ID	Unique_II	Name	Release	Resource Na	, 2001 Nov Dec	Qtr 1, 2002 Jan Feb Mar	Qtr 2, 2002 Apr May Jun	Qtr 3, 2002 Jul Aug Sep	Qtr 4, 2002 Oct Nov Dec	Qtr 1, 2003 Jan Feb Mar	Qtr Apr
1	2044	**VERSION 2002 April 9th**	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	2257	**Evolution of transport in UTRAN and GERAN**	**Rel5**	**WG RAN3**							
9	2258	Addition of transport mechanisms other than ATM for Iu - Identification of		WG RAN3							
10	2259	Addition of transport mechanisms other than ATM for Iu - Specification o		WG RAN3							
11	4	**Evolutions of the transport in the CN**	NA	**WG CN4**							
12	2455	**FS on Usage of SUA**	Rel5	WG CN4							
13	2476	**High Speed Downlink Packet Access**	**Rel5**	**WG RAN2**							
14	2477	**Physical Layer**		WG RAN1							
15	2478	**Layer 2 and 3 aspects**		WG RAN2							
16	2479	**Iub/Iur protocol aspects**		WG RAN3							
17	2480	**RF Radio Transmission/ Reception, System Performance Re**		WG RAN4							
18	1216	**Improvements of Radio Interface**	NA	TSG RAN							
19	1470	Improvement of inter-frequency and inter-system measuren	Rel5	WG RAN1							
20	1471	**Base station classification**	**Rel5**	**WG RAN4**							
21	1476	FDD Base station classification		WG RAN4							
22	1477	TDD Base station classification		WG RAN4							
23	24002	Base Station Classification for 1.28 Mcps TDD option		WG RAN4							
24	1217	**Hybrid ARQ II/III**		WG RAN2							
25	1218	**Improved usage of downlink resource in FDD for CCTrCHs**		WG RAN2							
26	1507	**Terminal Power Saving features**		WG RAN2							
27	2468	**Multiple Input Multiple Output antennas (MIMO)**	Rel6	WG RAN1							
28	2469	**Enhancement on the DSCH hard split mode**	Rel5	WG RAN1							

ID	Unique_II	Name	Release	Resource Name
29	2471	**FS on Fast Cell Selection (FCS) for HS-DSCH**	Rel5	WG RAN1
30	1506	**FS on Radio link performance enhancements**	Rel5	WG RAN1
31	1221	**FS on USTS**	Rel5	WG RAN1
32	1997	**FS on UE antenna efficency test method performance requi**	Rel5	WG RAN4
33	2494	**FS on the re-introduction of the downlink SIR measuremen**	Rel5	WG RAN4
34	24001	**FS on UTRA WideBand Distribution Systems**	Rel5	WG RAN4
35	2493	**FS on mitigating the effect of CPICH interference at the UE**	Rel5	WG RAN4
36	24003	**FS for the viable deployment of UTRA in additional and div**	Rel6	WG RAN4
37	21000	**FS on Improvement of inter-frequency and inter-system mea**	Rel5	WG RAN1
38	**1839**	**Conformance Test Spec. improvements in Radio Interface**		**WG T1**
39	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	WG T1
40	2211	Testing Hybrid ARQ II/III	Rel5	WG T1
41	9	**RAN improvements**	**NA**	**TSG RAN**
42	656	**RRM optimization for Iur and Iub**	**Rel5**	**WG RAN3**
43	23000	Iur common transport channel efficiency optimisation		WG RAN3
44	23001	Iur neighbouring cell reporting efficiency optimisation		WG RAN3
45	23002	Introduction of direct transport bearers between SRNC and Node-B		WG RAN3
46	2488	**RL Timing Adjustment**	Rel5	WG RAN3
47	2489	**Separation of resource reservation and radio link activation**	Rel5	WG RAN3
48	2490	**Improvement of Radio Resource Management across RNS a**	Rel5	WG RAN3
49	2491	**Re-arrangements of Iub transport bearers**	Rel5	WG RAN3
50	23003	**SRNS Relocation Procedure Enhancement**	Rel5	WG RAN3
51	624	**RAB support enhancement**		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

ID	Unique_II	Name	Release	Resource Na
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
60	**2102**	**Conformance Test Aspects - RAN Improvements**		**WG T1**
61	2222	Testing Radio access bearer support enhancments		WG T1
62	2461	Testing RAB support enhancements-Robust Header Compression	Rel4	WG T1
63	**1273**	**Provisioning of IP-based multimedia services**	**NA**	**WG SA1**
64	**1274**	**Call control and roaming to support IMS in UMTS**	**Rel5**	**WG SA2**
65	1633	Stage 1		WG SA1
66	1514	Stage 2 (Architecture and Main flows)		WG SA2
67	1296	Impact on MM/CC/SM		WG CN1
68	**2233**	SIP Call Control protocol for the IMS		**WG CN1**
69	1998	IMS signalling flows		WG CN1
70	1278	IMS stage 3		WG CN1
71	2255	IMS Session Handling; stage 2		WG CN1
72	**10004**	Main IETF dependencies		**TSG CN**
73	2521	IETF: draft-ietf-sip-rfc2543bis (Session Initiation Protocol)		WG CN1
74	2523	IETF: draft-sip-100rel		WG CN1
75	2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration		WG CN1
76	2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity an		WG CN1
77	2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authoriza		WG CN1
78	11000	IETF: draft-ietf-sip-events (specific event notification)		WG CN1
79	11001	IETF: draft-ietf-sip-refer (refer method)		WG CN1
80	11002	IETF: draft-ietf-dhc-dhcpv6 (DHCP options for SIP servers)		WG CN1
81	11003	IETF: draft-ietf-sip-replaces (SIP replaces header)		WG CN1
82	11004	IETF: draft-ietf-avt-rtp-amr (AMR and AMR WB RTP and SDP)		WG CN1
83	11005	IETF: draft-ietf-mmusic-sdp-new (IPv6 support within SDP)		WG CN1
84	**1290**	Addressing		**WG SA2**

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ID	Unique_II	Name	Release	Resource Na
85	1291	Architectural issues		WG SA2
86	1292	Impact on HSS		WG CN4
87	**2530**	Service Examples		**WG SA1**
88	2531	IMS Framework Report		WG SA1
89	**1298**	**Access Security for IMS**	**Rel5**	**WG SA3**
90	33000	SA3 task		WG SA3
91	43000	IMS impacts on UICC		WG T3
92	11014	SIP extensions for Integrity protection		WG CN1
93	2574	**Security Aspects of Requirement for Network Configuration**	Rel5	WG SA3
94	1299	**Lawful interception**	TBD	WG SA3
95	0	**(copy) GERAN support of IMS**		TSG GERAN
96	35007	**Charging and OAM&P for IMS**	Rel5	WG SA5
97	0	**(copy) End-to-end QoS**		WG SA2
98	**2047**	**Interworking between IMS and CS networks**	**TBD**	**WG CN3**
99	13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)		WG CN3
100	13003	ITU-T dependency on Q.2150.3 (SCTP)		WG CN3
101	14000	**SIP SS and relationship to Mg, Mw, Cx**	TBD	WG CN4
102	**2036**	**Multimedia codecs and protocols for conversational PS ser**	**Rel5**	**WG SA4**
103	2039	Codecs		WG SA4
104	34020	Transport protocols	Rel5	WG SA4
105	2040	performance characterisation of codec		WG SA4
106	34006	recommendation for QoS parameter values for various media types		WG SA4
107	**32003**	**SIP message compression**	**Rel5**	**WG SA2**
108	32004	Stage 2		WG SA2
109	11015	Compression signalling		WG CN1
110	**10001**	**Stage 3 description of IMS interfaces**	**Rel5**	**TSG CN**
111	1286	Cx interface (HSS to CSCF)		WG CN4
112	14001	Mc interface (IM-MGW to MGCF) enhancements		WG CN4

ID	Unique_II	Name	Release	Resource Na
113	14997	Mp interface (MRFC - MRFP) enhancements		WG CN4
114	11016	Mw interface (CSCF to P-CSCF)		WG CN1
115	11017	Mm interface (CSCF to external IP multimedia network)		WG CN1
116	14002	Mg interface (BGCF to MGCF - interworking with CS)		WG CN1
117	11018	Mr interface (CSCF to MRF)		WG CN1
118	14003	Dx interface (I-CSCF to SLF)		WG CN4
119	13001	Go interface (GGSN to PCF)		WG CN3
120	11019	ISC (IMS Service Control) Interface		WG CN1
121	14006	Sh interface (HSS to AS)		WG CN4
122	14998	Si interface (HSS to IM-SSF)		WG CN4
123	11020	Gm interface (UE to CSCF)		WG CN1
124	1310	**Support of VHE/OSA by entities and protocols of the IMS (e.**	Rel5	WG CN5
125	**12000**	**Support of CAMEL by the IMS**	**Rel5**	**WG CN2**
126	12001	Stage2 work 'general'		WG CN2
127	12002	Stage3 work 'CAP'		WG CN2
128	12003	Stage2 work 'Si interface'		WG CN2
129	12004	Stage3 work 'Si interface'		WG CN4
130	14004	SDM issues for CAMEL control of IMS		WG CN4
131	31002	**Pre-pay/real-time charging in IMS**	TBD	WG SA1
132	**35005**	**Charging**	**Rel5**	**WG SA5**
133	32006	Charging Implications of IMS architecture		WG SA2
134	35006	Charging management for IMS (off-line & on-line)		WG SA5
135	**10002**	**Other IETF depencies**	**Rel5**	**TSG CN**
136	11011	IETF: draft-ietf-aaa-diameter - should be CN4		TSG CN
137	11999	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4		TSG CN
138	1913	**Start Testing**	Rel5	MLST
139	1844	**Conformance Test Aspects - Provisioning of IMS**		WG T1
140	**32021**	**IMS Phase 2**	**Rel6**	

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ID	Unique_II	Name	Release	Resource Na
141	32015	**Radio optimisation impacts on PS domain architecture**	Rel6	WG SA2
142	**2048**	**Interworking between IMS and IP networks**	**Rel6**	**WG CN3**
143	13004	Interworking for 3GPP_SIP and IETF_SIP		WG CN3
144	13005	Interworking for IPv6 to IPv4		WG CN3
145	**32005**	**IMS Local services**	**TBD**	**WG SA2**
146	32019	Stage 2		WG SA2
147	**34001**	**Extended Transparent End-to-End PS Streaming Service**	**Rel5**	**WG SA4**
148	34002	**Stage 1**		WG SA1
149	34003	**Stage 2 (version Rel5 of TS 26.234)**		WG SA4
150	34019	**RTP usage model**		WG SA4
151	**1652**	**Emergency call enhancements**	**Rel6**	**WG CN1**
152	**1653**	**For IP & PS based calls**	**Rel6**	**WG CN1**
153	1314	Service Requirements for IP-based emergency calls		WG SA1
154	1315	SIP emergency calls and packet emergency calls signalling flowsl		WG CN1
155	1316	Stage 2 for emergency calls and packet emergency calls in general		WG SA2
156	1317	Distinction of emergency call types to different emergency services		WG CN1
157	1646	Stage 3 for emergency calls and packet emergency calls in general		WG CN1
158	2224	Conformance Test Aspects - Emergency call enhancements		WG T1
159	2225	Testing Stage 3 for emergency calls and packet emergency calls in gene		WG T1
160	**1517**	**Global Text Telephony**	**Rel5**	**WG SA2**
161	1634	**Stage 1**		WG SA1
162	1519	**Stage 2**		WG SA2
163	**2234**	**Specification of Cellular Text telephone Modem**		**WG SA4**
164	2238	General description and C-code		WG SA4
165	2237	Minimum Performance requirements		WG SA4
166	1915	**Start Testing**		MLST
167	1852	**Conformance Test Aspects - Global Text telephony**		WG T1
168	**1637**	**OSA enhancements for Rel-5**	**NA**	**WG SA1**

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169	**32020**	**General issues**	**Rel5**	
170	32010	General Stage 2 for Rel5		WG SA2
171	15001	Framework for Stage 3	Rel5	WG CN5
172	**1429**	**OSA APIs for Multimedia Call Control**	**Rel5**	**WG SA2**
173	1430	Stage 1		WG SA1
174	15002	(Multimedia) Call Control - Stages 2 and 3		WG CN5
175	**1433**	**Retrieval of Terminal capabilities**	**Rel5**	**WG SA2**
176	1434	Stage 1		WG SA1
177	1436	Stages 2 and 3		WG CN5
178	2122	Provisionning of the terminal capabilities		WG T2
179	15003	**Generic user interaction - Stage 3**	Rel5	WG CN5
180	15004	**Charging - Stage 3**	Rel5	WG CN5
181	15005	**Policy Management - Stage 3**	Rel5	WG CN5
182	15006	**Presence and Availability Management (PAM) - Stage 3**	Rel5	WG CN5
183	15007	**Call Control Service Mapping; Multiparty Call Control SIP -**	Rel5	WG CN5
184	15999	**WSDL APIs for SOAP/HTTP - Stage 3**	Rel5	WG CN5
185	**2538**	**Interaction with Rel-5 features**	**Rel5**	**WG SA1**
186	2539	Access to Presence information		WG SA1
187	2540	Access to User Profile		WG SA1
188	2541	Policy Management		WG SA1
189	**1419**	**OSA security**	**Rel5**	**WG SA3**
190	2121	Stage 1		WG SA1
191	1421	Stage 3		WG SA3
192	1422	security related SCF(s) definition		WG CN5
193	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLF		WG SA3
194	1621	impact on terminal		WG T2
195	**1786**	**CHECK STATUS - LCS - OSA interfaces**	**Rel5**	**WG SA1**
196	1787	Stage 1		WG SA1

ID	Unique_II	Name	Release	Resource Na
197	2124	Stage 2		WG SA2
198	1788	Stage 3		WG CN5
199	1638	**CAMEL phase 4**	Rel5	**WG SA1**
200	1461	**Service requirements**		WG SA1
201	2011	**Charging notification to the CSE**		WG CN2
202	2012	**Call Party Handling**		WG CN2
203	2013	**Mid call procedure for MO and MT calls**		WG CN2
204	2014	**Interactions with Optimal Routing**		WG CN2
205	2015	**Inclusion of flexible tone injection**		WG CN2
206	2016	**CSE control over MT SMS**		WG CN2
207	2460	**Notification of GPRS mobility management to CSE**		WG CN2
208	2459	**Enhancement of dialled services**		WG CN2
209	2458	**Provision of location information of called subscriber**		WG CN2
210	2514	**Inclusion of ODB data in the CSE_HLR interface**		WG CN2
211	2515	**Location information during an ongoing call (Handover DP)**		WG CN2
212	2516	**GPRS Any Time Interrogation**		WG CN2
213	2599	**Transfer of IMEISV to CSE**		WG CN2
214	2464	**Rel-5 MExE enhancements**	Rel5	**WG T2**
215	2465	**MExE Rel-5 Security Analysis**		WG T2
216	2466	**MExE Rel-5 Improvements and Investigations**		WG T2
217	1625	**Wideband Telephony Service - AMR**	Rel5	**WG SA4**
218	62	**Specification**		**WG SA4**
219	31005	Stage 1		WG SA1
220	32007	Stage 2		**WG SA4**
221	1459	Design Constraints		WG SA4
222	1460	General Description		WG SA4
223	1626	Feasibility Study		WG SA4
224	67	Codec issues		**WG SA4**

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225	1627	Codec qualification		WG SA4
226	74	Codec selection tests		WG SA4
227	891	Codec selection		WG SA4
228	34007	TFO AMR-WB		WG SA4
229	890	Other codec issues (verif., caracterisation)		WG SA4
230	34008	AMR-WB and narrrowband interworking		WG SA4
231	34009	Interworking with fixed broadband networks		WG SA4
232	34010	Tones and announcements		WG SA4
233	34011	WB Conferencing and WB Voice Group calls		WG SA1
234	34012	Billing, accounting and call detail record aspects		WG SA5
235	1989	Start Testing		MLST
236	1855	Conformance tests (CRs to 34 series)		WG T1
237	**76**	**Terminal Acoustic Characteristics**		**WG SA4**
238	1628	Definition		WG SA4
239	1629	Test specification		WG SA4
240	34004	**Floating-point ANSI-C code for the AMR-WB speech codec**		WG SA4
241	**889**	**Implementation**		**WG SA4**
242	**893**	In UTRAN		**TSG RAN**
243	34014	Codec selection and GSM-UTRAN interworking		TSG RAN
244	34015	Radio Access Bearer optimisation		TSG RAN
245	34016	Radio Access Bearer renegotiation (impact at least on 23.018)		TSG RAN
246	**80**	Support of AMR-WB in GERAN		**TSG GERAN**
247	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 45.003		TSG GERAN
248	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A interface		TSG GERAN
249	2267	GMSK and 8PSK WB FR / HR support - Signalling for Iu		TSG GERAN
250	2268	Receiver performance in TS 45.005		TSG GERAN
251	50000	Adaptation of subscriber data in HLR/VLR		TSG GERAN
252	**2269**	GERAN MS conformance test for AMR-WB		**TSG GERAN**

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ID	Unique_II	Name	Release	Resource Na
253	2270	MS test		TSG GERAN
254	**2271**	GERAN BTS conformance test for AMR-WB		**TSG GERAN**
255	2272	BTS test		TSG GERAN
256	1656	N1 Aspects		WG CN1
257	14005	N4 work		WG CN4
258	**1826**	**Terminal interfaces**	**NA**	**WG T2**
259	2573	**Terminal local model enhancements**	Rel5	WG T2
260	**1536**	**Location Services enhancements**	**NA**	**WG SA2**
261	**1600**	**UE positioning**	**NA**	**TSG RAN**
262	2457	UE positioning enhancements - other methods		WG RAN2
263	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	WG RAN2
264	**2475**	**Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 p**	**Rel5**	**WG RAN2**
265	2127	Stage 2		WG SA2
266	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5	WG RAN2
267	**1171**	**Event based and Periodic LCS**	**Rel5**	**WG SA1**
268	1641	Stage 1		WG SA1
269	1538	Stage 2 specification		WG SA2
270	1179	Impact on MAP		WG CN4
271	**2436**	**Location Services for GERAN in A/Gb Mode**	**Rel5**	**TSG GERAN**
272	2437	GERAN LCS Stage 2 (first release)		VG GERAN2
273	2438	Gb interface support for LCS		TSG GERAN
274	2440	L3 protocol support for LCS		TSG GERAN
275	2441	Stage 3 specifications		TSG GERAN
276	**2442**	**Location Services for GERAN in Iu Mode**	**Rel5**	**TSG GERAN**
277	2443	GERAN LCS Stage 2		VG GERAN2
278	2444	Iu-ps interface support for LCS		VG GERAN2
279	2445	Iu-cs interface support for LCS		VG GERAN2
280	2446	Iur-g interface support for LCS		VG GERAN2

ID	Unique_II	Name	Release	Resource Na
281	2447	RRC protocol support for LCS		VG GERAN2
282	2448	Additional impacts on Broadcast of LCS data on packet channels		VG GERAN2
283	2449	Stage 3 specifications		VG GERAN2
284	32001	**Enhanced support for user privacy and subscriber data han**	Rel5	WG SA2
285	544	**LCS interoperation stage 2 aspects**		WG SA2
286	**2434**	**LCS interoperability aspects to GERAN**		**TSG GERAN**
287	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and (		VG GERAN1
288	**2450**	**GERAN MS Conformance test for LCS**		**VG GERAN4**
289	2451	MS test		VG GERAN4
290	**2452**	**GERAN BTS Conformance test for LCS**		**VG GERAN3**
291	2453	BTS test		VG GERAN3
292	52003	**Uplink TDOA feasibility study**		VG GERAN3
293	1183	**FS on LCS support in the IMS**		WG SA1
294	35008	**Charging and OAM&P for LCS enhancements**	Rel5	WG SA5
295	521	**New security aspects of LCS (not identified)**	Rel5	WG SA3
296	32011	**Specification for the Le Interface**	Rel5	WG SA2
297	32012	**Support of the Presence Service Architecture**	Rel5	WG SA2
298	**1800**	**(U)SIM toolkit enhancements**	**NA**	**WG T3**
299	**1801**	**Protocol Standardisation of a SIM Toolkit Interpreter**	**Rel5**	**WG T3**
300	2497	Stage 1		WG T3
301	2496	Stage 2 and 3		WG T3
302	2518	Test specification		WG T3
303	**1802**	**UICC API**	**NA**	**WG T3**
304	**2031**	C SIM API	**Rel5**	**WG T3**
305	2032	Specification		WG T3
306	2033	Test specification		WG T3
307	**1571**	**Security enhancements**	**NA**	**WG SA3**
308	**1583**	**MAP application layer security**	**Rel4**	**WG SA3**

ID	Unique_II	Name	Release	Resource Na
309	1584	Main aspects		WG SA3
310	2025	Other stage 3 aspects		WG CN4
311	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3
312	**1576**	**Network domain security**	**Rel5**	**WG SA3**
313	**1577**	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provide		**WG SA3**
314	1578	Main aspects		WG SA3
315	1579	Integration of GTP signalling security architecture		WG CN4
316	**1580**	User plane protection in core network (e.g., provided by IPsec)		**WG SA3**
317	1581	Main aspects		WG SA3
318	1582	Integration of GTP signalling security architecture		WG CN4
319	2576	IP network layer security (NDS/IP)		WG SA3
320	**2026**	**Enhanced HE control of security (including positive authent**	**Rel6**	**WG SA3**
321	2027	Stage 2		WG SA3
322	2028	FS on Network impacts		WG CN4
323	**33003**	**Rel-6 MAP application layer security**	**Rel5**	**WG SA3**
324	33004	Main aspects		WG SA3
325	33005	STAGE 3 for KEY distribution		WG CN4
326	**1861**	**Miscelleneous UE Conformance Testing Activities**	**NA**	**WG T1**
327	1862	**Optimisation of Test Time, RF Aspects (FDD)**	el Indep	WG T1
328	1863	**Optimisation of Test Time, RF Aspects (TDD)**	el Indep	WG T1
329	1907	**Extensions to R99 Test cases**		WG T1
330	2564	**Extension to R99 Test cases - TTCN**		WG T1
331	2565	**Creation of R99 TCs for TDD - prose**		WG T1
332	2566	**Creation of R99 TCs for TDD - TTCN**		WG T1
333	1908	**Review all other work items for impact on new or exiting 34**		WG T1
334	**1365**	**Support of Push Services**	**Rel6**	**WG SA1**
335	31004	**Stage 1**		WG SA1
336	32000	**TR on feasibility study**		WG SA2

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					, 2001 / Qtr 1, 2002 / Qtr 2, 2002 / Qtr 3, 2002 / Qtr 4, 2002 / Qtr 1, 2003 / Qtr
					Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr
337	42005	**Rel-6 MExE enhancements**	**Rel6**	**WG T2**	
338	42006	**MExE Rel-6 Improvements and Investigations**		WG T2	
339	42007	**MExE Run-Time Independent Framework Feasibility Study**		WG T2	
340	1142	**Charging and OAM&P**	**NA**	**WG SA5**	
341	35002	**Rel5 Principles, high level Requirements and Architecture**	Rel5	WG SA5	
342	35003	**Rel5 Performance Management**	Rel5	WG SA5	
343	35004	**Rel5 Charging Management**	Rel5	WG SA5	
344	35001	**Network Infrastructure Management**	Rel5	WG SA5	
345	2062	**Subscription Management**	Rel6	WG SA5	
346	2243	**Intra Domain Connection of RAN Nodes to Multiple CN N**	**Rel5**	**WG SA2**	
347	2244	**Overall System Architecture**		WG SA2	
348	20000	**Stage 3: RAN node selecting CN node**		WG RAN3	
349	2246	**GERAN work**		**WG GERAN2**	
350	52001	Stage 2		WG GERAN2	
351	52002	Stage 3		WG GERAN2	
352	2248	**N1 work**		WG CN1	
353	2249	**N4 work**		WG CN4	
354	2320	**GERAN improvements 3 (new transport layer on interface**	**Rel5**	**TSG GERAN**	
355	2321	**Evolution of the transport for A**		**TSG GERAN**	
356	2322	Definition of a new A/Ater interface Transport Layer option based on the		TSG GERAN	
357	2323	Adaptation of the Layer 3 BSSMAP procedures as required		TSG GERAN	
358	2330	**GERAN support for IMS**	**TBD**	**TSG GERAN**	
359	2331	**GERAN Header adaptation**		**A2;TSG RAN**	
360	2332	Definition of compression and removal modes for PDCP protocol		A2;TSG RAN	
361	2333	Conceptual description in stage 2		A2;TSG RAN	
362	2334	Necessary changes on stage 3 regarding header removal		A2;TSG RAN	
363	2335	**GERAN Radio access bearer design for IMS**		**A2;TSG RAN**	
364	2422	MuM control signalling for conversational multimedia services		**A2;TSG RAN**	

ID	Unique_II	Name	Release	Resource Na
365	2431	Identification of requirements		A2;TSG RAN
366	2337	Necessary modifications due to SIP		A2;TSG RAN
367	**2338**	**Physical layer multiplexing**		**TSG GERAN**
368	2339	Stage 2		TSG GERAN
369	2432	Stage 3		TSG GERAN
370	**2341**	**GERAN MS Conformance test for support of IMS**		**TSG GERAN**
371	2342	MS test		WG GERAN4
372	**2343**	**GERAN BTS Conformance test for support of IMS**		**TSG GERAN**
373	2344	BTS test		WG GERAN3
374	**2345**	**Alignment of 3G functional split and Iu**	**TBD**	**TSG GERAN**
375	**2346**	**GERAN user / control plane**		**TSG GERAN**
376	**2347**	**Alignment with UMTS bearer concept**		**TSG GERAN**
377	50300	Enhanced power control		TSG GERAN
378	2423	Stage 2		TSG GERAN
379	2348	Adoption of the UTRAN PDCP		TSG GERAN
380	2349	Development of RLC / MAC		WG GERAN2
381	2350	Development of GERAN RRC		WG GERAN2
382	2351	Ciphering and integrity protection Concept paper		WG GERAN2
383	50302	Multiple TBF or equivalent Concept paper		WG GERAN2
384	50303	Paging concept		WG GERAN2
385	2352	Dedicated physical subchannels. Includes traffic and control channe		WG GERAN1
386	2353	Iu support and broadcast concept		WG GERAN2
387	2354	Impact of using RLC instead of LAPDm concept		WG GERAN2
388	2355	Contention resolution, mobile station identity, and access concept		WG GERAN2
389	50304	PDCP concept		WG GERAN2
390	50305	Downlink delayedTBF release		WG GERAN2
391	50306	Add transparent RLC Concept		WG GERAN2
392	50307	Handover concept		WG GERAN2

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393	**2424**	Physical layer alignment with UMTS bearer concept		**TSG GERAN**							
394	2356	PDTCH/TCH in 45.003		TSG GERAN							
395	2357	Control channels in 45.003		TSG GERAN							
396	2358	Receiver performance in 45.005 for PDTCH/TCH and control channel		TSG GERAN							
397	**2359**	**Iu rg interface**		**TSG GERAN**							
398	**2425**	Inter BSS interface		**TSG GERAN**							
399	2360	Identification of requirements		TSG GERAN							
400	2361	Stage 2		TSG GERAN							
401	2362	Adoption of relevant parts from Iur		TSG GERAN							
402	2363	Complementation with GERAN specifics		TSG GERAN							
403	2364	New stage 3		TSG GERAN							
404	**2426**	Inter BSS-RNS interface		**N;WG RAN3**							
405	2365	Identification of requirements		N;WG RAN3							
406	2366	Stage 2		N;WG RAN3							
407	2367	Adoption of relevant parts from Iur		N;WG RAN3							
408	2368	Complementation with GERAN specifics		N;WG RAN3							
409	2369	New stage 3		N;WG RAN3							
410	**2370**	**Voice over GERAN PS and CS concept**		**N;WG RAN3**							
411	2371	Architecture for A, Iu cs and Iu ps		N;WG RAN3							
412	2372	Transcoder position/operation		TSG GERAN							
413	2373	Handover		N;WG RAN3							
414	2374	RTP payload		N;WG RAN3							
415	2375	Codec renegotiation concept		N;WG RAN3							
416	2376	LA		TSG GERAN							
417	**2377**	**GERAN Narrowband speech realization**		**TSG GERAN**							
418	**2427**	8-PSK NB HR		**WG GERAN1**							
419	2378	Channel coding in 45.003		WG GERAN1							
420	2379	Signallimg for A interface		WG GERAN1							

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421	2380	Signallimg for Iu		WG GERAN1
422	2381	Link adaptation in 45.009		WG GERAN1
423	2382	Receiver performance in 45.005		WG GERAN1
424	**2428**	8-PSK NB QR		**TSG GERAN**
425	2383	Channel coding in 45.003		TSG GERAN
426	2384	Signallimg for A interface		TSG GERAN
427	2385	Signallimg for Iu		TSG GERAN
428	2386	Link adaptation in 45.009		TSG GERAN
429	2387	Receiver performance in 45.005		TSG GERAN
430	**2388**	**GERAN MS Conformance test for GERAN interface evolution**		**TSG GERAN**
431	2389	MS test		TSG GERAN
432	**2390**	**GERAN MS Conformance test for GERAN interface evolution**		**TSG GERAN**
433	2391	BSS test		TSG GERAN
434	**2392**	**GERAN enhancements for streaming services 1**	**Rel5**	**TSG GERAN**
435	**2393**	**GERAN enhancements for streaming services 1**		**TSG GERAN**
436	2394	Concept		TSG GERAN
437	2395	RLC protocol enhancement (SDU Discard)		TSG GERAN
438	**2396**	**GERAN enhancements for streaming services 2**	**Rel5**	**TSG GERAN**
439	**2397**	**GERAN enhancements for streaming services 2**		**TSG GERAN**
440	2398	Usage of ECSD Concept		TSG GERAN
441	2399	Stage 2		TSG GERAN
442	2400	Stage 3		TSG GERAN
443	2401	RLC PDU formats		TSG GERAN
444	2402	MAC header		TSG GERAN
445	**2412**	**GERAN/UTRAN interface evolution 1 (evolution of Iu PS)**	**Rel5**	**N;WG RAN3**
446	**2413**	**Evolution of Iu ps**		**N;WG RAN3**
447	2414	Identification of GERAN requirements on Iu ps		N;WG RAN3
448	2415	Update of specifications		N;WG RAN3

ID	Unique_II	Name	Release	Resource Na
449	2416	**GERAN/UTRAN interface evolution 2 (evolution of Iu CS)**	**Rel5**	**N;WG RAN3**
450	2417	**Evolution of Iu cs**		**N;WG RAN3**
451	2418	Identification of GERAN requirements on Iu cs		N;WG RAN3
452	2419	Update of specifications		N;WG RAN3
453	2499	**Support of Presence Capability**	**Rel6**	**WG SA1**
454	2501	**Stage 1**		WG SA1
455	2502	**Stage 2**		WG SA2
456	2503	**Stage 3**		WG CN1
457	2504	**Security issues**		WG SA3
458	2505	**USIM issues**		WG T3
459	2506	**UE issues**		WG T2
460	2520	**User Equipment Management**	**Rel5**	**WG SA5**
461	35000	**FS on User Equipment (UE) Management**	Rel5	WG SA5
462	2527	**Emergency calls without UICC/SIM in netw. with IMS**	**Rel6**	**WG SA2**
463	32014	**Stage 2**		WG SA2
464	2528	**Stage 3 work for CN1**		WG CN1
465	2556	**End to End QoS for PS Domain including IMS**	**Rel5**	**WG SA2**
466	2557	**E2E QoSConcept and Architecture**		WG SA2
467	2558	**E2E QoS interworking**		**WG CN3**
468	13007	IETF draft-ietf-diffserv-pib		WG CN3
469	13008	IETF draft-hamer-rap-cops-umts-go		WG CN3
470	13009	IETF draft-rap-frameworkpib-07		WG CN3
471	2559	**QoS Management (Provisioning and Monitoring)**		WG SA5
472	2569	**Messaging enhancements Rel-5**	**Rel5**	**WG T2**
473	2571	**Multimedia Messaging (MMS) enhancements**		**WG T2**
474	31000	Definition of service requirements	Rel5	WG SA1
475	42000	Technical realization		WG T2
476	34018	MMS formats and codecs		WG SA4

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477	2572	**Enhanced Messaging Service (EMS) enhancements**		**WG T2**	
478	31001	Definition of service requirements		WG SA1	
479	42001	Technical realization		WG T2	
480	50001	**GERAN Inter BSC NACC improvements over the Gb Inte**	**Rel5**	**TSG GERAN**	
481	14501	**Modification of core network protocols for GERAN Inter BSC**		**:N4;WG SA2**	
482	32502	Stage 2 - Concept		:N4;WG SA2	
483	14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC		:N4;WG SA2	
484	14503	Stage 3 (changes to TS 29.060)		WG CN4	
485	50002	**Modification of Gb protocols for GERAN Inter BSC NACC ov**		**TSG GERAN**	
486	50003	Stage 3 (changes to TS 48.018)		TSG GERAN	
487	50033	**Enhanced Power Control**	**Rel5**	**TSG GERAN**	
488	50034	**Realization of Enhanced power control and signaling supp**		TSG GERAN	
489	50035	**GERAN MS Conformance test for Enhanced Power Control**		TSG GERAN	
490	50036	**GERAN BTS Conformance test for Enhanced Power Control**		TSG GERAN	
491	50037	**8PSK AMR HR**	**Rel5**	**TSG GERAN**	
492	50038	**Definition of channel coding, performance requirements an**		TSG GERAN	
493	50039	**GERAN MS Conformance test for 8PSK HR**		TSG GERAN	
494	50040	**GERAN BTS Conformance test for 8PSK HR**		TSG GERAN	
495	50041	**Uplink TDOA feasibility study**	**Rel5**	**TSG GERAN**	
496	50042	**Performing a feasibility study**		TSG GERAN	
497	13000	**Service Change and UDI Fallback**	Rel5	WG CN3	
498	30001	**small Technical Enhancements and Improvements for Re**	Rel5	Generic	
499	35009	**Trace Management**	Rel6	WG SA5	
500	2544	**Multimedia Broadcast and Multicast Service**	**Rel6**	**WG SA1**	
501	2545	**Stage 1**		WG SA1	
502	32002	**Stage 2**		WG SA2	
503	2481	**Enhancement of Broadcast and Introduction of Multicast Ca**		WG RAN2	
504	31006	**Speech Recognition and Speech Enabled Services**	**Rel6**	**WG SA1**	

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505	31007	**Speech Enabled Services Based on Distributed Speech Rec**		WG SA1
506	32999	**Stage 2 of DSR**		WG SA2
507	11021	**SDP protocols extension to include DSR**		WG CN1
508	**31008**	**Generic User Profile**	**Rel6**	**WG SA1**
509	31009	**Stage 1 - Requirements**		WG SA1
510	42002	**Stage 2 - Data description framework**		WG T2
511	32008	**Stage 2 - Architecture**		WG SA2
512	42003	**Stage 3 - Common objects**		WG T2
513	14008	**Stage 3 - Network**		WG CN4
514	**31010**	**Digital Rights Management**	**Rel6**	**WG SA1**
515	31011	**Requirements**		WG SA1
516	32009	**Architecture**		WG SA2
517	33001	**Security**		WG SA3
518	34017	**Codec Aspects**		WG SA4
519	42004	**Terminal Aspects**		WG T2
520	**31012**	**FS on WLAN-UMTS Interworking**	**Rel6**	**WG SA1**
521	31020	**Technical Report**		WG SA1
522	32018	**WLAN Interworking – Architecture Definition**		WG SA2
523	**31015**	**Priority Service**	**Rel6**	**WG SA1**
524	31016	**Feasibility Study**		WG SA1
525	31017	**Stage 1 - Requirements**		WG SA1
526	**31018**	**Network Sharing**	**Rel6**	**WG SA1**
527	31019	**Technical Report**		WG SA1
528	**30000**	**FS on Priority Service**	**Rel6**	**TSG SA**
529	**31013**	**UE Functionality Split**	**Rel6**	**WG SA1**
530	31021	**Technical Report**	Rel5	WG SA1
531	32013	**Stage 2**		WG SA2
532	**32016**	**QoS Improvements**	**NA**	**WG SA2**

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533	32017	**Dynamic Policy control enhancements for end-to-end QoS**	Rel6	WG SA2
534	33002	**Support for subscriber certificates**	Rel6	WG SA3
535	**15010**	**Rel-6 OSA enhancements**	**Rel6**	**WG SA1**
536	15011	**Support of a Generic Network Interface Function (Stage 1&3**		WG CN5
537	15012	**Local services (Stage 1&3)**		WG CN5
538	15013	**Support for MMS Relay/Server to VASP Connectivity (Stage**		WG CN5
539	15014	**Support for the Push-Service (Stage 1&3)**		WG CN5
540	15015	**Enhanced User Notification (Stage 1&3)**		WG CN5
541	15016	**Support for GUP to enable applications access to the Users**		WG CN5
542	15017	**Security**		WG SA3
543	23004	**Shared Network support in connected Mode**	Rel6	WG RAN3
544	**31022**	**IMS Messaging**	**Rel6**	**WG SA1**
545	31023	**TR on support of messaging in the IMS**		WG SA1
546	31024	**CRs to existing 22-series specifications**		WG SA1
547	**31025**	**IMS Group Management**	**Rel6**	**WG SA1**
548	31026	**TS on IMS group management**		WG SA1
549	31027	**Rel-6 Open Service Access**	Rel6	WG SA1
550	31028	**Presence Service Enhancements**	Rel6	WG SA1
551	0	**----- Rel-4 features listed below -----**	Rel4	
552	**1340**	**Facsimile**	**Rel4**	**WG SA1**
553	**1341**	**Real Time Fax**		**WG SA2**
554	1808	Terminal capabilities, AT commands		WG T2
555	1343	Signalling aspects (e.g. ICM)		WG CN1
556	1648	Service provision		WG CN3
557	1345	Review whether service/stage 1 aspects need to be aligned		WG SA1
558	1346	Review whether architecture/stage 2 aspects need to be aligned		WG SA2
559	1539	**Transparent End-to-End PS mobile streaming application**	Rel4	WG SA4
560	**1818**	**Multimedia Messaging**	**Rel4**	**WG T2**

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					Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
561	136	**Definition of service requirements**		WG SA1																		
562	1819	**Review of definition of service requirements**		WG T2																		
563	1820	**Technical Realisation**		**WG T2**																		
564	1821	Review of definition of reference Achitecture model		WG T2																		
565	1822	"Fulfill Requirements of Stage 1"		WG T2																		
566	1823	Definition of MMS primitives in Stage 2		WG T2																		
567	1541	**Transcoder-Free Operation**	Rel4	**WG CN4**																		
568	112	**OoBTC solution**		**WG CN4**																		
569	1512	implementation in UTRAN		WG RAN3																		
570	896	Impact on architecture, Principles and Terminology		WG SA2																		
571	1657	Codec Negotiation between UE and MSC		WG CN1																		
572	115	Codec Negotiation inter MSC		WG CN4																		
573	894	Bearer establishment inter MSC		WG CN4																		
574	1617	Prevention of user fraud		WG SA3																		
575	905	**Speech Transcoder: Location and Control at the UMTS Cor**		**WG SA2**																		
576	124	Transcoder at Edge		TSG CN																		
577	2310	**GERAN improvements 1 (Gb over IP)**	Rel4	**TSG GERAN**																		
578	2311	**Gb over IP (Ip-fication of Gb)**		**TSG GERAN**																		
579	2312	Concept		TSG GERAN																		
580	2313	Changes to 08.16, 08.18		TSG GERAN																		
581	2314	**GERAN improvements 2 (NACC)**	Rel4	**TSG GERAN**	▬▬▬▬▬◆																	
582	2315	**Gb enhancements**		**TSG GERAN**																		
583	2316	NACC (Network Assisted Cell Change)		**TSG GERAN**																		
584	2420	Concept		TSG GERAN																		
585	2317	Changes in 03.64		TSG GERAN																		
586	2318	Changes in 04.60		TSG GERAN																		
587	2319	Changes in 44.008		TSG GERAN																		
588	0	**Start Testing**																				

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589	50030	**NMS conformance test for Intra BSC NACC**		TSG GERAN							
590	**2324**	**GERAN improvements 4 (Delayed TBF)**	**Rel4**	**TSG GERAN**							
591	**2325**	**Gb enhancements 2**		**TSG GERAN**							
592	2429	stage 2		TSG GERAN							
593	**2421**	Stage 3 (changes in 44.060)		**NG GERAN2**							
594	2327	Definition of enhanced countdown procedure		NG GERAN2							
595	2328	Definition of enhanced TBF release procedure		NG GERAN2							
596	2329	Definition of USF=FREE type polling mechanism on PDCH		NG GERAN2							
597	**1222**	**Low Chip Rate TDD option**	**Rel4**	**WG RAN1**	esting						
598	1223	**Physical layer**		WG RAN1							
599	1224	**Layer 2 and layer 3 protocol aspects**		WG RAN2							
600	1225	**RF radio transmission/reception, system performance requi**		WG RAN4							
601	1227	**UE radio access capability**		WG RAN2							
602	1228	**Iub/Iur protocol aspects**		WG RAN3							
603	**2262**	**Low chiprate TDD interworking with GERAN**									
604	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD									
605	1911	**Start Testing**		MLST	sting						
606	**2103**	**Conformance Test Aspects - Low Chip Rate TDD**		**WG T1**							
607	2217	Testing Layer 2 and layer 3 protocol aspects		WG T1							
608	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN		WG T1							
609	2218	Testing RF Radio Transmission and Reception		WG T1							
610	**1322**	**Enable bearer independent CS architecture**	**Rel4**	**WG SA2**							
611	**1323**	**Enable bearer-independent call control**		**WG CN4**							
612	1516	Architecture and Stage 2 description		WG SA2							
613	1325	Standardisation of protocols (control & user planes) over Nb interface		WG CN3							
614	1326	Standardisation of protocols over reference points between MSC server		WG CN4							
615	1616	Standardisation of detailed stage 2 description		WG CN4							
616	**1327**	Bearer control between MSC server and MGW		**WG CN4**							

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617	1328	stage 3 - protocol issues		WG CN4	
618	1329	stage 3 - parameter value issues		WG CN3	
619	1331	**Lawful interception**		WG SA3	
620	1918	**Start Testing**		MLST	
621	2052	**Conformance Test Aspects - Enable bearer independent CS**		WG T1	
622	**1445**	**MExE enhancements Rel-4**	**Rel4**	**WG T2**	
623	**1447**	**MExE Security Analysis Activity**		**WG SA3**	
624	2045	Stage 3		WG SA3	
625	1448	Terminal aspects		WG T2	
626	**1810**	**MExE Rel4 Improvements and Investigations**		**WG T2**	
627	1812	3rd MExE classmark		WG T2	
628	1814	FS on Secure download mechanism and capabilities to support SDR con		WG T2	
629	1815	FS on Support of MP3/MPEG4 content		WG T2	
630	**1631**	**Tandem Free aspects for 3G and between 2G and 3G sys**	**Rel4**	**WG SA4**	
631	**1632**	**Tandem Free AMR**		**WG SA4**	
632	130	Specification		WG SA4	
633	**907**	Impact on:		**TSG CN**	
634	131	CN		TSG CN	
635	132	GERAN		TSG GERAN	
636	**2230**	**Advanced Speech Call Items enhancements_REL-4**	**Rel4**	**WG CN1**	
637	2232	**Stage 2**		WG CN4	
638	2231	**Stages 2 and 3 on A interface**		WG CN1	
639	**2403**	**700 MHz spectrum support**	**Rel4**	**TSG GERAN**	
640	**2404**	**GERAN support for the 700 MHz band**		**TSG GERAN**	
641	2405	Signalling support		TSG GERAN	
642	2406	Physical layer definitions		TSG GERAN	
643	2407	Receiver performance and RF budget		TSG GERAN	
644	**2408**	**GERAN MS Conformance test for 700 MHz band**		**TSG GERAN**	

ID	Unique_Il	Name	Release	Resource Na
645	2409	MS test		TSG GERAN
646	**2410**	**GERAN BTS Conformance test for 700 MHz band**		**TSG GERAN**
647	2411	BTS test		TSG GERAN
648	2463	**Operator Determined Barring for Packet Oriented Servi**	Rel4	TSG CN
649	**2546**	**UMTS QoS Architecture for PS Domain**	**Rel4**	**WG SA2**
650	2548	**Architecture**		WG SA2
651	2550	**Charging and OAM&P for QoS Management**		WG SA5
652	**1681**	**RAB Quality of Service (re)Negotiation over Iu**		**WG RAN3**
653	1991	RAB Quality of Service Negotiation over Iu		WG RAN3
654	2456	RAB Quality of Service Negotiation over Iu during relocation		WG RAN3
655	1992	RAB Quality of Service Re-Negotiation over Iu		WG RAN3
656	**1553**	**GERAN QoS Aspects - Handovers: maintenance of real-tim**		**TSG GERAN**
657	**2306**	Handover Concept for the PS domain		**TSG GERAN**
658	2309	Stable RT handover report 25.936 including header removal		TSG GERAN
659	2307	Update of stage 2		TSG GERAN
660	2308	Update of relevant stage 3 specs -> RRC		WG GERAN2
661	**50010**	**GERAN MS Conformance test for inter-system and intra-sys**		**RAN4;RAN3**
662	**50011**	Handover for the PS domain		**RAN4;RAN3**
663	50012	Stable RT handover report 25.936 including header removal		RAN4;RAN3
664	50013	Update of stage 2		RAN4;RAN3
665	50014	Update of relevant stage 3 specs		RAN4;RAN3
666	1685	**PS-domain handover for real-time services**		WG RAN3
667	2554	**RAB QoS Renegotiation at Relocation**		WG RAN3
668	1993	**small Technical Enhancements and Improvements for Re**	Rel4	Generic
669	400002	**Rel-4 Evolutions of the transport in the UTRAN**	**NA**	**TSG RAN**
670	12	**QoS optimisation for AAL2 connections over Iub and Iur int**	Rel4	WG RAN3
671	1995	**Transport bearer modification procedure on Iub, Iur, and Iu**	Rel4	WG RAN3
672	**401834**	**Conformance Test Aspects of Rel-4 evolutions of the transpo**		**WG T1**

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673	2208	Testing RAB support enhancements		WG T1							
674	400004	**Rel-4 Evolutions of the transport in the CN**	NA	**WG CN4**							
675	859	**IP Transport of CN protocols (e.g., CAP, MAP)**	Rel4	**WG CN4**							
676	1679	Stage 3		**WG CN4**							
677	2018	CAP		WG CN2							
678	2019	MAP		WG CN4							
679	2253	BSSAP+		WG CN1							
680	1513	**FS on Transport and control separation in the PS CN doma**	Rel4	**WG SA2**							
681	1615	Architectural impacts		WG SA2							
682	401216	**Rel-4 Improvements of Radio Interface**	NA	**TSG RAN**							
683	1509	**UTRA repeater specification (master)**	Rel4	WG RAN4							
684	1994	**DSCH power control improvement in soft handover**	Rel4	WG RAN1							
685	1996	**UMTS 1800**	el indep	WG RAN4							
686	2467	**UMTS 1900**	el indep	WG RAN4							
687	1219	**FS on High Speed downlink packet access**		WG RAN2							
688	1510	**FS on improved common DL channel for Cell-FACH state**		WG RAN2							
689	401839	**Conformance Test Spec. Rel-4 improvements in Radio Inter**		**WG T1**							
690	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of de		WG T1							
691	2213	Testing Terminal Power saving features		WG T1							
692	2214	Testing DSCH power control improvement in soft handover	Rel4	WG T1							
693	2215	Testing UMTS 1800	el indep	WG T1							
694	41000	Testing UMTS 1900	el indep	WG T1							
695	2561	Testing UMTS 1800 - TTCN	el indep	WG T1							
696	41001	Testing UMTS 1900 - TTCN	el indep	WG T1							
697	400009	**Rel-4 RAN improvements**	NA	**TSG RAN**	Start Testing						
698	655	**Node B synchronisation for TDD**	Rel4	WG RAN1							
699	2206	**RAB support enhancement for Rel-4**	Rel4	WG RAN2							
700	401912	**Start Testing**		MLST	◆ Start Testing						

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701	**402102**	**Conformance Test Aspects - Rel-4 RAN Improvements**		**WG T1**
702	402222	Testing Radio access bearer support enhancments		WG T1
703	402461	Testing RAB support enhancements-Robust Header Compression	Rel4	WG T1
704	**401652**	**Rel-4 Emergency call enhancements**	**NA**	**WG CN1**
705	**1654**	**For CS based calls**	**Rel4**	**WG CN1**
706	1320	Distinction in CS domain of emergency call types to different emergency		WG SA1
707	1999	Distinction in CS domain of emergency calls to different emergency types		WG CN1
708	402224	Conformance Test Aspects - Emergency call enhancements		WG T1
709	2226	Testing CS based emergency calls		WG T1
710	2563	Testing CS based emergency calls - TTCN		WG T1
711	**401637**	**Rel-4 OSA enhancements**	**NA**	**WG SA1**
712	2120	**General Stage 2 for Rel4**	Rel4	WG SA2
713	**401424**	**CHECK STATUS - Interactions OSA - e-commerce**	**Rel5**	**WG SA2**
714	1425	Stage 1		WG SA1
715	1529	Stages 2 and 3		WG CN5
716	**401786**	**CHECK STATUS - LCS - OSA interfaces**	**Rel5**	**WG SA1**
717	401787	Stage 1		WG SA1
718	402124	Stage 2		WG SA2
719	401788	Stage 3		WG CN5
720	**401826**	**Rel-4 Terminal interfaces**	**NA**	**WG T2**
721	**1827**	**AT commands enhancements**	**Rel4**	**WG T2**
722	1828	Specification of AT commands for new services		WG T2
723	1858	UE Conformance test spec. AT command		WG T1
724	**1829**	**Wide Area Data Synchronisation**	**NA**	**WG T2**
725	1830	Continues evolution of Synchronisation protocol	Rel4	WG T2
726	1832	**Terminal local model**	Rel4	WG T2
727	**401536**	**Rel-4 Location Services enhancements**	**NA**	**WG SA2**
728	2229	**CBS interactions**	Rel4	WG T2

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729	523	**LCS support in the CS domain**	Rel4	WG SA2							
730	**525**	**LCS support in the PS domain**	**Rel4**	**WG SA2**							
731	1642	Stage 1		WG SA1							
732	1181	Stage 2		WG SA2							
733	**1180**	Stage 3		**WG CN1**							
734	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPR		WG CN1							
735	2462	MAP impacts of LCS		WG CN4							
736	527	GTP signaling for LCS		WG CN4							
737	**401600**	**UE positioning Rel-4**	**NA**	**TSG RAN**							
738	1601	Iub/Iur interfaces for methods Rel 99	Rel4	WG RAN3							
739	1602	UE positioning enhancements - IPDL for TDD	Rel4	WG RAN2							
740	**401560**	**Rel-4 UICC/(U)SIM enhancements and interworking**	**NA**	**WG T3**							
741	1799	**Common PCN Handset Specification (CPHS)**	Rel4	WG T3							
742	**401800**	**Rel-4 (U)SIM toolkit enhancements**	**NA**	**WG T3**							
743	2034	**USAT local link**	Rel4	WG T3							
744	**401571**	**Rel-4 Security enhancements**	**NA**	**WG SA3**							
745	1587	**Evolution of GSM CS algorithms (e.g. A5/3 development an**	Rel4	WG SA3							
746	**1588**	**Evolution of GSM PS algorithms (e.g. GEA 2 deployment)**	**Rel4**	**WG SA3**							
747	1589	Main aspects		WG SA3							
748	1618	Impact on GTP		WG CN4							
749	1661	GEA capability indication in MS CM		WG CN1							
750	**401583**	**MAP application layer security**	**Rel4**	**WG SA3**							
751	401584	Main aspects		WG SA3							
752	402025	Other stage 3 aspects		WG CN4							
753	401594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3							
754	**401142**	**Rel-4 Charging and OAM&P**	**NA**	**WG SA5**							
755	2089	**Rel4 Principles, high level Requirements and Architecture**	Rel4	WG SA5							
756	2088	**Rel4 Performance Management**	Rel4	WG SA5							

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757	2081	**Fault Management**	Rel4	WG SA5																		
758	2082	**Configuration Management**	Rel4	WG SA5																		
759	2083	**Rel4 Charging Management**	Rel4	WG SA5																		
760	2071	**UTRAN Operations and Maintenance procedures**	Rel4	WG SA5																		

Critical		Baseline Milestone	◆	Rolled Up Split	
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			