

ID	Unique ID	Name	Release	Split	Resource Name	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	2044	VERSION OCT. 11th		No																							
2	1462	"CTRL + a" to display all the 3GPP fields		No																							
3	1463	If MS Project crashes, hide the "hyperlink" field		No																							
4	2058																										
5	96			No																							
6	2	Evolutions of the transport in the UTRAN	NA	Yes	TSG RAN																						
7	625	IP transport in the UTRAN	Rel4	No	WG RAN3																						
8	624	Radio access bearer support enhancement	Rel5	No	WG RAN2																						
9	12	QoS optimisation for AAL2 connections over lub and lur	Rel4	No	WG RAN3																						
10	1995	Migration to modification procedures	Rel4	No	WG RAN3																						
11	1834	Conformance Test Aspects		No	WG T1																						
12	1835	UE Conformance test spec. changes, R4 evolution of UTRAN, Protocol		No	WG T1																						
13	1836	UE Conformance test spec. changes, R4 evolution of UTRAN, TTCN		No	WG T1																						
14	1837	Logical Test Interface, Specification, R4 evolution of UTRAN		No	WG RAN2																						
15	4	Evolutions of the transport in the CN	NA	Yes	WG CN4																						
16	859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel5	No	WG CN4																						
17	1678	Stage 2		No	WG SA2																						
18	1679	Stage 3		No	WG CN4																						
19	2018	CAP		No	WG CN2																						
20	2019	MAP		No	WG CN4																						
21	1513	FS on Transport and control separation in the PS CN domain		No	WG SA2																						
22	1615	Architectural impacts		No	WG SA2																						
23	1614	Protocol impacts		No	WG CN4																						
24	1216	Improvements of Radio Interface	NA	Yes	TSG RAN																						
25	1468	(Copy) Node B synchronisation for TDD		No	WG RAN1																						
26	1470	Improvement of inter-frequency and inter-system measurements	Rel5	No	WG RAN1																						
27	1471	Base station classification	Rel4	No	WG RAN4																						
28	1476	FDD Base station classification		No	WG RAN4																						
29	1477	TDD Base station classification		No	WG RAN4																						

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						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
30	1217	Hybrid ARQ II/III	Rel5	No	WG RAN2																						
31	1218	Improved usage of downlink resource in FDD for CCTrCH	Rel4	No	WG RAN2																						
32	1507	Terminal Power Saving features	Rel4	No	WG RAN1																						
33	1509	UTRA repeater specification (master)	Rel4	No	WG RAN4																						
34	1994	DSCH power control improvement in soft handover	Rel4	No	WG RAN1																						
35	1996	UMTS 1800	Rel4	No	WG RAN4																						
36	1506	FS on Radio link performance enhancements		No	WG RAN1																						
37	1219	FS on High Speed downlink packet access		No	WG RAN2																						
38	1221	FS on USTS		No	WG RAN1																						
39	1510	FS on improved common DL channel for Cell-FACH state		No	WG RAN2																						
40	1997	FS on UE antenna efficiency test method performance re		No	WG RAN4																						
41	1839	Conformance Test Spec. improvements in Radio Interfac		No	WG T1																						
42	1222	Low Chip Rate TDD option	Rel4	No	WG RAN1																						
43	1223	Physical layer		No	WG RAN1																						
44	1224	Layer 2 and layer 3 protocol aspects		No	WG RAN2																						
45	1225	RF radio transmission/reception, system performance re		No	WG RAN4																						
46	1227	UE radio access capability		No	WG RAN2																						
47	1228	Iub/Iur protocol aspects		No	WG RAN3																						
48	1911	Testing		No																							
49	1840	Conformance tests for Low Chip Rate TDD		No	WG T1																						
50	1841	Protocol Conformance tests for Low Chip Rate TDD (TTC		No	WG T1																						
51	9	RAN improvements	NA	Yes	TSG RAN																						
52	1466	Smart antenna	Rel4	No	WG RAN1																						
53	656	RRM optimization for Iur and Iub	Rel4	No	WG RAN3																						
54	655	Node B synchronisation for TDD (Master)	Rel4	No	WG RAN1																						
55	1472	Radio access bearer support enhancement	Rel4	No	WG RAN2																						
56	1680	Header compression removal/stripping in the RAN	Rel5	No	TSG RAN																						
57	1686	Unequal error protection in PS domain in the RAN	Rel5	No	TSG RAN																						
58	1912	Testing		No	WG T1																						

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						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
59	1842	UE Conformance Test Spec. RAN improvements		No	WG T1																						
60	1843	UE Conformance Test Spec.TTCN RAN improvements		No	WG T1																						
61	1273	Provisioning of IP-based multimedia services	Rel5	No	WG SA1																						
62	1274	Call control and roaming to support IP-based multimedia		No	WG SA2																						
63	1633	Stage 1		No	WG SA1																						
64	1514	Stage 2 (Architecture and Main flows)		No	WG SA2																						
65	1277	FS on Impacts on HSS		No	WG CN4																						
66	1998	Stage 2 detailed call flows		No	WG CN1																						
67	1673	MLST: Stage 3 for basic calls		No																							
68	1278	SIP Call Control for the IM subsystem		No	WG CN1																						
69	1804	SIP interactions with the Rel4 Supl Services		No	WG CN1																						
70	1650	Check if any		No	WG SA1																						
71	1651	Stage 3 if applicable		No	WG CN1																						
72	1280	SIP SS and relationship to Mg, Mw and Cx		No	WG CN4																						
73	1281	Multimedia Capabilities		No	WG CN1																						
74	1282	Terminal capabilities		No	WG CN1																						
75	1806	Terminal capabilities and Interactions on running multimedia from		No	WG T2																						
76	1805	Network capabilities		No	WG CN1																						
77	1285	Network capabilities (N4 aspects)		No	WG CN4																						
78	1286	CSCF – HSS (Cx) applications and services (SCP)		No	WG SA2																						
79	1515	Stage 2 flows		No	WG SA2																						
80	2021	Stage 2 flows (N4 ) (see note)		No	WG CN4																						
81	2023	Impacts from CAMEL		No	WG CN4																						
82	1288	Impact on Camel Stage 3		No	WG CN2																						
83	1289	Impact on MAP		No	WG CN4																						
84	2024	Stage 3 protocol on Cx		No	WG CN4																						
85	1290	Addressing, Identities		No	WG SA2																						
86	1291	Architectural issues		No	WG SA2																						
87	1292	Impact on HSS		No	WG CN4																						

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88	1293	Interworking		No	WG CN3																						
89	1294	SIP interworking with other multimedia protocols		No	WG CN3																						
90	1295	Requirements		No	WG SA1																						
91	1296	Impact on MM/CC/SM		No	WG CN1																						
92	2047	Multimedia domain and CS networks Interworking		No	WG CN3																						
93	2048	Multimedia domain and IP networks Interworking		No	WG CN3																						
94	1913	Testing		No																							T
95	1844	UE Conformance Tests for IP-Based MM services		No	WG T1																						
96	1298	Access Security for IP-multimedia services		No	WG SA3																						
97	1299	Lawful interception		No	WG SA3																						
98	1300	RAN improvements and evolution of the bearers on the		No	TSG RAN																						
99	1597	(Copy1) Ensure reliable QoS for PS domain and IM subsy		No	WG SA2																						
100	1303	Billing, charging and management aspects for IP-based		No	WG SA5																						
101	1598	(Copy) AMR-WB		No	WG SA4																						
102	1305	Roaming between IP multimedia and CS domain network		No	WG CN4																						
103	1457	Roaming requirements		No	WG SA1																						
104	1306	Stage 2		No	WG SA2																						
105	1307	Stage 2 review		No	WG CN4																						
106	1456	Internetwork roaming aspects		No	WG CN3																						
107	1807	MExE and MMS interactions		No	WG T2																						
108	1310	Support of VHE/OSA by Rel4 network entities and protocols		No	WG CN5																						
109	1732	Number portability in IM subsystem		No	WG CN4																						
110	2036	Multimedia codecs and protocols for conversational PS		No	WG SA4																						
111	2039	Codecs		No	WG SA4																						
112	2040	performance characterisation of codec		No	WG SA4																						
113	2038	protocols		No	WG SA4																						
114	1539	Transparent End-to-End PS mobile streaming applications	Rel4	No	WG SA4																						
115	1652	Emergency call enhancements	NA	Yes	WG CN1																						
116	1653	For IP & PS based calls	Rel5	No	WG CN1																						

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117	1314	Service Requirements for IP-based emergency calls		No	WG SA1																						
118	1315	SIP emergency calls and packet emergency calls in general		No	WG CN1																						
119	1316	Stage 2 for emergency calls and packet emergency calls in general		No	WG SA2																						
120	1317	Distinction of emergency call types to different emergency services		No	WG CN4																						
121	1646	Stage 3 for emergency calls and packet emergency calls in general		No	WG CN1																						
122	1605	(Copy2) Ensure reliable QoS for PS domain and IM subsystem		No	WG SA2																						
123	1654	For CS based calls	Rel4	No	WG CN1																						
124	1320	Distinction in CS domain of emergency call types to different emerger		No	WG SA1																						
125	1999	Distinction in CS domain of emergency calls to different emergency ty		No	WG CN1																						
126	1321	Emergency call recalling capability enhancement		No	WG CN1																						
127	1322	Enable bearer independent CS architecture	Rel4	No	WG SA2																						
128	1323	Enable bearer-independent call control		No	WG CN4																						
129	1516	Architecture and Stage 2 description on 23.821		No	WG SA2																						
130	1325	Standardisation of protocols (control & user planes) over reference p		No	WG CN3																						
131	1326	Standardisation of protocols over reference points between MSC sei		No	WG CN4																						
132	1616	Standardisation of detailed stage 2 description		No	WG CN4																						
133	1327	Bearer control between MSC server and MGW		No	WG CN4																						
134	1328	stage 3 - protocol issues		No	WG CN4																						
135	1329	stage 3 - parameter value issues		No	WG CN3																						
136	1331	Lawful interception		No	WG SA3																						
137	1332	Bearer Independence and codec control issues		No	WG SA4																						
138	1918	Testing		No																							
139	2052	Conformance Test Aspects		No	WG T1																						
140	1847	UE Conformance test spec., Bearer independent CS, Protocol		No	WG T1																						
141	1848	UE Conformance test spec., Bearer independent CS, TTCN		No	WG T1																						
142	1333	CS multimedia services	Rel4	No	WG SA2																						
143	1338	Stage 1		No	WG SA1																						
144	1339	Stage 2		No	WG SA2																						
145	1655	Circuit-switched multimedia swap and fallback		No	WG CN3																						

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146	1335	Call control and signalling aspects		No	WG CN1																						
147	1336	Transport aspects		No	WG CN3																						
148	1337	Inband signalling		No	WG CN3																						
149	1920	Testing		No																							
150	2056	Conformance Test Aspects		No	WG T1																						
151	1849	UE Conformance test spec. CS multimedia services, Protocol		No	WG T1																						
152	1850	UE Conformance test spec. CS multimedia services, TTCN		No	WG T1																						
153	1340	Facsimile	Rel4	No	WG SA1																						
154	1341	Real Time Fax		No	WG SA2																						
155	1808	Terminal capabilities, AT commands		No	WG T2																						
156	1343	Signalling aspects (e.g. ICM)		No	WG CN1																						
157	1648	Service provision		No	WG CN3																						
158	1345	Review whether service/stage 1 aspects need to be aligned		No	WG SA1																						
159	1346	Review whether architecture/stage 2 aspects need to be aligned		No	WG SA2																						
160	2041	Testing		No																							
161	1851	UE Conformance test spec. Fax, Protocol		No	WG T1																						
162	1517	Global Text telephony	Rel5	No	WG SA2																						
163	1634	Stage 1		No	WG SA1																						
164	1519	Stage 2		No	WG SA2																						
165	1350	Activation and transport		No	WG SA2																						
166	1520	SIP and H.324 Activation and transport		No	WG SA2																						
167	1521	Data Channel Activation and transport		No	WG SA2																						
168	1522	Voice Channel Activation and transport		No	WG SA4																						
169	1523	Selection of transport method		No	WG SA2																						
170	1524	Interworking		No	WG CN3																						
171	1809	Terminal Aspects		No	WG T2																						
172	1357	USIM Aspects		No	WG T3																						
173	2096	GTT using CS multimedia telephony		No	WG SA4																						
174	1915	Testing		No																							

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						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
175	1852	UE Conformance test spec. Global Text, Protocol		No	WG T1																						
176	1526	Bearer Modification without pre-notification	Rel4	No	WG SA1																						
177	1635	Stage 1		No	WG SA1																						
178	1359	Service Modification without pre-notification		No	WG CN3																						
179	1360	In call modify procedure		No	WG CN1																						
180	1361	Interworking function, TAF		No	WG CN3																						
181	1362	Out of band Transcoder Control		No	WG CN4																						
182	1363	AT commands		No	WG T2																						
183	1364	Bearer Modification because of radio conditions		No	WG SA2																						
184	1921	Testing		No																							
185	2057	Conformance Test Aspects		No	WG T1																						
186	1853	UE Conformance test spec. Bearer modification, Protocol		No	WG T1																						
187	1857	UE Conformance test spec. Bearer modification, TTCN		No	WG T1																						
188	1367	VHE enhancements	NA	Yes	WG SA1																						
189	1368	Evolution of VHE concepts (Master)	NA	Yes	WG SA2																						
190	1373	Evolution of VHE within the PS and CS Domain	Rel4	No	WG SA2																						
191	1374	Stage 1		No	WG SA1																						
192	1375	Stage 2		No	WG SA2																						
193	1376	Terminal impacts		No	WG T2																						
194	1404	Introduction of VHE within the IM subsystem	Rel5	No	WG SA2																						
195	1405	Stage 1		No	WG SA1																						
196	1406	Interaction between SIP and VHE/OSA		No	WG SA2																						
197	1407	Stage 2		No	WG SA2																						
198	1408	Stage 3 -MM/CC aspects		No	WG CN1																						
199	1409	Stage 3 -other aspects		No	WG CN5																						
200	1410	Interaction between HSS and gsmSCF features and VHE/OSA		No	WG SA2																						
201	1411	Stage 2		No	WG SA2																						
202	1412	Stage 3 -MM/CC aspects		No	WG CN1																						
203	1413	Stage 3 - MAP aspects		No	WG CN4																						

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204	1414	Stage 3 -other aspects		No	WG CN5																						
205	1415	Interaction between Multi Media network resources and VHE/OS		No	WG SA2																						
206	1416	Stage 2		No	WG SA2																						
207	1417	Stage 3		No	WG CN5																						
208	1923	User Profile Management, User Profile Access		No	WG CN5																						
209	1377	<b>Service Continuity</b>	Rel4	No	WG SA2																						
210	1378	Definition and requirements on VHE within a single domain and between		No	WG SA1																						
211	1379	VHE architecture within a single domain		No	WG SA2																						
212	1380	VHE interworking between domains		No	WG SA2																						
213	1381	<b>Personal Service Environment (PSE), user profiles and u</b>	Rel5	No	WG SA2																						
214	1382	PSE architecture (e.g. HSS) and interfaces		No	WG SA2																						
215	1383	User Profiles definition		No	WG CN4																						
216	1384	<b>Interaction between VHE Toolkits</b>	Rel4	No	WG SA2																						
217	1385	Stage 1		No	WG SA1																						
218	1386	Stage 2		No	WG SA2																						
219	1391	<b>VHE security</b>	Rel4	No	WG SA3																						
220	1392	Requirements		No	WG SA1																						
221	1393	Architecture definition for the different VHE toolboxes		No	WG SA2																						
222	1394	Review of architecture		No	WG SA3																						
223	1395	(possibly) changes required from supporting platforms, e.g. gsmSCF,		No	WG SA3																						
224	1637	<b>OSA enhancements</b>	Rel5	No	WG SA1																						
225	1922	<b>(Copy) Evolution of VHE concepts</b>		No	WG SA2																						
226	1424	<b>Network Service Capability Features (N-SCFs)</b>		No	WG SA2																						
227	1425	User requirements for the OSA N-SCFs		No	WG SA1																						
228	1528	Specify the selection of SCFs within the network architecture (new a		No	WG SA2																						
229	1529	Technical requirements for the OSA N-SCFs		No	WG SA2																						
230	1428	OSA APIs		No	WG CN5																						
231	1429	<b>internal OSA APIs</b>		No	WG SA2																						
232	1430	User requirements		No	WG SA1																						



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233	1530	Technical requirements		No	WG SA2																						
234	1432	Stage 3		No	WG CN5																						
235	1419	<b>OSA security</b>		No	WG SA3																						
236	1420	Technical requirements		No	WG SA2																						
237	1421	Stage 3		No	WG SA3																						
238	1422	security related SCF(s) definition		No	WG CN5																						
239	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF,		No	WG SA3																						
240	1621	impact on terminal		No	WG T2																						
241	1433	<b>Enhancement of the Framework Service Capability Feat</b>		No	WG SA2																						
242	1434	User requirements		No	WG SA1																						
243	1531	Technical requirements		No	WG SA2																						
244	1436	Stage 3		No	WG CN5																						
245	1437	<b>Harmonisation/co-ordination with non UMTS related init</b>		No	WG CN5																						
246	1786	<b>LCS application interfaces (LCS-OSA) (Master)</b>		No	WG SA1																						
247	1787	Service description		No	WG SA1																						
248	1788	Stage 2		No	WG SA2																						
249	1638	<b>CAMEL phase 4</b>	Rel5	No	WG SA1																						
250	1461	<b>Service requirements</b>		No	WG SA1																						
251	2011	<b>Charging notification to the CSE</b>		No	WG CN2																						
252	2012	<b>Call Party Handling</b>		No	WG CN2																						
253	2013	<b>Mid call procedure for MO and MT calls</b>		No	WG CN2																						
254	2014	<b>Interactions with Optimal Routing</b>		No	WG CN2																						
255	2015	<b>Inclusion of flexible tone injection</b>		No	WG CN2																						
256	2016	<b>CSE control over MT SMS</b>		No	WG CN2																						
257	2017	<b>CAMEL applicability to media streams like VoIP</b>		No	WG CN2																						
258	1445	<b>MExE enhancements</b>	NA	Yes	WG T2																						
259	1447	<b>MExE Security</b>	Rel4	No	WG SA3																						
260	2045	Stage 3		No	WG SA3																						
261	1448	Terminal aspects		No	WG T2																						

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262	1810	MExE Improvements and Investigations	Rel4	No	WG T2																						
263	1449	Stage 3		No	WG SA3																						
264	1811	Support of the Terminal parts of the VHE /User Profile		No	WG T2																						
265	1812	3rd MExE classmark		No	WG T2																						
266	1813	FS on AT command support		No	WG T2																						
267	1814	FS on Secure download mechanism and capabilities to support SDR		No	WG T2																						
268	1815	FS on Support of MP3/MPEG4 content		No	WG T2																						
269	1816	FS on Support of SAT/OSA/CAMEL interaction to provide advance se		No	WG T2																						
270	1817	Enhanced security		No	WG T2																						
271	1625	Wideband Telephony Service - AMR (Master)	Rel4	No	WG SA4	Testing																					
272	62	Specification		No	WG SA4	Testing																					
273	1459	Design Constraints		No	WG SA4																						
274	1460	General Description		No	WG SA4																						
275	1626	Feasibility Study		No	WG SA4																						
276	67	Codec issues		No	WG SA4																						
277	1627	Codec qualification		No	WG SA4																						
278	74	Codec selection tests		No	WG SA4																						
279	891	Codec selection		No	WG SA4																						
280	890	Other codec issues		No	WG SA4																						
281	1989	Testing		No																							
282	1855	Conformance tests (CRs to 34 series)		No	WG T1																						
283	76	Terminal Acoustic Characteristics		No	WG SA4																						
284	1628	Definition		No	WG SA4																						
285	1629	Test specification		No	WG SA4																						
286	889	Implementation		No	WG SA4																						
287	893	In UTRAN		No	TSG RAN																						
288	80	In GERAN		No	TSG GERAN																						
289	892	In CN		No	TSG CN																						
290	1656	Impact on N1, see notes		No	WG CN1																						

ID	Unique IC	Name	Release	Split	Resource Name	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
291	1541	Transcoder-Free Operation	Rel4	No	TSG CN																						
292	112	OoBTC solution		No	WG CN4																						
293	1512	implementation in UTRAN		No	WG RAN3																						
294	896	Impact on architecture, Principles and Terminology		No	WG SA2																						
295	1657	Codec Negotiation between UE and MSC		No	WG CN1																						
296	115	Codec Negotiation inter MSC		No	WG CN4																						
297	894	Bearer establishment inter MSC		No	WG CN4																						
298	767	(TB Confirmed) Bearer establishment between MSC and RNC and bet		No	WG RAN3																						
299	897	(TB Confirmed) Notification of the Codec mode to RAN, lu UP control p		No	WG RAN3																						
300	1617	Prevention of user fraud		No	WG SA3																						
301	905	Speech Transcoder: Location and Control at the UMTS C		No	WG SA2																						
302	124	Transcoder at Edge		No	TSG CN																						
303	1631	Tandem Free aspects for 3G and between 2G and 3G s	Rel4	No	WG SA4																						
304	1632	Tandem Free AMR		No	WG SA4																						
305	130	Specification		No	WG SA4																						
306	907	Implementation		No	TSG CN																						
307	131	in CN		No	TSG CN																						
308	908	in UTRAN		No	TSG RAN																						
309	132	in GERAN		No	TSG GERAN																						
310	1818	Multimedia Messaging	Rel4	No	WG T2																						
311	136	Definition of service requirements		No	WG SA1																						
312	1819	Review of definition of service requirements		No	WG T2																						
313	1820	Technical Realisation		No	WG T2																						
314	1532	Definition of reference Achitecture model		No	WG SA2																						
315	1821	Review of definition of reference Achitecture model		No	WG T2																						
316	1822	"Fulfill Requirements of Stage 1"		No	WG T2																						
317	1823	Definition of MMS primitives in Stage 2		No	WG T2																						
318	1826	Terminal interfaces	NA	Yes	WG T2																						
319	1827	AT commands	Rel4	No	WG T2																						

ID	Unique ID	Name	Release	Split	Resource Name	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
320	1828	Specification of AT commands for new services		No	WG T2																						
321	917	Alternatives to AT commands (TBD)		No	WG T2																						
322	1858	UE Conformance test spec. AT command		No	WG T1																						
323	1859	EMMI Specification (see note)		No	WG RAN2																						
324	<b>1829</b>	<b>Wide Area Data Synchronisation</b>	<b>Rel5</b>	<b>No</b>	<b>WG T2</b>																						
325	1830	Continues evolution of Synchronisation protocol		No	WG T2																						
326	1831	vObjects and Other Constructs for Use in Data Synchronisation		No	WG T2																						
327	1860	UE Conformance test spec. Wide area data sync		No	WG T1																						
328	<b>1536</b>	<b>Location Services enhancements</b>	<b>NA</b>	<b>Yes</b>	<b>WG SA2</b>																						
329	512	<b>FS on Geographical Area description: DEfined Geograph</b>		No	WG SA1																						
330	<b>1171</b>	<b>Event based and Periodic LCS</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA1</b>																						
331	1641	Stage 1		No	WG SA1																						
332	1538	Stage 2 specification		No	WG SA2																						
333	1179	Impact on MAP		No	WG CN4																						
334	519	<b>LCS network management in UMTS</b>		No	WG SA5																						
335	521	<b>New security aspects of LCS (not identified)</b>		No	WG SA3																						
336	523	<b>LCS support in the CS domain</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA2</b>																						
337	<b>525</b>	<b>LCS support in the PS domain</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA2</b>																						
338	1642	Stage 1		No	WG SA1																						
339	1181	Stage 2		No	WG SA2																						
340	<b>1180</b>	Stage 3		<b>No</b>	<b>WG CN1</b>																						
341	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-C		No	WG CN1																						
342	527	GTP signaling for LCS		No	WG CN4																						
343	544	<b>LCS interoperation stage 2 aspects</b>		No	WG SA2																						
344	1916	<b>MExE and CBS interactions</b>	<b>Rel4</b>	<b>No</b>	<b>WG T2</b>																						
345	<b>1600</b>	<b>UE positioning</b>	<b>Rel4</b>	<b>No</b>	<b>TSG RAN</b>																						
346	1601	Iub/Iur interfaces for methods Rel 99		No	WG RAN2																						
347	1602	UE positioning enhancements		No	WG RAN2																						
348	1603	(Copy) UTRA repeater specification		No	WG RAN4																						

ID	Unique IC	Name	Release	Split at	Resource Name	Qtr 2, 2000		Qtr 3, 2000		Qtr 4, 2000		Qtr 1, 2001		Qtr 2, 2001		Qtr 3, 2001		Qtr 4, 2001		Qtr 5, 2001
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
349	1796	(Copy) LCS application interfaces (LCS-OSA)		No	WG SA1															
350	1183	FS on LCS support in the IM CN subsystem		No	WG SA1															
351	1542	Ensure reliable QoS for PS domain and IM subsystem	Rel4	No	WG SA2															
352	1543	stage 2 for End-to-end QoS (re)negotiation and reservation		No	WG SA2															
353	1658	stage 3 for End-to-end QoS (re)negotiation and reservation		No	WG CN1															
354	1545	GMM and SM aspects		No	WG CN1															
355	1546	GTP aspects		No	WG CN4															
356	1547	Mapping of end to end QoS parameters on each interface		No	WG SA2															
357	1548	Impacts on N4 documents		No	WG CN4															
358	1549	Impacts on N3 documents		No	WG CN3															
359	1681	RAB Quality of Service (re)Negotiation over Iu		No	WG RAN3															
360	1991	RAB Quality of Service Negotiation over Iu		No	WG RAN3															
361	1992	RAB Quality of Service Re-Negotiation over Iu		No	WG RAN3															
362	1685	PS-domain handover for real-time services		No	WG RAN3															
363	1550	Interactions between external mechanisms and UMTS mechanisms		No	WG CN3															
364	1551	Possible new code points in QoS IE from external networks		No	WG CN1															
365	1659	Possible new code points in QoS IE for UMTS		No	WG CN1															
366	1660	Mapping between the QoS UMTS point codes and the QoS GPRS point codes		No	WG CN1															
367	1552	Charging aspects		No	WG SA5															
368	1624	Security aspects		No	WG SA3															
369	1619	Application aspects, multi-mode aspects		No	WG T2															
370	1553	GERAN QoS Aspects		No	TSG GERAN															
371	1554	Evolution of maximum SDU size		No	WG SA2															
372	1555	Impacts on CN protocols (e.g., GTP, MAP)		No	WG CN4															
373	1556	Impact on interworking over GTP e.g., PPP		No	WG CN3															
374	1611	Admission control function triggers		No	WG RAN3															
375	1557	QoS for CS services at HOs (inter-MSC and SRNS charging)	Rel4	No	WG SA2															
376	1558	UTRAN aspects		No	WG RAN2															
377	1559	GERAN aspects		No	TSG GERAN															

ID	Unique ID	Name	Release	Split	Resource	Timeline											
						Qtr 2, 2000	Qtr 3, 2000	Qtr 4, 2000	Qtr 1, 2001	Qtr 2, 2001	Qtr 3, 2001	Qtr 4, 2001	Qtr 1, 2002	Qtr 2, 2002	Qtr 3, 2002	Qtr 4, 2002	Qtr 1, 2003
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
378	1560	<b>UICC/(U)SIM enhancements and interworking</b>	NA	Yes	WG T3												
379	1798	<b>FS on UICC/ME Performance Enhancements</b>		No	WG T3												
380	1562	<b>UICC/USIM database specification</b>	Rel4	No	WG T3												
381	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4	No	WG T3												
382	1564	<b>report on SIM/USIM Interworking</b>		No	WG T3												
383	1800	<b>(U)SIM toolkit enhancements</b>	NA	Yes	WG T3												
384	1566	<b>Enhancements to (U)SIM toolkit secure messaging</b>	Rel4	No	WG T3												
385	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel4	No	WG T3												
386	2034	<b>USAT local link</b>	Rel4	No	WG T3												
387	1802	<b>UICC API</b>	NA	Yes	WG T3												
388	2029	Java API	Rel4	No	WG T3												
389	1803	Test specification		No	WG T3												
390	2031	Multos API	Rel5	No	WG T3												
391	2032	Specification		No	WG T3												
392	2033	Test specification		No	WG T3												
393	1571	<b>Security enhancements</b>	NA	Yes	WG SA3												
394	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development)</b>	Rel4	No	WG SA3												
395	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	Rel4	No	WG SA3												
396	1589	Main aspects		No	WG SA3												
397	1618	Impact on GTP		No	WG CN4												
398	1661	GEA capability indication in MS CM		No	WG CN1												
399	1572	<b>Protection for user plane data</b>	Rel5	Yes	WG SA3												
400	1573	Integrity protection in access network		No	WG SA3												
401	1574	Integrity protection in core network		No	WG SA3												
402	1575	Network based end-to-end security		No	WG SA3												
403	1576	<b>Network domain security</b>		Yes	WG SA3												
404	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, pro	Rel5	No	WG SA3												
405	1578	Main aspects		No	WG SA3												
406	1579	Integration of GTP signalling security architecture		No	WG CN4												

ID	Unique IC	Name	Release	Split	Resource Name	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 5, 2001
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
407	1580	User plane protection in core network (e.g., provided by IPsec)	Rel5	No	WG SA3																						
408	1581	Main aspects		No	WG SA3																						
409	1582	Integration of GTP signalling security architecture		No	WG CN4																						
410	1583	MAP application layer security	Rel4	No	WG SA3																						
411	1584	Main aspects		No	WG SA3																						
412	2025	Other stage 3 aspects		No	WG CN4																						
413	1586	Key management for core network security		No	WG SA3																						
414	1591	GERAN Security	Rel5	No	WG SA3																						
415	1592	Main aspects		No	WG SA3																						
416	1593	Production of new algorithm		No	WG SA3																						
417	1594	Visibility and Configurability of security	Rel4	No	WG SA3																						
418	1595	FIGS	Rel5	No	WG SA3																						
419	1612	General security issues	?	No	WG SA3																						
420	2026	Authentication Reporting	?	No	WG SA3																						
421	2027	Stage 2		No	WG SA3																						
422	2028	FS on Network impacts		No	WG CN4																						
423	1861	Miscellaneous UE Conformance Testing Activities		Yes	WG T1																						
424	1862	Optimisation of Test Time, RF Aspects (FDD)		No	WG T1																						
425	1863	Optimisation of Test Time, RF Aspects (TDD)		No	WG T1																						
426	1907	Extensions to R99 Test cases		No	WG T1																						
427	1908	Review all other work items for impact on new or exiting		No	WG T1																						
428	1909	Additional signalling tests to cover VHE, OSA, MExE, W/I		No	WG T1																						
429	1365	FS on Push Services		No	WG SA2																						
430	1832	Terminal local model	Rel4	No	WG T2																						
431	1993	RAN technical small enhancements and improvements	Rel4	No	WG RAN4																						
432	1142	Definition of billing, charging and management (to be i		No	WG SA5																						
433	2089	Definition of Architecture and Principles (Master)		No	WG SA5																						
434	2090	Security Management (Key Administration and Distribution for MAP) (		No	WG SA5																						
435	2091	Stage 2		No	WG SA5																						






ID	Unique IC	Name	Release	Split	Resource Name	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 5, 2001
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
436	2092	Stage 3		No	WG SA3																						
437	2093	Key Administration & Distribution (Master)		No	WG SA5																						
438	2094	Co-ordination O&M messaging Specification		No	WG RAN3																						
439	2088	Performance Management (Master)		No	WG SA5																						
440	2081	Fault Management (Master)		No	WG SA5																						
441	2082	Configuration Management (Master)		No	WG SA5																						
442	2083	Charging Management (Master)		No	WG SA5																						
443	2084	Call Cell Trace (Master)		No	WG SA5																						
444	2085	GSM LCS O&M Project (Master)		No	WG SA5																						
445	2086	Service Management (Master)		No	WG SA5																						
446	1924	GERAN definition (to be dispatched to other features)	NA	Yes	TSG GERAN																						
447	1925	Evolution of transport in UTRAN and GERAN	?	No	TSG GERAN																						
448	1926	Addition of transport mechanisms other than ATM for lu		No	TSG GERAN																						
449	1927	GERAN/UTRAN interface evolution	Rel4	No	TSG GERAN																						
450	1929	Evolution of lu ps		No	TSG GERAN																						
451	1930	Identification of GERAN requirements on lu ps		No	TSG GERAN																						
452	1932	Update of specifications		No	TSG GERAN																						
453	1933	Evolution of lu cs		No	TSG GERAN																						
454	1934	Identification of GERAN requirements on lu cs		No	TSG GERAN																						
455	1935	Update of specifications		No	TSG GERAN																						
456	1936	Evolution of interface A		No	TSG GERAN																						
457	1937	Identification of GERAN requirements on A interface		No	TSG GERAN																						
458	1938	Update of specifications		No	TSG GERAN																						
459	1987	Low chip rate TDD for UTRAN		No	TSG GERAN																						
460	1939	Gb over IP		No	TSG GERAN																						
461	1940	Enhance cell reselections		No	TSG GERAN																						
462	1941	GERAN radio interface evolution		No	TSG GERAN																						
463	1942	Overall concept for GERAN		No	TSG GERAN																						
464	1943	GERAN Header adaptation		No	TSG GERAN																						








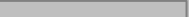

ID	Unique ID	Name	Release	Split at	Resource Name	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
465	1945	GERAN Radio access bearer design		No	TSG GERAN																						
466	1946	GERAN user / control plane		No	TSG GERAN																						
467	1983	PDCP protocol design		No	TSG GERAN																						
468	1986	RLC / MAC Specification		No	TSG GERAN																						
469	1985	Physical layer		No	TSG GERAN																						
470	1947	GERAN RR		No	TSG GERAN																						
471	1948	Iu-rs interface		No	TSG GERAN																						
472	1949	Voice over GERAN PS and CS concept		No	TSG GERAN																						
473	1950	GERAN Narrowband speech realization		No	TSG GERAN																						
474	1951	GERAN security		No	TSG GERAN																						
475	1982	Working assumptions for ciphering		No	TSG GERAN																						
476	1981	Requirements for integrity		No	TSG GERAN																						
477	1980	Modification of UTRAN specs to be valid also for GERAN		No	TSG GERAN																						
478	1979	Additional stage 3 work for GERAN		No	TSG GERAN																						
479	2060	Testing		No																							
480	1952	GERAN MS Conformance test for GERAN interface evolution		No	TSG GERAN																						
481	1953	GERAN BTS Conformance test for GERAN interface evolution		No	TSG GERAN																						
482	1954	700 MHz spectrum support		No	TSG GERAN																						
483	1955	GERAN support for the 700 MHz band		No	TSG GERAN																						
484	1956	GERAN MS Conformance test for 700 MHz band		No	TSG GERAN																						
485	1958	GERAN BTS Conformance test for GERAN interface evolution		No	TSG GERAN																						
486	1959	Real Time QoS for packet services including VoIP		No	TSG GERAN																						
487	1960	HOS: maintenance of real-time QoS while moving between cells in		No	TSG GERAN																						
488	1961	Wideband telephony services		No	TSG GERAN																						
489	1963	Support of WB AMR in GERAN		No	TSG GERAN																						
490	1965	GERAN MS Conformance test for WB AMR		No	TSG GERAN																						
491	1966	GERAN BTS Conformance test for WB AMR		No	TSG GERAN																						
492	1968	Location service (UMTS) (using GERAN)	Rel4	No	TSG GERAN																						
493	1969	LCS interoperability aspects to GERAN		No	TSG GERAN																						

ID	Unique IC	Name	Release	Split	Resource Name	Qtr 2, 2000		Qtr 3, 2000		Qtr 4, 2000		Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002
						Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
494	1970	LCS in GERAN		No	TSG GERAN																			
495	1975	GERAN LCS stage 2		No	TSG GERAN																			
496	1974	Iur-g interface support for LCS GERAN		No	TSG GERAN																			
497	1973	Gb,A interface support for LCS GERAN		No	TSG GERAN																			
498	1977	Iu-cs(?), Iu-ps interface support for LCS GERAN measurements		No	TSG GERAN																			
499	1978	Radio Resource Management (for LCS GERAN )		No	TSG GERAN																			
500	1976	Stage 3 specifications		No	TSG GERAN																			
501	2061	Testing		No																				
502	1971	GERAN MS Conformance test for LCS		No	TSG GERAN																			
503	1972	GERAN BTS Conformance test for LCS		No	TSG GERAN																			
504	2062	Subscription Management		No	WG SA5																			
505	2063	Definition of Architecture and Principles (Copy)		No	WG SA5																			
506	2064	Security Management (Key Administration and Distribution for MAP) (I		No	WG SA5																			
507	2065	Stage 2 (Copy)		No	WG SA5																			
508	2066	Stage 3		No	WG SA3																			
509	2067	Key Administration & Distribution (Copy)		No	WG SA5																			
510	2068	Co-ordination O&M messaging Specification		No	WG RAN3																			
511	2069	Configuration Management (Copy)		No	WG SA5																			
512	2070	Charging Management (Copy)		No	WG SA5																			
513	2071	UTRAN Operations and Maintenance procedures		No	WG SA5																			
514	2072	Definition of Architecture and Principles (Copy)		No	WG SA5																			
515	2073	Security Management (Key Administration and Distribution for MAP) (I		No	WG SA5																			
516	2074	Stage 2 (Copy)		No	WG SA5																			
517	2075	Stage 3		No	WG SA3																			
518	2076	Key Administration & Distribution (Copy)		No	WG SA5																			
519	2077	Co-ordination O&M messaging Specification		No	WG RAN3																			
520	2078	Configuration Management (Copy)		No	WG SA5																			
521	2079	Fault Management (Copy)		No	WG SA5																			
522	2080	Performance Management (Copy)		No	WG SA5																			

Project: 3GPP\_Work Plan  
Date: Wed 11/10/00

Task   
Task Progress   
Critical Task   
Critical Task Progress   
Milestone 

Summary   
Rolled Up Task   
Rolled Up Critical Task   
Rolled Up Milestone   
Rolled Up Progress 

Split   
External Tasks   
Project Summary   
Summary Progress 