/CC/SM		WG CN1															
67		2233	SIP Call Control protocol for the IMS		WG CN1															
68		1998	IMS signalling flows		WG CN1															
69		1278	IMS stage 3		WG CN1															
70		2255	IMS Session Handling; stage 2		WG CN1															
71		10004	Main IETF dependencies		TSG CN															
72		2521	IETF: draft-ietf-sip-rfc2543bis (Session Initiation Protocol)		WG CN1															
73		2523	IETF: draft-sip-100rel		WG CN1															
74		2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration		WG CN1															
75		2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity an		WG CN1															
76		2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authoriza		WG CN1															
77		11000	IETF: draft-ietf-sip-events (specific event notification)		WG CN1															
78		11001	IETF: draft-ietf-sip-refer (refer method)		WG CN1															
79		11002	IETF: draft-ietf-dhc-dhcpv6 (DHCP options for SIP servers)		WG CN1															
80		11003	IETF: draft-ietf-sip-replaces (SIP replaces header)		WG CN1															
81		11004	IETF: draft-ietf-avt-rtp-amr (AMR and AMR WB RTP and SDP)		WG CN1															
82		11005	IETF: draft-ietf-mmusic-sdp-new (IPv6 support within SDP)		WG CN1															
83		1290	Addressing		WG SA2															
84		1291	Architectural issues		WG SA2															
85		1292	Impact on HSS		WG CN4															
86		2530	Service Examples		WG SA1															
87		2531	IMS Framework Report		WG SA1															

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88		1298	Access Security for IMS	Rel5	WG SA3														
89		33000	SA3 task		WG SA3														
90		43000	IMS impacts on UICC		WG T3														
91		11014	SIP extensions for Integrity protection		WG CN1														
92		2574	Security Aspects of Requirement for Network Configuration	Rel5	WG SA3														
93		1299	Lawful interception	TBD	WG SA3														
94		35007	Charging and OAM&P for IMS	Rel5	WG SA5														
95		2047	Interworking between IMS and CS networks	TBD	WG CN3														
96		13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)		WG CN3														
97		13003	ITU-T dependency on Q.2150.3 (SCTP)		WG CN3														
98		2036	Multimedia codecs and protocols for conversational PS ser	Rel5	WG SA4														
99		2039	Codecs		WG SA4														
100		34020	Transport protocols	Rel5	WG SA4														
101		2040	performance characterisation of codec		WG SA4														
102		34006	recommendation for QoS parameter values for various media types		WG SA4														
103		32003	SIP message compression	Rel5	WG SA2														
104		32004	Stage 2		WG SA2														
105		11015	Compression signalling		WG CN1														
106		10001	Stage 3 description of IMS interfaces	Rel5	TSG CN														
107		1286	Cx interface (HSS to CSCF)		WG CN4														
108		14997	Mp interface (MRFC - MRFP) enhancements		WG CN4														
109		11016	Mw interface (CSCF to P-CSCF)		WG CN1														
110		11018	Mr interface (CSCF to MRF)		WG CN1														
111		14003	Dx interface (I-CSCF to SLF)		WG CN4														
112		13001	Go interface (GGSN to PCF)		WG CN3														
113		11019	ISC (IMS Service Control) Interface		WG CN1														
114		14006	Sh interface (HSS to AS)		WG CN4														
115		14998	Si interface (HSS to IM-SSF)		WG CN4														

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116		11020	Gm interface (UE to CSCF)		WG CN1														
117		11027	Mi interface (CSCF to BGCF)		WG CN1														
118		11028	Mj interface (BGCF to MGCF)		WG CN1														
119		11029	Mk interface (BGCF to BGCF)		WG CN1														
120		1310	Support of VHE/OSA by entities and protocols of the IMS (e.	Rel5	WG CN5														
121		12000	Support of CAMEL by the IMS	Rel5	WG CN2														
122		12001	Stage2 work 'general'		WG CN2														
123		12002	Stage3 work 'CAP'		WG CN2														
124		12003	Stage2 work 'Si interface'		WG CN2														
125		12004	Stage3 work 'Si interface'		WG CN4														
126		14004	SDM issues for CAMEL control of IMS		WG CN4														
127		31002	Pre-pay/real-time charging in IMS	TBD	WG SA1														
128		35005	Charging	Rel5	WG SA5														
129		32006	Charging Implications of IMS architecture		WG SA2														
130		35006	Charging management for IMS (off-line & on-line)		WG SA5														
131		10002	Other IETF dependencies	Rel5	TSG CN														
132		11011	IETF: draft-ietf-aaa-diameter - should be CN4		TSG CN														
133		11999	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4		TSG CN														
134		1913	Start Testing	Rel5	MLST														
135		1844	Conformance Test Aspects - Provisioning of IMS		WG T1														
136		34001	Extended Transparent End-to-End PS Streaming Service	Rel5	WG SA4														
137		34002	Stage 1		WG SA1														
138		34003	Stage 2 (version Rel5 of TS 26.234)		WG SA4														
139		34019	RTP usage model		WG SA4														
140		1652	Emergency call enhancements	Rel6	WG CN1														
141		1653	For IP & PS based calls	Rel6	WG CN1														
142		1314	Service Requirements for IP-based emergency calls		WG SA1														
143		1315	SIP emergency calls and packet emergency calls signalling flows		WG CN1														

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144	 	1316	Stage 2 for emergency calls and packet emergency calls in general		WG SA2															
145		1317	Distinction of emergency call types to different emergency services		WG CN1															
146	  	1646	Stage 3 for emergency calls and packet emergency calls in general		WG CN1															
147		2224	Conformance Test Aspects - Emergency call enhancements		WG T1															
148	 	2225	Testing Stage 3 for emergency calls and packet emergency calls in gene		WG T1															
149	 	1517	Global Text Telephony	Rel5	WG SA2															
150		1634	Stage 1		WG SA1															
151		1519	Stage 2		WG SA2															
152		2234	Specification of Cellular Text telephone Modem		WG SA4															
153		2238	General description and C-code		WG SA4															
154		2237	Minimum Performance requirements		WG SA4															
155		1915	Start Testing		MLST															
156	 	1852	Conformance Test Aspects - Global Text telephony		WG T1															
157		1637	OSA enhancements for Rel-5	NA	WG SA1															
158		32010	General Stage 2 for Rel5		WG SA2															
159		1429	OSA APIs for Multimedia Call Control	Rel5	WG SA2															
160		1430	Stage 1		WG SA1															
161	 	15002	(Multimedia) Call Control - Stages 2 and 3		WG CN5															
162		1433	Retrieval of Terminal capabilities	Rel6	WG SA2															
163		1434	Stage 1		WG SA1															
164	  	1436	Stages 2 and 3		WG CN5															
165	 	2122	Provisionning of the terminal capabilities		WG T2															
166	 	15003	Generic user interaction - Stage 3	Rel5	WG CN5															
167	 	15004	Charging - Stage 3	Rel5	WG CN5															
168	 	15005	Policy Management - Stage 3	Rel6	WG CN5															
169	 	15006	Presence and Availability Management (PAM) - Stage 3	Rel6	WG CN5															
170	 	15007	Check N5 - Call Control Service Mapping; Multiparty Call C	Rel5	WG CN5															
171	 	15999	WSDL APIs for SOAP/HTTP - Stage 3	Rel5	WG CN5															

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172		2538	Interaction with other features	NA	WG SA1														
173		2539	Access to Presence information	Rel6	WG SA1														
174		2540	Access to User Profile	Rel6	WG SA1														
175		2541	Policy Management	Rel6	WG SA1														
176		1419	OSA security	Rel5	WG SA3														
177		2121	Stage 1		WG SA1														
178		1421	Stage 3		WG SA3														
179		1422	security related SCF(s) definition		WG CN5														
180		1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLF		WG SA3														
181		1621	impact on terminal		WG T2														
182		1786	CHECK STATUS - LCS - OSA interfaces	Rel5	WG SA1														
183		1787	Stage 1		WG SA1														
184		2124	Stage 2		WG SA2														
185		1788	Stage 3		WG CN5														
186		1638	CAMEL phase 4	Rel5	WG SA1														
187		1461	Service requirements		WG SA1														
188		2012	Call Party Handling		WG CN2														
189		2013	Mid call procedure for MO and MT calls		WG CN2														
190		2014	Interactions with Optimal Routing		WG CN2														
191		2015	Inclusion of flexible tone injection		WG CN2														
192		2016	CSE control over MT SMS		WG CN2														
193		2460	Notification of GPRS mobility management to CSE		WG CN2														
194		2458	Provision of location information of called subscriber		WG CN2														
195		2514	Inclusion of ODB data in the CSE_HLR interface		WG CN2														
196		2515	Location information during an ongoing call (Handover DP)		WG CN2														
197		2516	GPRS Any Time Interrogation		WG CN2														
198		2599	Transfer of IMEI (with SW version) to CSE		WG CN2														
199		12005	Functional Split Into Subsets		WG CN2														

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200		2464	Rel-5 MExE enhancements	Rel5	WG T2														
201		2465	MExE Rel-5 Security Analysis		WG T2														
202		2466	MExE Rel-5 Improvements and Investigations		WG T2														
203		1625	Wideband Telephony Service - AMR	Rel5	WG SA4														
204		62	Specification		WG SA4														
205		31005	Stage 1		WG SA1														
206		32007	Stage 2		WG SA4														
207		1459	Design Constraints		WG SA4														
208		1460	General Description		WG SA4														
209		1626	Feasibility Study		WG SA4														
210		1656	N1 Aspects		WG CN1														
211		14005	N4 work		WG CN4														
212		67	Codec issues		WG SA4														
213		1627	Codec qualification		WG SA4														
214		74	Codec selection tests		WG SA4														
215		891	Codec selection		WG SA4														
216		34007	TFO AMR-WB		WG SA4														
217		890	Other codec issues (verif., characterisation)		WG SA4														
218		34008	AMR-WB and narrowband interworking		WG SA4														
219		34009	Interworking with fixed broadband networks		WG SA4														
220		34010	Tones and announcements		WG SA4														
221		34011	WB Conferencing and WB Voice Group calls		WG SA1														
222		34012	Billing, accounting and call detail record aspects		WG SA5														
223		1989	Start Testing		MLST														
224		1855	Conformance tests (CRs to 34 series)		WG T1														
225		76	Terminal Acoustic Characteristics		WG SA4														
226		1628	Definition		WG SA4														
227		1629	Test specification		WG SA4														

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228		34004	Floating-point ANSI-C code for the AMR-WB speech codec		WG SA4														
229		80	Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HI		TSG GERAN														
230		50098	Channel coding in 45.003		TSG GERAN														
231		2266	Signalling for the A interface		TSG GERAN														
232		2267	Signalling for Iu		TSG GERAN														
233		2268	Receiver performance in TS 45.005		TSG GERAN														
234		50000	Link Adaptation in 45.009		TSG GERAN														
235		2269	GERAN MS conformance test for AMR-WB		TSG GERAN														
236		2270	MS test		TSG GERAN														
237		2271	GERAN BTS conformance test for AMR-WB		TSG GERAN														
238		2272	BTS test		TSG GERAN														
239		1826	Terminal interfaces	NA	WG T2														
240		2573	Terminal local model enhancements	Rel5	WG T2														
241		1536	Location Services enhancements	NA	WG SA2														
242		1600	UE positioning	NA	TSG RAN														
243		2457	UE positioning enhancements - other methods		WG RAN2														
244		2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	WG RAN2														
245		2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 p	Rel6	WG RAN2														
246		2127	Stage 2		WG SA2														
247		2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5	WG RAN2														
248		1171	Event based and Periodic LCS	Rel5	WG SA1														
249		1641	Stage 1		WG SA1														
250		1538	Stage 2 specification		WG SA2														
251		1179	Impact on MAP		WG CN4														
252		2436	Location Services for GERAN in A/Gb Mode	Rel5	TSG GERAN														
253		2437	GERAN LCS Stage 2 (first release)		VG GERAN2														
254		2438	Gb interface support for LCS		TSG GERAN														
255		2440	L3 protocol support for LCS		TSG GERAN														

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256	✓	2441	Stage 3 specifications		TSG GERAN														
257	🌐	2442	Location Services for GERAN in Iu Mode	Rel5	TSG GERAN														
258	📅	2443	GERAN LCS Stage 2		VG GERAN2														
259	📅	2444	Iu-ps interface support for LCS		VG GERAN2														
260	📅	2445	Iu-cs interface support for LCS		VG GERAN2														
261	📅 📅	2446	Iur-g interface support for LCS		VG GERAN2														
262	✓	2447	RRC protocol support for LCS		VG GERAN2														
263	📅	2448	Additional impacts on Broadcast of LCS data on packet channels		VG GERAN2														
264	📅	2449	Stage 3 specifications		VG GERAN2														
265	🌐	50068	GERAN MS Conformance test for LCS		TSG GERAN														
266	📅	55069	Develop LCS MS test case work plan (Release 98/99/4)		VG GERAN5														
267	📅	55070	Develop LCS MS test cases		VG GERAN5														
268	📅 🌐	50069	GERAN BTS Conformance test for LCS		TSG GERAN														
269	📅	55071	Develop LCS BTS test case work plan (Release 98/99/4)		VG GERAN5														
270	📅	55072	Develop LCS BTS test cases		VG GERAN5														
271	📅	32001	Enhanced support for user privacy and subscriber data han	Rel5	WG SA2														
272		544	LCS interoperation stage 2 aspects		WG SA2														
273	🌐	2434	LCS interoperability aspects to GERAN		TSG GERAN														
274	📅	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and C		VG GERAN1														
275	🌐	2450	GERAN MS Conformance test for LCS		VG GERAN4														
276	📅	2451	MS test		VG GERAN4														
277	📅 🌐	2452	GERAN BTS Conformance test for LCS		VG GERAN3														
278	📅	2453	BTS test		VG GERAN3														
279	📅 🌐	52003	Uplink TDOA feasibility study		VG GERAN3														
280	📅	1183	FS on LCS support in the IMS		WG SA1														
281	📅 📅	35008	Charging and OAM&P for LCS enhancements	Rel5	WG SA5														
282	📅 📅	521	New security aspects of LCS (not identified)	Rel5	WG SA3														
283	📅 🌐	32011	Specification for the Le Interface	Rel5	WG SA2														

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284		32012	Support of the Presence Service Architecture	Rel5	WG SA2														
285		32022	Inter-GMLC interface		WG SA2														
286		1800	(U)SIM toolkit enhancements	NA	WG T3														
287		43002	Test specification for (U)SIM toolkit security mechanisms		WG T3														
288		1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5	WG T3														
289		2497	Stage 1		WG T3														
290		2496	Stage 2 and 3		WG T3														
291		2518	Test specification		WG T3														
292		1802	UICC API	NA	WG T3														
293		43001	Java API Test specification		WG T3														
294		2031	C SIM API	Rel5	WG T3														
295		2032	Specification		WG T3														
296		2033	Test specification		WG T3														
297		1571	Security enhancements	NA	WG SA3														
298		1583	MAP application layer security	Rel4	WG SA3														
299		1584	Main aspects		WG SA3														
300		2025	Other stage 3 aspects		WG CN4														
301		1594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3														
302		1576	Network domain security	Rel5	WG SA3														
303		1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provide		WG SA3														
304		1578	Main aspects		WG SA3														
305		1579	Integration of GTP signalling security architecture		WG CN4														
306		1580	User plane protection in core network (e.g., provided by IPsec)		WG SA3														
307		1581	Main aspects		WG SA3														
308		1582	Integration of GTP signalling security architecture		WG CN4														
309		2576	IP network layer security (NDS/IP)		WG SA3														
310		2026	Enhanced HE control of security (including positive authent	Rel6	WG SA3														
311		2027	Stage 2		WG SA3														

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312		2028	FS on Network impacts		WG CN4														
313		33003	Rel-6 MAP application layer security	Rel6	WG SA3														
314		33004	Main aspects		WG SA3														
315		33005	STAGE 3 for KEY distribution		WG CN4														
316		1861	Miscellaneous UE Conformance Testing Activities	NA	WG T1														
317		1862	Optimisation of Test Time, RF Aspects (FDD)	el Indep	WG T1														
318		1863	Optimisation of Test Time, RF Aspects (TDD)	el Indep	WG T1														
319		1907	Extensions to R99 Test cases		WG T1														
320		2564	Extension to R99 Test cases - TTCN		WG T1														
321		2565	Creation of R99 TCs for TDD - prose		WG T1														
322		2566	Creation of R99 TCs for TDD - TTCN		WG T1														
323		1908	Review all other work items for impact on new or exiting 34		WG T1														
324		32021	IMS Phase 2	Rel6	WG SA1														
325		32015	Radio optimisation impacts on PS domain architecture	Rel6	WG SA2														
326		2048	Interworking between IMS and IP networks	Rel6	WG CN3														
327		13004	Interworking for 3GPP_SIP and IETF_SIP		WG CN3														
328		13005	Interworking for IPv6 to IPv4		WG CN3														
329		32005	IMS Local services	Rel6	WG SA2														
330		32019	Stage 2		WG SA2														
331		13011	Mm interface (CSCF to external IP multimedia network)	Rel6	WG CN3														
332		11017	CN1 part		WG CN1														
333		13012	CN3 part		WG CN3														
334		13013	Mg interface (BGCF to MGCF - interworking with CS)	Rel6	WG CN3														
335		14002	CN1 part		WG CN1														
336		13014	CN3 part		WG CN3														
337		14001	Mc interface (IM-MGW to MGCF) enhancements	Rel-6	WG CN4														
338		31022	IMS Messaging (part of IMS2?)	Rel6	WG SA1														
339		31023	TR on support of messaging in the IMS		WG SA1														

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340		31024	CRs to existing 22-series specifications		WG SA1														
341		31025	IMS Group Management (part of IMS2?)	Rel6	WG SA1														
342		31026	TS on IMS group management		WG SA1														
343		1365	Support of Push Services	Rel6	WG SA1														
344		31004	Stage 1		WG SA1														
345		32000	TR on feasibility study		WG SA2														
346		42005	Rel-6 MExE enhancements	Rel6	WG T2														
347		42006	MExE Rel-6 Improvements and Investigations		WG T2														
348		42007	MExE Run-Time Independent Framework Feasibility Study		WG T2														
349		1142	Charging and OAM&P	NA	WG SA5														
350		35002	Rel5 Principles, high level Requirements and Architecture	Rel5	WG SA5														
351		35003	Rel5 Performance Management	Rel5	WG SA5														
352		35004	Rel5 Charging Management	Rel5	WG SA5														
353		35001	Network Infrastructure Management	Rel5	WG SA5														
354		2062	Subscription Management	Rel6	WG SA5														
355		2243	Intra Domain Connection of RAN Nodes to Multiple CN N	Rel5	WG SA2														
356		2244	Overall System Architecture		WG SA2														
357		20000	Stage 3: RAN node selecting CN node		WG RAN3														
358		2248	N1 work		WG CN1														
359		2249	N4 work		WG CN4														
360		50067	GERAN work for Intra Domain Connection of RAN Nodes to		TSG GERAN														
361		51068	Stage 2 (changes to)		/WG GERAN1														
362		51069	43.051 Introduction of support for IDNNS in GERAN lu mode		/WG GERAN1														
363		52070	Stage 3 (changes to)		/WG GERAN2														
364		52077	48.016 Use of Gb interface concepts when a network applies IDNNS		/WG GERAN2														
365		52078	48.018 Include MSC/VLR identity in CS IMSI paging		/WG GERAN2														
366		2320	GERAN improvements 3 (new transport layer on interface	Rel5	TSG GERAN														
367		2321	Evolution of the transport for A		TSG GERAN														

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368		2322	Definition of a new A/Atter interface Transport Layer option based on the		TSG GERAN														
369		2323	Adaptation of the Layer 3 BSSMAP procedures as required		TSG GERAN														
370		2330	GERAN support for IMS	TBD	TSG GERAN														
371		2331	GERAN Header adaptation		A2;TSG RAN														
372		2332	Definition of compression and removal modes for PDCP protocol		A2;TSG RAN														
373		2333	Conceptual description in stage 2		A2;TSG RAN														
374		2334	Necessary changes on stage 3 regarding header removal		A2;TSG RAN														
375		2335	GERAN Radio access bearer design for IMS		A2;TSG RAN														
376		2422	MuM control signalling for conversational multimedia services		A2;TSG RAN														
377		2431	Identification of requirements		A2;TSG RAN														
378		2337	Necessary modifications due to SIP		A2;TSG RAN														
379		2338	Physical layer multiplexing		TSG GERAN														
380		2339	Stage 2		TSG GERAN														
381		2432	Stage 3		TSG GERAN														
382		2341	GERAN MS Conformance test for support of IMS		TSG GERAN														
383		2342	MS test		WG GERAN4														
384		2343	GERAN BTS Conformance test for support of IMS		TSG GERAN														
385		2344	BTS test		WG GERAN3														
386		2345	Alignment of 3G functional split and lu	TBD	TSG GERAN														
387		2346	GERAN user / control plane		TSG GERAN														
388		2347	Alignment with UMTS bearer concept		TSG GERAN														
389		50300	Enhanced power control		TSG GERAN														
390		2423	Stage 2		TSG GERAN														
391		2348	Adoption of the UTRAN PDCP		TSG GERAN														
392		50043	Development of RLC / MAC		TSG GERAN														
393		50044	Development of GERAN RRC		TSG GERAN														
394		50045	Ciphering and integrity protection concept paper		TSG GERAN														
395		50046	Multiple TBF or equivalent Concept paper		TSG GERAN														

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396	✓	50047	Paging concept		TSG GERAN														
397	✓	50048	Dedicated Physical subchannels, includes traffic and control channels		TSG GERAN														
398	✓	50049	Iu support and broadcast concept		TSG GERAN														
399	✓	50050	Impact of using RLC instead of LAPDm concept		TSG GERAN														
400	✓	50051	Contention resolution, mobile station identity, and access concept		TSG GERAN														
401	✓	50052	PDCP concept		TSG GERAN														
402	✓	50053	Downlink delayed TBF release		TSG GERAN														
403	✓	50054	Add transparent RLC Concept		TSG GERAN														
404	✓	50055	Handover concept		TSG GERAN														
405		2349	Development of RLC / MAC		WG GERAN2														
406		2350	Development of GERAN RRC		WG GERAN2														
407		2351	Ciphering and integrity protection Concept paper		WG GERAN2														
408	✓	50302	Multiple TBF or equivalent Concept paper		WG GERAN2														
409		50303	Paging concept		WG GERAN2														
410	✓	2352	Dedicated physical subchannels. Includes traffic and control channels		WG GERAN1														
411		2353	Iu support and broadcast concept		WG GERAN2														
412	✓	2354	Impact of using RLC instead of LAPDm concept		WG GERAN2														
413	✓	2355	Contention resolution, mobile station identity, and access concept		WG GERAN2														
414		50304	PDCP concept		WG GERAN2														
415	✓	50305	Downlink delayed TBF release		WG GERAN2														
416	✓	50306	Add transparent RLC Concept		WG GERAN2														
417	✓	50307	Handover concept		WG GERAN2														
418		2424	Physical layer alignment with UMTS bearer concept		TSG GERAN														
419	✓	2356	PDTCH/TCH in 45.003		TSG GERAN														
420	✓	2357	Control channels in 45.003		TSG GERAN														
421	✓	2358	Receiver performance in 45.005 for PDTCH/TCH and control channels		TSG GERAN														
422		2359	Iu rg interface		WG;TSG RAN														
423		2425	Inter BSS interface		WG;TSG RAN														

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424		2360	Identification of requirements		TSG GERAN														
425		2361	Stage 2		TSG GERAN														
426		2362	Adoption of relevant parts from Iur		TSG GERAN														
427		2363	Complementation with GERAN specifics		TSG GERAN														
428		2364	New stage 3		TSG GERAN														
429		2426	Inter BSS-RNS interface		N;TSG RAN														
430		2365	Identification of requirements		N;WG RAN3														
431		2366	Stage 2		N;WG RAN3														
432		2367	Adoption of relevant parts from Iur		N;WG RAN3														
433		2368	Complementation with GERAN specifics		N;WG RAN3														
434		2369	New stage 3		N;WG RAN3														
435		2370	Voice over GERAN PS and CS concept		N;WG RAN3														
436		2371	Architecture for A, Iu cs and Iu ps		N;WG RAN3														
437		2372	Transcoder position/operation		TSG GERAN														
438		2373	Handover		N;WG RAN3														
439		2374	RTP payload		N;WG RAN3														
440		2375	Codec renegotiation concept		N;WG RAN3														
441		2376	LA		TSG GERAN														
442		2377	GERAN Narrowband speech realization		TSG GERAN														
443		2427	8-PSK NB HR		WG GERAN1														
444		2378	Channel coding in 45.003		WG GERAN1														
445		2379	Signalling for A interface		WG GERAN1														
446		2380	Signalling for Iu		WG GERAN1														
447		2381	Link adaptation in 45.009		WG GERAN1														
448		2382	Receiver performance in 45.005		WG GERAN1														
449		2428	8-PSK NB QR		TSG GERAN														
450		2383	Channel coding in 45.003		TSG GERAN														
451		2384	Signalling for A interface		TSG GERAN														

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452		2385	Signalling for lu		TSG GERAN														
453		2386	Link adaptation in 45.009		TSG GERAN														
454		2387	Receiver performance in 45.005		TSG GERAN														
455		2388	GERAN MS Conformance test for GERAN interface evolution		TSG GERAN														
456		2389	MS test		TSG GERAN														
457		2390	GERAN MS Conformance test for GERAN interface evolution		TSG GERAN														
458		2391	BSS test		TSG GERAN														
459		2392	GERAN enhancements for streaming services 1 (RLC en	Rel5	TSG GERAN														
460		2394	Concept		TSG GERAN														
461		2395	RLC protocol enhancement (SDU Discard)		TSG GERAN														
462		2396	GERAN enhancements for streaming services 2 (usage c	Rel5	TSG GERAN														
463		2398	Usage of ECSD Concept		TSG GERAN														
464		2399	Stage 2		TSG GERAN														
465		2400	Stage 3		TSG GERAN														
466		2401	RLC PDU formats		TSG GERAN														
467		2402	MAC header		TSG GERAN														
468		2412	GERAN/UTRAN interface evolution 1 (evolution of lu PS)	Rel5	N;WG RAN3														
469		2413	Evolution of lu ps		N;WG RAN3														
470		2414	Identification of GERAN requirements on lu ps		N;WG RAN3														
471		2415	Update of specifications		N;WG RAN3														
472		2416	GERAN/UTRAN interface evolution 2 (evolution of lu CS)	Rel5	N;WG RAN3														
473		2417	Evolution of lu cs		N;WG RAN3														
474		2418	Identification of GERAN requirements on lu cs		N;WG RAN3														
475		2419	Update of specifications		N;WG RAN3														
476		2499	Support of Presence Capability	Rel6	WG SA1														
477		2501	Stage 1		WG SA1														
478		2502	Stage 2		WG SA2														
479		2503	Stage 3		WG CN1														

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480		2504	Security issues		WG SA3														
481		2505	USIM issues		WG T3														
482		2506	UE issues		WG T2														
483		31028	Presence Service Enhancements	Rel6	WG SA1														
484		2520	User Equipment Management	Rel5	WG SA5														
485		35000	FS on User Equipment (UE) Management	Rel5	WG SA5														
486		2527	Emergency calls without UICC/SIM in netw. with IMS	Rel6	WG SA2														
487		32014	Stage 2		WG SA2														
488		2528	Stage 3 work for CN1		WG CN1														
489		2556	End to End QoS for PS Domain including IMS	Rel5	WG SA2														
490		2557	E2E QoS Concept and Architecture		WG SA2														
491		2558	E2E QoS interworking		WG CN3														
492		2559	QoS Management (Provisioning and Monitoring)		WG SA5														
493		2569	Messaging enhancements Rel-5	Rel5	WG T2														
494		2571	Multimedia Messaging (MMS) enhancements		WG T2														
495		31000	Definition of service requirements	Rel5	WG SA1														
496		42000	Technical realization		WG T2														
497		42008	WAP Forum dependency: MM1 stage 3		WG T2														
498		34018	MMS formats and codecs		WG SA4														
499		2572	Enhanced Messaging Service (EMS) enhancements		WG T2														
500		31001	Definition of service requirements		WG SA1														
501		42001	Technical realization		WG T2														
502		50001	GERAN Inter BSC NACC improvements over the Gb Inte	Rel5	TSG GERAN														
503		14501	Modification of core network protocols for GERAN Inter BSC		N4;WG SA2														
504		32502	Stage 2 - Concept		N4;WG SA2														
505		14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC		N4;WG SA2														
506		14503	Stage 3 (changes to TS 29.060)		WG CN4														
507		50002	Modification of Gb protocols for GERAN Inter BSC NACC ov		TSG GERAN														

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508		50003	Stage 3 (changes to TS 48.018)		TSG GERAN														
509		50033	Enhanced Power Control	Rel5	TSG GERAN														
510		50034	Realization of Enhanced power control and signaling support		TSG GERAN														
511		50035	GERAN MS Conformance test for Enhanced Power Control		TSG GERAN														
512		50036	GERAN BTS Conformance test for Enhanced Power Control		TSG GERAN														
513		50037	8PSK AMR HR	Rel5	TSG GERAN														
514		50038	Definition of channel coding, performance requirements and		TSG GERAN														
515		50061	Concept		TSG GERAN														
516		52004	Changes to 44.018		WG GERAN2														
517		51025	Changes to 45.001		WG GERAN1														
518		51026	Changes to 45.002		WG GERAN1														
519		51027	Changes to 45.003		WG GERAN1														
520		51028	Changes to 45.005		WG GERAN1														
521		52005	Changes to 24.008		WG GERAN2														
522		52006	Changes to 48.058		WG GERAN2														
523		50039	GERAN MS Conformance test for 8PSK HR		TSG GERAN														
524		50040	GERAN BTS Conformance test for 8PSK HR		TSG GERAN														
525		50056	Enhanced A/Gb feasibility study	TBD	TSG GERAN														
526		50057	Performing a feasibility study on A/Gb enhancements		WG GERAN2														
527		50058	Multiple TBF in A/Gb mode	Rel5	TSG GERAN														
528		50059	Multiple TBF in A/Gb mode		TSG GERAN														
529		50060	Multiple TBF Concept paper		TSG GERAN														
530		51001	Multiple TBF Stage 2 (43.064) CRs		WG GERAN1														
531		50062	Multiple TBF Stage 2 (44.060) CRs		WG GERAN2														
532		50063	Flexible Layer One for GERAN	TBD	TSG GERAN														
533		50064	Realisation of a Flexible Layer One		TSG GERAN														
534		50065	Concept Document		TSG GERAN														
535		51002	Architecture in 45.001 and 43.051		WG GERAN1														

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536		51003	Multiplexing in 45.002		WG GERAN1														
537		51004	Channel Coding in 45.003		WG GERAN1														
538		51005	Performance Requirements in 45.005		WG GERAN1														
539		51006	Radio subsystem link control in 45.008		WG GERAN1														
540		52071	Requirements in 44.004		WG GERAN2														
541		52072	Signalling and protocol support for a Flexible Layer One		WG GERAN2														
542		52073	Modifications to RLC/MAC in 44.060 and 44.160		WG GERAN2														
543		52074	Modifications to RRC in 44.118 and 44.018		WG GERAN2														
544		52075	Security for a Flexible Layer One		WG GERAN2														
545		52076	Ciphering in 44.160,44.118, 44.060 and 44.018		WG GERAN2														
546		55077	GERAN MS Conformance test for the Flexible Layer One		WG GERAN5														
547		55078	MS Test in 51.010		WG GERAN5														
548		55079	GERAN BTS Conformance test for the Flexible Layer One		WG GERAN5														
549		55080	BTS Test in 51.021		WG GERAN5														
550		50041	Uplink TDOA feasibility study	Rel6	TSG GERAN														
551		13000	Service Change and UDI Fallback	Rel5	WG CN3														
552		30001	small Technical Enhancements and Improvements for R	Rel5	Generic														
553		35009	Trace Management	Rel6	WG SA5														
554		2544	Multimedia Broadcast and Multicast Service	Rel6	WG SA1														
555		2545	Stage 1		WG SA1														
556		32002	Stage 2		WG SA2														
557		2481	Enhancement of Broadcast and Introduction of Multicast Ca		WG RAN2														
558		31006	Speech Recognition and Speech Enabled Services	Rel6	WG SA1														
559		31007	Speech Enabled Services Based on Distributed Speech Rec		WG SA1														
560		32999	Stage 2 of DSR		WG SA2														
561		11021	SDP protocols extension to include DSR		WG CN1														
562		31008	Generic User Profile	Rel6	WG SA1														
563		31009	Stage 1 - Requirements		WG SA1														


























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564		42002	Stage 2 - Data description framework															
565		32008	Stage 2 - Architecture															
566		42003	Stage 3 - Common objects															
567		14008	Stage 3 - Network															
568		31010	Digital Rights Management	Rel6														
569		31011	Requirements															
570		32009	Architecture															
571		33001	Security															
572		34017	Codec Aspects															
573		42004	Terminal Aspects															
574		31012	FS on WLAN-UMTS Interworking	Rel6														
575		31020	Technical Report															
576		32018	WLAN Interworking – Architecture Definition															
577		31015	Priority Service	Rel6														
578		31016	Feasibility Study															
579		31017	Stage 1 - Requirements															
580		31018	Network Sharing	Rel6														
581		31019	Technical Report															
582		31013	UE Functionality Split	Rel6														
583		31021	Technical Report	Rel5														
584		32013	Stage 2															
585		32016	QoS Improvements	NA														
586		32017	Dynamic Policy control enhancements for end-to-end QoS	Rel6														
587		33002	Support for subscriber certificates	Rel6														
588		15010	Rel-6 OSA enhancements	Rel6														
589		15011	Support of a Generic Network Interface Function (Stage 1&3)															
590		15012	Local services (Stage 1&3)															
591		15013	Support for MMS Relay/Server to VASP Connectivity (Stage 1&3)															

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592		15014	Support for the Push-Service (Stage 1&3)		WG CN5														
593		15015	Enhanced User Notification (Stage 1&3)		WG CN5														
594		15016	Support for GUP to enable applications access to the Users		WG CN5														
595		15017	Security		WG SA3														
596		23004	Shared Network support in connected Mode	Rel6	WG RAN3														
597		0	----- Rel-4 features listed below -----	Rel4															
598		1340	Facsimile	Rel4	WG SA1														
599		1341	Real Time Fax		WG SA2														
600		1808	Terminal capabilities, AT commands		WG T2														
601		1343	Signalling aspects (e.g. ICM)		WG CN1														
602		1648	Service provision		WG CN3														
603		1345	Review whether service/stage 1 aspects need to be aligned		WG SA1														
604		1346	Review whether architecture/stage 2 aspects need to be aligned		WG SA2														
605		1539	Transparent End-to-End PS mobile streaming application	Rel4	WG SA4														
606		1818	Multimedia Messaging	Rel4	WG T2														
607		136	Definition of service requirements		WG SA1														
608		1819	Review of definition of service requirements		WG T2														
609		1820	Technical Realisation		WG T2														
610		1821	Review of definition of reference Architecture model		WG T2														
611		1822	"Fulfill Requirements of Stage 1"		WG T2														
612		1823	Definition of MMS primitives in Stage 2		WG T2														
613		1541	Transcoder-Free Operation	Rel4	WG CN4														
614		112	OoBTC solution		WG CN4														
615		1512	implementation in UTRAN		WG RAN3														
616		896	Impact on architecture, Principles and Terminology		WG SA2														
617		1657	Codec Negotiation between UE and MSC		WG CN1														
618		115	Codec Negotiation inter MSC		WG CN4														
619		894	Bearer establishment inter MSC		WG CN4														

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620	✓	1617	Prevention of user fraud		WG SA3														
621	✓	905	Speech Transcoder: Location and Control at the UMTS Core		WG SA2														
622	✓	124	Transcoder at Edge		TSG CN														
623	✓	2310	GERAN improvements 1 (Gb over IP)	Rel4	TSG GERAN														
624	✓	2311	Gb over IP (Ip-fication of Gb)		TSG GERAN														
625	✓	2312	Concept		TSG GERAN														
626	✓	2313	Changes to 08.16, 08.18		TSG GERAN														
627		2314	GERAN improvements 2 (NACC)	Rel4	TSG GERAN														
628	✓	2315	Gb enhancements		TSG GERAN														
629	✓	2316	Intra BSC NACC (Network Assisted Cell Change)		TSG GERAN														
630	✓	2420	Concept		TSG GERAN														
631	✓	2317	Changes in 03.64		TSG GERAN														
632	✓	2318	Changes in 04.60		TSG GERAN														
633	✓	2319	Changes in 44.008		TSG GERAN														
634		0	Start Testing																
635		50030	MS conformance test for Intra BSC NACC		TSG GERAN														
636		50099	Changes in 51.010		TSG GERAN														
637	✓	2324	GERAN improvements 4 (Delayed TBF)	Rel4	TSG GERAN														
638	✓	2325	Gb enhancements 2		TSG GERAN														
639	✓	2429	stage 2		TSG GERAN														
640	✓	2421	Stage 3 (changes in 44.060)		WG GERAN2														
641	✓	2327	Definition of enhanced countdown procedure		WG GERAN2														
642	✓	2328	Definition of enhanced TBF release procedure		WG GERAN2														
643	✓	2329	Definition of USF=FREE type polling mechanism on PDCH		WG GERAN2														
644		1222	Low Chip Rate TDD option	Rel4	WG RAN1														
645	✓	1223	Physical layer		WG RAN1														
646	✓	1224	Layer 2 and layer 3 protocol aspects		WG RAN2														
647	✓	1225	RF radio transmission/reception, system performance requi		WG RAN4														

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648		1227	UE radio access capability		WG RAN2														
649		1228	Iub/Iur protocol aspects		WG RAN3														
650		2262	Low chiprate TDD interworking with GERAN																
651		2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD																
652		1911	Start Testing		MLST														
653		2103	Conformance Test Aspects - Low Chip Rate TDD		WG T1														
654		2217	Testing Layer 2 and layer 3 protocol aspects		WG T1														
655		2562	Testing Layer 2 and layer 3 protocol aspects - TTCN		WG T1														
656		2218	Testing RF Radio Transmission and Reception		WG T1														
657		1322	Enable bearer independent CS architecture	Rel4	WG SA2														
658		1323	Enable bearer-independent call control		WG CN4														
659		1516	Architecture and Stage 2 description		WG SA2														
660		1325	Standardisation of protocols (control & user planes) over Nb interface		WG CN3														
661		1326	Standardisation of protocols over reference points between MSC server		WG CN4														
662		1616	Standardisation of detailed stage 2 description		WG CN4														
663		1327	Bearer control between MSC server and MGW		WG CN4														
664		1328	stage 3 - protocol issues		WG CN4														
665		1329	stage 3 - parameter value issues		WG CN3														
666		1331	Lawful interception		WG SA3														
667		1918	Start Testing		MLST														
668		2052	Conformance Test Aspects - Enable bearer independent CS		WG T1														
669		1445	MExE enhancements Rel-4	Rel4	WG T2														
670		1447	MExE Security Analysis Activity		WG SA3														
671		2045	Stage 3		WG SA3														
672		1448	Terminal aspects		WG T2														
673		1810	MExE Rel4 Improvements and Investigations		WG T2														
674		1812	3rd MExE classmark		WG T2														
675		1814	FS on Secure download mechanism and capabilities to support SDR con		WG T2														























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676	✓	1815	FS on Support of MP3/MPEG4 content		WG T2														
677	✓	41003	Conformance testing of MExE capability (Feasibility study)	Rel4	WG T1														
678	✓	1631	Tandem Free aspects for 3G and between 2G and 3G sys	Rel4	WG SA4														
679	✓	1632	Tandem Free AMR		WG SA4														
680	✓	130	Specification		WG SA4														
681	✓	907	Impact on:		TSG CN														
682	✓	131	CN		TSG CN														
683	✓	132	GERAN		TSG GERAN														
684	✓	2230	Advanced Speech Call Items enhancements_REL-4	Rel4	WG CN1														
685	✓	2232	Stage 2		WG CN4														
686	✓	2231	Stages 2 and 3 on A interface		WG CN1														
687	✓	2403	700 MHz spectrum support	Rel4	TSG GERAN														
688	✓	2404	GERAN support for the 700 MHz band		TSG GERAN														
689	✓	2405	Signalling support		TSG GERAN														
690	✓	2406	Physical layer definitions		TSG GERAN														
691	✓	2407	Receiver performance and RF budget		TSG GERAN														
692	✓	2408	GERAN MS Conformance test for 700 MHz band		TSG GERAN														
693	✓	2409	MS test		TSG GERAN														
694	✓	2410	GERAN BTS Conformance test for 700 MHz band		TSG GERAN														
695	✓	2411	BTS test		TSG GERAN														
696	✓	2463	Operator Determined Barring for Packet Oriented Service	Rel4	TSG CN														
697	✓	2546	UMTS QoS Architecture for PS Domain	Rel4	WG SA2														
698	✓	2548	Architecture		WG SA2														
699	✓	2550	Charging and OAM&P for QoS Management		WG SA5														
700	✓	1681	RAB Quality of Service (re)Negotiation over Iu		WG RAN3														
701	✓	1991	RAB Quality of Service Negotiation over Iu		WG RAN3														
702	✓	2456	RAB Quality of Service Negotiation over Iu during relocation		WG RAN3														
703	✓	1992	RAB Quality of Service Re-Negotiation over Iu		WG RAN3														

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704		1553	GERAN QoS Aspects - Handovers: maintenance of real-time															
705		2306	Handover Concept for the PS domain															
706		2309	Stable RT handover report 25.936 including header removal															
707		2307	Update of stage 2															
708		2308	Update of relevant stage 3 specs -> RRC															
709		50010	GERAN MS Conformance test for inter-system and intra-sys															
710		50011	Handover for the PS domain															
711		50012	Stable RT handover report 25.936 including header removal															
712		50013	Update of stage 2															
713		50014	Update of relevant stage 3 specs															
714		1685	PS-domain handover for real-time services															
715		2554	RAB QoS Renegotiation at Relocation															
716		1993	small Technical Enhancements and Improvements for Rel-4	Rel4														
717		400002	Rel-4 Evolutions of the transport in the UTRAN	NA														
718		12	QoS optimisation for AAL2 connections over lub and lur int	Rel4														
719		1995	Transport bearer modification procedure on lub, lur, and lu	Rel4														
720		401834	Conformance Test Aspects of Rel-4 evolutions of the transport															
721		2208	Testing RAB support enhancements															
722		400004	Rel-4 Evolutions of the transport in the CN	NA														
723		859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel4														
724		1679	Stage 3															
725		2018	CAP															
726		2019	MAP															
727		2253	BSSAP+															
728		1513	FS on Transport and control separation in the PS CN domain	Rel4														
729		1615	Architectural impacts															
730		401216	Rel-4 Improvements of Radio Interface	NA														
731		1509	UTRA repeater specification (master)	Rel4														

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732		1994	DSCH power control improvement in soft handover	Rel4	WG RAN1														
733		1996	UMTS 1800	el indep	WG RAN4														
734		2467	UMTS 1900	el indep	WG RAN4														
735		1219	FS on High Speed downlink packet access		WG RAN2														
736		1510	FS on improved common DL channel for Cell-FACH state		WG RAN2														
737		401839	Conformance Test Spec. Rel-4 improvements in Radio Inter		WG T1														
738		2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dec		WG T1														
739		2213	Testing Terminal Power saving features		WG T1														
740		2214	Testing DSCH power control improvement in soft handover	Rel4	WG T1														
741		2215	Testing UMTS 1800	el indep	WG T1														
742		41000	Testing UMTS 1900	el indep	WG T1														
743		2561	Testing UMTS 1800 - TTCN	el indep	WG T1														
744		41001	Testing UMTS 1900 - TTCN	el indep	WG T1														
745		400009	Rel-4 RAN improvements	NA	TSG RAN														
746		655	Node B synchronisation for TDD	Rel4	WG RAN1														
747		2206	RAB support enhancement for Rel-4	Rel4	WG RAN2														
748		401912	Start Testing		MLST														
749		402102	Conformance Test Aspects - Rel-4 RAN Improvements		WG T1														
750		402222	Testing Radio access bearer support enhancements		WG T1														
751		402461	Testing RAB support enhancements-Robust Header Compression	Rel4	WG T1														
752		401652	Rel-4 Emergency call enhancements	NA	WG CN1														
753		1654	For CS based calls	Rel4	WG CN1														
754		1320	Distinction in CS domain of emergency call types to different emergency		WG SA1														
755		1999	Distinction in CS domain of emergency calls to different emergency types		WG CN1														
756		402224	Conformance Test Aspects - Emergency call enhancements		WG T1														
757		2226	Testing CS based emergency calls		WG T1														
758		2563	Testing CS based emergency calls - TTCN		WG T1														
759		401637	Rel-4 OSA enhancements	NA	WG SA1														

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760	✓	2120	General Stage 2 for Rel4	Rel4	WG SA2														
761	✓	401424	CHECK STATUS - Interactions OSA - e-commerce	Rel5	WG SA2														
762	✓	1425	Stage 1		WG SA1														
763	✓	1529	Stages 2 and 3		WG CN5														
764	✓	401786	CHECK STATUS - LCS - OSA interfaces	Rel5	WG SA1														
765	✓	401787	Stage 1		WG SA1														
766	✓	402124	Stage 2		WG SA2														
767	✓	401788	Stage 3		WG CN5														
768	✓	401826	Rel-4 Terminal interfaces	NA	WG T2														
769	✓	1827	AT commands enhancements	Rel4	WG T2														
770	✓	1828	Specification of AT commands for new services		WG T2														
771	✓	1858	UE Conformance test spec. AT command		WG T1														
772	✓	1829	Wide Area Data Synchronisation	NA	WG T2														
773	✓	1830	Continues evolution of Synchronisation protocol	Rel4	WG T2														
774	✓	1832	Terminal local model	Rel4	WG T2														
775	✓	401536	Rel-4 Location Services enhancements	NA	WG SA2														
776	✓	2229	CBS interactions	Rel4	WG T2														
777	✓	523	LCS support in the CS domain	Rel4	WG SA2														
778	✓	525	LCS support in the PS domain	Rel4	WG SA2														
779	✓	1642	Stage 1		WG SA1														
780	✓	1181	Stage 2		WG SA2														
781	✓	1180	Stage 3		WG CN1														
782	✓	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPR		WG CN1														
783	✓	2462	MAP impacts of LCS		WG CN4														
784	✓	527	GTP signaling for LCS		WG CN4														
785	✓	401600	UE positioning Rel-4	NA	TSG RAN														
786	✓	1601	Iub/Iur interfaces for methods Rel 99	Rel4	WG RAN3														
787	✓	1602	UE positioning enhancements - IPDL for TDD	Rel4	WG RAN2														

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788		401560	Rel-4 UICC/(U)SIM enhancements and interworking	NA	WG T3														
789		1799	Common PCN Handset Specification (CPHS)	Rel4	WG T3														
790		401800	Rel-4 (U)SIM toolkit enhancements	NA	WG T3														
791		2034	USAT local link	Rel4	WG T3														
792		401571	Rel-4 Security enhancements	NA	WG SA3														
793		1587	Evolution of GSM CS algorithms (e.g. A5/3 development and	Rel4	WG SA3														
794		1588	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	Rel4	WG SA3														
795		1589	Main aspects		WG SA3														
796		1618	Impact on GTP		WG CN4														
797		1661	GEA capability indication in MS CM		WG CN1														
798		401583	MAP application layer security	Rel4	WG SA3														
799		401584	Main aspects		WG SA3														
800		402025	Other stage 3 aspects		WG CN4														
801		401594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3														
802		401142	Rel-4 Charging and OAM&P	NA	WG SA5														
803		2089	Rel4 Principles, high level Requirements and Architecture	Rel4	WG SA5														
804		2088	Rel4 Performance Management	Rel4	WG SA5														
805		2081	Fault Management	Rel4	WG SA5														
806		2082	Configuration Management	Rel4	WG SA5														
807		2083	Rel4 Charging Management	Rel4	WG SA5														
808		2071	UTRAN Operations and Maintenance procedures	Rel4	WG SA5														

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