

# 3GPP Work Plan – Cover page

Version 2001, June 12<sup>th</sup>

## Introduction

This cover sheet contains 3 parts:

Part 1: Specific comments for this version

Part 2: General recurrent information

Part 3: History

The last version of the Work Plan and all the related documents (cover page, PDF views, etc) are available at:

[ftp://ftp.3gpp.org/information/work\\_plan](ftp://ftp.3gpp.org/information/work_plan)

For comments on a given WI, contact the MCC support of the given WI's responsible WG/TSG (mapping "WG/TSG to MCC support" and MCC e-mail addresses available at:

[http://www.3gpp.org/About\\_3GPP/structure.htm](http://www.3gpp.org/About_3GPP/structure.htm) ).

For comment on a Feature, contact the feature's responsible MCC support.

For general comments, contact Alain Sultan at: [alain.sultan@etsi.fr](mailto:alain.sultan@etsi.fr), mentioning in the e-mail subject "General comment on the Work Plan".

## Specific comments for this version

### *Main changes between version March 30<sup>th</sup> and June 12<sup>th</sup>*

QoS split into Rel4 and Rel5 parts

IETF work added

Deletion of:

GTT Interworking [UID=1524]

IWF at the Edge (CN border) [UID=2205]

MExE interactions [UID=1916]

Addition of:

Inclusion of ODB data in the CSE-HLR interface

Location information during an ongoing call (Handover DP)

GPRS Any Time Interrogation

### **Comments**

Separate proposal at SA#12 to restructure the following Features:

- GTT
- IMS
- LCS

### **Detailed changes**

The detailed changes are provided in the "notes" field of the modified WIs.

## General recurrent information

*This paragraph contains recurrent information provided to the reader not familiar with the 3GPP Work Plan.*

### **General description**

The Work Plan is a living document, aiming at providing co-operations between all the 3GPP TSGs and WGs to help them reaching common targets.

These targets are called “**Features**”, and are new or substantially enhanced functionality which represents added value to the existing system. A feature should normally embody an improved service to the customer and / or increased revenue generation potential to the supplier. The features are divided into “**Building Blocks**”, a BB being a set of technical functionality which would generally be expected to reside in a single system element, i.e. a single physical or logical entity or a single protocol. The Building Blocks are divided into “**Work Tasks**”, a WT being by definition handled by a single Working Group. The output of a work task is the creation of one or more new Technical Specifications (or Reports) and / or Change Requests to existing TSs / TRs.

These definitions are extracted from SP-000109.

This tree structure is established to ease the monitoring of the 3GPP work progress for R00, and to make explicit the purpose of the work assigned to one WG in the global system.

A **Work item** is a generic term to refer to a *feature, building block or work task*, i.e. all the lines of the Work Plan are work items. A full description of the a work item can be found in the 3GPP Working Procedures, available at [http://www.3gpp.org/About\\_3GPP/3gpp\\_wp.zip](http://www.3gpp.org/About_3GPP/3gpp_wp.zip) .

The Work Plan is provided in the form of a Gantt chart: the left part contains the names and attributes of the Work Items, the right part contains a calendar view reflecting the work progress (blue and grey lines apply to foreseen tasks, black lines for completed tasks).

The indentation of WI names reflects the hierarchical level in the tree structure (Features, Building Blocks, and Work Tasks).

### **Attributes applicable to a WI**

From the Work Plan perspective, a WI is fully characterised by the following set of attributes:

1. Unique ID
2. Name
3. Release (based on the completion date). It applies to non-splittable features. If the feature is splittable, it applies to each individual Building Block composing the feature, provided that the Building Blocks are non-splittable. It does not apply to Feasibility Studies, Testing nor Charging Activities.
4. Splittable: defines whether the WI has to be considered as a single block or if it can be realised onto different releases
5. Acronym
6. Resource name: defines the responsible WG or TSG
7. Modified (see next section)
8. Modified since last TSG (see next section)
9. Start
10. Finish
11. % completed
12. Impacted TS and TR
13. Approval Level: MCC<CHAIR<WG<TSG. Each level can delete the proposal from the levels bellow. Only TSG Approved Wis are officially approved. All the other Wis are proposals, more or less stable according to the approval level.
14. Last modif, containing the date of the last modification. Note: this field has been recently added. The value has been initialised to April, 1<sup>st</sup>.
15. Hyperlink (to the proposed/approved WI coversheet)
16. WI rapporteur name
17. WI rapporteur e-mail
18. MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
19. Notes (free field).

The fields Start, Finish and % completed are calculated for summary tasks.  
For better readability, only some of these attributes are shown in the PDF views.

### ***How the changes on the Work Plan are tracked?***

The changes are tracked at two level: a global one, stressing out the overall changes of the Work Plan, and a more detailed one, making use of the “notes” field.

#### ***Global level***

The global level is a text of some paragraphs listing the main changes. For readability reasons, the global level is not part of the MS Project Work Plan but is contained in this present Work Plan cover page.

The global level shall at least:

- Report creation and deletion of Features and Building Blocks. It is not requested to mention the creation and deletion of Work Tasks (but this can be done if judged relevant by the MCC responsible person).

The global level is updated before each set of plenary meetings.

#### ***Detailed level***

The detailed level is a set of comments provided in the “notes” field text of each modified WI (a WI is identified by its Unique ID).

Even at the “detailed level”, not all the modifications have to be mentioned: some fields are by nature subject to constant updates (e.g. “% completed”), so it would be a waste of time to keep track of these changes.

The fields subject to change tracking are the following ones:

- Name
- Release
- Splitable (defines whether the WI has to be considered as a single block or if it can be realised onto different releases)
- Acronym
- Resource name (defines the responsible WG or TSG)
- Finish date

The other ones -listed bellow- are not subject of change tracking. Change tracking on these ones is up to the MCC responsible person. These are:

- % completed
- Impacted TS and TR
- Level of Approval (MCC<CHAIR<WG<TSG).
- Hyperlink (to the proposed/approved WI coversheet)
- WI rapporteur name
- WI rapporteur e-mail
- MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
- Notes (free field).
- Start date

The detailed level is updated each time a line is modified or created. In addition, a new field called “last modif” has been created (initialised to April, 1<sup>st</sup>) to provide the date of the latest modification of the WI.

## **History**

This section is reset after each plenary meeting.

<i>ID</i>	<i>Unique_ID</i>	<i>Task Name</i>	<i>Acronym</i>	<i>Level</i>	<i>Rel</i>	<i>Splitable</i>	<i>Resour</i>
1	2044	VERSION 2001 June 12th		1		No	
4	2058			1		No	
5	96			1		No	
6	2	Evolutions of the transport in the UTRAN	ETLAN	1	NA	Yes	TSG RA
7	625	IP transport in the UTRAN	ETLAN-IPtrans	2	Rel5	No	WG RA
8	12	QoS optimisation for AAL2 connections over lub and lur interfaces	ETLAN-QoSAAL2	2	Rel4	No	WG RA
9	1995	Transport bearer modification procedure on lub, lur, and lu	ETLAN-MigrMod	2	Rel4	No	WG RA
10	2257	Evolution of transport in UTRAN and GERAN	ETRANG	2	Rel5	No	WG RA
11	2258	Addition of transport mechanisms other than ATM for lu - Identification of alternative transports	ETRANG	3		No	WG RA
12	2259	Addition of transport mechanisms other than ATM for lu - Specification of those alternatives transports	ETRANG	3		No	WG RA
13	1834	Conformance Test Aspects		2		No	WG T1
14	2208	Testing RAB support enhancements	CT-RABS?	3		No	WG T1
15	4	Evolutions of the transport in the CN	CNTRSP	1	NA	Yes	WG CN
16	859	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP	2	Rel4	No	WG CN
17	1679	Stage 3	SS7IP	3		No	WG CN
18	2018	CAP	SS7IP	4		Yes	WG CN
19	2019	MAP	SS7IP	4		No	WG CN
20	2253	BSSAP+	SS7IP-BSSAP+	4		No	WG CN
21	2455	FS on Usage of SUA	SS7IP	4	Rel-5	No	WG CN
22	1513	FS on Transport and control separation in the PS CN domain		2		No	WG SA
23	1615	Architectural impacts		3		No	WG SA
24	2476	High Speed Downlink Packet Access	HSDPA	1	Rel5	No	WG RA
25	2477	Physical Layer	HSDPA-Phys	2		No	WG RA

26	2478	<b>Layer 2 and 3 aspects</b>	HSDPA-L23	2	No	WG RA
27	2479	<b>Iub/Iur protocol aspects</b>		2 Rel5	No	WG RA
28	2480	<b>RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing</b>		2	No	WG RA
29	2481	<a href="#">Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN</a>		1 Rel5	No	WG RA
30	1216	<a href="#">Improvements of Radio Interface</a>	RInImp	1 NA	Yes	TSG RA
31	1470	<b>Improvement of inter-frequency and inter-system measurement</b>	RInImp-IflsM	2 Rel5	No	WG RA
32	1471	<b>Base station classification</b>	RInImp-BSCClass	2 Rel5	No	WG RA
33	1476	FDD Base station classification	RInImp-BSCClass-FDD	3	No	WG RA
34	1477	TDD Base station classification	RInImp-BSCClass-TDD	3	No	WG RA
35	1217	<b>Hybrid ARQ II/III</b>	RInImp-HARQ	2 Rel5	No	WG RA
36	1218	<b>Improved usage of downlink resource in FDD for CCTrCHs of dedicated type</b>	RInImp-CCTrCH	2 Rel5	No	WG RA
37	1507	<b>Terminal Power Saving features</b>	RInImp-TPS	2 Rel5	No	WG RA
38	1509	<b>UTRA repeater specification (master)</b>	RInImp-REP	2 Rel4	No	WG RA
39	1994	<b>DSCH power control improvement in soft handover</b>	RInImp-DSCHsho	2 Rel4	No	WG RA
40	1996	<b>UMTS 1800</b>	RInImp-UMTS18	2 Rel4	No	WG RA
41	2467	<b>UMTS 1900</b>	RInImp-UMTS19	2 Rel5	No	WG RA
42	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	RInImp-MIMO	2 Rel5	No	WG RA
43	2469	<b>Enhancement on the DSCH hard split mode</b>	RInImp-DSCHhsp	2 Rel5	No	WG RA
44	2470	<b>Gated DPCCH Transmission</b>	RInImp-GatedDPCCH	2 Rel5	No	WG RA
45	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	RInImp-FCS	2 Rel5	No	WG RA
46	1506	<b>FS on Radio link performance enhancements</b>	RInImp-Rlperf	2 Rel5	No	WG RA
47	1219	<b>FS on High Speed downlink packet access</b>	RInImp-HSDPA	2	No	WG RA
48	1221	<b>FS on USTS</b>	RInImp-USTS	2 Rel5	No	WG RA

49	1510	<b>FS on improved common DL channel for Cell-FACH state</b>	RInImp-DLCFACH	2	No	WG RA
50	1997	<b>FS on UE antenna efficiency test method performance requirements</b>	RInImp-UEAnTM	2	No	WG RA
51	2494	<b>FS on the re-introduction of the downlink SIR measurement</b>		2 Rel5	No	WG RA
52	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>		2 Rel5	No	WG RA
53	1839	<b>Conformance Test Spec. improvements in Radio Interface</b>		2	No	WG T1
54	2210	Testing improvement of inter-frequency and inter-system measurement		3	No	WG T1
55	2211	Testing Hybrid ARQ II/III		3	No	WG T1
56	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type		3	No	WG T1
57	2213	Testing Terminal Power saving features		3	No	WG T1
58	2214	Testing DSCH power control improvement in soft handover		3	No	WG T1
59	2215	Testing UMTS 1800/1900	RInImp-UMTS18-19	3	No	WG T1
60	2561	Testing UMTS 1800/1900 - TTCN	RInImp-UMTS18-19	3	No	WG T1
61	1222	<a href="#">Low Chip Rate TDD option</a>	LCRTDD	1 Rel4	No	WG RA
62	1223	<b>Physical layer</b>	LCRTDD-Phys	2	No	WG RA
63	1224	<b>Layer 2 and layer 3 protocol aspects</b>	LCRTDD-L23	2	No	WG RA
64	1225	<b>RF radio transmission/reception, system performance requirements and conformance testing</b>	LCRTDD-RF	2	No	WG RA
65	1227	<b>UE radio access capability</b>	LCRTDD-UErac	2	No	WG RA
66	1228	<b>Iub/Iur protocol aspects</b>	LCRTDD-IubIur	2 Rel4	No	WG RA
67	2262	<b>Low chiprate TDD interworking with GERAN</b>		2	No	
68	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD		3	No	
69	1911	<b>Start Testing</b>		2	No	MLST
70	2103	<b>Conformance Test Aspects - Low Chip Rate TDD</b>		2	No	WG T1
71	2216	Testing Physical Layer		3	No	WG T1
72	2217	Testing Layer 2 and layer 3 protocol aspects	LCRTDD-L23	3	No	WG T1
73	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN	LCRTDD-L23	3	No	WG T1
74	2218	Testing RF Radio Transmission and Reception	LCRTDD-RF	3	No	WG T1

75	2219	Testing UE radio access capability		3	No	WG T1
76	9	<b>RAN improvements</b>	RANimp	1 NA	Yes	TSG RA
77	656	<b>RRM optimization for lur and lub</b>	RANimp-RRMopt	2 Rel4	No	WG RA
78	2488	<b>RL Timing Adjustment</b>	RANimp-RRMopt-RLTA	2 Rel5	No	WG RA
79	2489	<b>Separation of resource reservation and radio link activation</b>	RANimp-RRMopt-SepRR	2 Rel5	No	WG RA
80	2490	<b>Improvement of Radio Resource Management across RNS and RNS/PSS</b>	RANimp-ImpRRM	2 Rel5	No	WG RA
81	2491	<b>Traffic Termination Point Swapping</b>	RANimp-TTPS	2 Rel5	No	WG RA
82	655	<b>Node B synchronisation for TDD</b>	RANimp-NBsync	2 Rel4	No	WG RA
83	624	<b>RAB support enhancement - except Robust Header Compression (ROHC)</b>	RANimp-RABSE	2 Rel5	No	WG RA
84	2206	<b>RAB support enhancement - Robust Header Compression (ROHC)</b>	RANimp-RABSE	2 Rel4	No	WG RA
85	1680	<b>Header compression removal/stripping in the RAN</b>		2 Rel5	No	TSG RA
86	1686	<b>Unequal error protection in PS domain in the RAN</b>		2 Rel5	No	TSG RA
87	2472	<b>Node B Synchronisation for 1.28 Mcps TDD</b>	RANimp-NBSLCR	2 Rel5	No	WG RA
88	1912	<b>Start Testing</b>		2	No	MLST
89	2102	<b>Conformance Test Aspects - RAN Improvements</b>		2	No	WG T1
90	2220	Testing Smart antenna		3	No	WG T1
91	2221	Testing Node B synchronisation for TDD		3	No	WG T1
92	2222	Testing Radio access bearer support enhancements		3	No	WG T1
93	2461	Testing RAB support enhancements-Robust Header Compression		3	No	WG T1
94	1273	<b>Provisioning of IP-based multimedia services</b>	IMS	1 Rel5	No	WG SA
95	1274	<b>Call control and roaming to support IP-based multimedia services in UMTS</b>	IMS-CCR	2	No	WG SA
96	1633	Stage 1	IMS-CCR	3	No	WG SA
97	1514	Stage 2 (Architecture and Main flows)	IMS-CCR	3	No	WG SA



98	1277	FS on Impacts on HSS	IMS-CCR	3	No	WG CN
99	2233	SIP Call Control protocol for the IM CN Subsystem	IMS-CCR	3	No	WG CN
100	1998	IMS signalling flows	IMS-CCR	4	No	WG CN
101	1278	IMS stage 3	IMS-CCR	4	No	WG CN
102	2255	IMS Session Handling; stage 2	IMS-CCR	4	No	WG CN
103	2521	IETF: draft-ietf-sip-rfc2543bis-02 (Session Initiation Protocol)		4	No	WG CN
104	2522	IETF: draft-sip-manyfolks-resource-01 (Without COMET)(Integration of resource management and SIP)		4	No	WG CN
105	2523	IETF: draft-ietf-sip-100rel-02 (Reliability of Provisional Response in SIP)		4	No	WG CN
106	2524	IETF: draft-ietf-sip-privacy-01 (SIP extensions for caller identity and privacy)		4	No	WG CN
107	2525	IETF: draft-ietf-sip-call-auth-01 (SIP extensions for media authorization)		4	No	WG CN
108	2526	IETF: draft-roach-sip-subscribe-notify-03 (Event Notification in SIP)		4	No	WG CN
109	1673	MLST: Stage 3 for basic calls		3	No	MLST
110	1280	SIP SS and relationship to Mg, Mw and Cx	IMS-CCR	3	No	WG CN
111	1281	Multimedia Capabilities	IMS-CCR	3	No	WG CN
112	1282	Terminal capabilities	IMS-CCR	4	No	WG CN
113	1806	Terminal capabilities and Interactions on running multimedia from an external terminal	IMS-CCR	4	No	WG T2
114	1805	Network capabilities	IMS-CCR	4	No	WG CN
115	1285	Network capabilities (N4 aspects)	IMS-CCR	4	No	WG CN
116	2529	UE Functionality Split	IMS-CCR	4	No	WG SA
117	1286	CSCF – HSS (Cx) applications and services (SCP)	IMS-CCR	3	No	WG SA
118	1515	Stage 2 flows	IMS-CCR	4	No	WG SA
119	2021	Stage 2 flows (N4 ) (see note)	IMS-CCR	4	No	WG CN
120	2023	Impacts from CAMEL	IMS-CCR	4	No	WG CN
121	1288	Impact on Camel Stage 3	IMS-CCR	4	No	WG CN
122	1289	Impact on MAP	IMS-CCR	4	No	WG CN
123	2024	Stage 3 protocol on Cx	IMS-CCR	4	No	WG CN
124	1290	Addressing, Identities	IMS-CCR	3	No	WG SA
125	1291	Architectural issues	IMS-CCR	4	No	WG SA
126	1292	Impact on HSS	IMS-CCR	4	No	WG CN
127	1294	Interworking with other multimedia protocols	IMS-CCR	3	No	WG CN
128	1296	Impact on MM/CC/SM	IMS-CCR-IWMM	4	No	WG CN
129	2047	Interworking between IM CN subsystem and CS networks	IMS-CCR-IWCS	4	No	WG CN

130	2048	Interworking between IM CN subsystem and IP networks	IMS-CCR-IWIP	4		No	WG CN
131	2530	Service Examples	IMS-Sex	3		No	WG SA
132	2531	IMS Framework Report	IMS-FrWk	3		No	WG SA
133	1913	<b>Start Testing</b>		2		No	MLST
134	1844	<b>Conformance Test Aspects - Provisioning of IP-based multimedia services</b>	IMS-TEST	2		No	WG T1
135	1298	<b>Access Security for IP-based services</b>	IMS-ASEC	2		No	WG SA
136	2574	<b>Security Aspects of Requirement for Network Configuration Independence</b>	SEC1-NCI	2		No	WG SA
137	1299	<b>Lawful interception</b>	IMS-LI	2		No	WG SA
138	1300	<b>RAN improvements and evolution of the bearers on the Radio interface to enable efficient IP-based multimedia services in UMTS</b>	IMS-RAN	2		No	TSG RA
139	1303	<b>(copy) Charging and OAM&amp;P</b>	IMS-OAM	2	Rel5	No	WG SA
140	1598	<b>(Copy) AMR-WB</b>		2		No	WG SA
141	1305	<b>Roaming between IMS and CS domain networks (roaming support within and between network types)</b>	IMS-ONCS	2		No	WG CN
142	1457	Roaming requirements		3		No	WG SA
143	1306	Stage 2		3		No	WG SA
144	1307	Stage 2 review		3		No	WG CN
145	1456	Internetwork roaming aspects		3		No	?
146	2227	MExE interactions		3		No	WG T2
147	2228	MMS interactions		3		No	WG T2
148	1310	<b>Support of VHE/OSA by Rel4 network entities and protocols of the IM subsystem (e.g. CSCF)</b>	IMS-ONOSA	2		No	WG CN
149	1732	<b>Number portability in IMS</b>	IMS-MNP	2		No	WG CN
150	2036	<b>Multimedia codecs and protocols for conversational PS services</b>	IMS-CODEC	2		No	WG SA
151	2039	Codecs		3		No	WG SA
152	2040	performance characterisation of codec		3		No	WG SA
153	2038	protocols		3		No	WG SA
154	1539	<a href="#">Transparent End-to-End PS mobile streaming application</a>	PSTREAM	1	Rel4	No	WG SA
155	1652	<a href="#">Emergency call enhancements</a>	EMC1	1	NA	Yes	WG CN
156	1653	<b>For IP &amp; PS based calls</b>	EMC1-PS	2	Rel5	No	WG CN
157	1314	Service Requirements for IP-based emergency calls	EMC1-PS	3		No	WG SA

158	1315	SIP emergency calls and packet emergency calls signalling flows	EMC1-PS	3	No	WG CN
159	1316	Stage 2 for emergency calls and packet emergency calls in general	EMC1-PS	3	No	WG SA
160	1317	Distinction of emergency call types to different emergency services	EMC1-PS	3	No	WG CN
161	1646	Stage 3 for emergency calls and packet emergency calls in general	EMC1-PS	3	No	WG CN
162	1605	(Copy2) Ensure reliable QoS for PS domain and IM subsystem		3	No	WG SA
163	1654	<b>For CS based calls</b>	EMC1-CS	2 Rel4	No	WG CN
164	1320	Distinction in CS domain of emergency call types to different emergency services	EMC1-CS	3	No	WG SA
165	1999	Distinction in CS domain of emergency calls to different emergency types	EMC1-CS	3	No	WG CN
166	2224	<b>Conformance Test Aspects - Emergency call enhancements</b>		2	No	WG T1
167	2225	Testing Stage 3 for emergency calls and packet emergency calls in general		3	No	WG T1
168	2226	Testing CS based emergency calls	EMC1-CS	3	No	WG T1
169	2563	Testing CS based emergency calls - TTCN	EMC1-CS	3	No	WG T1
170	1322	<a href="#">Enable bearer independent CS architecture</a>	CSSPLIT	1 Rel4	No	WG SA
171	1323	<b>Enable bearer-independent call control</b>	CSSPLIT	2	No	WG CN
172	1516	Architecture and Stage 2 description on 23.002	CSSPLIT	3	No	WG SA
173	1325	Standardisation of protocols (control & user planes) over Nb interface	CSSPLIT	3	No	WG CN
174	1326	Standardisation of protocols over reference points between MSC server and Gateway MSC server	CSSPLIT	3	No	WG CN
175	1616	Standardisation of detailed stage 2 description	CSSPLIT	3	No	WG CN
176	1327	Bearer control between MSC server and MGW	CSSPLIT	3	No	WG CN
177	1328	stage 3 - protocol issues	CSSPLIT	4	No	WG CN
178	1329	stage 3 - parameter value issues	CSSPLIT	4	No	WG CN
179	1331	<b>Lawful interception</b>	CSSPLIT	2	No	WG SA
180	1332	<b>Bearer Independence and codec control issues</b>	CSSPLIT	2	No	WG SA
181	1918	<b>Start Testing</b>		2	No	MLST
182	2052	<b>Conformance Test Aspects - Enable bearer independent CS architecture</b>	CSSPLIT-TEST	2	No	WG T1
183	1847	UE Conformance test spec., Bearer independent CS, Protocol	CSSPLIT-TEST	3	No	WG T1
184	1848	UE Conformance test spec., Bearer independent CS, TTCN	CSSPLIT-TEST	3	No	WG T1

185	1340	<b>Facsimile</b>	FAX	1	Rel4	No	WG SA
186	1341	<b>Real Time Fax</b>	FAX-RT	2		No	WG SA
187	1808	Terminal capabilities, AT commands	FAX-RT	3		No	WG T2
188	1343	Signalling aspects (e.g. ICM)	FAX-RT	3		No	WG CN
189	1648	Service provision	FAX-RT	3		No	WG CN
190	1345	Review whether service/stage 1 aspects need to be aligned	FAX-RT	3		No	WG SA
191	1346	Review whether architecture/stage 2 aspects need to be aligned	FAX-RT	3		No	WG SA
192	2041	<b>Start Testing</b>		2		No	MLST
193	1851	<b>Conformance Test Aspects - Facsimile</b>		2		No	WG T1
194	1517	<b>Global Text Telephony</b>	GTT	1	NA	Yes	WG SA
195	2240	<b>Minimum solution</b>		2	Rel5	No	WG SA
196	1634	Stage 1	GTT	3		No	WG SA
197	1519	Stage 2	GTT	3		No	WG SA
198	2234	Specification of Cellular Text telephone Modem	GTT-CTM	3		No	WG SA
199	2238	General description and C-code	GTT-CTM	4		No	WG SA
200	2237	Minimum Performance requirements	GTT-CTM	4		No	WG SA
201	2239	<b>Improvements of GTT</b>		2	Rel5	No	WG SA
202	1350	Activation and transport	GTT	3		No	WG SA
203	1520	SIP and H.324 Activation and transport	GTT	4		No	WG SA
204	1521	Data Channel Activation and transport	GTT	4		No	WG SA
205	1523	Selection of transport method	GTT	4		No	WG SA
206	1809	Terminal Aspects	GTT	3		No	WG T2
207	1357	USIM Aspects	GTT	3		No	WG T3
208	2096	GTT using CS multimedia telephony	GTT	3		No	WG SA
209	1915	Start Testing	GTT	3		No	MLST
210	1852	Conformance Test Aspects - Global Text telephony	GTT	3		No	WG T1
211	1367	<b>VHE enhancements</b>	VHE1	1	NA	Yes	WG SA
212	2498	<b>Global Stage 1 for VHE Enhancements</b>	VHE1	2		No	WG SA
213	1368	<b>Detailed definition of the VHE user profile</b>	VHE1-USERP	2	Rel5	No	WG SA

214	1404	Stage 2	VHE1-USERP	3	No	WG SA
215	2123	Enhanced Subscription Management & User Profile	VHE1-USERP	3	No	WG SA
216	2104	<b>Extensions to existing (and possibly new) toolkits</b>	VHE1-TLKT1	2 Rel5	No	WG SA
217	2106	Stage 2	VHE1-TLKT1	3	No	WG SA
218	2107	Stage 3 (wait for stage 2)	VHE1-TLKT1	3	No	
219	2108	<b>Interaction between toolkits to enable IP multimedia services</b>	VHE1-IMS	2 Rel5	No	WG SA
220	2110	Stage 2	VHE1-IMS	3	No	WG SA
221	2111	Stage 3 (wait for stage 2)	VHE1-IMS	3	No	
222	2112	<b>Transparent roaming for services</b>	VHE1-RMG	2 Rel5	No	WG SA
223	2114	Stage 2	VHE1-RMG	3	No	WG SA
224	2115	Stage 3 (wait for stage 2)	VHE1-RMG	3	No	
225	2532	<b>Charging</b>	VHE1-CHR	2 Rel5	Yes	WG SA
226	2533	Stage 2	VHE1-CHR	3	No	WG SA
227	2534	Stage 3	VHE1-CHR	3	No	WG SA
228	2535	<b>Other VHE Enhancements</b>	VHE1-RMG	2 Rel5	Yes	WG SA
229	2536	Stage 2	VHE1-RMG	3	No	WG SA
230	2537	Stage 3	VHE1-RMG	3	No	WG SA
231	1637	<b>OSA enhancements</b>	OSA1	1 NA	Yes	WG SA
232	2120	<b>General Stage 2</b>	OSA1	2	No	WG SA
233	1424	<b>Interactions OSA - e-commerce</b>	OSA1-ECOM	2 Rel4	No	WG SA
234	1425	Stage 1	OSA1-ECOM	3	No	WG SA
235	1529	Stages 2 and 3	OSA1-ECOM	3	No	WG CN
236	1429	<b>OSA APIs for MuMa CC</b>	OSA1-CSCF	2 Rel5	No	WG SA
237	1430	Stage 1	OSA1-CSCF	3	No	WG SA
238	1530	Stages 2 and 3	OSA1-CSCF	3	No	WG CN
239	1419	<b>OSA security</b>	OSA1-SEC	2 Rel5	No	WG SA
240	2121	Stage 1	OSA1-SEC	3	No	WG SA
241	1420	Stage 2	OSA1-SEC	3	No	WG SA

242	1421	Stage 3	OSA1-SEC	3	No	WG SA
243	1422	security related SCF(s) definition	OSA1-SEC	3	No	WG CN
244	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR	OSA1-SEC	3	No	WG SA
245	1621	impact on terminal	OSA1-SEC	3	No	WG T2
246	1433	<b>Retrieval of Terminal capabilities</b>	OSA1-TC	2 Rel5	No	WG SA
247	1434	Stage 1	OSA1-TC	3	No	WG SA
248	1436	Stages 2 and 3	OSA1-TC	3	No	WG CN
249	2122	Provisioning of the terminal capabilities	OSA1-TC	3	No	WG T2
250	1786	<b>LCS - OSA interfaces</b>	OSA1-LCSI	2 Rel4	No	WG SA
251	1787	Stage 1	OSA1-LCSI	3	No	WG SA
252	2124	Stage 2	OSA1-LCSI	3	No	WG SA
253	1788	Stage 3	OSA1-LCSI	3	No	WG CN
254	2538	<b>Interaction with Rel-5 features</b>		2 Rel5	No	WG SA
255	2539	Access to Presence information	OSA1-PI	3	No	WG SA
256	2540	Access to User Profile	OSA1-UP	3	No	WG SA
257	2541	Policy Management	OSA1-PM	3	No	WG SA
258	2519	<b>OSA Stage 3</b>	OSA1	2 Rel5	No	WG CN
259	2116	<b>(copy) Charging and OAM&amp;P (!)</b>	OSA1-OAM	2 Rel5	No	WG SA
260	1638	<b>CAMEL phase 4</b>	CAMEL4	1 Rel5	No	WG SA
261	1461	<b>Service requirements</b>	CAMEL4	2	No	WG SA
262	2011	<b>Charging notification to the CSE</b>	CAMEL4-CNCNE	2	No	WG CN
263	2012	<b>Call Party Handling</b>	CAMEL4-CPH	2	No	WG CN
264	2013	<b>Mid call procedure for MO and MT calls</b>	CAMEL4-MCP	2	No	WG CN
265	2014	<b>Interactions with Optimal Routing</b>	CAMEL4-IOR	2	No	WG CN
266	2015	<b>Inclusion of flexible tone injection</b>	CAMEL4-IFTI	2	No	WG CN
267	2016	<b>CSE control over MT SMS</b>	CAMEL4-CCSMS	2	No	WG CN
268	2017	<b>CAMEL applicability to media streams like VoIP</b>	CAMEL4-ONSTRM	2	No	WG CN

269	2460	<b>Notification of GPRS mobility management to CSE</b>	CAMEL4-NMM	2		No	WG CN
270	2459	<b>Enhancement of dialled services</b>	CAMEL4-EDS	2		No	WG CN
271	2458	<b>Provision of location information of called subscriber</b>	CAMEL4-LOCB	2		No	WG CN
272	2514	<b>Inclusion of ODB data in the CSE_HLR interface</b>	CAMEL4-ODB	2		No	WG CN
273	2515	<b>Location information during an ongoing call (Handover DP)</b>	CAMEL4-HODP	2		No	WG CN
274	2516	<b>GPRS Any Time Interrogation</b>	CAMEL4-ATI	2		No	WG CN
275	1445	<b>MExE enhancements Rel-4</b>	MEXE	1	NA	No	WG T2
276	1447	<b>MExE Security Analysis Activity</b>	MEXE-SEC	2	Rel5	No	WG SA
277	2045	Stage 3	MEXE1-SEC	3		No	WG SA
278	1448	Terminal aspects		3		No	WG T2
279	1810	<b>MExE Rel4 Improvements and Investigations</b>	MEXE-ENHANC	2	Rel4	No	WG T2
280	1812	3rd MExE classmark		3		No	WG T2
281	1814	FS on Secure download mechanism and capabilities to support SDR concepts		3		No	WG T2
282	1815	FS on Support of MP3/MPEG4 content		3		No	WG T2
283	2464	<b>MExE enhancements Rel-5</b>	MEXE5	1	NA	No	WG T2
284	2465	<b>MExE Rel-5 Security Analysis</b>	MEXE5-SEC	2	Rel5	No	WG T2
285	2466	<b>MExE Rel-5 Improvements and Investigations</b>	MEXE5-ENHANC	2	Rel5	No	WG T2
286	1625	<b>Wideband Telephony Service - AMR</b>	AMRWB	1	Rel5	No	WG SA
287	62	<b>Specification</b>	AMRWB	2		No	WG SA
288	1459	Design Constraints	AMRWB	3		No	WG SA
289	1460	General Description	AMRWB	3		No	WG SA
290	1626	Feasibility Study	AMRWB	3		No	WG SA
291	67	Codec issues	AMRWB	3		No	WG SA
292	1627	Codec qualification	AMRWB	4		No	WG SA
293	74	Codec selection tests	AMRWB	4		No	WG SA
294	891	Codec selection	AMRWB	4		No	WG SA

295	890	Other codec issues (verif., characterisation)	AMRWB	4	No	WG SA
296	1989	Start Testing	AMRWB	3	No	MLST
297	1855	Conformance tests (CRs to 34 series)	AMRWB	3	No	WG T1
298	76	Terminal Acoustic Characteristics	AMRWB	3	No	WG SA
299	1628	Definition	AMRWB	4	No	WG SA
300	1629	Test specification	AMRWB	4	No	WG SA
301	889	<b>Implementation</b>	AMRWB	2	No	WG SA
302	893	In UTRAN	AMRWB	3	No	TSG RA
303	80	Support of AMR-WB in GERAN	GAMRWB	3	No	TSG GE
304	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 45.003	GAMRWB	4	No	TSG GE
305	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A interface	GAMRWB	4	No	TSG GE
306	2267	GMSK and 8PSK WB FR / HR support - Signalling for lu	GAMRWB	4	No	TSG GE
307	2268	GMSK and 8PSK WB FR / HR support - Link adaptation in 45.009	GAMRWB	4	No	TSG GE
308	2269	GERAN MS conformance test for AMR-WB	GAMRWB	4	No	TSG GE
309	2270	MS test	GAMRWB	5	No	TSG GE
310	2271	GERAN BTS conformance test for AMR-WB	GAMRWB	4	No	TSG GE
311	2272	BTS test	GAMRWB	5	No	TSG GE
312	1656	In CN, see notes	AMRWB	3	No	WG CN
313	1541	<a href="#">Transcoder-Free Operation</a>	TrFO	1 Rel4	No	WG CN
314	112	<b>OoBTC solution</b>	TRFO-OoBTC	2	No	WG CN
315	1512	implementation in UTRAN	TRFO-OoBTC-UTRAN	3 Rel4	No	WG RA
316	896	Impact on architecture, Principles and Terminology	TRFO-OoBTC	3	No	WG SA
317	1657	Codec Negotiation between UE and MSC	TRFO-OoBTC	3	No	WG CN
318	115	Codec Negotiation inter MSC	TRFO-OoBTC	3	No	WG CN
319	894	Bearer establishment inter MSC	TRFO-OoBTC	3	No	WG CN
320	1617	Prevention of user fraud	TRFO-OoBTC	3	No	WG SA



321	905	<b>Speech Transcoder: Location and Control at the UMTS Core Network Border</b>	TRFO-STLC	2	No	WG SA
322	124	Transcoder at Edge	TRFO-STLC	3	No	TSG CN
323	1631	<a href="#">Tandem Free aspects for 3G and between 2G and 3G systems</a>	TFO	1 Rel4	No	WG SA
324	1632	<b>Tandem Free AMR</b>	TFO-AMR	2	No	WG SA
325	130	Specification	TFO-AMR	3	No	WG SA
326	907	Impact on:	TFO-AMR	3	No	TSG CN
327	131	CN	TFO-AMR	4	No	TSG CN
328	132	GERAN	TFO-AMR	4	No	TSG GE
329	1818	<a href="#">Multimedia Messaging</a>	MMS	1 Rel4	No	WG T2
330	136	<b>Definition of service requirements</b>	MMS	2	No	WG SA
331	1819	<b>Review of definition of service requirements</b>		2	No	WG T2
332	1820	<b>Technical Realisation</b>		2	No	WG T2
333	1821	Review of definition of reference Achitecture model		3	No	WG T2
334	1822	"Fulfill Requirements of Stage 1"		3	No	WG T2
335	1823	Definition of MMS primitives in Stage 2		3	No	WG T2
336	1826	<a href="#">Terminal interfaces</a>	TI	1 NA	Yes	WG T2
337	1827	<b>AT commands enhancements</b>	TI-ATC	2 Rel4	No	WG T2
338	1828	Specification of AT commands for new services		3	No	WG T2
339	1858	UE Conformance test spec. AT command	TI-ATC	3	No	WG T1
340	1829	<b>Wide Area Data Synchronisation</b>	TI-WADS	2 NA	Yes	WG T2
341	1830	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL	3 Rel4	No	WG T2
342	1831	vObjects and Other Constructs for Use in Data Synchronisation	TI-SYNC-VOBJ	3 Rel5	No	WG T2
343	2251	Start Testing	AMRWB	3	No	MLST
344	1860	UE Conformance test spec. Wide area data sync	TI-WADS	3	No	WG T1
345	1832	<b>Terminal local model</b>	TLM	2 Rel4	No	WG T2
346	2573	<b>Terminal local model enhancements</b>	TLM5	2 Rel5	No	WG T2
347	1536	<a href="#">Location Services enhancements</a>	LCS1	1 NA	Yes	WG SA
348	1171	<b>Event based and Periodic LCS</b>	LCS1-EBP	2 Rel5	No	WG SA

349	1641	Stage 1	LCS1-EBP	3	No	WG SA	
350	1538	Stage 2 specification	LCS1-EBP	3	No	WG SA	
351	1179	Impact on MAP	LCS1-EBP	3	No	WG CN	
352	519	<b>(copy) Charging and OAM&amp;P (!)</b>	LCS1-OAM	2	Rel5	No	WG SA
353	521	<b>New security aspects of LCS (not identified)</b>	LCS1-SEC	2		No	WG SA
354	523	<b>LCS support in the CS domain</b>	LCS1-CS	2	Rel4	No	WG SA
355	525	<b>LCS support in the PS domain</b>	LCS1-PS	2	Rel4	No	WG SA
356	1642	Stage 1	LCS1-PS	3		No	WG SA
357	1181	Stage 2	LCS1-PS	3		No	WG SA
358	1180	Stage 3	LCS1-PS	3		No	WG CN
359	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)	LCS1-PS	4		No	WG CN
360	2462	MAP impacts of LCS	LCS1-PS	4		No	WG CN
361	527	GTP signaling for LCS	LCS1-PS	4		No	WG CN
362	544	<b>LCS interoperation stage 2 aspects</b>		2		No	WG SA
363	2434	<b>LCS interoperation stage 2 aspects to GERAN</b>	LCS-GERAN	2		No	TSG GE
364	2435	Co-ordinated development of GSM LCS Phase 2and UMTS LCS, S2 and GERAN	LCS-GERAN	3		No	TSG GE
365	2436	<b>Location Services for GERAN in A/Gb Mode</b>	LCS-GERAN	2		No	TSG GE
366	2437	GERAN LCS Stage 2 (first release)	LCS-GERAN	3		No	TSG GE
367	2438	Gb interface support for LCS	LCS-GERAN	3		No	TSG GE
368	2439	RLC/MAC protocol support for LCS	LCS-GERAN	3		No	TSG GE
369	2440	L3 protocol support for LCS	LCS-GERAN	3		No	TSG GE
370	2441	Stage 3 specifications	LCS-GERAN	3		No	TSG GE
371	2442	<b>Location Services for GERAN in lu Mode</b>	LCS-GERAN	2		No	TSG GE
372	2443	GERAN LCS Stage 2 (second release)	LCS-GERAN	3		No	TSG GE
373	2444	lu-ps interface support for LCS	LCS-GERAN	3		No	TSG GE
374	2445	lu-cs interface support for LCS	LCS-GERAN	3		No	TSG GE
375	2446	lur-g interface support for LCS	LCS-GERAN	3		No	TSG GE
376	2447	RRC protocol support for LCS	LCS-GERAN	3		No	TSG GE
377	2448	Additional impacts on Broadcast of LCS data on packet channels	LCS-GERAN	3		No	TSG GE
378	2449	Stage 3 specifications	LCS-GERAN	3		No	TSG GE

379	2450	<b>GERAN MS Conformance test for LCS</b>	LCS-GERAN	2	No	WG GE
380	2451	MS test	LCS-GERAN	3	No	WG GE
381	2452	<b>GERAN BTS Conformance test for LCS</b>	LCS-GERAN	2	No	WG GE
382	2453	BTS test	LCS-GERAN	3	No	WG GE
383	2229	<b>CBS interactions</b>	LCS1-CBS	2 Rel4	No	WG T2
384	1600	<b>UE positioning</b>	LCS1-UEpos	2 Rel5	No	TSG RA
385	1601	lub/lur interfaces for methods Rel 99	LCS1-UEpos-lublur	3 Rel4	No	WG RA
386	1602	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	3 Rel4	No	WG RA
387	2457	UE positioning enhancements - other methods	LCS1-UEpos-enh	3 Rel5	No	WG RA
388	2474	UE positioning enhancements for 1.28 Mcps TDD		3 Rel5	No	WG RA
389	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning		3 Rel5	No	WG RA
390	1603	(Copy) UTRA repeater specification		3	No	WG RA
391	1796	<b>(Copy) LCS application interfaces (LCS-OSA)</b>		2	No	WG SA
392	1183	<b>FS on LCS support in the IM CN subsystem</b>		2	No	WG SA
393	2125	<b>Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning</b>	LCS-INTF	2 Rel5	No	WG RA
394	2127	Stage 2		3	No	WG SA
395	2126	Stage 3		3	No	
396	1542	<b>TO BE DELETED- Ensure reliable QoS for PS domain</b>	QoSPS	1 Rel4	No	WG SA
397	1543	<b>stage 2 for End-to-end QoS (re)negotiation and reservation mechanisms</b>	QoSPS	2	No	WG SA
398	1658	<b>stage 3 for End-to-end QoS (re)negotiation and reservation mechanisms, including HO</b>	QoSPS	2	No	WG CN
399	1545	GMM and SM aspects	QoSPS	3	No	WG CN
400	1546	GTP aspects	QoSPS	3	No	WG CN
401	1547	<b>Mapping of end to end QoS parameters on each interface</b>	QoSPS-MAPEND	2	No	WG SA
402	1548	Impacts on N4 documents		3	No	WG CN
403	1549	End to End QoS Stage 3		3 Rel5	No	WG CN
404	1550	<b>Interactions between external mechanisms and UMTS mechanisms for QoS negotiation and reservation</b>		2	Yes	WG CN
405	1660	<b>Mapping between the QoS UMTS point codes and the QoS External point codes</b>	QoSPS-	2	No	WG CN

			ENDEND-CPMAPP				
406	1552	<b>(copy) Charging Management</b>	QoSPS-OAMCH	2	Rel5	No	WG SA
407	1619	<b>Application aspects, multi-mode aspects</b>		2		No	WG T2
408	1554	<b>Evolution of maximum SDU size</b>	QoSPS-MAXSDU	2		No	WG SA
409	1555	Impacts on CN protocols (e.g., GTP, MAP)		3		No	WG CN
410	1556	Impact on interworking over GTP e.g. PPP		3		No	WG CN
411	1611	<b>Admission control function triggers</b>	QoSPS-AdmC	2	NA	No	WG RA
412	1560	<a href="#">UICC/(U)SIM enhancements and interworking</a>	UICC1	1	NA	Yes	WG T3
413	1799	<b>Common PCN Handset Specification (CPHS)</b>	UICC1-CPHS	2	Rel4	No	WG T3
414	2517	<b>UICC/USIM Transport Protocol</b>	UICC1-Protochl	2	Rel5	No	WG T3
415	1800	<a href="#">(U)SIM toolkit enhancements</a>	USAT1	1	NA	Yes	WG T3
416	1566	<b>Enhancements to (U)SIM toolkit secure messaging</b>	USAT1-SM	2	Rel5	No	WG T3
417	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	USAT1-Interpr	2	Rel5	No	WG T3
418	2497	Stage 1		3		No	WG T3
419	2496	Stage 2 and 3		3		No	WG T3
420	2518	Test specification		3		No	WG T3
421	2034	<b>USAT local link</b>	USAT1-LocLnk	2	Rel4	No	WG T3
422	1802	<b>UICC API</b>	USAT1-API	2	NA	Yes	WG T3
423	2031	Multos API	USAT1-API-MULTOS	3	Rel5	No	WG T3
424	2032	Specification	USAT1-API-MULTOS	4		No	WG T3
425	2033	Test specification	USAT1-API-MULTOS	4		No	WG T3
426	1571	<a href="#">Security enhancements</a>	SEC1	1	NA	No	WG SA
427	2099	<b>UE triggered authentication during connections</b>	SEC1-UETADC	2	Rel4	No	WG SA

428	2254	Stage3	SEC1-UETADC	3		No	WG CN
429	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)</b>	SEC1-CSALGO1	2	Rel4	No	WG SA
430	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	SEC1-PSALGO1	2	Rel4	No	WG SA
431	1589	Main aspects	SEC1-PSALGO1	3		No	WG SA
432	1618	Impact on GTP	SEC1-PSALGO1	3		No	WG CN
433	1661	GEA capability indication in MS CM	SEC1-PSALGO1-GEACAP	3		No	WG CN
434	1572	<b>Protection for user plane data</b>	SEC1-PUPD	2	Rel5	Yes	WG SA
435	1573	Integrity protection in access network	SEC1-PUPD	3		No	WG SA
436	1575	Network based end-to-end security	SEC1-PUPD	3		No	WG SA
437	1576	<b>Network domain security</b>	SEC1-NDS	2		Yes	WG SA
438	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by IPsec)	SEC1-NDS	3	Rel5	No	WG SA
439	1578	Main aspects	SEC1-NDS	4		No	WG SA
440	1579	Integration of GTP signalling security architecture	SEC1-NDS	4		No	WG CN
441	1580	User plane protection in core network (e.g., provided by IPsec)	SEC1-NDS	3	Rel5	No	WG SA
442	1581	Main aspects	SEC1-NDS	4		No	WG SA
443	1582	Integration of GTP signalling security architecture	SEC1-NDS	4		No	WG CN
444	2098	Study of network-based denial of service	SEC1-NDS	3		No	WG SA
445	1583	<b>MAP application layer security</b>	SEC1-MAPAL	2	NA	Yes	WG SA
446	2575	Network Domain Security; MAP application layer security	SEC1-NDS-MAP	3	Rel4	No	WG SA
447	2576	Network Domain Security; IP network layer security (NDS/IP)	SEC1-NDS-IP	3	Rel5	No	WG SA
448	1584	Main aspects	SEC1-MAPAL	3		No	WG SA
449	2025	Other stage 3 aspects	SEC1-MAPAL	3		No	WG CN
450	1586	<b>Key management for core network security</b>	SEC1-KMCN	2		No	WG SA

451	1594	<b>Visibility and Configurability of security</b>	SEC1-VCS	2 Rel4	No	WG SA
452	1595	<b>FIGS</b>	SEC1-FIGS	2 Rel5	No	WG SA
453	2026	<b>Enhanced HE control of security (including positive authentication reporting)</b>		2 Rel6	No	WG SA
454	2027	Stage 2		3	No	WG SA
455	2028	FS on Network impacts		3	No	WG CN
456	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	MISTST1	1 NA	Yes	WG T1
457	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	MISTST1-OpFDD	2	No	WG T1
458	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	MISTST1-OpTDD	2	No	WG T1
459	1907	<b>Extensions to R99 Test cases</b>	MISTST1-Ext	2	No	WG T1
460	2564	<b>Extension to R99 Test cases - TTCN</b>	MISTST1-Ext	2	No	WG T1
461	2565	<b>Creation of R99 TCs for TDD - prose</b>	MISTST1-TDD	2	No	WG T1
462	2566	<b>Creation of R99 TCs for TDD - TTCN</b>	MISTST1-TDD	2	No	WG T1
463	1908	<b>Review all other work items for impact on new or exiting 34 series specs.</b>	MISTST1	2	No	WG T1
464	1909	<b>Additional signalling tests to cover VHE, OSA, MExE, W/B Telephony AMR &amp; TrFO</b>	MISTST1	2	No	WG T1
465	1365	<b>Support of Push Services</b>	PUSH	1 Rel5	No	WG SA
466	1142	<b>Charging and OAM&amp;P (Master)</b>	OAM	1 Rel4/5	No	WG SA
467	2089	<b>Principles, high level Requirements and Architecture (AR/PR) (Master)</b>	OAM-AR/PR	2 Rel4	No	WG SA
468	2088	<b>Performance Management (PM) (Master)</b>	OAM-PM	2 Rel4	No	WG SA
469	2081	<b>Fault Management (FM) (Master)</b>	OAM-FM	2 Rel4	No	WG SA
470	2082	<b>Configuration Management (CM) (Master)</b>	OAM-CM	2 Rel4	No	WG SA
471	2242	<b>Charging Management for IMS (Master)</b>	OAM-CH/IP	2 Rel5	No	WG SA
472	2083	<b>Charging Management (CH) (Master)</b>	OAM-CH	2 Rel4	No	WG SA
473	2062	<b>Subscription Management</b>	SM	1 Rel5	No	WG SA
474	2071	<b>UTRAN Operations and Maintenance procedures</b>	UOAM	1 Rel4	No	WG SA
475	1993	<b>small Technical Enhancements and Improvements for Rel4</b>	TEI4	1 Rel4	No	Generic

476	2230	<a href="#">Advanced Speech Call Items enhancements_REL-4</a>	ASCI	1 Rel4	No	WG CN
477	2232	<b>Stage 2</b>	ASCI	2	No	WG CN
478	2231	<b>Stages 2 and 3 on A interface</b>	ASCI	2	No	WG CN
479	2243	<a href="#">Intra Domain Connection of RAN Nodes to Multiple CN Nodes</a>	MULCN	1 Rel5	No	WG SA
480	2244	<b>Overall System Architecture</b>	MULCN	2	No	WG SA
481	2245	<b>RAN work</b>	MULCN	2	No	WG RA
482	2246	<b>GERAN work</b>	MULCN	2	No	WG GE
483	2247	<b>CN work</b>	MULCN	2	No	WG CN
484	2248	N1 work	MULCN	3	No	WG CN
485	2249	N4 work	MULCN	3	No	WG CN
486	2310	<a href="#">GERAN improvements 1</a>	GEIMP1	1 Rel4	No	TSG GE
487	2311	<b>Gb over IP (Ip-fication of Gb)</b>	GbIP	2	No	TSG GE
488	2312	Concept		3	No	TSG GE
489	2313	Changes to 08.16, 08.18		3	No	TSG GE
490	2314	<a href="#">GERAN improvements 2</a>	GEIMP2	1 Rel4	No	TSG GE
491	2315	<b>Gb enhancements</b>	Gben	2	No	TSG GE
492	2316	NACC (network Assisted Cell Change)		3	No	TSG GE
493	2420	Concept		4	No	TSG GE
494	2317	Changes in 03.64		4	No	TSG GE
495	2318	Changes in 04.60		4	No	TSG GE
496	2319	Changes in 44.008		4	No	TSG GE
497	2320	<a href="#">GERAN improvements 3</a>	GEIMP3	1 Rel5	No	TSG GE
498	2321	<b>Evolution of the transport for A</b>	EtA	2	No	TSG GE
499	2322	Definition of a new A interface Transport Layer option based on the Iu Interface Transport Layer		3	No	TSG GE
500	2323	Adaptation of the Layer 3 BSSMAP procedures as required		3	No	TSG GE
501	2324	<a href="#">GERAN improvements 4</a>		1 Rel4	No	TSG GE
502	2325	<b>Gb enhancements 2</b>		2	No	TSG GE
503	2429	stage 2		3	No	TSG GE

504	2421	Stage 3 (changes in 44.060)		3	No	WG GE
505	2327	Definition of enhanced countdown procedure		4	No	WG GE
506	2328	Definition of enhanced TBF release procedure		4	No	WG GE
507	2329	Definition of USF=FREE type polling mechanism on PDCH		4	No	WG GE
508	2330	<b>GERAN support for IP multimedia</b>		1 Rel5	No	TSG GE
509	2331	<b>GERAN Header adaptation</b>		2	No	TSG GE
510	2332	Definition of compression and removal modes for PDCP protocol		3	No	TSG GE
511	2333	Conceptual description in stage 2		3	No	TSG GE
512	2334	Necessary changes on stage 3 regarding header removal		3	No	TSG GE
513	2335	<b>GERAN Radio access bearer design for IP multimedia</b>		2	No	TSG GE
514	2422	MuM control signalling for conversational multimedia services		3	No	TSG GE
515	2431	Identification of requirements		4	No	TSG GE
516	2337	Necessary modifications due to SIP		4	No	TSG GE
517	2338	<b>Physical layer multiplexing</b>		2	No	TSG GE
518	2339	Stage 2		3	No	TSG GE
519	2432	Stage 3		3	No	TSG GE
520	2341	<b>GERAN MS Conformance test for support of IP multimedia</b>		2	No	TSG GE
521	2342	MS test		3	No	WG GE
522	2343	<b>GERAN BTS Conformance test for support of IP multimedia</b>		2	No	TSG GE
523	2344	BTS test		3	No	WG GE
524	2345	<b>Alignment of 3G functional split and lu</b>		1 Rel5	No	TSG GE
525	2346	<b>GERAN user / control plane</b>		2	No	TSG GE
526	2347	Alignment with UMTS bearer concept		3	No	TSG GE
527	2423	Stage 2		4	No	TSG GE
528	2348	Adoption of the UTRAN PDCP		4	No	TSG GE
529	2349	Development of RLC / MAC		4	No	TSG GE
530	2350	Development of GERAN RR		4	No	TSG GE
531	2351	Ciphering and integrity protection		4	No	TSG GE
532	2352	Logical and physical channel realization TCH, PDTCH, control channels) 45.002		4	No	TSG GE
533	2353	Use of stealing bits		4	No	TSG GE
534	2354	Fast access		4	No	TSG GE



535	2355	Fast power control		4	No	TSG GE
536	2424	Physical layer alignment with UMTS bearer concept		3	No	TSG GE
537	2356	PDTCH/TCH in 45.003		4	No	TSG GE
538	2357	Control channels in 45.003		4	No	TSG GE
539	2358	Receiver performance in 45.005 for PDTCH/TCH and control channels		4	No	TSG GE
540	2359	<b>lu rg interface</b>		2	No	TSG GE
541	2425	Inter BSS interface		3	No	TSG GE
542	2360	Identification of requirements		4	No	TSG GE
543	2361	Stage 2		4	No	TSG GE
544	2362	Adoption of relevant parts from lur		4	No	TSG GE
545	2363	Complementation with GERAN specifics		4	No	TSG GE
546	2364	New stage 3		4	No	TSG GE
547	2426	Inter BSS-RNS interface		3	No	TSG GE
548	2365	Identification of requirements		4	No	TSG GE
549	2366	Stage 2		4	No	TSG GE
550	2367	Adoption of relevant parts from lur		4	No	TSG GE
551	2368	Complementation with GERAN specifics		4	No	TSG GE
552	2369	New stage 3		4	No	TSG GE
553	2370	<b>Voice over GERAN PS and CS concept</b>		2	No	TSG GE
554	2371	Architecture for A, lu cs and lu ps		3	No	TSG GE
555	2372	Transcoder position/operation		3	No	TSG GE
556	2373	Handover		3	No	TSG GE
557	2374	RTP payload		3	No	TSG GE
558	2375	FPC		3	No	TSG GE
559	2376	LA		3	No	TSG GE
560	2377	<b>GERAN Narrowband speech realization</b>		2	No	TSG GE
561	2427	8-PSK NB HR		3	No	TSG GE
562	2378	Channel coding in 45.003		4	No	TSG GE
563	2379	Signalling for A interface		4	No	TSG GE
564	2380	Signalling for lu		4	No	TSG GE
565	2381	Link adaptation in 45.009		4	No	TSG GE
566	2382	Receiver performance in 45.005		4	No	TSG GE

567	2428	8-PSK NB QR		3	No	TSG GE
568	2383	Channel coding in 45.003		4	No	TSG GE
569	2384	Signalling for A interface		4	No	TSG GE
570	2385	Signalling for lu		4	No	TSG GE
571	2386	Link adaptation in 45.009		4	No	TSG GE
572	2387	Receiver performance in 45.005		4	No	TSG GE
573	2388	<b>GERAN MS Conformance test for GERAN interface evolution</b>		2	No	TSG GE
574	2389	MS test		3	No	TSG GE
575	2390	<b>GERAN MS Conformance test for GERAN interface evolution</b>		2	No	TSG GE
576	2391	BSS test		3	No	TSG GE
577	2392	<a href="#">GERAN enhancements for streaming services 1</a>		1 Rel5	No	TSG GE
578	2393	<b>GERAN enhancements for streaming services 1</b>		2	No	TSG GE
579	2394	Concept		3	No	TSG GE
580	2395	RLC protocol enhancement		3	No	TSG GE
581	2396	<a href="#">GERAN enhancements for streaming services 2</a>		1 Rel5	No	TSG GE
582	2397	<b>GERAN enhancements for streaming services 2</b>		2	No	TSG GE
583	2398	Usage of ECSD		3	No	TSG GE
584	2399	Stage 2		3	No	TSG GE
585	2400	Stage 3		3	No	TSG GE
586	2401	RLC PDU formats		3	No	TSG GE
587	2402	MAC header		3	No	TSG GE
588	2403	<a href="#">700 MHz spectrum support</a>		1 Rel4	No	TSG GE
589	2404	<b>GERAN support for the 700 MHz band</b>		2	No	TSG GE
590	2405	Signalling support		3	No	TSG GE
591	2406	Physical layer definitions		3	No	TSG GE
592	2407	Receiver performance and RF budget		3	No	TSG GE
593	2408	<b>GERAN MS Conformance test for 700 MHz band</b>		2	No	TSG GE
594	2409	MS test		3	No	TSG GE
595	2410	<b>GERAN BTS Conformance test for 700 MHz band</b>		2	No	TSG GE
596	2411	BTS test		3	No	TSG GE

597	2412	<a href="#">GERAN/UTRAN interface evolution 1</a>		1 Rel5	No	TSG GE
598	2413	<b>Evolution of lu ps</b>		2	No	TSG GE
599	2414	Identification of GERAN requirements on lu ps		3	No	TSG GE
600	2415	Update of specifications		3	No	TSG GE
601	2416	<a href="#">GERAN/UTRAN interface evolution 2</a>		1 Rel5	No	TSG GE
602	2417	<b>Evolution of lu cs</b>		2	No	TSG GE
603	2418	Identification of GERAN requirements on lu cs		3	No	TSG GE
604	2419	Update of specifications		3	No	TSG GE
605	2463	<a href="#">Operator Determined Barring for Packet Oriented Services</a>	ODB	1 Rel4	No	TSG CN
606	2499	<a href="#">Support of Presence Capability</a>	PRESNC	1 Rel5	No	WG SA
607	2501	<b>Stage 1</b>		2	No	WG SA
608	2502	<b>Stage 2</b>		2	No	WG SA
609	2503	<b>Stage 3</b>		2	No	TSG CN
610	2504	Security issues		3	No	WG SA
611	2505	USIM issues		3	No	WG T3
612	2506	UE issues		3	No	WG T2
613	2507	<a href="#">Display of Service Provider name on UE</a>	SPNAME	1 Rel5	No	WG SA
614	2508	<b>Stage 1</b>		2	No	WG SA
615	2509	<b>Stage 2</b>		2	No	WG SA
616	2510	<b>Stage 3</b>		2	No	TSG CN
617	2511	Security issues		3	No	WG SA
618	2512	USIM issues		3	No	WG T3
619	2513	UE issues		3	No	WG T2
620	2520	<a href="#">User Equipment Management</a>	UEM	1 Rel5	No	WG SA
621	2527	<a href="#">Emergency calls without UICC/SIM in netw. with IMS</a>		1 Rel5	No	WG SA
622	2528	<b>Stage 3 work for CN1</b>		2	No	WG CN
623	2542	<a href="#">Streaming Service</a>	STRM	1	No	WG SA
624	2543	<b>Stage 1</b>		2	No	WG SA

625	2544	<b>Broadcast/Multicast MM</b>	BMMM	1	No	WG SA
626	2545	<b>Stage 1</b>		2	No	WG SA
627	2546	<b>UMTS QoS Architecture for PS Domain</b>	QoSPS	1 Rel4	No	WG SA
628	2547	<b>Requirements</b>		2	No	WG SA
629	2548	<b>Architecture</b>		2	No	WG SA
630	1624	<b>Security aspects</b>		2	No	WG SA
631	2550	<b>Charging and QoS Management</b>		2	No	WG SA
632	2551	<b>IE for QoS PS Domain</b>		2	No	WG CN
633	2552	<b>Interwork with External Networks</b>		2	No	WG CN
634	1681	<b>RAB Quality of Service (re)Negotiation over lu</b>	QoSPS- MAPEND- RABQoS	2	No	WG RA
635	1991	RAB Quality of Service Negotiation over lu	QoSPS- MAPEND- RABQoS- Negot	3	No	WG RA
636	2456	RAB Quality of Service Negotiation over lu during relocation	QoSPS- MAPEND- RABQoS- NegotReloc	3	No	WG RA
637	1992	RAB Quality of Service Re-Negotiation over lu	QoSPS- MAPEND- RABQoS- ReNegot	3	No	WG RA
638	1553	<b>GERAN QoS Aspects - Handovers: maintenance of real-time QoS while moving between cells in the PLMN including inter-SGSN and SRNS relocation or possibly other mechanisms</b>	GERQoS	2	No	TSG GE
639	2306	Handover for the PS domain		3	No	TSG GE
640	2309	Stable RT handover report 25.936 including header removal		4	No	TSG GE
641	2307	Update of stage 2		4	No	TSG GE
642	2308	Update of relevant stage 3 specs		4	No	TSG GE
643	1685	<b>PS-domain handover for real-time services</b>	QoSPS- PSdoRTS	2	No	WG RA
644	2554	<b>RAB QoS Renegotiation at Relocation</b>		2	No	WG RA

645	2556	<a href="#">End to End QoS for PS Domain (including IMS)</a>	E2EQoS	1	Rel5	No	WG SA
646	2557	<b>E2E QoS Concept and Architecture</b>		2		No	WG SA
647	2558	<b>E2E QoS interworking</b>		2		No	WG CN
648	2559	<b>QoS Management (Provisioning and Monitoring)</b>		2		No	WG SA
649	2569	<a href="#">Messaging enhancements Rel-5</a>	MESS5	1	Rel5	No	WG T2
650	2570	<b>Definition of service requirements</b>	MMS	2		No	WG SA
651	2571	<b>Multimedia Messaging (MMS) enhancements</b>	MESS5-MMS	2	Rel5	No	WG T2
652	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>	MESS5-EMS	2	Rel5	No	WG T2

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						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	2044	<b>VERSION 2001 June 12th</b>		No																
2	1462	<b>"CTRL + a" to display all the 3GPP fields</b>		No																
3	1463	<b>If MS Project crashes, hide the "hyperlink" field</b>		No																
4	2058			No																
5	96			No																
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	Yes	TSG RAN															
7	625	<b>IP transport in the UTRAN</b>	Rel5	No	WG RAN3															
8	12	<b>QoS optimisation for AAL2 connections over lub and</b>	Rel4	No	WG RAN3															
9	1995	<b>Transport bearer modification procedure on lub, lur,</b>	Rel4	No	WG RAN3															
10	2257	<b>Evolution of transport in UTRAN and GERAN</b>	Rel5	No	WG RAN3															
11	2258	Addition of transport mechanisms other than ATM for lu - Identifi		No	WG RAN3															
12	2259	Addition of transport mechanisms other than ATM for lu - Specif		No	WG RAN3															
13	1834	<b>Conformance Test Aspects</b>		No	WG T1															
14	2208	Testing RAB support enhancements		No	WG T1															
15	4	<b>Evolutions of the transport in the CN</b>	NA	Yes	WG CN4															
16	859	<b>IP Transport of CN protocols (e.g., CAP, MAP)</b>	Rel4	No	WG CN4															
17	1679	Stage 3		No	WG CN4															
18	2018	CAP		Yes	WG CN2															
19	2019	MAP		No	WG CN4															
20	2253	BSSAP+		No	WG CN1															
21	2455	FS on Usage of SUA	Rel-5	No	WG CN4															
22	1513	<b>FS on Transport and control separation in the PS CN</b>		No	WG SA2															
23	1615	Architectural impacts		No	WG SA2															
24	2476	<b>High Speed Downlink Packet Access</b>	Rel5	No	WG RAN2															
25	2477	<b>Physical Layer</b>		No	WG RAN1															
26	2478	<b>Layer 2 and 3 aspects</b>		No	WG RAN2															
27	2479	<b>lub/lur protocol aspects</b>	Rel5	No	WG RAN3															
28	2480	<b>RF Radio Transmission/ Reception, System Performanc</b>		No	WG RAN4															
29	2481	<b>Enhancement of Broadcast and Introduction of Mul</b>	Rel5	No	WG RAN2															

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30	1216	<b>Improvements of Radio Interface</b>	NA	Yes	TSG RAN															
31	1470	<b>Improvement of inter-frequency and inter-system m</b>	Rel5	No	WG RAN1															
32	1471	<b>Base station classification</b>	Rel5	No	WG RAN4															
33	1476	FDD Base station classification		No	WG RAN4															
34	1477	TDD Base station classification		No	WG RAN4															
35	1217	<b>Hybrid ARQ II/III</b>	Rel5	No	WG RAN2															
36	1218	<b>Improved usage of downlink resource in FDD for CCTrC</b>	Rel5	No	WG RAN2															
37	1507	<b>Terminal Power Saving features</b>	Rel5	No	WG RAN1															
38	1509	<b>UTRA repeater specification (master)</b>	Rel4	No	WG RAN4															
39	1994	<b>DSCH power control improvement in soft handover</b>	Rel4	No	WG RAN1															
40	1996	<b>UMTS 1800</b>	Rel4	No	WG RAN4															
41	2467	<b>UMTS 1900</b>	Rel5	No	WG RAN4															
42	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel5	No	WG RAN1															
43	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5	No	WG RAN1															
44	2470	<b>Gated DPCCH Transmission</b>	Rel5	No	WG RAN1															
45	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5	No	WG RAN1															
46	1506	<b>FS on Radio link performance enhancements</b>	Rel5	No	WG RAN1															
47	1219	<b>FS on High Speed downlink packet access</b>		No	WG RAN2															
48	1221	<b>FS on USTS</b>	Rel5	No	WG RAN1															
49	1510	<b>FS on improved common DL channel for Cell-FACH s</b>		No	WG RAN2															
50	1997	<b>FS on UE antenna efficiency test method performanc</b>		No	WG RAN4															
51	2494	<b>FS on the re-introduction of the downlink SIR measu</b>	Rel5	No	WG RAN4															
52	2493	<b>FS on mitigating the effect of CPICH interference at</b>	Rel5	No	WG RAN4															
53	1839	<b>Conformance Test Spec. improvements in Radio Inte</b>		No	WG T1															
54	2210	Testing improvement of inter-frequency and inter-system measu		No	WG T1															
55	2211	Testing Hybrid ARQ II/III		No	WG T1															
56	2212	Testing Improved usage of downlink resource in FDD for CCTrC		No	WG T1															
57	2213	Testing Terminal Power saving features		No	WG T1															
58	2214	Testing DSCH power control improvement in soft handover		No	WG T1															

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59	2215	Testing UMTS 1800/1900		No	WG T1															
60	2561	Testing UMTS 1800/1900 - TTCN		No	WG T1															
61	1222	<b>Low Chip Rate TDD option</b>	Rel4	No	WG RAN1															
62	1223	<b>Physical layer</b>		No	WG RAN1															
63	1224	<b>Layer 2 and layer 3 protocol aspects</b>		No	WG RAN2															
64	1225	<b>RF radio transmission/reception, system performanc</b>		No	WG RAN4															
65	1227	<b>UE radio access capability</b>		No	WG RAN2															
66	1228	<b>lub/lur protocol aspects</b>	Rel4	No	WG RAN3															
67	2262	<b>Low chiprate TDD interworking with GERAN</b>		No																
68	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TE		No																
69	1911	<b>Start Testing</b>		No	MLST															
70	2103	<b>Conformance Test Aspects - Low Chip Rate TDD</b>		No	WG T1															
71	2216	Testing Physical Layer		No	WG T1															
72	2217	Testing Layer 2 and layer 3 protocol aspects		No	WG T1															
73	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN		No	WG T1															
74	2218	Testing RF Radio Transmission and Reception		No	WG T1															
75	2219	Testing UE radio access capability		No	WG T1															
76	9	<b>RAN improvements</b>	NA	Yes	TSG RAN															
77	656	<b>RRM optimization for lur and lub</b>	Rel4	No	WG RAN3															
78	2488	<b>RL Timing Adjustment</b>	Rel5	No	WG RAN3															
79	2489	<b>Separation of resource reservation and radio link ac</b>	Rel5	No	WG RAN3															
80	2490	<b>Improvement of Radio Resource Management across</b>	Rel5	No	WG RAN3															
81	2491	<b>Traffic Termination Point Swapping</b>	Rel5	No	WG RAN3															
82	655	<b>Node B synchronisation for TDD</b>	Rel4	No	WG RAN1															
83	624	<b>RAB support enhancement - except Robust Header C</b>	Rel5	No	WG RAN2															
84	2206	<b>RAB support enhancement - Robust Header Compres</b>	Rel4	No	WG RAN2															
85	1680	<b>Header compression removal/stripping in the RAN</b>	Rel5	No	TSG RAN															
86	1686	<b>Unequal error protection in PS domain in the RAN</b>	Rel5	No	TSG RAN															
87	2472	<b>Node B Synchronisation for 1.28 Mcps TDD</b>	Rel5	No	WG RAN1															



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88	1912	<b>Start Testing</b>		No	MLST			◆												
89	2102	<b>Conformance Test Aspects - RAN Improvements</b>		No	WG T1			◆												
90	2220	Testing Smart antenna		No	WG T1				[Blue bar from Apr to Sep]											
91	2221	Testing Node B synchronisation for TDD		No	WG T1				[Blue bar from Apr to Sep]											
92	2222	Testing Radio access bearer support enhancements		No	WG T1				[Blue bar from Apr to Sep]											
93	2461	Testing RAB support enhancements-Robust Header Compressic		No	WG T1				[Blue bar from Apr to Sep]											
94	1273	<b>Provisioning of IP-based multimedia services</b>	Rel5	No	WG SA1				◆ MLST: Stage 3 for basic calls											
95	1274	<b>Call control and roaming to support IP-based multim</b>		No	WG SA2				◆ MLST: Stage 3 for basic calls											
96	1633	Stage 1		No	WG SA1															
97	1514	Stage 2 (Architecture and Main flows)		No	WG SA2				[Black bar from Jan to Mar]											
98	1277	FS on Impacts on HSS		No	WG CN4															
99	2233	SIP Call Control protocol for the IM CN Subsystem		No	WG CN1				◆											
100	1998	IMS signalling flows		No	WG CN1				[Black bar from Jan to Mar]											
101	1278	IMS stage 3		No	WG CN1				[Black bar from Jan to Mar]											
102	2255	IMS Session Handling; stage 2		No	WG CN1				[Black bar from Jan to Mar]											
103	2521	IETF: draft-ietf-sip-rfc2543bis-02 (Session Initiation Protocol		No	WG CN1				[Blue bar from Apr to Sep]											
104	2522	IETF: draft-sip-manyfolks-resource-01 (Without COMET)(Inte		No	WG CN1				[Blue bar from Apr to Sep]											
105	2523	IETF: draft-ietf-sip-100rel-02 (Reliability of Provisional Respo		No	WG CN1				[Blue bar from Apr to Sep]											
106	2524	IETF: draft-ietf-sip-privacy-01 (SIP extensions for caller ide		No	WG CN1				[Blue bar from Apr to Sep]											
107	2525	IETF: draft-ietf-sip-call-auth-01 (SIP extensions for media at		No	WG CN1				[Blue bar from Apr to Sep]											
108	2526	IETF: draft-roach-sip-subscribe-notify-03 (Event Notification		No	WG CN1				[Blue bar from Apr to Sep]											
109	1673	MLST: Stage 3 for basic calls		No	MLST			◆	MLST: Stage 3 for basic calls											
110	1280	SIP SS and relationship to Mg, Mw and Cx		No	WG CN4				[Blue bar from Apr to Sep]											
111	1281	Multimedia Capabilities		No	WG CN1				◆											
112	1282	Terminal capabilities		No	WG CN1				[Blue bar from Apr to Sep]											
113	1806	Terminal capabilities and Interactions on running multimedia		No	WG T2				[Blue bar from Apr to Sep]											
114	1805	Network capabilities		No	WG CN1				[Blue bar from Apr to Sep]											
115	1285	Network capabilities (N4 aspects)		No	WG CN4				[Blue bar from Apr to Sep]											
116	2529	UE Functionality Split		No	WG SA1				[Blue bar from Apr to May]											

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117	1286	CSCF – HSS (Cx) applications and services (SCP)		No	WG SA2															
118	1515	Stage 2 flows		No	WG SA2															
119	2021	Stage 2 flows (N4 ) (see note)		No	WG CN4															
120	2023	Impacts from CAMEL		No	WG CN4															
121	1288	Impact on Camel Stage 3		No	WG CN2															
122	1289	Impact on MAP		No	WG CN4															
123	2024	Stage 3 protocol on Cx		No	WG CN4															
124	1290	Addressing, Identities		No	WG SA2															
125	1291	Architectural issues		No	WG SA2															
126	1292	Impact on HSS		No	WG CN4															
127	1294	Interworking with other multimedia protocols		No	WG CN3															
128	1296	Impact on MM/CC/SM		No	WG CN1															
129	2047	Interworking between IM CN subsystem and CS networks		No	WG CN3															
130	2048	Interworking between IM CN subsystem and IP networks		No	WG CN3															
131	2530	Service Examples		No	WG SA1															
132	2531	IMS Framework Report		No	WG SA1															
133	1913	<b>Start Testing</b>		No	MLST															
134	1844	<b>Conformance Test Aspects - Provisioning of IP-based</b>		No	WG T1															
135	1298	<b>Access Security for IP-based services</b>		No	WG SA3															
136	2574	<b>Security Aspects of Requirement for Network Config</b>		No	WG SA3															
137	1299	<b>Lawful interception</b>		No	WG SA3															
138	1300	<b>RAN improvements and evolution of the bearers on 1</b>		No	TSG RAN															
139	1303	<b>(copy) Charging and OAM&amp;P</b>	Rel5	No	WG SA5															
140	1598	<b>(Copy) AMR-WB</b>		No	WG SA4															
141	1305	<b>Roaming between IMS and CS domain networks (roa</b>		No	WG CN4															
142	1457	Roaming requirements		No	WG SA1															
143	1306	Stage 2		No	WG SA2															
144	1307	Stage 2 review		No	WG CN4															
145	1456	Internetwork roaming aspects		No	?															

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146	2227	MExE interactions		No	WG T2															
147	2228	MMS interactions		No	WG T2															
148	1310	<b>Support of VHE/OSA by Rel4 network entities and proc</b>		No	WG CN5															
149	1732	<b>Number portability in IMS</b>		No	WG CN4															
150	<b>2036</b>	<b>Multimedia codecs and protocols for conversational</b>		<b>No</b>	<b>WG SA4</b>															
151	2039	Codecs		No	WG SA4															
152	2040	performance characterisation of codec		No	WG SA4															
153	2038	protocols		No	WG SA4															
154	1539	<b>Transparent End-to-End PS mobile streaming appl</b>	Rel4	No	WG SA4															
155	<b>1652</b>	<b>Emergency call enhancements</b>	<b>NA</b>	<b>Yes</b>	<b>WG CN1</b>															
156	<b>1653</b>	<b>For IP &amp; PS based calls</b>	<b>Rel5</b>	<b>No</b>	<b>WG CN1</b>															
157	1314	Service Requirements for IP-based emergency calls		No	WG SA1															
158	1315	SIP emergency calls and packet emergency calls signalling flow		No	WG CN1															
159	1316	Stage 2 for emergency calls and packet emergency calls in gene		No	WG SA2															
160	1317	Distinction of emergency call types to different emergency servi		No	WG CN1															
161	1646	Stage 3 for emergency calls and packet emergency calls in gene		No	WG CN1															
162	1605	(Copy2) Ensure reliable QoS for PS domain and IM subsystem		No	WG SA2															
163	<b>1654</b>	<b>For CS based calls</b>	<b>Rel4</b>	<b>No</b>	<b>WG CN1</b>															
164	1320	Distinction in CS domain of emergency call types to different em		No	WG SA1															
165	1999	Distinction in CS domain of emergency calls to different emerger		No	WG CN1															
166	<b>2224</b>	<b>Conformance Test Aspects - Emergency call enhanc</b>		<b>No</b>	<b>WG T1</b>															
167	2225	Testing Stage 3 for emergency calls and packet emergency calls		No	WG T1															
168	2226	Testing CS based emergency calls		No	WG T1															
169	2563	Testing CS based emergency calls - TTCN		No	WG T1															
170	<b>1322</b>	<b>Enable bearer independent CS architecture</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA2</b>															
171	<b>1323</b>	<b>Enable bearer-independent call control</b>		<b>No</b>	<b>WG CN4</b>															
172	1516	Architecture and Stage 2 description on 23.002		No	WG SA2															
173	1325	Standardisation of protocols (control & user planes) over Nb inti		No	WG CN3															
174	1326	Standardisation of protocols over reference points between MS		No	WG CN4															

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175	1616	Standardisation of detailed stage 2 description		No	WG CN4	█														
176	1327	Bearer control between MSC server and MGW		No	WG CN4	█			█											
177	1328	stage 3 - protocol issues		No	WG CN4	█														
178	1329	stage 3 - parameter value issues		No	WG CN3	█														
179	1331	<b>Lawful interception</b>		No	WG SA3	█														
180	1332	<b>Bearer Independence and codec control issues</b>		No	WG SA4	█														
181	1918	<b>Start Testing</b>		No	MLST															
182	2052	<b>Conformance Test Aspects - Enable bearer independ</b>		No	WG T1															
183	1847	UE Conformance test spec., Bearer independent CS, Protocol		No	WG T1															
184	1848	UE Conformance test spec., Bearer independent CS, TTCN		No	WG T1															
185	1340	<b>Facsimile</b>	Rel4	No	WG SA1															
186	1341	<b>Real Time Fax</b>		No	WG SA2															
187	1808	Terminal capabilities, AT commands		No	WG T2															
188	1343	Signalling aspects (e.g. ICM)		No	WG CN1															
189	1648	Service provision		No	WG CN3															
190	1345	Review whether service/stage 1 aspects need to be aligned		No	WG SA1															
191	1346	Review whether architecture/stage 2 aspects need to be aligned		No	WG SA2															
192	2041	<b>Start Testing</b>		No	MLST															
193	1851	<b>Conformance Test Aspects - Facsimile</b>		No	WG T1															
194	1517	<b>Global Text Telephony</b>	NA	Yes	WG SA2															
195	2240	<b>Minimum solution</b>	Rel5	No	WG SA2															
196	1634	Stage 1		No	WG SA1	█														
197	1519	Stage 2		No	WG SA2	█														
198	2234	Specification of Cellular Text telephone Modem		No	WG SA4	█														
199	2238	General description and C-code		No	WG SA4															
200	2237	Minimum Performance requirements		No	WG SA4	█														
201	2239	<b>Improvements of GTT</b>	Rel5	No	WG SA2															
202	1350	Activation and transport		No	WG SA2	█														
203	1520	SIP and H.324 Activation and transport		No	WG SA2	█														

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204	1521	Data Channel Activation and transport		No	WG SA2	[Blue bar]															
205	1523	Selection of transport method		No	WG SA2	[Blue bar]															
206	1809	Terminal Aspects		No	WG T2			[Blue bar]													
207	1357	USIM Aspects		No	WG T3			[Blue bar]													
208	2096	GTT using CS multimedia telephony		No	WG SA4																
209	1915	Start Testing		No	MLST																
210	1852	Conformance Test Aspects - Global Text telephony		No	WG T1						[Blue bar]										
211	1367	<b>VHE enhancements</b>	NA	Yes	WG SA1	[Grey bar]															
212	2498	<b>Global Stage 1 for VHE Enhancements</b>		No	WG SA1	[Black bar]															
213	1368	<b>Detailed definition of the VHE user profile</b>	Rel5	No	WG SA2	[Grey bar]															
214	1404	Stage 2		No	WG SA2	[Blue bar]															
215	2123	Enhanced Subscription Management & User Profile		No	WG SA5																[Blue bar]
216	2104	<b>Extensions to existing (and possibly new) toolkits</b>	Rel5	No	WG SA2																
217	2106	Stage 2		No	WG SA2			[Blue bar]													
218	2107	Stage 3 (wait for stage 2)		No							[Blue bar]										
219	2108	<b>Interaction between toolkits to enable IP multimedia</b>	Rel5	No	WG SA2																
220	2110	Stage 2		No	WG SA2			[Blue bar]													
221	2111	Stage 3 (wait for stage 2)		No							[Blue bar]										
222	2112	<b>Transparent roaming for services</b>	Rel5	No	WG SA2																
223	2114	Stage 2		No	WG SA2			[Blue bar]													
224	2115	Stage 3 (wait for stage 2)		No							[Blue bar]										
225	2532	<b>Charging</b>	Rel5	Yes	WG SA2																
226	2533	Stage 2		No	WG SA2			[Blue bar]													
227	2534	Stage 3		No	WG SA5						[Blue bar]										
228	2535	<b>Other VHE Enhancements</b>	Rel5	Yes	WG SA2																
229	2536	Stage 2		No	WG SA2			[Blue bar]													
230	2537	Stage 3		No	WG SA2						[Blue bar]										
231	1637	<b>OSA enhancements</b>	NA	Yes	WG SA1	[Grey bar]															
232	2120	<b>General Stage 2</b>		No	WG SA2	[Black bar]															

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233	1424	<b>Interactions OSA - e-commerce</b>	Rel4	No	WG SA2	█														
234	1425	Stage 1		No	WG SA1	█														
235	1529	Stages 2 and 3		No	WG CN5	█	█	█												
236	1429	<b>OSA APIs for MuMa CC</b>	Rel5	No	WG SA2	█														
237	1430	Stage 1		No	WG SA1	█														
238	1530	Stages 2 and 3		No	WG CN5	█	█	█												
239	1419	<b>OSA security</b>	Rel5	No	WG SA3	█			█	█	█	█	█	█						
240	2121	Stage 1		No	WG SA1	█			█	█	█	█	█							
241	1420	Stage 2		No	WG SA2	█														
242	1421	Stage 3		No	WG SA3	█	█	█	█	█	█	█	█							
243	1422	security related SCF(s) definition		No	WG CN5	█	█	█												
244	1423	(possibly) changes required from supporting platforms, e.g. gsm		No	WG SA3															
245	1621	impact on terminal		No	WG T2				█	█	█									
246	1433	<b>Retrieval of Terminal capabilities</b>	Rel5	No	WG SA2	█			█	█	█	█	█	█	█					
247	1434	Stage 1		No	WG SA1	█														
248	1436	Stages 2 and 3		No	WG CN5	█	█	█												
249	2122	Provisioning of the terminal capabilities		No	WG T2				█	█	█	█	█	█	█					
250	1786	<b>LCS - OSA interfaces</b>	Rel4	No	WG SA1	█														
251	1787	Stage 1		No	WG SA1															
252	2124	Stage 2		No	WG SA2	█														
253	1788	Stage 3		No	WG CN5	█	█	█												
254	<b>2538</b>	<b>Interaction with Rel-5 features</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA1</b>				█	█	█	█	█	█	█					
255	2539	Access to Presence information		No	WG SA1				█	█	█	█	█	█	█					
256	2540	Access to User Profile		No	WG SA1				█	█	█	█	█	█	█					
257	2541	Policy Management		No	WG SA1				█	█	█	█	█	█	█					
258	2519	<b>OSA Stage 3</b>	Rel5	No	WG CN5				█	█	█	█	█	█	█					
259	2116	<b>(copy) Charging and OAM&amp;P (!)</b>	Rel5	No	WG SA5	█	█	█												
260	<b>1638</b>	<b>CAMEL phase 4</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA1</b>	█			█	█	█	█	█	█	█					
261	1461	<b>Service requirements</b>		No	WG SA1	█	█	█												

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262	2011	<b>Charging notification to the CSE</b>		No	WG CN2															
263	2012	<b>Call Party Handling</b>		No	WG CN2															
264	2013	<b>Mid call procedure for MO and MT calls</b>		No	WG CN2															
265	2014	<b>Interactions with Optimal Routing</b>		No	WG CN2															
266	2015	<b>Inclusion of flexible tone injection</b>		No	WG CN2															
267	2016	<b>CSE control over MT SMS</b>		No	WG CN2															
268	2017	<b>CAMEL applicability to media streams like VoIP</b>		No	WG CN2															
269	2460	<b>Notification of GPRS mobility management to CSE</b>		No	WG CN2															
270	2459	<b>Enhancement of dialled services</b>		No	WG CN2															
271	2458	<b>Provision of location information of called subscribe</b>		No	WG CN2															
272	2514	<b>Inclusion of ODB data in the CSE_HLR interface</b>		No	WG CN2															
273	2515	<b>Location information during an ongoing call (Hando</b>		No	WG CN2															
274	2516	<b>GPRS Any Time Interrogation</b>		No	WG CN2															
275	1445	<b>MExE enhancements Rel-4</b>	NA	No	WG T2															
276	1447	<b>MExE Security Analysis Activity</b>	Rel5	No	WG SA3															
277	2045	Stage 3		No	WG SA3															
278	1448	Terminal aspects		No	WG T2															
279	1810	<b>MExE Rel4 Improvements and Investigations</b>	Rel4	No	WG T2															
280	1812	3rd MExE classmark		No	WG T2															
281	1814	FS on Secure download mechanism and capabilities to support S		No	WG T2															
282	1815	FS on Support of MP3/MPEG4 content		No	WG T2															
283	2464	<b>MExE enhancements Rel-5</b>	NA	No	WG T2															
284	2465	<b>MExE Rel-5 Security Analysis</b>	Rel5	No	WG T2															
285	2466	<b>MExE Rel-5 Improvements and Investigations</b>	Rel5	No	WG T2															
286	1625	<b>Wideband Telephony Service - AMR</b>	Rel5	No	WG SA4															
287	62	<b>Specification</b>		No	WG SA4															
288	1459	Design Constraints		No	WG SA4															
289	1460	General Description		No	WG SA4															
290	1626	Feasibility Study		No	WG SA4															

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291	67	Codec issues		No	WG SA4	→														
292	1627	Codec qualification		No	WG SA4															
293	74	Codec selection tests		No	WG SA4															
294	891	Codec selection		No	WG SA4															
295	890	Other codec issues (verif., characterisation)		No	WG SA4	→														
296	1989	Start Testing		No	MLST	Start Testing														
297	1855	Conformance tests (CRs to 34 series)		No	WG T1	→														
298	76	Terminal Acoustic Characteristics		No	WG SA4															
299	1628	Definition		No	WG SA4															
300	1629	Test specification		No	WG SA4															
301	889	<b>Implementation</b>		No	WG SA4	→														
302	893	In UTRAN		No	TSG RAN	→														
303	80	Support of AMR-WB in GERAN		No	TSG GERAN	→														
304	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 4E		No	TSG GERAN	→														
305	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A		No	TSG GERAN	→														
306	2267	GMSK and 8PSK WB FR / HR support - Signalling for lu		No	TSG GERAN	→														
307	2268	GMSK and 8PSK WB FR / HR support - Link adaptation in 4E		No	TSG GERAN	→														
308	2269	GERAN MS conformance test for AMR-WB		No	TSG GERAN	→														
309	2270	MS test		No	TSG GERAN	→														
310	2271	GERAN BTS conformance test for AMR-WB		No	TSG GERAN	→														
311	2272	BTS test		No	TSG GERAN	→														
312	1656	In CN, see notes		No	WG CN1	→														
313	1541	<b>Transcoder-Free Operation</b>	Rel4	No	WG CN4	→														
314	112	<b>OoBTC solution</b>		No	WG CN4	→														
315	1512	implementation in UTRAN	Rel4	No	WG RAN3	→														
316	896	Impact on architecture, Principles and Terminology		No	WG SA2															
317	1657	Codec Negotiation between UE and MSC		No	WG CN1	→														
318	115	Codec Negotiation inter MSC		No	WG CN4															
319	894	Bearer establishment inter MSC		No	WG CN4															



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320	1617	Prevention of user fraud		No	WG SA3															
321	905	<b>Speech Transcoder: Location and Control at the UM</b>		No	WG SA2															
322	124	Transcoder at Edge		No	TSG CN															
323	1631	<b>Tandem Free aspects for 3G and between 2G and 3G</b>	Rel4	No	WG SA4															
324	1632	<b>Tandem Free AMR</b>		No	WG SA4															
325	130	Specification		No	WG SA4															
326	907	Impact on:		No	TSG CN															
327	131	CN		No	TSG CN															
328	132	GERAN		No	TSG GERAN															
329	1818	<b>Multimedia Messaging</b>	Rel4	No	WG T2															
330	136	<b>Definition of service requirements</b>		No	WG SA1															
331	1819	<b>Review of definition of service requirements</b>		No	WG T2															
332	1820	<b>Technical Realisation</b>		No	WG T2															
333	1821	Review of definition of reference Architecture model		No	WG T2															
334	1822	"Fulfill Requirements of Stage 1"		No	WG T2															
335	1823	Definition of MMS primitives in Stage 2		No	WG T2															
336	1826	<b>Terminal interfaces</b>	NA	Yes	WG T2															
337	1827	<b>AT commands enhancements</b>	Rel4	No	WG T2															
338	1828	Specification of AT commands for new services		No	WG T2															
339	1858	UE Conformance test spec. AT command		No	WG T1															
340	1829	<b>Wide Area Data Synchronisation</b>	NA	Yes	WG T2															
341	1830	Continues evolution of Synchronisation protocol	Rel4	No	WG T2															
342	1831	vObjects and Other Constructs for Use in Data Synchronisation	Rel5	No	WG T2															
343	2251	Start Testing		No	MLST															
344	1860	UE Conformance test spec. Wide area data sync		No	WG T1															
345	1832	<b>Terminal local model</b>	Rel4	No	WG T2															
346	2573	<b>Terminal local model enhancements</b>	Rel5	No	WG T2															
347	1536	<b>Location Services enhancements</b>	NA	Yes	WG SA2															
348	1171	<b>Event based and Periodic LCS</b>	Rel5	No	WG SA1															

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349	1641	Stage 1		No	WG SA1															
350	1538	Stage 2 specification		No	WG SA2	■														
351	1179	Impact on MAP		No	WG CN4		■	■	■	■	■									
352	519	<b>(copy) Charging and OAM&amp;P (!)</b>	Rel5	No	WG SA5	■	■	■	■	■	■									
353	521	<b>New security aspects of LCS (not identified)</b>		No	WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
354	523	<b>LCS support in the CS domain</b>	Rel4	No	WG SA2	■														
355	525	<b>LCS support in the PS domain</b>	Rel4	No	WG SA2	■	■	◆												
356	1642	Stage 1		No	WG SA1															
357	1181	Stage 2		No	WG SA2	■														
358	1180	Stage 3		No	WG CN1	■	■	◆												
359	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and G		No	WG CN1	■	■	■												
360	2462	MAP impacts of LCS		No	WG CN4	■	■	■												
361	527	GTP signaling for LCS		No	WG CN4	■	■	■												
362	544	<b>LCS interoperation stage 2 aspects</b>		No	WG SA2	■														
363	2434	<b>LCS interoperation stage 2 aspects to GERAN</b>		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	◆
364	2435	Co-ordinated development of GSM LCS Phase 2and UMTS LCS,		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
365	2436	<b>Location Services for GERAN in A/Gb Mode</b>		No	TSG GERAN	■	■	◆												
366	2437	GERAN LCS Stage 2 (first release)		No	TSG GERAN	■	■	■												
367	2438	Gb interface support for LCS		No	TSG GERAN	■	■	■	■	■	■									
368	2439	RLC/MAC protocol support for LCS		No	TSG GERAN	■	■	■	■	■	■									
369	2440	L3 protocol support for LCS		No	TSG GERAN	■	■	■	■	■	■									
370	2441	Stage 3 specifications		No	TSG GERAN	■	■	■	■	■	■									
371	2442	<b>Location Services for GERAN in Iu Mode</b>		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	◆
372	2443	GERAN LCS Stage 2 (second release)		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
373	2444	Iu-ps interface support for LCS		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
374	2445	Iu-cs interface support for LCS		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
375	2446	Iur-g interface support for LCS		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
376	2447	RRC protocol support for LCS		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
377	2448	Additional impacts on Broadcast of LCS data on packet channels		No	TSG GERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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378	2449	Stage 3 specifications		No	TSG GERAN															
379	2450	<b>GERAN MS Conformance test for LCS</b>		No	WG GERAN4															
380	2451	MS test		No	WG GERAN4															
381	2452	<b>GERAN BTS Conformance test for LCS</b>		No	WG GERAN3															
382	2453	BTS test		No	WG GERAN3															
383	2229	<b>CBS interactions</b>	Rel4	No	WG T2															
384	1600	<b>UE positioning</b>	Rel5	No	TSG RAN															
385	1601	lub/lur interfaces for methods Rel 99	Rel4	No	WG RAN3															
386	1602	UE positioning enhancements - IPDL for TDD	Rel4	No	WG RAN2															
387	2457	UE positioning enhancements - other methods	Rel5	No	WG RAN2															
388	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	WG RAN2															
389	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRA	Rel5	No	WG RAN2															
390	1603	(Copy) UTRA repeater specification		No	WG RAN4															
391	1796	<b>(Copy) LCS application interfaces (LCS-OSA)</b>		No	WG SA1															
392	1183	<b>FS on LCS support in the IM CN subsystem</b>		No	WG SA1															
393	2125	<b>Open SMLC-SRNC Interface within the UTRAN to sup</b>	Rel5	No	WG RAN2															
394	2127	Stage 2		No	WG SA2															
395	2126	Stage 3		No																
396	1542	<b>TO BE DELETED- Ensure reliable QoS for PS dom</b>	Rel4	No	WG SA2															
397	1543	<b>stage 2 for End-to-end QoS (re)negotiation and reser</b>		No	WG SA2															
398	1658	<b>stage 3 for End-to-end QoS (re)negotiation and reser</b>		No	WG CN1															
399	1545	GMM and SM aspects		No	WG CN1															
400	1546	GTP aspects		No	WG CN4															
401	1547	<b>Mapping of end to end QoS parameters on each inte</b>		No	WG SA2															
402	1548	Impacts on N4 documents		No	WG CN4															
403	1549	End to End QoS Stage 3	Rel5	No	WG CN3															
404	1550	<b>Interactions between external mechanisms and UMT</b>		Yes	WG CN3															
405	1660	<b>Mapping between the QoS UMTS point codes and th</b>		No	WG CN3															
406	1552	<b>(copy) Charging Management</b>	Rel5	No	WG SA5															

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407	1619	<b>Application aspects, multi-mode aspects</b>		No	WG T2															
408	1554	<b>Evolution of maximum SDU size</b>		No	WG SA2															
409	1555	Impacts on CN protocols (e.g., GTP, MAP)		No	WG CN4															
410	1556	Impact on interworking over GTP e.g. PPP		No	WG CN3															
411	1611	<b>Admission control function triggers</b>	NA	No	WG RAN3															
412	1560	<b>UICC/(U)SIM enhancements and interworking</b>	NA	Yes	WG T3															
413	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4	No	WG T3															
414	2517	<b>UICC/USIM Transport Protocol</b>	Rel5	No	WG T3															
415	1800	<b>(U)SIM toolkit enhancements</b>	NA	Yes	WG T3															
416	1566	<b>Enhancements to (U)SIM toolkit secure messaging</b>	Rel5	No	WG T3															
417	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	No	WG T3															
418	2497	Stage 1		No	WG T3															
419	2496	Stage 2 and 3		No	WG T3															
420	2518	Test specification		No	WG T3															
421	2034	<b>USAT local link</b>	Rel4	No	WG T3															
422	1802	<b>UICC API</b>	NA	Yes	WG T3															
423	2031	Multos API	Rel5	No	WG T3															
424	2032	Specification		No	WG T3															
425	2033	Test specification		No	WG T3															
426	1571	<b>Security enhancements</b>	NA	No	WG SA3															
427	2099	<b>UE triggered authentication during connections</b>	Rel4	No	WG SA3															
428	2254	Stage3		No	WG CN1															
429	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 developm</b>	Rel4	No	WG SA3															
430	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployrr</b>	Rel4	No	WG SA3															
431	1589	Main aspects		No	WG SA3															
432	1618	Impact on GTP		No	WG CN4															
433	1661	GEA capability indication in MS CM		No	WG CN1															
434	1572	<b>Protection for user plane data</b>	Rel5	Yes	WG SA3															
435	1573	Integrity protection in access network		No	WG SA3															

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436	1575	Network based end-to-end security		No	WG SA3	[Blue bar]														
437	<b>1576</b>	<b>Network domain security</b>		<b>Yes</b>	<b>WG SA3</b>							[Grey bar]								
438	<b>1577</b>	Control plane protection in core network (e.g., GTP, CAP, MAP/IF	<b>Rel5</b>	<b>No</b>	<b>WG SA3</b>				[Grey bar]											
439	1578	Main aspects		No	WG SA3	[Blue bar]														
440	1579	Integration of GTP signalling security architecture		No	WG CN4	[Blue bar]														
441	<b>1580</b>	User plane protection in core network (e.g., provided by IPsec)	<b>Rel5</b>	<b>No</b>	<b>WG SA3</b>				[Grey bar]											
442	1581	Main aspects		No	WG SA3	[Blue bar]														
443	1582	Integration of GTP signalling security architecture		No	WG CN4	[Blue bar]														
444	2098	Study of network-based denial of service		No	WG SA3				[Blue bar]											
445	<b>1583</b>	<b>MAP application layer security</b>	<b>NA</b>	<b>Yes</b>	<b>WG SA3</b>	[Black bar]						[Grey bar]								
446	2575	Network Domain Security; MAP application layer security	Rel4	No	WG SA3	[Black bar]														
447	2576	Network Domain Security; IP network layer security (NDS/IP)	Rel5	No	WG SA3	[Black bar]			[Blue bar]											
448	1584	Main aspects		No	WG SA3	[Blue bar]														
449	2025	Other stage 3 aspects		No	WG CN4															
450	1586	<b>Key management for core network security</b>		No	WG SA3	[Blue bar]														
451	1594	<b>Visibility and Configurability of security</b>	Rel4	No	WG SA3	[Blue bar]														
452	1595	<b>FIGS</b>	Rel5	No	WG SA3	[Blue bar]														
453	<b>2026</b>	<b>Enhanced HE control of security (including positive a</b>	<b>Rel6</b>	<b>No</b>	<b>WG SA3</b>	[Grey bar]			[Grey bar]			[Grey bar]			[Grey bar]					
454	2027	Stage 2		No	WG SA3	[Blue bar]			[Blue bar]			[Blue bar]			[Blue bar]					
455	2028	FS on Network impacts		No	WG CN4															
456	<b>1861</b>	<b>Miscellaneous UE Conformance Testing Activities</b>	<b>NA</b>	<b>Yes</b>	<b>WG T1</b>	[Grey bar]			[Grey bar]			[Grey bar]			[Grey bar]					
457	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>		No	WG T1	[Blue bar]			[Blue bar]			[Blue bar]			[Blue bar]					
458	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>		No	WG T1	[Blue bar]			[Blue bar]			[Blue bar]			[Blue bar]					
459	1907	<b>Extensions to R99 Test cases</b>		No	WG T1				[Blue bar]			[Blue bar]			[Blue bar]					
460	2564	<b>Extension to R99 Test cases - TTCN</b>		No	WG T1				[Blue bar]			[Blue bar]			[Blue bar]					
461	2565	<b>Creation of R99 TCs for TDD - prose</b>		No	WG T1				[Blue bar]			[Blue bar]			[Blue bar]					
462	2566	<b>Creation of R99 TCs for TDD - TTCN</b>		No	WG T1				[Blue bar]			[Blue bar]			[Blue bar]					
463	1908	<b>Review all other work items for impact on new or exi</b>		No	WG T1				[Blue bar]			[Blue bar]			[Blue bar]					
464	1909	<b>Additional signalling tests to cover VHE, OSA, MExE,</b>		No	WG T1	[Blue bar]			[Blue bar]			[Blue bar]			[Blue bar]					

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465	1365	<b>Support of Push Services</b>	Rel5	No	WG SA2	[Progress bar]														
466	1142	<b>Charging and OAM&amp;P (Master)</b>	Rel4/5	No	WG SA5	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
467	2089	<b>Principles, high level Requirements and Architecture</b>	Rel4	No	WG SA5	[Progress bar]														
468	2088	<b>Performance Management (PM) (Master)</b>	Rel4	No	WG SA5	[Progress bar]														
469	2081	<b>Fault Management (FM) (Master)</b>	Rel4	No	WG SA5	[Progress bar]														
470	2082	<b>Configuration Management (CM) (Master)</b>	Rel4	No	WG SA5	[Progress bar]														
471	2242	<b>Charging Management for IMS (Master)</b>	Rel5	No	WG SA5	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
472	2083	<b>Charging Management (CH) (Master)</b>	Rel4	No	WG SA5	[Progress bar]														
473	2062	<b>Subscription Management</b>	Rel5	No	WG SA5	[Progress bar]														
474	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4	No	WG SA5	[Progress bar]														
475	1993	<b>small Technical Enhancements and Improvements</b>	Rel4	No	Generic	[Progress bar]														
476	2230	<b>Advanced Speech Call Items enhancements_REL-4</b>	Rel4	No	WG CN1	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
477	2232	<b>Stage 2</b>		No	WG CN4	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
478	2231	<b>Stages 2 and 3 on A interface</b>		No	WG CN1	[Progress bar]														
479	2243	<b>Intra Domain Connection of RAN Nodes to Multiple</b>	Rel5	No	WG SA2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
480	2244	<b>Overall System Architecture</b>		No	WG SA2	[Progress bar]														
481	2245	<b>RAN work</b>		No	WG RAN3			[Progress bar]												
482	2246	<b>GERAN work</b>		No	WG GERAN2			[Progress bar]												
483	2247	<b>CN work</b>		No	WG CN1	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
484	2248	N1 work		No	WG CN1			[Progress bar]												
485	2249	N4 work		No	WG CN4	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
486	2310	<b>GERAN improvements 1</b>	Rel4	No	TSG GERAN	[Progress bar]														
487	2311	<b>Gb over IP (Ip-fication of Gb)</b>		No	TSG GERAN	[Progress bar]														
488	2312	Concept		No	TSG GERAN	[Progress bar]														
489	2313	Changes to 08.16, 08.18		No	TSG GERAN	[Progress bar]														
490	2314	<b>GERAN improvements 2</b>	Rel4	No	TSG GERAN	[Progress bar]														
491	2315	<b>Gb enhancements</b>		No	TSG GERAN	[Progress bar]														
492	2316	NACC (network Assisted Cell Change)		No	TSG GERAN	[Progress bar]														
493	2420	Concept		No	TSG GERAN	[Progress bar]														

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494	2317	Changes in 03.64		No	TSG GERAN	■														
495	2318	Changes in 04.60		No	TSG GERAN	■														
496	2319	Changes in 44.008		No	TSG GERAN	■														
497	<b>2320</b>	<b>GERAN improvements 3</b>	<b>Rel5</b>	<b>No</b>	<b>TSG GERAN</b>	■			■											
498	<b>2321</b>	<b>Evolution of the transport for A</b>		<b>No</b>	<b>TSG GERAN</b>	■			■											
499	2322	Definition of a new A interface Transport Layer option based on		No	TSG GERAN	■														
500	2323	Adaptation of the Layer 3 BSSMAP procedures as required		No	TSG GERAN	■														
501	<b>2324</b>	<b>GERAN improvements 4</b>	<b>Rel4</b>	<b>No</b>	<b>TSG GERAN</b>	■	■													
502	<b>2325</b>	<b>Gb enhancements 2</b>		<b>No</b>	<b>TSG GERAN</b>	■	■													
503	2429	stage 2		No	TSG GERAN	■														
504	<b>2421</b>	Stage 3 (changes in 44.060)		<b>No</b>	<b>WG GERAN2</b>	■	■													
505	2327	Definition of enhanced countdown procedure		No	WG GERAN2	■														
506	2328	Definition of enhanced TBF release procedure		No	WG GERAN2	■														
507	2329	Definition of USF=FREE type polling mechanism on PDCH		No	WG GERAN2	■														
508	<b>2330</b>	<b>GERAN support for IP multimedia</b>	<b>Rel5</b>	<b>No</b>	<b>TSG GERAN</b>	■			■			■			■					
509	<b>2331</b>	<b>GERAN Header adaptation</b>		<b>No</b>	<b>TSG GERAN</b>	■			■											
510	2332	Definition of compression and removal modes for PDCP protocol		No	TSG GERAN	■														
511	2333	Conceptual description in stage 2		No	TSG GERAN	■			■											
512	2334	Necessary changes on stage 3 regarding header removal		No	TSG GERAN	■			■											
513	<b>2335</b>	<b>GERAN Radio access bearer design for IP multimedia</b>		<b>No</b>	<b>TSG GERAN</b>	■			■			■			■					
514	<b>2422</b>	MuM control signalling for conversational multimedia services		<b>No</b>	<b>TSG GERAN</b>	■			■											
515	2431	Identification of requirements		No	TSG GERAN	■			■											
516	2337	Necessary modifications due to SIP		No	TSG GERAN	■														
517	<b>2338</b>	<b>Physical layer multiplexing</b>		<b>No</b>	<b>TSG GERAN</b>	■			■											
518	2339	Stage 2		No	TSG GERAN	■			■											
519	2432	Stage 3		No	TSG GERAN	■			■											
520	<b>2341</b>	<b>GERAN MS Conformance test for support of IP multimedia</b>		<b>No</b>	<b>TSG GERAN</b>	■			■			■			■					
521	2342	MS test		No	WG GERAN4	■			■			■			■					
522	<b>2343</b>	<b>GERAN BTS Conformance test for support of IP multimedia</b>		<b>No</b>	<b>TSG GERAN</b>	■			■			■			■					

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523	2344	BTS test		No	WG GERAN3															
524	<b>2345</b>	<b>Alignment of 3G functional split and lu</b>	<b>Rel5</b>	<b>No</b>	<b>TSG GERAN</b>															
525	<b>2346</b>	<b>GERAN user / control plane</b>		<b>No</b>	<b>TSG GERAN</b>															
526	<b>2347</b>	Alignment with UMTS bearer concept		<b>No</b>	<b>TSG GERAN</b>															
527	2423	Stage 2		No	TSG GERAN															
528	2348	Adoption of the UTRAN PDCP		No	TSG GERAN															
529	2349	Development of RLC / MAC		No	TSG GERAN															
530	2350	Development of GERAN RR		No	TSG GERAN															
531	2351	Ciphering and integrity protection		No	TSG GERAN															
532	2352	Logical and physical channel realization TCH, PDTCH, contr		No	TSG GERAN															
533	2353	Use of stealing bits		No	TSG GERAN															
534	2354	Fast access		No	TSG GERAN															
535	2355	Fast power control		No	TSG GERAN															
536	<b>2424</b>	Physical layer alignment with UMTS bearer concept		<b>No</b>	<b>TSG GERAN</b>															
537	2356	PDTCH/TCH in 45.003		No	TSG GERAN															
538	2357	Control channels in 45.003		No	TSG GERAN															
539	2358	Receiver performance in 45.005 for PDTCH/TCH and contro		No	TSG GERAN															
540	<b>2359</b>	<b>lu rg interface</b>		<b>No</b>	<b>TSG GERAN</b>															
541	<b>2425</b>	Inter BSS interface		<b>No</b>	<b>TSG GERAN</b>															
542	2360	Identification of requirements		No	TSG GERAN															
543	2361	Stage 2		No	TSG GERAN															
544	2362	Adoption of relevant parts from lur		No	TSG GERAN															
545	2363	Complementation with GERAN specifics		No	TSG GERAN															
546	2364	New stage 3		No	TSG GERAN															
547	<b>2426</b>	Inter BSS-RNS interface		<b>No</b>	<b>TSG GERAN</b>															
548	2365	Identification of requirements		No	TSG GERAN															
549	2366	Stage 2		No	TSG GERAN															
550	2367	Adoption of relevant parts from lur		No	TSG GERAN															
551	2368	Complementation with GERAN specifics		No	TSG GERAN															



ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
552	2369	New stage 3		No	TSG GERAN	[Progress bar]														
553	<b>2370</b>	<b>Voice over GERAN PS and CS concept</b>		No	TSG GERAN	[Progress bar]														
554	2371	Architecture for A, lu cs and lu ps		No	TSG GERAN	[Progress bar]														
555	2372	Transcoder position/operation		No	TSG GERAN	[Progress bar]														
556	2373	Handover		No	TSG GERAN	[Progress bar]														
557	2374	RTP payload		No	TSG GERAN	[Progress bar]														
558	2375	FPC		No	TSG GERAN	[Progress bar]														
559	2376	LA		No	TSG GERAN	[Progress bar]														
560	<b>2377</b>	<b>GERAN Narrowband speech realization</b>		No	TSG GERAN	[Progress bar]														
561	<b>2427</b>	<b>8-PSK NB HR</b>		No	TSG GERAN	[Progress bar]														
562	2378	Channel coding in 45.003		No	TSG GERAN	[Progress bar]														
563	2379	Signalling for A interface		No	TSG GERAN	[Progress bar]														
564	2380	Signalling for lu		No	TSG GERAN	[Progress bar]														
565	2381	Link adaptation in 45.009		No	TSG GERAN	[Progress bar]														
566	2382	Receiver performance in 45.005		No	TSG GERAN	[Progress bar]														
567	<b>2428</b>	<b>8-PSK NB QR</b>		No	TSG GERAN	[Progress bar]														
568	2383	Channel coding in 45.003		No	TSG GERAN	[Progress bar]														
569	2384	Signalling for A interface		No	TSG GERAN	[Progress bar]														
570	2385	Signalling for lu		No	TSG GERAN	[Progress bar]														
571	2386	Link adaptation in 45.009		No	TSG GERAN	[Progress bar]														
572	2387	Receiver performance in 45.005		No	TSG GERAN	[Progress bar]														
573	<b>2388</b>	<b>GERAN MS Conformance test for GERAN interface ev</b>		No	TSG GERAN															
574	2389	MS test		No	TSG GERAN															
575	<b>2390</b>	<b>GERAN MS Conformance test for GERAN interface ev</b>		No	TSG GERAN															
576	2391	BSS test		No	TSG GERAN															
577	<b>2392</b>	<b>GERAN enhancements for streaming services 1</b>	Rel5	No	TSG GERAN	[Progress bar]														
578	<b>2393</b>	<b>GERAN enhancements for streaming services 1</b>		No	TSG GERAN	[Progress bar]														
579	2394	Concept		No	TSG GERAN	[Progress bar]														
580	2395	RLC protocol enhancement		No	TSG GERAN	[Progress bar]														

ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002					
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar			
581	2396	<b>GERAN enhancements for streaming services 2</b>	Rel5	No	TSG GERAN																		
582	2397	<b>GERAN enhancements for streaming services 2</b>		No	TSG GERAN																		
583	2398	Usage of ECSD		No	TSG GERAN																		
584	2399	Stage 2		No	TSG GERAN																		
585	2400	Stage 3		No	TSG GERAN																		
586	2401	RLC PDU formats		No	TSG GERAN																		
587	2402	MAC header		No	TSG GERAN																		
588	2403	<b>700 MHz spectrum support</b>	Rel4	No	TSG GERAN																		
589	2404	<b>GERAN support for the 700 MHz band</b>		No	TSG GERAN																		
590	2405	Signalling support		No	TSG GERAN																		
591	2406	Physical layer definitions		No	TSG GERAN																		
592	2407	Receiver performance and RF budget		No	TSG GERAN																		
593	2408	<b>GERAN MS Conformance test for 700 MHz band</b>		No	TSG GERAN																		
594	2409	MS test		No	TSG GERAN																		
595	2410	<b>GERAN BTS Conformance test for 700 MHz band</b>		No	TSG GERAN																		
596	2411	BTS test		No	TSG GERAN																		
597	2412	<b>GERAN/UTRAN interface evolution 1</b>	Rel5	No	TSG GERAN																		
598	2413	<b>Evolution of lu ps</b>		No	TSG GERAN																		
599	2414	Identification of GERAN requirements on lu ps		No	TSG GERAN																		
600	2415	Update of specifications		No	TSG GERAN																		
601	2416	<b>GERAN/UTRAN interface evolution 2</b>	Rel5	No	TSG GERAN																		
602	2417	<b>Evolution of lu cs</b>		No	TSG GERAN																		
603	2418	Identification of GERAN requirements on lu cs		No	TSG GERAN																		
604	2419	Update of specifications		No	TSG GERAN																		
605	2463	<b>Operator Determined Barring for Packet Oriented</b>	Rel4	No	TSG CN																		
606	2499	<b>Support of Presence Capability</b>	Rel5	No	WG SA1																		
607	2501	<b>Stage 1</b>		No	WG SA1																		
608	2502	<b>Stage 2</b>		No	WG SA2																		
609	2503	<b>Stage 3</b>		No	TSG CN																		

ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
610	2504	Security issues		No	WG SA3															
611	2505	USIM issues		No	WG T3															
612	2506	UE issues		No	WG T2															
613	<b>2507</b>	<b>Display of Service Provider name on UE</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA1</b>	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
614	2508	<b>Stage 1</b>		No	WG SA1	█	█	█	█	█	█									
615	2509	<b>Stage 2</b>		No	WG SA2				█	█	█	█	█	█						
616	<b>2510</b>	<b>Stage 3</b>		<b>No</b>	<b>TSG CN</b>							█	█	█	█	█	█			
617	2511	Security issues		No	WG SA3															
618	2512	USIM issues		No	WG T3															
619	2513	UE issues		No	WG T2															
620	2520	<b>User Equipment Management</b>	<b>Rel5</b>	No	WG SA5							█	█	█	█	█	█	█	█	█
621	<b>2527</b>	<b>Emergency calls without UICC/SIM in netw. with IM</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA2</b>				█	█	█	█	█	█	█	█	█	█	█	█
622	2528	<b>Stage 3 work for CN1</b>		No	WG CN1							█	█	█	█	█	█	█	█	█
623	<b>2542</b>	<b>Streaming Service</b>		<b>No</b>	<b>WG SA1</b>				█	█	█	█	█	█	█	█	█	█	█	█
624	2543	<b>Stage 1</b>		No	WG SA1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
625	<b>2544</b>	<b>Broadcast/Multicast MM</b>		<b>No</b>	<b>WG SA1</b>				█	█	█	█	█	█	█	█	█	█	█	█
626	2545	<b>Stage 1</b>		No	WG SA1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
627	<b>2546</b>	<b>UMTS QoS Architecture for PS Domain</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA2</b>	█	█	█	█	█	█									
628	2547	<b>Requirements</b>		No	WG SA1															
629	2548	<b>Architecture</b>		No	WG SA2															
630	1624	<b>Security aspects</b>		No	WG SA3															
631	2550	<b>Charging and QoS Management</b>		No	WG SA5	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
632	2551	<b>IE for QoS PS Domain</b>		No	WG CN1	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
633	2552	<b>Interwork with External Networks</b>		No	WG CN3	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
634	<b>1681</b>	<b>RAB Quality of Service (re)Negotiation over lu</b>		<b>No</b>	<b>WG RAN3</b>	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
635	1991	RAB Quality of Service Negotiation over lu		No	WG RAN3	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
636	2456	RAB Quality of Service Negotiation over lu during relocation		No	WG RAN3															
637	1992	RAB Quality of Service Re-Negotiation over lu		No	WG RAN3	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
638	<b>1553</b>	<b>GERAN QoS Aspects - Handovers: maintenance of r</b>		<b>No</b>	<b>TSG GERAN</b>	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█


ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
639	<b>2306</b>	Handover for the PS domain		No	TSG GERAN	—————◆														
640	2309	Stable RT handover report 25.936 including header removal		No	TSG GERAN															
641	2307	Update of stage 2		No	TSG GERAN	—														
642	2308	Update of relevant stage 3 specs		No	TSG GERAN	—————														
643	1685	<b>PS-domain handover for real-time services</b>		No	WG RAN3	—————														
644	2554	<b>RAB QoS Renegotiation at Relocation</b>		No	WG RAN4	—————														
645	<b>2556</b>	<b>End to End QoS for PS Domain (including IMS)</b>	Rel5	No	WG SA2	—————◆														
646	2557	<b>E2E QoS Concept and Architecture</b>		No	WG SA2	—————														
647	2558	<b>E2E QoS interworking</b>		No	WG CN3		—————													
648	2559	<b>QoS Management (Provisioning and Monitoring)</b>		No	WG SA5		—————													
649	<b>2569</b>	<b>Messaging enhancements Rel-5</b>	Rel5	No	WG T2	—————◆														
650	2570	<b>Definition of service requirements</b>		No	WG SA1															
651	2571	<b>Multimedia Messaging (MMS) enhancements</b>	Rel5	No	WG T2					—	—————									
652	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>	Rel5	No	WG T2					—	—————									

Project: 3GPP\_Work Plan  
Date: Tue 12/06/01

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 

ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	Yes	TSG RAN															
7	625	<b>IP transport in the UTRAN</b>	Rel5	No	WG RAN3															
10	2257	<b>Evolution of transport in UTRAN and GERAN</b>	Rel5	No	WG RAN3															
24	2476	<b>High Speed Downlink Packet Access</b>	Rel5	No	WG RAN2															
27	2479	<b>Iub/Iur protocol aspects</b>	Rel5	No	WG RAN3															
29	2481	<b>Enhancement of Broadcast and Introduction of Multicast</b>	Rel5	No	WG RAN2															
30	1216	<b>Improvements of Radio Interface</b>	NA	Yes	TSG RAN															
31	1470	<b>Improvement of inter-frequency and inter-system mobility</b>	Rel5	No	WG RAN1															
32	1471	<b>Base station classification</b>	Rel5	No	WG RAN4															
35	1217	<b>Hybrid ARQ II/III</b>	Rel5	No	WG RAN2															
36	1218	<b>Improved usage of downlink resource in FDD for CC1</b>	Rel5	No	WG RAN2															
37	1507	<b>Terminal Power Saving features</b>	Rel5	No	WG RAN1															
41	2467	<b>UMTS 1900</b>	Rel5	No	WG RAN4															
42	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel5	No	WG RAN1															
43	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5	No	WG RAN1															
44	2470	<b>Gated DPCCH Transmission</b>	Rel5	No	WG RAN1															
45	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5	No	WG RAN1															
46	1506	<b>FS on Radio link performance enhancements</b>	Rel5	No	WG RAN1															
48	1221	<b>FS on USTS</b>	Rel5	No	WG RAN1															
51	2494	<b>FS on the re-introduction of the downlink SIR measurement</b>	Rel5	No	WG RAN4															
52	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>	Rel5	No	WG RAN4															
76	9	<b>RAN improvements</b>	NA	Yes	TSG RAN															
78	2488	<b>RL Timing Adjustment</b>	Rel5	No	WG RAN3															
79	2489	<b>Separation of resource reservation and radio link access</b>	Rel5	No	WG RAN3															
80	2490	<b>Improvement of Radio Resource Management across RAN</b>	Rel5	No	WG RAN3															
81	2491	<b>Traffic Termination Point Swapping</b>	Rel5	No	WG RAN3															
83	624	<b>RAB support enhancement - except Robust Header Compression</b>	Rel5	No	WG RAN2															
85	1680	<b>Header compression removal/stripping in the RAN</b>	Rel5	No	TSG RAN															
86	1686	<b>Unequal error protection in PS domain in the RAN</b>	Rel5	No	TSG RAN															

ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002			
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87	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	No	WG RAN1																
94	1273	Provisioning of IP-based multimedia services	Rel5	No	WG SA1																
139	1303	(copy) Charging and OAM&P	Rel5	No	WG SA5																
155	1652	Emergency call enhancements	NA	Yes	WG CN1																
156	1653	For IP & PS based calls	Rel5	No	WG CN1																
194	1517	Global Text Telephony	NA	Yes	WG SA2																
195	2240	Minimum solution	Rel5	No	WG SA2																
201	2239	Improvements of GTT	Rel5	No	WG SA2																
211	1367	VHE enhancements	NA	Yes	WG SA1																
213	1368	Detailed definition of the VHE user profile	Rel5	No	WG SA2																
216	2104	Extensions to existing (and possibly new) toolkits	Rel5	No	WG SA2																
219	2108	Interaction between toolkits to enable IP multimedia	Rel5	No	WG SA2																
222	2112	Transparent roaming for services	Rel5	No	WG SA2																
225	2532	Charging	Rel5	Yes	WG SA2																
228	2535	Other VHE Enhancements	Rel5	Yes	WG SA2																
231	1637	OSA enhancements	NA	Yes	WG SA1																
236	1429	OSA APIs for MuMa CC	Rel5	No	WG SA2																
239	1419	OSA security	Rel5	No	WG SA3																
246	1433	Retrieval of Terminal capabilities	Rel5	No	WG SA2																
254	2538	Interaction with Rel-5 features	Rel5	No	WG SA1																
258	2519	OSA Stage 3	Rel5	No	WG CN5																
259	2116	(copy) Charging and OAM&P (!)	Rel5	No	WG SA5																
260	1638	CAMEL phase 4	Rel5	No	WG SA1																
275	1445	MExE enhancements Rel-4	NA	No	WG T2																
276	1447	MExE Security Analysis Activity	Rel5	No	WG SA3																
283	2464	MExE enhancements Rel-5	NA	No	WG T2																
284	2465	MExE Rel-5 Security Analysis	Rel5	No	WG T2																
285	2466	MExE Rel-5 Improvements and Investigations	Rel5	No	WG T2																
286	1625	Wideband Telephony Service - AMR	Rel5	No	WG SA4																

ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
336	1826	<b>Terminal interfaces</b>	NA	Yes	WG T2	Start Testing														
340	1829	<b>Wide Area Data Synchronisation</b>	NA	Yes	WG T2	Start Testing														
342	1831	vObjects and Other Constructs for Use in Data Synchronisation	Rel5	No	WG T2															
346	2573	<b>Terminal local model enhancements</b>	Rel5	No	WG T2															
347	1536	<b>Location Services enhancements</b>	NA	Yes	WG SA2															
348	1171	<b>Event based and Periodic LCS</b>	Rel5	No	WG SA1															
352	519	<b>(copy) Charging and OAM&amp;P (!)</b>	Rel5	No	WG SA5															
384	1600	<b>UE positioning</b>	Rel5	No	TSG RAN															
387	2457	UE positioning enhancements - other methods	Rel5	No	WG RAN2															
388	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	WG RAN2															
389	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRA	Rel5	No	WG RAN2															
393	2125	<b>Open SMLC-SRNC Interface within the UTRAN to sup</b>	Rel5	No	WG RAN2															
396	1542	<b>TO BE DELETED- Ensure reliable QoS for PS dom</b>	Rel4	No	WG SA2															
401	1547	<b>Mapping of end to end QoS parameters on each inte</b>		No	WG SA2															
403	1549	End to End QoS Stage 3	Rel5	No	WG CN3															
406	1552	<b>(copy) Charging Management</b>	Rel5	No	WG SA5															
412	1560	<b>UICC/(U)SIM enhancements and interworking</b>	NA	Yes	WG T3															
414	2517	<b>UICC/USIM Transport Protocol</b>	Rel5	No	WG T3															
415	1800	<b>(U)SIM toolkit enhancements</b>	NA	Yes	WG T3															
416	1566	<b>Enhancements to (U)SIM toolkit secure messaging</b>	Rel5	No	WG T3															
417	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	No	WG T3															
422	1802	<b>UICC API</b>	NA	Yes	WG T3															
423	2031	Multos API	Rel5	No	WG T3															
426	1571	<b>Security enhancements</b>	NA	No	WG SA3															
434	1572	<b>Protection for user plane data</b>	Rel5	Yes	WG SA3															
437	1576	<b>Network domain security</b>		Yes	WG SA3															
438	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IF	Rel5	No	WG SA3															
441	1580	User plane protection in core network (e.g., provided by IPsec)	Rel5	No	WG SA3															
445	1583	<b>MAP application layer security</b>	NA	Yes	WG SA3															




ID	Unique ID	Name	Release	Splittable	Resource Name	Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002		
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
447	2576	Network Domain Security; IP network layer security (NDS/IP)	Rel5	No	WG SA3	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
452	1595	<b>FIGS</b>	Rel5	No	WG SA3	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
465	1365	<b>Support of Push Services</b>	Rel5	No	WG SA2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
466	1142	<b>Charging and OAM&amp;P (Master)</b>	Rel4/5	No	WG SA5	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
471	2242	<b>Charging Management for IMS (Master)</b>	Rel5	No	WG SA5	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
473	2062	<b>Subscription Management</b>	Rel5	No	WG SA5	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
479	2243	<b>Intra Domain Connection of RAN Nodes to Multiple</b>	Rel5	No	WG SA2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
497	2320	<b>GERAN improvements 3</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
508	2330	<b>GERAN support for IP multimedia</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
524	2345	<b>Alignment of 3G functional split and lu</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
577	2392	<b>GERAN enhancements for streaming services 1</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
581	2396	<b>GERAN enhancements for streaming services 2</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
597	2412	<b>GERAN/UTRAN interface evolution 1</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
601	2416	<b>GERAN/UTRAN interface evolution 2</b>	Rel5	No	TSG GERAN	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
606	2499	<b>Support of Presence Capability</b>	Rel5	No	WG SA1	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
613	2507	<b>Display of Service Provider name on UE</b>	Rel5	No	WG SA1	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
620	2520	<b>User Equipment Management</b>	Rel5	No	WG SA5	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
621	2527	<b>Emergency calls without UICC/SIM in netw. with IM</b>	Rel5	No	WG SA2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
645	2556	<b>End to End QoS for PS Domain (including IMS)</b>	Rel5	No	WG SA2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
649	2569	<b>Messaging enhancements Rel-5</b>	Rel5	No	WG T2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
651	2571	<b>Multimedia Messaging (MMS) enhancements</b>	Rel5	No	WG T2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					
652	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>	Rel5	No	WG T2	[Progress bar]			[Progress bar]			[Progress bar]			[Progress bar]					

Project: 3GPP\_Work Plan  
Date: Tue 12/06/01

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 

ID	Unique ID	Task Name	Acronym	Level	Rel	Splittable	Resource	Approval	Start	Finish	% Complete
1	2044	VERSION 2001 June 12th		1		No			3-Jan-00	3-Jan-00	0%
4	2058			1		No			3-Jan-00	3-Jan-00	0%
5	96			1		No			3-Jan-00	3-Jan-00	0%
6	2	Evolutions of the transport in the UTRAN	ETRAN	1	NA	Yes	TSG RAN	TSG	17-Jul-00	14-Dec-01	33%
7	625	IP transport in the UTRAN	ETRAN-IPtrans	2	Rel5	No	WG RAN3	TSG	17-Jul-00	14-Dec-01	49%
8	12	QoS optimisation for AAL2 connections over Iub and Iur interfaces	ETRAN-QoSAAL2	2	Rel4	No	WG RAN3	TSG	21-Aug-00	30-Mar-01	100%
9	1995	Transport bearer modification procedure on Iub, Iur, and Iu	ETRAN-MigrMod	2	Rel4	No	WG RAN3	TSG	2-Oct-00	30-Mar-01	100%
10	2257	Evolution of transport in UTRAN and GERAN	ETRANG	2	Rel5	No	WG RAN3	TSG	5-Mar-01	11-Dec-01	0%
11	2258	Addition of transport mechanisms other than ATM for Iu - Identification of alternative transports	ETRANG	3		No	WG RAN3	TSG	5-Mar-01	11-Dec-01	0%
12	2259	Addition of transport mechanisms other than ATM for Iu - Specification of those alternatives transports	ETRANG	3		No	WG RAN3	TSG	5-Mar-01	11-Dec-01	0%
13	1834	Conformance Test Aspects		2		No	WG T1		1-Jan-01	29-Jun-01	0%
14	2208	Testing RAB support enhancements	CT-RABS?	3		No	WG T1		1-Jan-01	29-Jun-01	0%
15	4	Evolutions of the transport in the CN	CNTRSP	1	NA	Yes	WG CN4		29-May-00	11-Sep-01	85%
16	859	IP Transport of CN protocols (e.g., CAP, MAP)	SS7IP	2	Rel4	No	WG CN4		7-Dec-00	11-Sep-01	86%
17	1679	Stage 3	SS7IP	3		No	WG CN4		7-Dec-00	11-Sep-01	84%
18	2018	CAP	SS7IP	4		Yes	WG CN2	WG	7-Dec-00	23-Mar-01	100%
19	2019	MAP	SS7IP	4		No	WG CN4		7-Dec-00	23-Mar-01	100%
20	2253	BSSAP+	SS7IP-BSSAP+	4		No	WG CN1	WG	15-Jan-01	14-Mar-01	100%
21	2455	FS on Usage of SUA	SS7IP	4	Rel-5	No	WG CN4		12-Mar-01	11-Sep-01	50%
22	1513	FS on Transport and control separation in the PS CN domain		2		No	WG SA2	TSG	29-May-00	23-Mar-01	100%
23	1615	Architectural impacts		3		No	WG SA2	WG	29-May-00	23-Mar-01	100%
24	2476	High Speed Downlink Packet Access	HSDPA	1	Rel5	No	WG RAN2	TSG	2-Apr-01	28-Dec-01	14%
25	2477	Physical Layer	HSDPA-	2		No	WG RAN1	TSG	5-Apr-01	28-Dec-01	20%

			Phys								
26	2478	<b>Layer 2 and 3 aspects</b>	HSDPA-L23	2		No	WG RAN2	TSG	5-Apr-01	28-Dec-01	35%
27	2479	<b>Iub/Iur protocol aspects</b>		2	Rel5	No	WG RAN3	TSG	2-Apr-01	28-Dec-01	3%
28	2480	<b>RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing</b>		2		No	WG RAN4	TSG	9-Apr-01	28-Dec-01	0%
29	2481	<a href="#">Enhancement of Broadcast and Introduction of Multicast Capabilities in RAN</a>		1	Rel5	No	WG RAN2	TSG	9-Jul-01	28-Jun-02	0%
30	1216	<a href="#">Improvements of Radio Interface</a>	RInImp	1	NA	Yes	TSG RAN	TSG	19-Jun-00	28-Mar-03	31%
31	1470	<b>Improvement of inter-frequency and inter-system measurement</b>	RInImp-IfIsM	2	Rel5	No	WG RAN1	TSG	1-Jan-01	28-Dec-01	10%
32	1471	<b>Base station classification</b>	RInImp-BSClass	2	Rel5	No	WG RAN4	TSG	14-Aug-00	28-Sep-01	61%
33	1476	FDD Base station classification	RInImp-BSClass-FDD	3		No	WG RAN4	TSG	14-Aug-00	28-Sep-01	54%
34	1477	TDD Base station classification	RInImp-BSClass-TDD	3		No	WG RAN4	TSG	14-Aug-00	29-Jun-01	70%
35	1217	<b>Hybrid ARQ II/III</b>	RInImp-HARQ	2	Rel5	No	WG RAN2	TSG	21-Aug-00	28-Sep-01	7%
36	1218	<b>Improved usage of downlink resource in FDD for CCTrCHs of dedicated type</b>	RInImp-CCTrCH	2	Rel5	No	WG RAN2	TSG	9-Oct-00	28-Sep-01	0%
37	1507	<b>Terminal Power Saving features</b>	RInImp-TPS	2	Rel5	No	WG RAN1	TSG	19-Jun-00	11-Dec-01	80%
38	1509	<b>UTRA repeater specification (master)</b>	RInImp-REP	2	Rel4	No	WG RAN4	TSG	10-Jul-00	21-Mar-01	100%
39	1994	<b>DSCH power control improvement in soft handover</b>	RInImp-DSCHsho	2	Rel4	No	WG RAN1	TSG	11-Sep-00	23-Mar-01	100%
40	1996	<b>UMTS 1800</b>	RInImp-UMTS18	2	Rel4	No	WG RAN4	TSG	25-Sep-00	29-Jun-01	65%
41	2467	<b>UMTS 1900</b>	RInImp-UMTS19	2	Rel5	No	WG RAN4	TSG	19-Mar-01	21-Sep-01	0%
42	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	RInImp-MIMO	2	Rel5	No	WG RAN1	TSG	16-Mar-01	5-Mar-02	0%
43	2469	<b>Enhancement on the DSCH hard split mode</b>	RInImp-DSCHhsp	2	Rel5	No	WG RAN1	TSG	16-Mar-01	11-Dec-01	10%
44	2470	<b>Gated DPCCH Transmission</b>	RInImp-	2	Rel5	No	WG RAN1	TSG	16-Mar-01	18-Sep-01	50%

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45	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	RInImp- FCS	2	Rel5	No	WG RAN1	TSG	16-Mar-01	11-Dec-01		0%
46	1506	<b>FS on Radio link performance enhancements</b>	RInImp- Rlperf	2	Rel5	No	WG RAN1	TSG	14-Aug-00	21-Dec-01		7%
47	1219	<b>FS on High Speed downlink packet access</b>	RInImp- HSDPA	2		No	WG RAN2	TSG	21-Aug-00	23-Mar-01		100%
48	1221	<b>FS on USTS</b>	RInImp- USTS	2	Rel5	No	WG RAN1	TSG	14-Aug-00	21-Dec-01		60%
49	1510	<b>FS on improved common DL channel for Cell-FACH state</b>	RInImp- DLCFACH	2		No	WG RAN2	TSG	11-Sep-00	29-Jun-01		100%
50	1997	<b>FS on UE antenna efficiency test method performance requirements</b>	RInImp- UEAnTM	2		No	WG RAN4	TSG	25-Sep-00	29-Jun-01		65%
51	2494	<b>FS on the re-introduction of the downlink SIR measurement</b>		2	Rel5	No	WG RAN4	TSG	19-Mar-01	21-Sep-01		0%
52	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>		2	Rel5	No	WG RAN4	TSG	12-Mar-01	21-Sep-01		0%
53	1839	<b>Conformance Test Spec. improvements in Radio Interface</b>		2		No	WG T1		19-Mar-01	28-Mar-03		0%
54	2210	Testing improvement of inter-frequency and inter-system measurement		3		No	WG T1		19-Mar-01	28-Sep-01		0%
55	2211	Testing Hybrid ARQ II/III		3		No	WG T1		19-Mar-01	28-Sep-01		0%
56	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedicated type		3		No	WG T1		19-Mar-01	28-Sep-01		0%
57	2213	Testing Terminal Power saving features		3		No	WG T1		19-Mar-01	28-Sep-01		0%
58	2214	Testing DSCH power control improvement in soft handover		3		No	WG T1		19-Mar-01	28-Sep-01		0%
59	2215	Testing UMTS 1800/1900	RInImp- UMTS18-19	3		No	WG T1	WG	31-May-01	29-Mar-02		0%
60	2561	Testing UMTS 1800/1900 - TTCN	RInImp- UMTS18-19	3		No	WG T1	WG	31-May-01	28-Mar-03		0%
61	1222	<b>Low Chip Rate TDD option</b>	LCRTDD	1	Rel4	No	WG RAN1	TSG	19-Jul-00	27-Jun-03		48%
62	1223	<b>Physical layer</b>	LCRTDD- Phys	2		No	WG RAN1	TSG	19-Jul-00	30-Mar-01		100%
63	1224	<b>Layer 2 and layer 3 protocol aspects</b>	LCRTDD- L23	2		No	WG RAN2	TSG	19-Jul-00	30-Mar-01		100%
64	1225	<b>RF radio transmission/reception, system performance requirements and conformance testing</b>	LCRTDD- RF	2		No	WG RAN4	TSG	14-Aug-00	30-Mar-01		100%
65	1227	<b>UE radio access capability</b>	LCRTDD- UErac	2		No	WG RAN2	TSG	14-Aug-00	30-Mar-01		100%

66	1228	<b>lub/lur protocol aspects</b>	LCRTDD-lublur	2	Rel4	No	WG RAN3	TSG	14-Aug-00	30-Mar-01	100%
67	2262	<b>Low chiprate TDD interworking with GERAN</b>		2		No			1-Sep-00	19-Jan-01	100%
68	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD		3		No			1-Sep-00	19-Jan-01	100%
69	1911	<b>Start Testing</b>		2		No	MLST		19-Mar-01	19-Mar-01	0%
70	2103	<b>Conformance Test Aspects - Low Chip Rate TDD</b>		2		No	WG T1		19-Mar-01	27-Jun-03	0%
71	2216	Testing Physical Layer		3		No	WG T1		19-Mar-01	28-Sep-01	0%
72	2217	Testing Layer 2 and layer 3 protocol aspects	LCRTDD-L23	3		No	WG T1	WG	17-Sep-01	29-Mar-02	0%
73	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN	LCRTDD-L23	3		No	WG T1	WG	27-Jun-03	27-Jun-03	0%
74	2218	Testing RF Radio Transmission and Reception	LCRTDD-RF	3		No	WG T1	WG	18-Jun-01	28-Dec-01	0%
75	2219	Testing UE radio access capability		3		No	WG T1		19-Mar-01	28-Sep-01	0%
76	9	<b>RAN improvements</b>	RANimp	1	NA	Yes	TSG RAN	TSG	14-Aug-00	28-Jun-02	16%
77	656	<b>RRM optimization for lur and lub</b>	RANimp-RRMopt	2	Rel4	No	WG RAN3	TSG	16-Mar-01	12-Dec-01	52%
78	2488	<b>RL Timing Adjustment</b>	RANimp-RRMopt-RLTA	2	Rel5	No	WG RAN3	TSG	16-Mar-01	12-Dec-01	8%
79	2489	<b>Separation of resource reservation and radio link activation</b>	RANimp-RRMopt-SepRR	2	Rel5	No	WG RAN3	TSG	16-Mar-01	12-Dec-01	8%
80	2490	<b>Improvement of Radio Resource Management across RNS and RNS/PSS</b>	RANimp-ImpRRM	2	Rel5	No	WG RAN3	TSG	16-Mar-01	12-Dec-01	8%
81	2491	<b>Traffic Termination Point Swapping</b>	RANimp-TTPS	2	Rel5	No	WG RAN3	TSG	16-Mar-01	12-Dec-01	8%
82	655	<b>Node B synchronisation for TDD</b>	RANimp-NBsync	2	Rel4	No	WG RAN1	TSG	14-Aug-00	23-Mar-01	100%
83	624	<b>RAB support enhancement - except Robust Header Compression (ROHC)</b>	RANimp-RABSE	2	Rel5	No	WG RAN2	TSG	21-Aug-00	23-Mar-01	5%
84	2206	<b>RAB support enhancement - Robust Header Compression (ROHC)</b>	RANimp-RABSE	2	Rel4	No	WG RAN2	TSG	21-Aug-00	23-Mar-01	100%
85	1680	<b>Header compression removal/stripping in the RAN</b>		2	Rel5	No	TSG RAN		21-Aug-00	20-Jun-01	0%
86	1686	<b>Unequal error protection in PS domain in the RAN</b>		2	Rel5	No	TSG RAN		21-Aug-00	20-Jun-01	0%

87	2472	<b>Node B Synchronisation for 1.28 Mcps TDD</b>	RANimp-NBSLCR	2	Rel5	No	WG RAN1	TSG	16-Mar-01	11-Dec-01	10%
88	1912	<b>Start Testing</b>		2		No	MLST		19-Mar-01	19-Mar-01	0%
89	2102	<b>Conformance Test Aspects - RAN Improvements</b>		2		No	WG T1		19-Mar-01	28-Jun-02	0%
90	2220	Testing Smart antenna		3		No	WG T1		19-Mar-01	28-Sep-01	0%
91	2221	Testing Node B synchronisation for TDD		3		No	WG T1		19-Mar-01	28-Sep-01	0%
92	2222	Testing Radio access bearer support enhancements		3		No	WG T1		19-Mar-01	28-Sep-01	0%
93	2461	Testing RAB support enhancements-Robust Header Compression		3		No	WG T1	WG	19-Mar-01	28-Jun-02	0%
94	1273	<b>Provisioning of IP-based multimedia services</b>	IMS	1	Rel5	No	WG SA1	TSG	21-Feb-00	3-Jun-02	21%
95	1274	<b>Call control and roaming to support IP-based multimedia services in UMTS</b>	IMS-CCR	2		No	WG SA2	TSG	21-Feb-00	19-Feb-02	21%
96	1633	Stage 1	IMS-CCR	3		No	WG SA1		21-Feb-00	15-Dec-00	100%
97	1514	Stage 2 (Architecture and Main flows)	IMS-CCR	3		No	WG SA2	TSG	14-Apr-00	23-Mar-01	100%
98	1277	FS on Impacts on HSS	IMS-CCR	3		No	WG CN4		14-Apr-00	15-Dec-00	100%
99	2233	SIP Call Control protocol for the IM CN Subsystem	IMS-CCR	3		No	WG CN1	TSG	2-Oct-00	14-Dec-01	15%
100	1998	IMS signalling flows	IMS-CCR	4		No	WG CN1	TSG	2-Oct-00	12-Dec-01	40%
101	1278	IMS stage 3	IMS-CCR	4		No	WG CN1	TSG	2-Oct-00	12-Dec-01	40%
102	2255	IMS Session Handling; stage 2	IMS-CCR	4		No	WG CN1	TSG	2-Oct-00	12-Dec-01	38%
103	2521	IETF: draft-ietf-sip-rfc2543bis-02 (Session Initiation Protocol)		4		No	WG CN1		24-Nov-00	14-Dec-01	0%
104	2522	IETF: draft-sip-manyfolks-resource-01 (Without COMET)(Integration of resource management and SIP)		4		No	WG CN1		24-Nov-00	15-Nov-01	0%
105	2523	IETF: draft-ietf-sip-100rel-02 (Reliability of Provisional Response in SIP)		4		No	WG CN1		24-Nov-00	15-Nov-01	0%
106	2524	IETF: draft-ietf-sip-privacy-01 (SIP extensions for caller identity and privacy)		4		No	WG CN1		24-Nov-00	12-Dec-01	0%
107	2525	IETF: draft-ietf-sip-call-auth-01 (SIP extensions for media authorization)		4		No	WG CN1		24-Nov-00	12-Dec-01	0%
108	2526	IETF: draft-roach-sip-subscribe-notify-03 (Event Notification in SIP)		4		No	WG CN1		24-Nov-00	12-Dec-01	0%
109	1673	MLST: Stage 3 for basic calls		3		No	MLST		22-Mar-01	22-Mar-01	0%
110	1280	SIP SS and relationship to Mg, Mw and Cx	IMS-CCR	3		No	WG CN4		1-Jan-01	28-Dec-01	0%
111	1281	Multimedia Capabilities	IMS-CCR	3		No	WG CN1		4-Sep-00	2-Aug-01	0%
112	1282	Terminal capabilities	IMS-CCR	4		No	WG CN1		20-Nov-00	2-Aug-01	0%
113	1806	Terminal capabilities and Interactions on running multimedia from an external terminal	IMS-CCR	4		No	WG T2		1-Jan-01	29-Jun-01	0%
114	1805	Network capabilities	IMS-CCR	4		No	WG CN1		17-Oct-00	29-Jun-01	0%
115	1285	Network capabilities (N4 aspects)	IMS-CCR	4		No	WG CN4		4-Sep-00	29-Jun-01	0%

116	2529	UE Functionality Split	IMS-CCR	4		No	WG SA1		11-May-01	13-Jul-01	0%
117	1286	CSCF – HSS (Cx) applications and services (SCP)	IMS-CCR	3		No	WG SA2		14-Apr-00	19-Feb-02	18%
118	1515	Stage 2 flows	IMS-CCR	4		No	WG SA2		14-Apr-00	23-Mar-01	86%
119	2021	Stage 2 flows (N4 ) (see note)	IMS-CCR	4		No	WG CN4		15-Nov-00	19-Feb-02	10%
120	2023	Impacts from CAMEL	IMS-CCR	4		No	WG CN4		15-Nov-00	27-Nov-01	10%
121	1288	Impact on Camel Stage 3	IMS-CCR	4		No	WG CN2		4-Jun-01	28-Dec-01	0%
122	1289	Impact on MAP	IMS-CCR	4		No	WG CN4		18-Dec-00	4-Jan-02	0%
123	2024	Stage 3 protocol on Cx	IMS-CCR	4		No	WG CN4		18-Dec-00	4-Jan-02	0%
124	1290	Addressing, Identities	IMS-CCR	3		No	WG SA2		9-Oct-00	29-Jun-01	38%
125	1291	Architectural issues	IMS-CCR	4		No	WG SA2		9-Oct-00	16-Mar-01	70%
126	1292	Impact on HSS	IMS-CCR	4		No	WG CN4		15-Nov-00	29-Jun-01	15%
127	1294	Interworking with other multimedia protocols	IMS-CCR	3		No	WG CN3		28-Aug-00	28-Dec-01	23%
128	1296	Impact on MM/CC/SM	IMS-CCR-IWMM	4		No	WG CN1		19-Mar-01	21-Dec-01	0%
129	2047	Interworking between IM CN subsystem and CS networks	IMS-CCR-IWCS	4		No	WG CN3	TSG	28-Aug-00	28-Dec-01	30%
130	2048	Interworking between IM CN subsystem and IP networks	IMS-CCR-IWIP	4		No	WG CN3	WG	28-Aug-00	28-Dec-01	30%
131	2530	Service Examples	IMS-Sex	3		No	WG SA1	TSG	17-Apr-01	21-Dec-01	20%
132	2531	IMS Framework Report	IMS-FrWk	3		No	WG SA1	TSG	17-Apr-01	21-Dec-01	15%
133	1913	<b>Start Testing</b>		2		No	MLST		14-Dec-01	14-Dec-01	0%
134	1844	<b>Conformance Test Aspects - Provisioning of IP-based multimedia services</b>	IMS-TEST	2		No	WG T1		14-Dec-01	16-May-02	0%
135	1298	<b>Access Security for IP-based services</b>	IMS-ASEC	2		No	WG SA3	TSG	4-Sep-00	14-Mar-02	0%
136	2574	<b>Security Aspects of Requirement for Network Configuration Independence</b>	SEC1-NCI	2		No	WG SA3	TSG	2-Jul-01	12-Sep-01	10%
137	1299	<b>Lawful interception</b>	IMS-LI	2		No	WG SA3	TSG	4-Sep-00	29-Mar-01	10%
138	1300	<b>RAN improvements and evolution of the bearers on the Radio interface to enable efficient IP-based multimedia services in UMTS</b>	IMS-RAN	2		No	TSG RAN		2-Apr-01	28-Dec-01	0%
139	1303	<b>(copy) Charging and OAM&amp;P</b>	IMS-OAM	2	Rel5	No	WG SA5	TSG	25-Dec-00	21-Dec-01	20%
140	1598	<b>(Copy) AMR-WB</b>		2		No	WG SA4		4-Sep-00	29-Jun-01	95%
141	1305	<b>Roaming between IMS and CS domain networks (roaming support within and between network types)</b>	IMS-ONCS	2		No	WG CN4		24-Jul-00	3-Jun-02	39%



142	1457	Roaming requirements		3		No	WG SA1	TSG	24-Jul-00	29-Sep-00	100%
143	1306	Stage 2		3		No	WG SA2	TSG	15-Aug-00	20-Apr-01	53%
144	1307	Stage 2 review		3		No	WG CN4		23-Apr-01	4-Jun-01	0%
145	1456	Internetwork roaming aspects		3		No	?	TSG	5-Jun-01	3-Jun-02	0%
146	2227	MExE interactions		3		No	WG T2		1-Jan-01	28-Dec-01	100%
147	2228	MMS interactions		3		No	WG T2	WG	1-Jan-01	28-Dec-01	0%
148	1310	<b>Support of VHE/OSA by Rel4 network entities and protocols of the IM subsystem (e.g. CSCF)</b>	IMS-ONOSA	2		No	WG CN5	TSG	14-Aug-00	23-Mar-01	0%
149	1732	<b>Number portability in IMS</b>	IMS-MNP	2		No	WG CN4		1-Jan-01	28-Dec-01	0%
150	2036	<b>Multimedia codecs and protocols for conversational PS services</b>	IMS-CODEC	2		No	WG SA4	TSG	26-Jul-00	21-Dec-01	21%
151	2039	Codecs		3		No	WG SA4	TSG	26-Jul-00	21-Mar-01	100%
152	2040	performance characterisation of codec		3		No	WG SA4	TSG	2-Oct-00	21-Dec-01	0%
153	2038	protocols		3		No	WG SA4	TSG	2-Oct-00	21-Dec-01	0%
154	1539	<a href="#">Transparent End-to-End PS mobile streaming application</a>	PSTREAM	1	Rel4	No	WG SA4	TSG	3-Apr-00	21-Mar-01	100%
155	1652	<a href="#">Emergency call enhancements</a>	EMC1	1	NA	Yes	WG CN1	WG	3-Apr-00	2-Apr-02	12%
156	1653	<b>For IP &amp; PS based calls</b>	EMC1-PS	2	Rel5	No	WG CN1	TSG	3-Apr-00	2-Apr-02	9%
157	1314	Service Requirements for IP-based emergency calls	EMC1-PS	3		No	WG SA1		18-Sep-00	29-Jun-01	44%
158	1315	SIP emergency calls and packet emergency calls signalling flowsl	EMC1-PS	3		No	WG CN1		17-Oct-00	28-Dec-01	0%
159	1316	Stage 2 for emergency calls and packet emergency calls in general	EMC1-PS	3		No	WG SA2		2-Oct-00	1-Jun-01	26%
160	1317	Distinction of emergency call types to different emergency services	EMC1-PS	3		No	WG CN1		4-Jun-01	2-Apr-02	0%
161	1646	Stage 3 for emergency calls and packet emergency calls in general	EMC1-PS	3		No	WG CN1		14-Aug-00	28-Dec-01	0%
162	1605	(Copy2) Ensure reliable QoS for PS domain and IM subsystem		3		No	WG SA2		3-Apr-00	30-Mar-01	3%
163	1654	<b>For CS based calls</b>	EMC1-CS	2	Rel4	No	WG CN1	TSG	1-May-00	26-Sep-00	100%
164	1320	Distinction in CS domain of emergency call types to different emergency services	EMC1-CS	3		No	WG SA1		1-May-00	23-Jun-00	100%
165	1999	Distinction in CS domain of emergency calls to different	EMC1-CS	3		No	WG CN1		28-Aug-00	26-Sep-00	100%

		emergency types									
166	2224	<b>Conformance Test Aspects - Emergency call enhancements</b>		2		No	WG T1		12-Dec-00	29-Mar-02	0%
167	2225	Testing Stage 3 for emergency calls and packet emergency calls in general		3		No	WG T1		12-Dec-00	12-Dec-00	0%
168	2226	Testing CS based emergency calls	EMC1-CS	3		No	WG T1		28-Dec-01	28-Dec-01	0%
169	2563	Testing CS based emergency calls - TTCN	EMC1-CS	3		No	WG T1		29-Mar-02	29-Mar-02	0%
170	1322	<b>Enable bearer independent CS architecture</b>	CSSPLIT	1	Rel4	No	WG SA2	TSG	3-Jan-00	15-Mar-02	50%
171	1323	<b>Enable bearer-independent call control</b>	CSSPLIT	2		No	WG CN4	WG	3-Jan-00	16-Aug-01	73%
172	1516	Architecture and Stage 2 description on 23.002	CSSPLIT	3		No	WG SA2		3-Jan-00	8-Sep-00	100%
173	1325	Standardisation of protocols (control & user planes) over Nb interface	CSSPLIT	3		No	WG CN3	TSG	2-Jan-01	30-Mar-01	100%
174	1326	Standardisation of protocols over reference points between MSC server and Gateway MSC server	CSSPLIT	3		No	WG CN4	TSG	25-Sep-00	23-Mar-01	100%
175	1616	Standardisation of detailed stage 2 description	CSSPLIT	3		No	WG CN4	TSG	17-Jul-00	23-Mar-01	100%
176	1327	Bearer control between MSC server and MGW	CSSPLIT	3		No	WG CN4	TSG	1-Sep-00	16-Aug-01	100%
177	1328	stage 3 - protocol issues	CSSPLIT	4		No	WG CN4	TSG	1-Sep-00	16-Aug-01	100%
178	1329	stage 3 - parameter value issues	CSSPLIT	4		No	WG CN3		2-Jan-01	30-Mar-01	100%
179	1331	<b>Lawful interception</b>	CSSPLIT	2		No	WG SA3		21-Aug-00	23-Mar-01	0%
180	1332	<b>Bearer Independence and codec control issues</b>	CSSPLIT	2		No	WG SA4		14-Aug-00	23-Mar-01	0%
181	1918	<b>Start Testing</b>		2		No	MLST		12-Mar-01	12-Mar-01	0%
182	2052	<b>Conformance Test Aspects - Enable bearer independent CS architecture</b>	CSSPLIT-TEST	2		No	WG T1		19-Mar-01	15-Mar-02	0%
183	1847	UE Conformance test spec., Bearer independent CS, Protocol	CSSPLIT-TEST	3		No	WG T1		19-Mar-01	14-Sep-01	0%
184	1848	UE Conformance test spec., Bearer independent CS, TTCN	CSSPLIT-TEST	3		No	WG T1		17-Sep-01	15-Mar-02	0%
185	1340	<b>Facsimile</b>	FAX	1	Rel4	No	WG SA1	TSG	22-Feb-00	22-Dec-00	77%
186	1341	<b>Real Time Fax</b>	FAX-RT	2		No	WG SA2		22-Feb-00	23-Jun-00	100%
187	1808	Terminal capabilities, AT commands	FAX-RT	3		No	WG T2		22-Feb-00	23-Jun-00	100%
188	1343	Signalling aspects (e.g. ICM)	FAX-RT	3		No	WG CN1		22-Feb-00	23-Jun-00	100%
189	1648	Service provision	FAX-RT	3		No	WG CN3		22-Feb-00	23-Jun-00	100%
190	1345	Review whether service/stage 1 aspects need to be aligned	FAX-RT	3		No	WG SA1		14-Apr-00	23-Jun-00	100%

191	1346	Review whether architecture/stage 2 aspects need to be aligned	FAX-RT	3		No	WG SA2		14-Apr-00	23-Jun-00	100%
192	2041	<b>Start Testing</b>		2		No	MLST		26-Jun-00	26-Jun-00	0%
193	1851	<b>Conformance Test Aspects - Facsimile</b>		2		No	WG T1		26-Jun-00	22-Dec-00	0%
194	1517	<b>Global Text Telephony</b>	GTT	1	NA	Yes	WG SA2	TSG	28-Jun-00	7-Dec-01	22%
195	2240	<b>Minimum solution</b>		2	Rel5	No	WG SA2		28-Jun-00	8-Jun-01	41%
196	1634	Stage 1	GTT	3		No	WG SA1	TSG	28-Jun-00	16-Mar-01	33%
197	1519	Stage 2	GTT	3		No	WG SA2	TSG	2-Oct-00	8-Jun-01	22%
198	2234	Specification of Cellular Text telephone Modem	GTT-CTM	3		No	WG SA4		11-Sep-00	19-Mar-01	67%
199	2238	General description and C-code	GTT-CTM	4		No	WG SA4		11-Sep-00	11-Dec-00	100%
200	2237	Minimum Performance requirements	GTT-CTM	4		No	WG SA4		11-Sep-00	19-Mar-01	51%
201	2239	<b>Improvements of GTT</b>		2	Rel5	No	WG SA2		9-Oct-00	7-Dec-01	0%
202	1350	Activation and transport	GTT	3		No	WG SA2		1-Jan-01	22-Mar-01	0%
203	1520	SIP and H.324 Activation and transport	GTT	4		No	WG SA2		1-Jan-01	22-Mar-01	0%
204	1521	Data Channel Activation and transport	GTT	4		No	WG SA2		1-Jan-01	22-Mar-01	0%
205	1523	Selection of transport method	GTT	4		No	WG SA2		1-Jan-01	22-Mar-01	0%
206	1809	Terminal Aspects	GTT	3		No	WG T2	TSG	12-Mar-01	31-May-01	0%
207	1357	USIM Aspects	GTT	3		No	WG T3		12-Mar-01	31-May-01	0%
208	2096	GTT using CS multimedia telephony	GTT	3		No	WG SA4		9-Oct-00	28-Dec-00	0%
209	1915	Start Testing	GTT	3		No	MLST		11-Jun-01	11-Jun-01	0%
210	1852	Conformance Test Aspects - Global Text telephony	GTT	3		No	WG T1		11-Jun-01	7-Dec-01	0%
211	1367	<b>VHE enhancements</b>	VHE1	1	NA	Yes	WG SA1	TSG	7-Aug-00	8-Nov-02	9%
212	2498	<b>Global Stage 1 for VHE Enhancements</b>	VHE1	2		No	WG SA1	TSG	5-Oct-00	17-Jan-01	100%
213	1368	<b>Detailed definition of the VHE user profile</b>	VHE1-USERP	2	Rel5	No	WG SA2	WG	7-Aug-00	8-Nov-02	17%
214	1404	Stage 2	VHE1-USERP	3		No	WG SA2	WG	7-Aug-00	6-Jul-01	31%
215	2123	Enhanced Subscription Management & User Profile	VHE1-USERP	3		No	WG SA5	TSG	21-Jan-02	8-Nov-02	0%
216	2104	<b>Extensions to existing (and possibly new) toolkits</b>	VHE1-TLKT1	2	Rel5	No	WG SA2	WG	2-Apr-01	5-Feb-02	0%
217	2106	Stage 2	VHE1-TLKT1	3		No	WG SA2	WG	2-Apr-01	29-Jun-01	0%

218	2107	Stage 3 (wait for stage 2)	VHE1-TLKT1	3		No		WG	2-Jul-01	5-Feb-02	0%
219	2108	<b>Interaction between toolkits to enable IP multimedia services</b>	VHE1-IMS	2	Rel5	No	WG SA2	WG	2-Apr-01	5-Feb-02	0%
220	2110	Stage 2	VHE1-IMS	3		No	WG SA2	WG	2-Apr-01	29-Jun-01	0%
221	2111	Stage 3 (wait for stage 2)	VHE1-IMS	3		No		WG	2-Jul-01	5-Feb-02	0%
222	2112	<b>Transparent roaming for services</b>	VHE1-RMG	2	Rel5	No	WG SA2	WG	16-Apr-01	19-Feb-02	0%
223	2114	Stage 2	VHE1-RMG	3		No	WG SA2	WG	16-Apr-01	13-Jul-01	0%
224	2115	Stage 3 (wait for stage 2)	VHE1-RMG	3		No		WG	16-Jul-01	19-Feb-02	0%
225	2532	<b>Charging</b>	VHE1-CHR	2	Rel5	Yes	WG SA2	WG	2-Apr-01	5-Feb-02	0%
226	2533	Stage 2	VHE1-CHR	3		No	WG SA2	WG	2-Apr-01	29-Jun-01	0%
227	2534	Stage 3	VHE1-CHR	3		No	WG SA5	WG	2-Jul-01	5-Feb-02	0%
228	2535	<b>Other VHE Enhancements</b>	VHE1-RMG	2	Rel5	Yes	WG SA2	WG	16-Apr-01	19-Feb-02	0%
229	2536	Stage 2	VHE1-RMG	3		No	WG SA2	WG	16-Apr-01	13-Jul-01	0%
230	2537	Stage 3	VHE1-RMG	3		No	WG SA2	WG	16-Jul-01	19-Feb-02	0%
231	1637	<b>OSA enhancements</b>	OSA1	1	NA	Yes	WG SA1	TSG	28-Jun-00	21-Dec-01	50%
232	2120	<b>General Stage 2</b>	OSA1	2		No	WG SA2	TSG	3-Aug-00	29-Mar-01	100%
233	1424	<b>Interactions OSA - e-commerce</b>	OSA1-ECOM	2	Rel4	No	WG SA2	TSG	11-Sep-00	30-Mar-01	100%
234	1425	Stage 1	OSA1-ECOM	3		No	WG SA1	TSG	11-Sep-00	28-Dec-00	100%
235	1529	Stages 2 and 3	OSA1-ECOM	3		No	WG CN5	TSG	29-Dec-00	30-Mar-01	100%
236	1429	<b>OSA APIs for MuMa CC</b>	OSA1-CSCF	2	Rel5	No	WG SA2	TSG	11-Jul-00	6-Apr-01	62%
237	1430	Stage 1	OSA1-CSCF	3		No	WG SA1	TSG	11-Jul-00	27-Feb-01	31%
238	1530	Stages 2 and 3	OSA1-CSCF	3		No	WG CN5	TSG	25-Sep-00	6-Apr-01	100%
239	1419	<b>OSA security</b>	OSA1-SEC	2	Rel5	No	WG SA3	TSG	28-Jun-00	3-Sep-01	40%
240	2121	Stage 1	OSA1-SEC	3		No	WG SA1	TSG	11-Jul-00	3-Sep-01	8%
241	1420	Stage 2	OSA1-SEC	3		No	WG SA2	TSG	28-Jun-00	8-Sep-00	80%
242	1421	Stage 3	OSA1-SEC	3		No	WG SA3	TSG	23-Oct-00	10-Aug-01	60%
243	1422	security related SCF(s) definition	OSA1-SEC	3		No	WG CN5	TSG	8-Jan-01	12-Apr-01	100%

244	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR	OSA1-SEC	3		No	WG SA3	TSG	11-Sep-00	14-Dec-00	60%
245	1621	impact on terminal	OSA1-SEC	3		No	WG T2	TSG	2-Apr-01	29-Jun-01	0%
246	1433	<b>Retrieval of Terminal capabilities</b>	OSA1-TC	2	Rel5	No	WG SA2	TSG	25-Sep-00	30-Nov-01	73%
247	1434	Stage 1	OSA1-TC	3		No	WG SA1	TSG	25-Sep-00	10-Jan-01	100%
248	1436	Stages 2 and 3	OSA1-TC	3		No	WG CN5	TSG	11-Jan-01	17-Apr-01	100%
249	2122	Provisioning of the terminal capabilities	OSA1-TC	3		No	WG T2	TSG	2-Apr-01	30-Nov-01	50%
250	1786	<b>LCS - OSA interfaces</b>	OSA1-LCSI	2	Rel4	No	WG SA1	TSG	11-Sep-00	30-Mar-01	72%
251	1787	Stage 1	OSA1-LCSI	3		No	WG SA1	TSG	11-Sep-00	8-Dec-00	100%
252	2124	Stage 2	OSA1-LCSI	3		No	WG SA2	TSG	11-Dec-00	11-Dec-00	100%
253	1788	Stage 3	OSA1-LCSI	3		No	WG CN5	TSG	15-Jan-01	30-Mar-01	100%
254	2538	<b>Interaction with Rel-5 features</b>		2	Rel5	No	WG SA1	TSG	11-May-01	9-Nov-01	0%
255	2539	Access to Presence information	OSA1-PI	3		No	WG SA1	TSG	11-May-01	9-Nov-01	0%
256	2540	Access to User Profile	OSA1-UP	3		No	WG SA1	TSG	11-May-01	9-Nov-01	0%
257	2541	Policy Management	OSA1-PM	3		No	WG SA1	TSG	11-May-01	9-Nov-01	0%
258	2519	<b>OSA Stage 3</b>	OSA1	2	Rel5	No	WG CN5	WG	24-May-01	21-Dec-01	5%
259	2116	<b>(copy) Charging and OAM&amp;P (!)</b>	OSA1-OAM	2	Rel5	No	WG SA5	TSG	25-Dec-00	30-Mar-01	20%
260	1638	<b>CAMEL phase 4</b>	CAMEL4	1	Rel5	No	WG SA1	WG	3-Jan-00	21-Dec-01	40%
261	1461	<b>Service requirements</b>	CAMEL4	2		No	WG SA1	WG	17-Apr-00	22-Jun-01	79%
262	2011	<b>Charging notification to the CSE</b>	CAMEL4-CNCNE	2		No	WG CN2	WG	3-Jan-00	20-Dec-01	20%
263	2012	<b>Call Party Handling</b>	CAMEL4-CPH	2		No	WG CN2	WG	10-Jul-00	20-Dec-01	60%
264	2013	<b>Mid call procedure for MO and MT calls</b>	CAMEL4-MCP	2		No	WG CN2	WG	17-Jul-00	20-Dec-01	60%
265	2014	<b>Interactions with Optimal Routing</b>	CAMEL4-IOR	2		No	WG CN2	WG	17-Jul-00	20-Dec-01	95%
266	2015	<b>Inclusion of flexible tone injection</b>	CAMEL4-IFTI	2		No	WG CN2	WG	17-Jul-00	20-Dec-01	95%
267	2016	<b>CSE control over MT SMS</b>	CAMEL4-CCSMS	2		No	WG CN2	WG	17-Jul-00	20-Dec-01	60%
268	2017	<b>CAMEL applicability to media streams like VoIP</b>	CAMEL4-ONSTRM	2		No	WG CN2	WG	3-Jan-00	21-Dec-01	0%

269	2460	<b>Notification of GPRS mobility management to CSE</b>	CAMEL4-NMM	2		No	WG CN2	WG	2-Mar-01	20-Dec-01	8%
270	2459	<b>Enhancement of dialled services</b>	CAMEL4-EDS	2		No	WG CN2	WG	2-Mar-01	20-Dec-01	10%
271	2458	<b>Provision of location information of called subscriber</b>	CAMEL4-LOCB	2		No	WG CN2	WG	2-Mar-01	20-Dec-01	30%
272	2514	<b>Inclusion of ODB data in the CSE_HLR interface</b>	CAMEL4-ODB	2		No	WG CN2	WG	9-Jul-01	21-Dec-01	0%
273	2515	<b>Location information during an ongoing call (Handover DP)</b>	CAMEL4-HODP	2		No	WG CN2	WG	14-May-01	21-Dec-01	5%
274	2516	<b>GPRS Any Time Interrogation</b>	CAMEL4-ATI	2		No	WG CN2	WG	9-Jul-01	21-Dec-01	0%
275	1445	<a href="#">MExE enhancements Rel-4</a>	MEXE	1	NA	No	WG T2	TSG	3-Jan-00	14-Dec-01	86%
276	1447	<b>MExE Security Analysis Activity</b>	MEXE-SEC	2	Rel5	No	WG SA3	TSG	22-Feb-00	14-Dec-01	75%
277	2045	Stage 3	MEXE1-SEC	3		No	WG SA3		17-Jul-00	14-Dec-01	61%
278	1448	Terminal aspects		3		No	WG T2		22-Feb-00	15-Dec-00	100%
279	1810	<b>MExE Rel4 Improvements and Investigations</b>	MEXE-ENHANC	2	Rel4	No	WG T2	TSG	3-Jan-00	15-Dec-00	98%
280	1812	3rd MExE classmark		3		No	WG T2	TSG	3-Jan-00	15-Dec-00	100%
281	1814	FS on Secure download mechanism and capabilities to support SDR concepts		3		No	WG T2	TSG	7-Feb-00	15-Dec-00	100%
282	1815	FS on Support of MP3/MPEG4 content		3		No	WG T2	TSG	7-Feb-00	15-Dec-00	100%
283	2464	<a href="#">MExE enhancements Rel-5</a>	MEXE5	1	NA	No	WG T2	TSG	21-Feb-01	17-Dec-01	18%
284	2465	<b>MExE Rel-5 Security Analysis</b>	MEXE5-SEC	2	Rel5	No	WG T2	TSG	21-Feb-01	17-Dec-01	5%
285	2466	<b>MExE Rel-5 Improvements and Investigations</b>	MEXE5-ENHANC	2	Rel5	No	WG T2	TSG	26-Mar-01	17-Dec-01	75%
286	1625	<a href="#">Wideband Telephony Service - AMR</a>	AMRWB	1	Rel5	No	WG SA4	TSG	1-Jan-00	7-Dec-01	21%
287	62	<b>Specification</b>	AMRWB	2		No	WG SA4		1-Jan-00	11-Jun-01	83%
288	1459	Design Constraints	AMRWB	3		No	WG SA4		3-Jan-00	7-Feb-00	100%
289	1460	General Description	AMRWB	3		No	WG SA4		7-Feb-00	17-Apr-00	100%
290	1626	Feasibility Study	AMRWB	3		No	WG SA4	TSG	28-Apr-00	2-Jun-00	100%
291	67	Codec issues	AMRWB	3		No	WG SA4		1-Feb-00	23-Mar-01	100%

292	1627	Codec qualification	AMRWB	4		No	WG SA4	TSG	1-Feb-00	30-May-00	100%
293	74	Codec selection tests	AMRWB	4		No	WG SA4		1-Jun-00	20-Oct-00	100%
294	891	Codec selection	AMRWB	4		No	WG SA4		23-Oct-00	27-Oct-00	100%
295	890	Other codec issues (verif., characterisation)	AMRWB	4		No	WG SA4		29-Sep-00	23-Mar-01	100%
296	1989	<b>Start Testing</b>	AMRWB	3		No	MLST		11-Dec-00	11-Dec-00	0%
297	1855	<b>Conformance tests (CRs to 34 series)</b>	AMRWB	3		No	WG T1		11-Dec-00	11-Jun-01	0%
298	76	Terminal Acoustic Characteristics	AMRWB	3		No	WG SA4		1-Jan-00	12-Apr-00	100%
299	1628	Definition	AMRWB	4		No	WG SA4	TSG	1-Jan-00	31-Jan-00	100%
300	1629	Test specification	AMRWB	4		No	WG SA4	TSG	1-Feb-00	12-Apr-00	100%
301	889	<b>Implementation</b>	AMRWB	2		No	WG SA4		3-Jan-00	7-Dec-01	5%
302	893	<b>In UTRAN</b>	AMRWB	3		No	TSG RAN		3-Oct-00	30-Mar-01	0%
303	80	<b>Support of AMR-WB in GERAN</b>	GAMRWB	3		No	TSG GERAN	TSG	3-Jan-00	7-Dec-01	3%
304	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 45.003	GAMRWB	4		No	TSG GERAN	TSG	3-Jan-00	6-Apr-01	25%
305	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A interface	GAMRWB	4		No	TSG GERAN	TSG	3-Jan-00	1-Jun-01	0%
306	2267	GMSK and 8PSK WB FR / HR support - Signalling for lu	GAMRWB	4		No	TSG GERAN	TSG	3-Jan-00	1-Jun-01	0%
307	2268	GMSK and 8PSK WB FR / HR support - Link adaptation in 45.009	GAMRWB	4		No	TSG GERAN	TSG	3-Jan-00	1-Jun-01	0%
308	2269	GERAN MS conformance test for AMR-WB	GAMRWB	4		No	TSG GERAN	TSG	3-Jan-00	7-Dec-01	0%
309	2270	MS test	GAMRWB	5		No	TSG GERAN	TSG	3-Jan-00	7-Dec-01	0%
310	2271	GERAN BTS conformance test for AMR-WB	GAMRWB	4		No	TSG GERAN	TSG	3-Jan-00	7-Dec-01	0%
311	2272	BTS test	GAMRWB	5		No	TSG GERAN	TSG	3-Jan-00	7-Dec-01	0%
312	1656	In CN, see notes	AMRWB	3		No	WG CN1		20-Nov-00	27-Sep-01	50%
313	1541	<b>Transcoder-Free Operation</b>	TrFO	1	Rel4	No	WG CN4		3-Jan-00	30-Mar-01	82%
314	112	<b>OoBTC solution</b>	TRFO-OoBTC	2		No	WG CN4	WG	3-Jan-00	30-Mar-01	100%
315	1512	implementation in UTRAN	TRFO-OoBTC-UTRAN	3	Rel4	No	WG RAN3	TSG	11-Sep-00	30-Mar-01	100%

316	896	Impact on architecture, Principles and Terminology	TRFO-OOBTC	3		No	WG SA2		3-Jan-00	20-Oct-00	100%
317	1657	Codec Negotiation between UE and MSC	TRFO-OOBTC	3		No	WG CN1	TSG	14-Aug-00	2-Feb-01	100%
318	115	Codec Negotiation inter MSC	TRFO-OOBTC	3		No	WG CN4		3-Jul-00	22-Dec-00	100%
319	894	Bearer establishment inter MSC	TRFO-OOBTC	3		No	WG CN4	TSG	3-Jul-00	22-Dec-00	100%
320	1617	Prevention of user fraud	TRFO-OOBTC	3		No	WG SA3		21-Aug-00	30-Mar-01	100%
321	905	<b>Speech Transcoder: Location and Control at the UMTS Core Network Border</b>	TRFO-STLC	2		No	WG SA2	WG	10-Apr-00	29-Sep-00	100%
322	124	Transcoder at Edge	TRFO-STLC	3		No	TSG CN		10-Apr-00	29-Sep-00	100%
323	1631	<a href="#">Tandem Free aspects for 3G and between 2G and 3G systems</a>	TFO	1	Rel4	No	WG SA4		22-Feb-00	15-Jun-01	81%
324	1632	<b>Tandem Free AMR</b>	TFO-AMR	2		No	WG SA4		22-Feb-00	15-Jun-01	79%
325	130	Specification	TFO-AMR	3		No	WG SA4		22-Feb-00	23-Mar-01	100%
326	907	Impact on:	TFO-AMR	3		No	TSG CN		8-Jan-01	15-Jun-01	48%
327	131	CN	TFO-AMR	4		No	TSG CN		26-Mar-01	15-Jun-01	100%
328	132	GERAN	TFO-AMR	4		No	TSG GERAN		8-Jan-01	6-Apr-01	0%
329	1818	<a href="#">Multimedia Messaging</a>	MMS	1	Rel4	No	WG T2	TSG	22-Feb-00	14-Mar-01	87%
330	136	<b>Definition of service requirements</b>	MMS	2		No	WG SA1		22-Feb-00	31-May-00	100%
331	1819	<b>Review of definition of service requirements</b>		2		No	WG T2	TSG	1-Jun-00	14-Mar-01	100%
332	1820	<b>Technical Realisation</b>		2		No	WG T2	TSG	10-Apr-00	14-Mar-01	99%
333	1821	Review of definition of reference Architecture model		3		No	WG T2	TSG	10-Apr-00	14-Mar-01	100%
334	1822	"Fulfill Requirements of Stage 1"		3		No	WG T2	TSG	10-Apr-00	14-Mar-01	99%
335	1823	Definition of MMS primitives in Stage 2		3		No	WG T2	TSG	10-Apr-00	14-Mar-01	100%
336	1826	<a href="#">Terminal interfaces</a>	TI	1	NA	Yes	WG T2		3-Jan-00	21-Dec-01	43%
337	1827	<b>AT commands enhancements</b>	TI-ATC	2	Rel4	No	WG T2		3-Jan-00	14-Mar-01	71%
338	1828	Specification of AT commands for new services		3		No	WG T2		3-Jan-00	14-Mar-01	100%
339	1858	UE Conformance test spec. AT command	TI-ATC	3		No	WG T1		3-Jul-00	29-Dec-00	0%
340	1829	<b>Wide Area Data Synchronisation</b>	TI-WADS	2	NA	Yes	WG T2		3-Jan-00	21-Dec-01	34%



341	1830	Continues evolution of Synchronisation protocol	TI-SYNC-EVOL	3	Rel4	No	WG T2		3-Jan-00	14-Mar-01	100%
342	1831	vObjects and Other Constructs for Use in Data Synchronisation	TI-SYNC-VOBJ	3	Rel5	No	WG T2	TSG	16-May-00	21-Dec-01	26%
343	2251	Start Testing	AMRWB	3		No	MLST		14-Mar-01	14-Mar-01	0%
344	1860	UE Conformance test spec. Wide area data sync	TI-WADS	3		No	WG T1		18-Dec-00	15-Jun-01	0%
345	1832	<b>Terminal local model</b>	TLM	2	Rel4	No	WG T2	TSG	16-May-00	15-Mar-01	100%
346	2573	<b>Terminal local model enhancements</b>	TLM5	2	Rel5	No	WG T2	WG	14-May-01	12-Dec-01	10%
347	1536	<a href="#">Location Services enhancements</a>	LCS1	1	NA	Yes	WG SA2	TSG	3-Apr-00	29-Nov-02	22%
348	1171	<b>Event based and Periodic LCS</b>	LCS1-EBP	2	Rel5	No	WG SA1		22-May-00	22-Jun-01	56%
349	1641	Stage 1	LCS1-EBP	3		No	WG SA1		22-May-00	17-Nov-00	100%
350	1538	Stage 2 specification	LCS1-EBP	3		No	WG SA2		6-Nov-00	26-Jan-01	51%
351	1179	Impact on MAP	LCS1-EBP	3		No	WG CN4		12-Feb-01	22-Jun-01	0%
352	519	<b>(copy) Charging and OAM&amp;P (!)</b>	LCS1-OAM	2	Rel5	No	WG SA5	TSG	1-Jan-01	29-Jun-01	20%
353	521	<b>New security aspects of LCS (not identified)</b>	LCS1-SEC	2		No	WG SA3		14-Apr-00	28-Dec-01	15%
354	523	<b>LCS support in the CS domain</b>	LCS1-CS	2	Rel4	No	WG SA2		15-May-00	19-Jan-01	44%
355	525	<b>LCS support in the PS domain</b>	LCS1-PS	2	Rel4	No	WG SA2		1-May-00	30-Mar-01	69%
356	1642	Stage 1	LCS1-PS	3		No	WG SA1		3-Jul-00	25-Aug-00	100%
357	1181	Stage 2	LCS1-PS	3		No	WG SA2		1-May-00	19-Jan-01	100%
358	1180	Stage 3	LCS1-PS	3		No	WG CN1		21-Aug-00	30-Mar-01	81%
359	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPRS)	LCS1-PS	4		No	WG CN1		21-Aug-00	13-Dec-00	10%
360	2462	MAP impacts of LCS	LCS1-PS	4		No	WG CN4		21-Aug-00	30-Mar-01	100%
361	527	GTP signaling for LCS	LCS1-PS	4		No	WG CN4		21-Aug-00	30-Mar-01	100%
362	544	<b>LCS interoperation stage 2 aspects</b>		2		No	WG SA2		15-May-00	19-Jan-01	44%
363	2434	<b>LCS interoperation stage 2 aspects to GERAN</b>	LCS-GERAN	2		No	TSG GERAN	TSG	28-Aug-00	30-Nov-01	25%
364	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GERAN	LCS-GERAN	3		No	TSG GERAN	TSG	28-Aug-00	30-Nov-01	25%
365	2436	<b>Location Services for GERAN in A/Gb Mode</b>	LCS-GERAN	2		No	TSG GERAN	TSG	3-Apr-00	1-Jun-01	19%
366	2437	GERAN LCS Stage 2 (first release)	LCS-	3		No	TSG	TSG	3-Apr-00	6-Apr-01	75%

			GERAN				GERAN				
367	2438	Gb interface support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	1-Jun-01	25%
368	2439	RLC/MAC protocol support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	1-Jun-01	0%
369	2440	L3 protocol support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	1-Jun-01	0%
370	2441	Stage 3 specifications	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	1-Jun-01	0%
371	2442	<b>Location Services for GERAN in Iu Mode</b>	LCS-GERAN	2		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
372	2443	GERAN LCS Stage 2 (second release)	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	31-Aug-01	0%
373	2444	Iu-ps interface support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
374	2445	Iu-cs interface support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
375	2446	Iur-g interface support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
376	2447	RRC protocol support for LCS	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
377	2448	Additional impacts on Broadcast of LCS data on packet channels	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
378	2449	Stage 3 specifications	LCS-GERAN	3		No	TSG GERAN	TSG	3-Apr-00	30-Nov-01	0%
379	2450	<b>GERAN MS Conformance test for LCS</b>	LCS-GERAN	2		No	WG GERAN4	TSG	31-Aug-01	29-Nov-02	0%
380	2451	MS test	LCS-GERAN	3		No	WG GERAN4	TSG	31-Aug-01	29-Nov-02	0%
381	2452	<b>GERAN BTS Conformance test for LCS</b>	LCS-GERAN	2		No	WG GERAN3	TSG	31-Aug-01	29-Nov-02	0%
382	2453	BTS test	LCS-GERAN	3		No	WG GERAN3	TSG	31-Aug-01	29-Nov-02	0%
383	2229	<b>CBS interactions</b>	LCS1-CBS	2	Rel4	No	WG T2		14-Apr-00	14-Mar-01	100%
384	1600	<b>UE positioning</b>	LCS1-UEpos	2	Rel5	No	TSG RAN	TSG	3-Apr-00	28-Dec-01	40%
385	1601	Iub/Iur interfaces for methods Rel 99	LCS1-UEpos-	3	Rel4	No	WG RAN3	TSG	3-Apr-00	30-Mar-01	100%

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386	1602	UE positioning enhancements - IPDL for TDD	LCS1-UEpos-enh	3	Rel4	No	WG RAN2	TSG	28-Aug-00	23-Mar-01	100%
387	2457	UE positioning enhancements - other methods	LCS1-UEpos-enh	3	Rel5	No	WG RAN2	TSG	28-Aug-00	28-Dec-01	24%
388	2474	UE positioning enhancements for 1.28 Mcps TDD		3	Rel5	No	WG RAN2	TSG	9-Apr-01	28-Dec-01	0%
389	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 positioning		3	Rel5	No	WG RAN2	TSG	9-Apr-01	28-Dec-01	0%
390	1603	(Copy) UTRA repeater specification		3		No	WG RAN4	TSG	10-Jul-00	21-Mar-01	27%
391	1796	<b>(Copy) LCS application interfaces (LCS-OSA)</b>		2		No	WG SA1		11-Sep-00	28-May-01	0%
392	1183	<b>FS on LCS support in the IM CN subsystem</b>		2		No	WG SA1		12-Feb-01	15-Jun-01	28%
393	2125	<b>Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning</b>	LCS-INTF	2	Rel5	No	WG RAN2	TSG	15-Jan-01	29-Jun-01	0%
394	2127	Stage 2		3		No	WG SA2	WG	15-Jan-01	30-Mar-01	0%
395	2126	Stage 3		3		No			2-Apr-01	29-Jun-01	0%
396	1542	<b>TO BE DELETED- Ensure reliable QoS for PS domain</b>	QoSSPS	1	Rel4	No	WG SA2		3-Apr-00	14-Dec-01	7%
397	1543	<b>stage 2 for End-to-end QoS (re)negotiation and reservation mechanisms</b>	QoSSPS	2		No	WG SA2		14-Apr-00	11-Sep-00	66%
398	1658	<b>stage 3 for End-to-end QoS (re)negotiation and reservation mechanisms, including HO</b>	QoSSPS	2		No	WG CN1		25-Sep-00	26-Jan-01	0%
399	1545	GMM and SM aspects	QoSSPS	3		No	WG CN1		25-Sep-00	23-Jan-01	0%
400	1546	GTP aspects	QoSSPS	3		No	WG CN4		25-Sep-00	26-Jan-01	0%
401	1547	<b>Mapping of end to end QoS parameters on each interface</b>	QoSSPS-MAPEND	2		No	WG SA2		14-Apr-00	14-Dec-01	3%
402	1548	Impacts on N4 documents		3		No	WG CN4		14-Apr-00	30-Mar-01	0%
403	1549	End to End QoS Stage 3		3	Rel5	No	WG CN3	WG	2-Oct-00	14-Dec-01	5%
404	1550	<b>Interactions between external mechanisms and UMTS mechanisms for QoS negotiation and reservation</b>		2		Yes	WG CN3		21-May-01	16-Oct-01	0%
405	1660	<b>Mapping between the QoS UMTS point codes and the QoS External point codes</b>	QoSSPS-ENDEND-CPMAPP	2		No	WG CN3		22-Jun-00	14-Aug-00	0%
406	1552	<b>(copy) Charging Management</b>	QoSSPS-OAMCH	2	Rel5	No	WG SA5	TSG	1-Dec-00	21-Jun-01	20%
407	1619	<b>Application aspects, multi-mode aspects</b>		2		No	WG T2	WG	3-Apr-00	22-Dec-00	0%

408	1554	<b>Evolution of maximum SDU size</b>	QoSPS-MAXSDU	2		No	WG SA2		14-Apr-00	23-Mar-01	7%
409	1555	Impacts on CN protocols (e.g., GTP, MAP)		3		No	WG CN4		14-Apr-00	23-Mar-01	11%
410	1556	Impact on interworking over GTP e.g. PPP		3		No	WG CN3		9-Oct-00	5-Mar-01	0%
411	1611	<b>Admission control function triggers</b>	QoSPS-AdmC	2	NA	No	WG RAN3		30-Oct-00	26-Mar-01	0%
412	1560	<b>UICC/(U)SIM enhancements and interworking</b>	UICC1	1	NA	Yes	WG T3		24-Jul-00	14-Dec-01	57%
413	1799	<b>Common PCN Handset Specification (CPHS)</b>	UICC1-CPHS	2	Rel4	No	WG T3	TSG	24-Jul-00	23-Mar-01	100%
414	2517	<b>UICC/USIM Transport Protocol</b>	UICC1-Protocl	2	Rel5	No	WG T3	TSG	12-Jun-01	14-Dec-01	0%
415	1800	<b>(U)SIM toolkit enhancements</b>	USAT1	1	NA	Yes	WG T3		5-Jun-00	14-Mar-02	37%
416	1566	<b>Enhancements to (U)SIM toolkit secure messaging</b>	USAT1-SM	2	Rel5	No	WG T3	TSG	2-Apr-01	27-Jul-01	0%
417	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	USAT1-Interpr	2	Rel5	No	WG T3	TSG	5-Jun-00	14-Mar-02	52%
418	2497	Stage 1		3		No	WG T3	TSG	5-Jun-00	16-Mar-01	100%
419	2496	Stage 2 and 3		3		No	WG T3	TSG	3-Jan-01	21-Sep-01	55%
420	2518	Test specification		3		No	WG T3	TSG	1-Jun-01	14-Mar-02	0%
421	2034	<b>USAT local link</b>	USAT1-LocLnk	2	Rel4	No	WG T3	TSG	5-Jun-00	23-Mar-01	100%
422	1802	<b>UICC API</b>	USAT1-API	2	NA	Yes	WG T3		25-Sep-00	28-Sep-01	7%
423	2031	Multos API	USAT1-API-MULTOS	3	Rel5	No	WG T3	TSG	25-Sep-00	28-Sep-01	7%
424	2032	Specification	USAT1-API-MULTOS	4		No	WG T3	TSG	25-Sep-00	22-Jun-01	13%
425	2033	Test specification	USAT1-API-MULTOS	4		No	WG T3	TSG	1-Jan-01	28-Sep-01	0%
426	1571	<b>Security enhancements</b>	SEC1	1	NA	No	WG SA3	TSG	3-Jan-00	14-Jun-02	25%
427	2099	<b>UE triggered authentication during connections</b>	SEC1-UETADC	2	Rel4	No	WG SA3	TSG	14-Mar-00	14-Mar-00	0%
428	2254	Stage3	SEC1-UETADC	3		No	WG CN1		14-Mar-00	14-Mar-00	0%
429	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)</b>	SEC1-CSALGO1	2	Rel4	No	WG SA3	TSG	3-Jan-00	15-Jan-01	34%
430	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	SEC1-	2	Rel4	No	WG SA3	TSG	22-Feb-00	22-Dec-00	73%

			PSALGO1								
431	1589	Main aspects	SEC1-PSALGO1	3		No	WG SA3		22-Feb-00	24-Nov-00	28%
432	1618	Impact on GTP	SEC1-PSALGO1	3		No	WG CN4	WG	20-Mar-00	22-Dec-00	100%
433	1661	GEA capability indication in MS CM	SEC1-PSALGO1-GEACAP	3		No	WG CN1		19-Jun-00	22-Dec-00	100%
434	1572	<b>Protection for user plane data</b>	SEC1-PUPD	2	Rel5	Yes	WG SA3	TSG	14-Feb-00	22-Jun-01	0%
435	1573	Integrity protection in access network	SEC1-PUPD	3		No	WG SA3		14-Feb-00	22-Jun-01	0%
436	1575	Network based end-to-end security	SEC1-PUPD	3		No	WG SA3		14-Feb-00	22-Jun-01	0%
437	1576	<b>Network domain security</b>	SEC1-NDS	2		Yes	WG SA3	TSG	21-Feb-00	28-Sep-01	30%
438	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provided by IPsec)	SEC1-NDS	3	Rel5	No	WG SA3		21-Feb-00	21-Jun-01	35%
439	1578	Main aspects	SEC1-NDS	4		No	WG SA3		12-May-00	21-Jun-01	0%
440	1579	Integration of GTP signalling security architecture	SEC1-NDS	4		No	WG CN4		21-Feb-00	30-Mar-01	70%
441	1580	User plane protection in core network (e.g., provided by IPsec)	SEC1-NDS	3	Rel5	No	WG SA3		21-Feb-00	21-Jun-01	35%
442	1581	Main aspects	SEC1-NDS	4		No	WG SA3		21-Feb-00	21-Jun-01	7%
443	1582	Integration of GTP signalling security architecture	SEC1-NDS	4		No	WG CN4		22-Feb-00	23-Mar-01	70%
444	2098	Study of network-based denial of service	SEC1-NDS	3		No	WG SA3	TSG	14-Sep-00	28-Sep-01	0%
445	1583	<b>MAP application layer security</b>	SEC1-MAPAL	2	NA	Yes	WG SA3	TSG	22-Feb-00	21-Dec-01	41%
446	2575	Network Domain Security; MAP application layer security	SEC1-NDS-MAP	3	Rel4	No	WG SA3	WG	4-Sep-00	30-Mar-01	100%
447	2576	Network Domain Security; IP network layer security (NDS/IP)	SEC1-NDS-IP	3	Rel5	No	WG SA3	WG	15-Jun-00	21-Dec-01	57%
448	1584	Main aspects	SEC1-MAPAL	3		No	WG SA3	WG	22-Feb-00	21-Sep-01	0%
449	2025	Other stage 3 aspects	SEC1-MAPAL	3		No	WG CN4	TSG	22-Feb-00	24-Nov-00	100%
450	1586	<b>Key management for core network security</b>	SEC1-KMCN	2		No	WG SA3	TSG	3-Jan-00	22-Jun-01	0%
451	1594	<b>Visibility and Configurability of security</b>	SEC1-VCS	2	Rel4	No	WG SA3	TSG	3-Jan-00	15-Jun-01	0%

452	1595	<b>FIGS</b>	SEC1-FIGS	2	Rel5	No	WG SA3		3-Jan-00	22-Jun-01	0%
453	2026	<b>Enhanced HE control of security (including positive authentication reporting)</b>		2	Rel6	No	WG SA3		3-Jan-00	14-Jun-02	0%
454	2027	Stage 2		3		No	WG SA3		3-Jan-01	14-Jun-02	0%
455	2028	FS on Network impacts		3		No	WG CN4		3-Jan-00	4-Jan-00	0%
456	1861	<a href="#">Miscellaneous UE Conformance Testing Activities</a>	MISTST1	1	NA	Yes	WG T1		1-Jan-01	27-Dec-02	0%
457	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	MISTST1-OpFDD	2		No	WG T1	WG	1-Jan-01	29-Mar-02	0%
458	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	MISTST1-OpTDD	2		No	WG T1	WG	1-Jan-01	29-Mar-02	0%
459	1907	<b>Extensions to R99 Test cases</b>	MISTST1-Ext	2		No	WG T1	WG	2-Apr-01	29-Mar-02	0%
460	2564	<b>Extension to R99 Test cases - TTCN</b>	MISTST1-Ext	2		No	WG T1	WG	27-Sep-02	27-Sep-02	0%
461	2565	<b>Creation of R99 TCs for TDD - prose</b>	MISTST1-TDD	2		No	WG T1	WG	28-Jun-02	28-Jun-02	0%
462	2566	<b>Creation of R99 TCs for TDD - TTCN</b>	MISTST1-TDD	2		No	WG T1	WG	27-Dec-02	27-Dec-02	0%
463	1908	<b>Review all other work items for impact on new or exiting 34 series specs.</b>	MISTST1	2		No	WG T1		2-Jul-01	29-Mar-02	0%
464	1909	<b>Additional signalling tests to cover VHE, OSA, MExE, W/B Telephony AMR &amp; TrFO</b>	MISTST1	2		No	WG T1		1-Jan-01	28-Sep-01	0%
465	1365	<a href="#">Support of Push Services</a>	PUSH	1	Rel5	No	WG SA2	TSG	12-May-00	22-Jun-01	45%
466	1142	<a href="#">Charging and OAM&amp;P (Master)</a>	OAM	1	Rel4/5	No	WG SA5	TSG	1-Dec-00	14-Mar-02	74%
467	2089	<b>Principles, high level Requirements and Architecture (AR/PR) (Master)</b>	OAM-AR/PR	2	Rel4	No	WG SA5	TSG	1-Dec-00	21-Jun-01	100%
468	2088	<b>Performance Management (PM) (Master)</b>	OAM-PM	2	Rel4	No	WG SA5	TSG	1-Dec-00	21-Jun-01	85%
469	2081	<b>Fault Management (FM) (Master)</b>	OAM-FM	2	Rel4	No	WG SA5	TSG	1-Dec-00	21-Jun-01	95%
470	2082	<b>Configuration Management (CM) (Master)</b>	OAM-CM	2	Rel4	No	WG SA5	TSG	1-Dec-00	21-Jun-01	100%
471	2242	<b>Charging Management for IMS (Master)</b>	OAM-CH/IP	2	Rel5	No	WG SA5	TSG	1-Dec-00	14-Mar-02	35%
472	2083	<b>Charging Management (CH) (Master)</b>	OAM-CH	2	Rel4	No	WG SA5	TSG	1-Dec-00	21-Jun-01	80%
473	2062	<a href="#">Subscription Management</a>	SM	1	Rel5	No	WG SA5	TSG	29-Dec-00	21-Jun-01	40%
474	2071	<a href="#">UTRAN Operations and Maintenance procedures</a>	UOAM	1	Rel4	No	WG SA5	TSG	1-Dec-00	21-Jun-01	100%

475	1993	small Technical Enhancements and Improvements for Rel4	TEI4	1	Rel4	No	Generic	TSG	3-Jan-00	30-Mar-01	0%
476	2230	Advanced Speech Call Items enhancements_REL-4	ASCI	1	Rel4	No	WG CN1	TSG	3-Dec-00	14-Mar-02	23%
477	2232	Stage 2	ASCI	2		No	WG CN4	WG	3-Dec-00	14-Mar-02	4%
478	2231	Stages 2 and 3 on A interface	ASCI	2		No	WG CN1	WG	3-Dec-00	23-Mar-01	100%
479	2243	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	MULCN	1	Rel5	No	WG SA2	TSG	2-Oct-00	12-Dec-01	17%
480	2244	Overall System Architecture	MULCN	2		No	WG SA2	TSG	3-Jan-01	1-Jun-01	72%
481	2245	RAN work	MULCN	2		No	WG RAN3	TSG	12-Mar-01	18-Jun-01	21%
482	2246	GERAN work	MULCN	2		No	WG GERAN2	TSG	12-Mar-01	18-Jun-01	0%
483	2247	CN work	MULCN	2		No	WG CN1	TSG	2-Oct-00	12-Dec-01	11%
484	2248	N1 work	MULCN	3		No	WG CN1	TSG	13-Feb-01	12-Dec-01	0%
485	2249	N4 work	MULCN	3		No	WG CN4	TSG	2-Oct-00	12-Dec-01	18%
486	2310	GERAN improvements 1	GEIMP1	1	Rel4	No	TSG GERAN	TSG	9-May-00	19-Mar-01	100%
487	2311	Gb over IP (Ip-fication of Gb)	GbIP	2		No	TSG GERAN	TSG	9-May-00	19-Mar-01	100%
488	2312	Concept		3		No	TSG GERAN	TSG	9-May-00	10-Nov-00	100%
489	2313	Changes to 08.16, 08.18		3		No	TSG GERAN	TSG	9-May-00	19-Mar-01	100%
490	2314	GERAN improvements 2	GEIMP2	1	Rel4	No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	81%
491	2315	Gb enhancements	Gben	2		No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	78%
492	2316	NACC (network Assisted Cell Change)		3		No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	74%
493	2420	Concept		4		No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	80%
494	2317	Changes in 03.64		4		No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	80%
495	2318	Changes in 04.60		4		No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	80%

496	2319	Changes in 44.008		4		No	TSG GERAN	TSG	6-Nov-00	2-Apr-01	80%
497	2320	<a href="#">GERAN improvements 3</a>	GEIMP3	1	Rel5	No	TSG GERAN	TSG	6-Nov-00	1-Jun-01	0%
498	2321	<b>Evolution of the transport for A</b>	EtA	2		No	TSG GERAN	TSG	6-Nov-00	1-Jun-01	0%
499	2322	Definition of a new A interface Transport Layer option based on the lu Interface Transport Layer		3		No	TSG GERAN	TSG	6-Nov-00	1-Jun-01	0%
500	2323	Adaptation of the Layer 3 BSSMAP procedures as required		3		No	TSG GERAN	TSG	6-Nov-00	1-Jun-01	0%
501	2324	<a href="#">GERAN improvements 4</a>		1	Rel4	No	TSG GERAN	TSG	15-Jan-01	6-Apr-01	0%
502	2325	<b>Gb enhancements 2</b>		2		No	TSG GERAN	TSG	15-Jan-01	6-Apr-01	0%
503	2429	stage 2		3		No	TSG GERAN		15-Jan-01	6-Apr-01	0%
504	2421	Stage 3 (changes in 44.060)		3		No	WG GERAN2	TSG	15-Jan-01	6-Apr-01	0%
505	2327	Definition of enhanced countdown procedure		4		No	WG GERAN2	TSG	15-Jan-01	6-Apr-01	0%
506	2328	Definition of enhanced TBF release procedure		4		No	WG GERAN2	TSG	15-Jan-01	6-Apr-01	0%
507	2329	Definition of USF=FREE type polling mechanism on PDCH		4		No	WG GERAN2	TSG	15-Jan-01	6-Apr-01	0%
508	2330	<a href="#">GERAN support for IP multimedia</a>		1	Rel5	No	TSG GERAN	TSG	1-May-00	7-Dec-01	33%
509	2331	<b>GERAN Header adaptation</b>		2		No	TSG GERAN	TSG	1-May-00	8-Jun-01	53%
510	2332	Definition of compression and removal modes for PDCP protocol		3		No	TSG GERAN	TSG	1-May-00	10-Nov-00	100%
511	2333	Conceptual description in stage 2		3		No	TSG GERAN	TSG	1-May-00	8-Jun-01	74%
512	2334	Necessary changes on stage 3 regarding header removal		3		No	TSG GERAN	TSG	6-Nov-00	7-Jun-01	10%
513	2335	<b>GERAN Radio access bearer design for IP multimedia</b>		2		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	29%
514	2422	MuM control signalling for conversational multimedia services		3		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	27%
515	2431	Identification of requirements		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%



516	2337	Necessary modifications due to SIP		4		No	TSG GERAN	TSG	12-Feb-01	1-Jun-01	0%
517	2338	<b>Physical layer multiplexing</b>		2		No	TSG GERAN	TSG	1-Sep-00	8-Jun-01	38%
518	2339	Stage 2		3		No	TSG GERAN	TSG	1-Sep-00	8-Jun-01	38%
519	2432	Stage 3		3		No	TSG GERAN	TSG	1-Sep-00	8-Jun-01	38%
520	2341	<b>GERAN MS Conformance test for support of IP multimedia</b>		2		No	TSG GERAN	TSG	11-Jun-01	7-Dec-01	0%
521	2342	MS test		3		No	WG GERAN4	TSG	11-Jun-01	7-Dec-01	0%
522	2343	<b>GERAN BTS Conformance test for support of IP multimedia</b>		2		No	TSG GERAN	TSG	11-Jun-01	7-Dec-01	0%
523	2344	BTS test		3		No	WG GERAN3	TSG	11-Jun-01	7-Dec-01	0%
524	2345	<a href="#">Alignment of 3G functional split and lu</a>		1	Rel5	No	TSG GERAN	TSG	7-Aug-00	7-Dec-01	32%
525	2346	<b>GERAN user / control plane</b>		2		No	TSG GERAN	TSG	7-Aug-00	8-Jun-01	58%
526	2347	Alignment with UMTS bearer concept		3		No	TSG GERAN	TSG	7-Aug-00	8-Jun-01	63%
527	2423	Stage 2		4		No	TSG GERAN	TSG	7-Aug-00	6-Apr-01	80%
528	2348	Adoption of the UTRAN PDCP		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	80%
529	2349	Development of RLC / MAC		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%
530	2350	Development of GERAN RR		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%
531	2351	Ciphering and integrity protection		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%
532	2352	Logical and physical channel realization TCH, PDTCH, control channels) 45.002		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%
533	2353	Use of stealing bits		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%
534	2354	Fast access		4		No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	50%
535	2355	Fast power control		4		No	TSG	TSG	6-Nov-00	8-Jun-01	50%

							GERAN				
536	2424	Physical layer alignment with UMTS bearer concept		3	No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	48%	
537	2356	PDTCH/TCH in 45.003		4	No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	53%	
538	2357	Control channels in 45.003		4	No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	85%	
539	2358	Receiver performance in 45.005 for PDTCH/TCH and control channels		4	No	TSG GERAN	TSG	6-Nov-00	8-Jun-01	0%	
540	2359	<b>lu rg interface</b>		2	No	TSG GERAN	TSG	6-Nov-00	1-Jun-01	23%	
541	2425	Inter BSS interface		3	No	TSG GERAN		6-Nov-00	1-Jun-01	23%	
542	2360	Identification of requirements		4	No	TSG GERAN		6-Nov-00	19-Jan-01	100%	
543	2361	Stage 2		4	No	TSG GERAN		6-Nov-00	13-Apr-01	75%	
544	2362	Adoption of relevant parts from lur		4	No	TSG GERAN		6-Nov-00	1-Jun-01	0%	
545	2363	Complementation with GERAN specifics		4	No	TSG GERAN		6-Nov-00	1-Jun-01	0%	
546	2364	New stage 3		4	No	TSG GERAN		6-Nov-00	1-Jun-01	0%	
547	2426	Inter BSS-RNS interface		3	No	TSG GERAN		6-Nov-00	1-Jun-01	23%	
548	2365	Identification of requirements		4	No	TSG GERAN		6-Nov-00	19-Jan-01	100%	
549	2366	Stage 2		4	No	TSG GERAN		6-Nov-00	13-Apr-01	75%	
550	2367	Adoption of relevant parts from lur		4	No	TSG GERAN		6-Nov-00	1-Jun-01	0%	
551	2368	Complementation with GERAN specifics		4	No	TSG GERAN		6-Nov-00	1-Jun-01	0%	
552	2369	New stage 3		4	No	TSG GERAN		6-Nov-00	1-Jun-01	0%	
553	2370	<b>Voice over GERAN PS and CS concept</b>		2	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
554	2371	Architecture for A, lu cs and lu ps		3	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
555	2372	Transcoder position/operation		3	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
556	2373	Handover		3	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
557	2374	RTP payload		3	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
558	2375	FPC		3	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
559	2376	LA		3	No	TSG GERAN		6-Nov-00	13-Apr-01	50%	
560	2377	<b>GERAN Narrowband speech realization</b>		2	No	TSG GERAN		6-Nov-00	8-Jun-01	8%	
561	2427	8-PSK NB HR		3	No	TSG GERAN		6-Nov-00	8-Jun-01	4%	
562	2378	Channel coding in 45.003		4	No	TSG GERAN		6-Nov-00	13-Apr-01	25%	
563	2379	Signalling for A interface		4	No	TSG GERAN		6-Nov-00	8-Jun-01	0%	

564	2380	Signalling for lu		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
565	2381	Link adaptation in 45.009		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
566	2382	Receiver performance in 45.005		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
567	2428	8-PSK NB QR		3		No	TSG GERAN	6-Nov-00	8-Jun-01	13%
568	2383	Channel coding in 45.003		4		No	TSG GERAN	6-Nov-00	13-Apr-01	25%
569	2384	Signalling for A interface		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
570	2385	Signalling for lu		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
571	2386	Link adaptation in 45.009		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
572	2387	Receiver performance in 45.005		4		No	TSG GERAN	6-Nov-00	8-Jun-01	0%
573	2388	<b>GERAN MS Conformance test for GERAN interface evolution</b>		2		No	TSG GERAN	11-Jun-01	7-Dec-01	0%
574	2389	MS test		3		No	TSG GERAN	11-Jun-01	7-Dec-01	0%
575	2390	<b>GERAN MS Conformance test for GERAN interface evolution</b>		2		No	TSG GERAN	11-Jun-01	7-Dec-01	0%
576	2391	BSS test		3		No	TSG GERAN	11-Jun-01	7-Dec-01	0%
577	2392	GERAN enhancements for streaming services 1		1	Rel5	No	TSG GERAN	6-Nov-00	1-Jun-01	43%
578	2393	<b>GERAN enhancements for streaming services 1</b>		2		No	TSG GERAN	6-Nov-00	1-Jun-01	43%
579	2394	Concept		3		No	TSG GERAN	6-Nov-00	6-Apr-01	75%
580	2395	RLC protocol enhancement		3		No	TSG GERAN	6-Nov-00	1-Jun-01	20%
581	2396	GERAN enhancements for streaming services 2		1	Rel5	No	TSG GERAN	6-Nov-00	1-Jun-01	20%
582	2397	<b>GERAN enhancements for streaming services 2</b>		2		No	TSG GERAN	6-Nov-00	1-Jun-01	24%
583	2398	Usage of ECSD		3		No	TSG GERAN	6-Nov-00	6-Apr-01	75%
584	2399	Stage 2		3		No	TSG GERAN	6-Nov-00	1-Jun-01	20%
585	2400	Stage 3		3		No	TSG GERAN	6-Nov-00	1-Jun-01	20%
586	2401	RLC PDU formats		3		No	TSG GERAN	6-Nov-00	1-Jun-01	20%
587	2402	MAC header		3		No	TSG GERAN	6-Nov-00	1-Jun-01	20%
588	2403	700 MHz spectrum support		1	Rel4	No	TSG GERAN	3-Jan-00	8-Jun-01	66%
589	2404	<b>GERAN support for the 700 MHz band</b>		2		No	TSG GERAN	3-Jan-00	19-Jan-01	100%
590	2405	Signalling support		3		No	TSG GERAN	3-Jan-00	19-Jan-01	100%
591	2406	Physical layer definitions		3		No	TSG GERAN	3-Jan-00	19-Jan-01	100%
592	2407	Receiver performance and RF budget		3		No	TSG GERAN	3-Jan-00	19-Jan-01	100%
593	2408	<b>GERAN MS Conformance test for 700 MHz band</b>		2		No	TSG GERAN	2-Apr-01	8-Jun-01	0%

594	2409	MS test		3		No	TSG GERAN	2-Apr-01	8-Jun-01	0%	
595	2410	<b>GERAN BTS Conformance test for 700 MHz band</b>		2		No	TSG GERAN	2-Apr-01	8-Jun-01	0%	
596	2411	BTS test		3		No	TSG GERAN	2-Apr-01	8-Jun-01	0%	
597	2412	<a href="#">GERAN/UTRAN interface evolution 1</a>		1	Rel5	No	TSG GERAN	6-Nov-00	8-Jun-01	53%	
598	2413	<b>Evolution of lu ps</b>		2		No	TSG GERAN	6-Nov-00	8-Jun-01	53%	
599	2414	Identification of GERAN requirements on lu ps		3		No	TSG GERAN	6-Nov-00	6-Apr-01	75%	
600	2415	Update of specifications		3		No	TSG GERAN	9-Apr-01	8-Jun-01	0%	
601	2416	<a href="#">GERAN/UTRAN interface evolution 2</a>		1	Rel5	No	TSG GERAN	6-Nov-00	8-Jun-01	53%	
602	2417	<b>Evolution of lu cs</b>		2		No	TSG GERAN	6-Nov-00	8-Jun-01	53%	
603	2418	Identification of GERAN requirements on lu cs		3		No	TSG GERAN	6-Nov-00	6-Apr-01	75%	
604	2419	Update of specifications		3		No	TSG GERAN	9-Apr-01	8-Jun-01	0%	
605	2463	<a href="#">Operator Determined Barring for Packet Oriented Services</a>	ODB	1	Rel4	No	TSG CN	TSG	1-Jun-00	19-Mar-01	100%
606	2499	<a href="#">Support of Presence Capability</a>	PRESNC	1	Rel5	No	WG SA1	TSG	19-Mar-01	19-Mar-02	0%
607	2501	<b>Stage 1</b>		2		No	WG SA1		19-Mar-01	18-Jul-01	0%
608	2502	<b>Stage 2</b>		2		No	WG SA2		12-Sep-01	19-Mar-02	0%
609	2503	<b>Stage 3</b>		2		No	TSG CN		3-Sep-01	20-Dec-01	0%
610	2504	Security issues		3		No	WG SA3		3-Sep-01	20-Dec-01	0%
611	2505	USIM issues		3		No	WG T3		3-Sep-01	20-Dec-01	0%
612	2506	UE issues		3		No	WG T2		3-Sep-01	20-Dec-01	0%
613	2507	<a href="#">Display of Service Provider name on UE</a>	SPNAME	1	Rel5	No	WG SA1	TSG	25-Dec-00	20-Dec-01	15%
614	2508	<b>Stage 1</b>		2		No	WG SA1		25-Dec-00	25-Apr-01	80%
615	2509	<b>Stage 2</b>		2		No	WG SA2		26-Apr-01	24-Aug-01	0%
616	2510	<b>Stage 3</b>		2		No	TSG CN		3-Sep-01	20-Dec-01	0%
617	2511	Security issues		3		No	WG SA3		3-Sep-01	20-Dec-01	0%
618	2512	USIM issues		3		No	WG T3		3-Sep-01	20-Dec-01	0%
619	2513	UE issues		3		No	WG T2		3-Sep-01	20-Dec-01	0%
620	2520	<a href="#">User Equipment Management</a>	UEM	1	Rel5	No	WG SA5	WG	25-Jun-01	28-Jun-02	0%

621	2527	Emergency calls without UICC/SIM in netw. with IMS		1	Rel5	No	WG SA2		30-May-01	28-Mar-02	0%
622	2528	Stage 3 work for CN1		2		No	WG CN1		30-May-01	28-Mar-02	0%
623	2542	Streaming Service	STRM	1		No	WG SA1		11-May-01	1-Apr-02	15%
624	2543	Stage 1		2		No	WG SA1		11-May-01	1-Apr-02	15%
625	2544	Broadcast/Multicast MM	BMMM	1		No	WG SA1		11-May-01	1-Apr-02	8%
626	2545	Stage 1		2		No	WG SA1		11-May-01	1-Apr-02	15%
627	2546	UMTS QoS Architecture for PS Domain	QoSPS	1	Rel4	No	WG SA2	WG	3-Jan-00	1-Jun-01	43%
628	2547	Requirements		2		No	WG SA1		3-Mar-00	2-Jun-00	0%
629	2548	Architecture		2		No	WG SA2		5-Jun-00	3-Jan-01	100%
630	1624	Security aspects		2		No	WG SA3		2-Jun-00	29-Dec-00	0%
631	2550	Charging and QoS Management		2		No	WG SA5		3-Jan-01	23-Mar-01	0%
632	2551	IE for QoS PS Domain		2		No	WG CN1		3-Jan-01	23-Mar-01	0%
633	2552	Interwork with External Networks		2		No	WG CN3		3-Jan-01	23-Mar-01	0%
634	1681	RAB Quality of Service (re)Negotiation over Iu	QoSPS- MAPEND- RABQoS	2		No	WG RAN3	TSG	21-Aug-00	23-Mar-01	69%
635	1991	RAB Quality of Service Negotiation over Iu	QoSPS- MAPEND- RABQoS- Negot	3		No	WG RAN3	TSG	21-Aug-00	23-Mar-01	100%
636	2456	RAB Quality of Service Negotiation over Iu during relocation	QoSPS- MAPEND- RABQoS- NegotReloc	3		No	WG RAN3		2-Mar-01	23-Mar-01	100%
637	1992	RAB Quality of Service Re-Negotiation over Iu	QoSPS- MAPEND- RABQoS- ReNegot	3		No	WG RAN3	TSG	25-Sep-00	23-Mar-01	100%
638	1553	GERAN QoS Aspects - Handovers: maintenance of real-time QoS while moving between cells in the PLMN including inter-SGSN and SRNS relocation or possibly other mechanisms	GERQoS	2		No	TSG GERAN		3-Jan-00	1-Jun-01	34%
639	2306	Handover for the PS domain		3		No	TSG GERAN		3-Jan-00	1-Jun-01	30%
640	2309	Stable RT handover report 25.936 including header removal		4		No	TSG GERAN		3-Jan-00	19-Jan-00	100%

641	2307	Update of stage 2		4		No	TSG GERAN		3-Jan-00	13-Feb-01	100%
642	2308	Update of relevant stage 3 specs		4		No	TSG GERAN		3-Jan-00	1-Jun-01	0%
643	1685	<b>PS-domain handover for real-time services</b>	QoSPS-PSdoRTS	2		No	WG RAN3	TSG	28-Aug-00	30-Mar-01	100%
644	2554	<b>RAB QoS Renegotiation at Relocation</b>		2		No	WG RAN4		3-Jan-01	23-Mar-01	0%
645	2556	<b>End to End QoS for PS Domain (including IMS)</b>	E2EQoS	1	Rel5	No	WG SA2	WG	3-Jan-01	18-Dec-01	18%
646	2557	<b>E2E QoS Concept and Architecture</b>		2		No	WG SA2	WG	3-Jan-01	22-Jun-01	80%
647	2558	<b>E2E QoS interworking</b>		2		No	WG CN3		5-Mar-01	18-Dec-01	0%
648	2559	<b>QoS Management (Provisioning and Monitoring)</b>		2		No	WG SA5		5-Mar-01	18-Dec-01	0%
649	2569	<b>Messaging enhancements Rel-5</b>	MESS5	1	Rel5	No	WG T2	WG	22-Feb-00	12-Dec-01	16%
650	2570	<b>Definition of service requirements</b>	MMS	2		No	WG SA1		22-Feb-00	31-May-00	0%
651	2571	<b>Multimedia Messaging (MMS) enhancements</b>	MESS5-MMS	2	Rel5	No	WG T2	WG	14-May-01	12-Dec-01	20%
652	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>	MESS5-EMS	2	Rel5	No	WG T2	WG	14-May-01	12-Dec-01	20%