

# 3GPP Work Plan – Cover page

Version 2002, July 31<sup>st</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 June 21<sup>st</sup> and July 31<sup>st</sup>***

Inputs have been received from S4 and GERAN.

In addition, the complete Work Plan has been restructured: to increase the readability, all the Rel-5 features have been moved at the end of the Plan. The content of Rel-5 was decided at SA#16.

### ***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).

A "Tracking Gantt" is used (since version 2001, July the 11<sup>th</sup>) instead of the "simple" Gantt used before. This means that below each Gantt line (horizontal blue line in the right part of the document), there is a thin horizontal black line showing the previously foreseen start and end dates. This enables tracking the slipping of dates. This is reset after each plenary.

### **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-splitable features. If the feature is splitable, it applies to each individual Building Block composing the feature, provided that the Building Blocks are non-splitable. It does not apply to Feasibility Studies, Testing nor Charging Activities.
4. Splitable: 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 below. 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 below- 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.

ID	Unique_I	Name	Release	Resource Na	Acronym	, 2002		Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003			Qtr 2, 2003		
						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	2044	<b>VERSION 2002 July 31st</b>	Rel																
2	1462	<b>"CTRL + a" to display all the 3GPP fields</b>																	
3	2058	<b>Content of Rel4 and Rel5 frozen. Rel6 and after not froze</b>	Rel																
4	0		Rel																
5	96																		
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	TSG RAN	ETRAN														
7	4	<b>Evolutions of the transport in the CN</b>	NA	WG CN4	CNTRSP														
8	1216	<b>Improvements of Radio Interface</b>	NA	TSG RAN	RInImp														
9	1217	<b>Hybrid ARQ II/III</b>		WG RAN2	RInImp-HARQ														
10	1218	<b>Improved usage of downlink resource in FDD for CCTrCHs of dedic</b>		WG RAN2	RInImp-CCTrCH														
11	1507	<b>Terminal Power Saving features</b>		WG RAN2	RInImp-TPS														
12	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel6	WG RAN1	RInImp-MIMO														
13	24003	<b>FS for the viable deployment of UTRA in additional and diverse sp</b>	Rel6	WG RAN4	RInImp-UMTSBands														
14	24004	<b>Improving Receiver Performance Requirements for the FDD UE</b>	Rel6	WG RAN4	RInImp-UERecPerf														
15	24005	<b>FS on UE antenna efficiency test methods performance requirem</b>	Rel6	WG RAN4	RInImp-UEAnTM2														
16	9	<b>RAN improvements</b>	NA	TSG RAN	RANImp														
17	624	<b>RAB support enhancement</b>		WG RAN2	RANImp-RABSE														
18	23005	<b>Improvement of RRM across RNS and RNS/BSS</b>	Rel6	WG RAN3	RRM1														
19	1652	<b>Emergency call enhancements</b>	Rel6	WG CN1	EMC1														
20	1653	<b>For IP &amp; PS based calls</b>	Rel6	WG CN1	EMC1-PS														
21	1314	Service Requirements for IP-based emergency calls		WG SA1	EMC1-PS														
22	1315	SIP emergency calls and packet emergency calls signalling flows		WG CN1	EMC1-PS														
23	1316	Stage 2 for emergency calls and packet emergency calls in general		WG SA2	EMC1-PS														
24	1317	Distinction of emergency call types to different emergency services		WG CN1	EMC1-PS														
25	1646	Stage 3 for emergency calls and packet emergency calls in general		WG CN1	EMC1-PS														
26	2224	Conformance Test Aspects - Emergency call enhancements		WG T1															
27	2225	Testing Stage 3 for emergency calls and packet emergency calls in gener		WG T1															
28	1637	<b>OSA enhancements</b>	NA	WG SA1	OSA1														
29	1433	<b>Retrieval of Terminal capabilities</b>	Rel6	WG SA2	OSA1-TC														

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30	1434	Stage 1		WG SA1	OSA1-TC														
31	1436	Stages 2 and 3		WG CN5	OSA1-TC	[Blue bar from May 2002 to Dec 2002]													
32	2122	Provisioning of the terminal capabilities		WG T2	OSA1-TC														
33	15005	<b>Policy Management - Stage 3</b>	Rel6	WG CN5	OSA2	[Blue bar]													
34	15006	<b>Presence and Availability Management (PAM) - Stage 3</b>	Rel6	WG CN5	OSA2	[Blue bar]													
35	2538	<b>Interaction with other features</b>	NA	WG SA1															
36	2539	Access to Presence information	Rel6	WG SA1	OSA1-PI														
37	2540	Access to User Profile	Rel6	WG SA1	OSA1-UP														
38	2541	Policy Management	Rel6	WG SA1	OSA1-PM														
39	1826	<b>Terminal interfaces</b>	NA	WG T2	TI														
40	32023	<b>Location Services enhancements 2</b>	Rel6	WG SA2	LCS2	[Grey bar from May 2002 to Mar 2003]													
41	32024	<b>Improvement on Le interface</b>		WG SA2				[Blue bar]											
42	32001	<b>Enhanced support for user privacy and subscriber data handling</b>		WG SA2		[Blue bar from May 2002 to Dec 2002]													
43	32025	<b>Enhanced inter-GMLC interface</b>		WG SA2				[Blue bar]											
44	32012	<b>Support of the Presence Service Architecture</b>		WG SA2				[Blue bar]											
45	32026	<b>New events for triggered location reports</b>		WG SA2				[Blue bar]											
46	2475	<b>Open SMLC-SRNC Interface within the UTRAN to support UTRAN R</b>	Rel6	WG RAN2	LCS-Rel4Pos														
47	2127	Stage 2		WG SA2															
48	1800	<b>(U)SIM toolkit enhancements</b>	NA	WG T3	USAT1	[Black bar from May 2002 to Sep 2002]													
49	1802	<b>UICC API</b>	NA	WG T3	USAT1-API	[Black bar from May 2002 to Sep 2002]													
50	43001	Java API Test specification		WG T3		[Blue bar from May 2002 to Sep 2002]													
51	1571	<b>Security enhancements</b>	NA	WG SA3	SEC1	[Grey bar from May 2002 to Dec 2002]													
52	2026	<b>Enhanced HE control of security (including positive authentication)</b>	Rel6	WG SA3		[Grey bar]													
53	2027	Stage 2		WG SA3		[Blue bar]													
54	2028	FS on Network impacts		WG CN4		[Blue bar]													
55	33003	<b>Rel-6 MAP application layer security</b>	Rel6	WG SA3	SEC1-MAPAL	[Grey bar from May 2002 to Dec 2002]													
56	33004	Main aspects		WG SA3	SEC1-MAPAL	[Blue bar]													
57	33005	STAGE 3 for KEY distribution		WG CN4	SEC1-MAPAL	[Blue bar from May 2002 to Dec 2002]													
58	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA	WG T1	MISTST1	[Grey bar from May 2002 to Mar 2003]													

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59	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	Rel6	WG T1	MISTST1-OpFDD														
60	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	Rel6	WG T1	MISTST1-OpTDD														
61	1907	<b>Extensions to R99 Test cases</b>		WG T1	MISTST1-Ext														
62	2564	<b>Extension to R99 Test cases - TTCN</b>		WG T1	MISTST1-Ext														
63	2565	<b>Creation of R99 TCs for TDD - prose</b>		WG T1	MISTST1-TDD														
64	2566	<b>Creation of R99 TCs for TDD - TTCN</b>		WG T1	MISTST1-TDD														
65	1908	<b>Review all other work items for impact on new or exiting 34 serie</b>		WG T1	MISTST1														
66	<b>32021</b>	<b>IMS Phase 2</b>	Rel6	WG SA1															
67	32015	<b>Radio optimisation impacts on PS domain architecture</b>	Rel6	WG SA2															
68	<b>2048</b>	<b>Interworking between IMS and IP networks</b>	Rel6	WG CN3	IMS-CCR-IWIP														
69	13004	Interworking for 3GPP_SIP and IETF_SIP		WG CN3															
70	13005	Interworking for IPv6 to IPv4		WG CN3															
71	<b>2047</b>	<b>Interworking between IMS and CS networks</b>	Rel6	WG CN3	IMS-CCR-IWCS														
72	13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)		WG CN3															
73	13003	ITU-T dependency on Q.2150.3 (SCTP)		WG CN3															
74	<b>32005</b>	<b>IMS Local services</b>	Rel6	WG SA2															
75	32019	Stage 2		WG SA2															
76	<b>13011</b>	<b>Mm interface (CSCF to external IP multimedia network)</b>	Rel6	WG CN3															
77	11017	CN1 part		WG CN1															
78	13012	CN3 part		WG CN3															
79	<b>13013</b>	<b>Mg interface (BGCF to MGCF - interworking with CS)</b>	Rel6	WG CN3															
80	14002	Mg interface (BGCF to MGCF - interworking with CS)	Rel6	WG CN1															
81	13014	CN3 part		WG CN3															
82	14001	<b>Mc interface (IM-MGW to MGCF) enhancements</b>	Rel6	WG CN4															
83	<b>31022</b>	<b>IMS Messaging</b>	Rel6	WG SA1	IMSM														
84	31023	TR on support of messaging in the IMS		WG SA1	IMSM-TR														
85	31024	CRs to existing 22-series specifications		WG SA1	IMSM-CR														
86	<b>31025</b>	<b>IMS Group Management</b>	Rel6	WG SA1	IMSGM														
87	31026	TS on IMS group management		WG SA1	IMSM-TR														

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88	1365	<b>Support of Push Services</b>	Rel6	WG SA1	PUSH														
89	31004	Stage 1		WG SA1															
90	32000	TR on feasibility study		WG SA2															
91	42005	<b>Rel-6 MExE enhancements</b>	Rel6	WG T2	MEXE6														
92	42006	MExE Rel-6 Improvements and Investigations		WG T2	MEXE6-ENHANC														
93	42007	MExE Run-Time Independent Framework Feasibility Study		WG T2	MEXE6-RTIF														
94	1142	<b>Charging and OAM&amp;P</b>	NA	WG SA5	OAM														
95	2062	<b>Subscription Management</b>	Rel6	WG SA5	SM														
96	2330	<b>GERAN support for IMS</b>	TBD	TSG GERAN	GERIMS														
97	2331	GERAN Header adaptation		A2;TSG RAN	GERIMS-HEADAPT														
98	2332	Definition of compression and removal modes for PDCP protocol		A2;TSG RAN															
99	2333	Conceptual description in stage 2		A2;TSG RAN															
100	2334	Necessary changes on stage 3 regarding header removal		A2;TSG RAN															
101	2335	<b>GERAN Radio access bearer design for IMS</b>		A2;TSG RAN	GERIMS-RABDES														
102	2422	MuM control signalling for conversational multimedia services		A2;TSG RAN															
103	2431	Identification of requirements		A2;TSG RAN															
104	2337	Necessary modifications due to SIP		A2;TSG RAN															
105	2338	<b>Physical layer multiplexing</b>		TSG GERAN															
106	2339	Stage 2		TSG GERAN															
107	2432	Stage 3		TSG GERAN															
108	2341	<b>GERAN MS Conformance test for support of IMS</b>		TSG GERAN	GERIMS-MSconf														
109	2342	MS test		WG GERAN4															
110	2343	<b>GERAN BTS Conformance test for support of IMS</b>		TSG GERAN	GERIMS-BTScnf														
111	2344	BTS test		WG GERAN3															
112	2345	<b>Alignment of 3G functional split and lu</b>	TBD	TSG GERAN	GER3GAL														
113	2346	GERAN user / control plane		TSG GERAN	GER3GAL-GUCOPL														
114	2347	Alignment with UMTS bearer concept		TSG GERAN															
115	50300	Enhanced power control		TSG GERAN															
116	2423	Stage 2		TSG GERAN															



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117	2348	Adoption of the UTRAN PDCP		TSG GERAN															
118	50043	Development of RLC / MAC		TSG GERAN															
119	50044	Development of GERAN RRC		TSG GERAN															
120	50045	Ciphering and integrity protection concept paper		TSG GERAN															
121	50046	Multiple TBF or equivalent Concept paper		TSG GERAN															
122	50047	Paging concept		TSG GERAN															
123	50048	Dedicated Physical subchannels, includes traffic and control channel		TSG GERAN															
124	50049	Iu support and broadcast concept		TSG GERAN															
125	50050	Impact of using RLC instead of LAPDm concept		TSG GERAN															
126	50051	Contention resolution, mobile station identity, and access concept		TSG GERAN															
127	50052	PDCP concept		TSG GERAN															
128	50053	Downlink delayed TBF release		TSG GERAN															
129	50054	Add transparent RLC Concept		TSG GERAN															
130	50055	Handover concept		TSG GERAN															
131	2349	Development of RLC / MAC		WG GERAN2															
132	2350	Development of GERAN RRC		WG GERAN2															
133	2351	Ciphering and integrity protection Concept paper		WG GERAN2															
134	50302	Multiple TBF or equivalent Concept paper		WG GERAN2															
135	50303	Paging concept		WG GERAN2															
136	2352	Dedicated physical subchannels. Includes traffic and control channel		WG GERAN1															
137	2353	Iu support and broadcast concept		WG GERAN2															
138	2354	Impact of using RLC instead of LAPDm concept		WG GERAN2															
139	2355	Contention resolution, mobile station identity, and access concept		WG GERAN2															
140	50304	PDCP concept		WG GERAN2															
141	50305	Downlink delayed TBF release		WG GERAN2															
142	50306	Add transparent RLC Concept		WG GERAN2															
143	50307	Handover concept		WG GERAN2															
144	<b>2424</b>	Physical layer alignment with UMTS bearer concept		<b>TSG GERAN</b>															
145	2356	PDTCH/TCH in 45.003		TSG GERAN															

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146	2357	Control channels in 45.003		TSG GERAN															
147	2358	Receiver performance in 45.005 for PDTCH/TCH and control channe		TSG GERAN															
148	<b>2359</b>	<b>lu rg interface</b>		<b>AN;TSG RAN</b>	<b>GER3GAL-lurg</b>														
149	<b>2425</b>	Inter BSS interface		<b>AN;TSG RAN</b>															
150	2360	Identification of requirements		TSG GERAN															
151	2361	Stage 2		TSG GERAN															
152	2362	Adoption of relevant parts from lur		TSG GERAN															
153	2363	Complementation with GERAN specifics		TSG GERAN															
154	2364	New stage 3		TSG GERAN															
155	<b>2426</b>	Inter BSS-RNS interface		<b>AN;TSG RAN</b>															
156	2365	Identification of requirements		N;WG RAN3															
157	2366	Stage 2		N;WG RAN3															
158	2367	Adoption of relevant parts from lur		N;WG RAN3															
159	2368	Complementation with GERAN specifics		N;WG RAN3															
160	2369	New stage 3		N;WG RAN3															
161	<b>2370</b>	<b>Voice over GERAN PS and CS concept</b>		<b>N;WG RAN3</b>															
162	2371	Architecture for A, lu cs and lu ps		N;WG RAN3															
163	2372	Transcoder position/operation		TSG GERAN															
164	2373	Handover		N;WG RAN3															
165	2374	RTP payload		N;WG RAN3															
166	2375	Codec renegotiation concept		N;WG RAN3															
167	2376	LA		TSG GERAN															
168	<b>2377</b>	<b>GERAN Narrowband speech realization</b>		<b>TSG GERAN</b>															
169	<b>2427</b>	8-PSK NB HR		<b>WG GERAN1</b>															
170	2378	Channel coding in 45.003		VG GERAN1															
171	2379	Signalling for A interface		WG GERAN1															
172	2380	Signalling for lu		WG GERAN1															
173	2381	Link adaptation in 45.009		WG GERAN1															
174	2382	Receiver performance in 45.005		WG GERAN1															

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175	2428	8-PSK NB QR		TSG GERAN															
176	2383	Channel coding in 45.003		TSG GERAN															
177	2384	Signalling for A interface		TSG GERAN															
178	2385	Signalling for lu		TSG GERAN															
179	2386	Link adaptation in 45.009		TSG GERAN															
180	2387	Receiver performance in 45.005		TSG GERAN															
181	2388	<b>GERAN MS Conformance test for GERAN interface evolution</b>		TSG GERAN															
182	2389	MS test		TSG GERAN															
183	2390	<b>GERAN MS Conformance test for GERAN interface evolution</b>		TSG GERAN															
184	2391	BSS test		TSG GERAN															
185	2499	<b>Support of Presence Capability</b>	Rel6	WG SA1	PRESNC														
186	2501	<b>Stage 1</b>		WG SA1															
187	2502	<b>Stage 2</b>		WG SA2															
188	2503	<b>Stage 3</b>		WG CN1															
189	2504	<b>Security issues</b>		WG SA3															
190	2505	<b>USIM issues</b>		WG T3															
191	2506	<b>UE issues</b>		WG T2															
192	31028	<b>Presence Service Enhancements</b>	Rel6	WG SA1	PRES1														
193	2520	<b>User Equipment Management</b>	NA	WG SA5	UEM														
194	35000	<b>FS on User Equipment (UE) Management</b>	Rel5	WG SA5	OAM-UEM														
195	2527	<b>Emergency calls without UICC/SIM in netw. with IMS</b>	Rel6	WG SA2															
196	32014	<b>Stage 2</b>		WG SA2															
197	2528	<b>Stage 3 work for CN1</b>		WG CN1															
198	50056	<b>Enhanced A/Gb feasibility study</b>	TBD	TSG GERAN	AGbEnFS														
199	50057	<b>Performing a feasibility study on A/Gb enhancements</b>		WG GERAN2															
200	50058	<b>Multiple TBF in A/Gb mode</b>	Rel5	TSG GERAN	MULTBF														
201	50059	<b>Multiple TBF in A/Gb mode</b>		TSG GERAN	MULTBF-Agbmode														
202	50060	Multiple TBF Concept paper		TSG GERAN															
203	51001	Multiple TBF Stage 2 (43.064) CRs		WG GERAN1															

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204	50062	Multiple TBF Stage 2 (44.060) CRs		NG GERAN2															
205	50106	<b>Multiple TBF in A/Gb mode – MS testingGP-022098</b>		TSG GERAN															
206	54101	MS conformance tests		NG GERAN4															
207	50063	<b>Flexible Layer One for GERAN</b>	TBD	TSG GERAN	FLOGER														
208	50064	<b>Realisation of a Flexible Layer One</b>		TSG GERAN	FLOGER-Real														
209	50065	Concept Document		TSG GERAN															
210	51002	Architecture in 45.001 and 43.051		NG GERAN1															
211	51003	Multiplexing in 45.002		NG GERAN1															
212	51004	Channel Coding in 45.003		NG GERAN1															
213	51005	Performance Requirements in 45.005		NG GERAN1															
214	51006	Radio subsystem link control in 45.008		NG GERAN1															
215	52071	Requirements in 44.004		NG GERAN2															
216	52102	<b>Signalling and protocol support for a Flexible Layer One</b>		NG GERAN2	FLOGER-Sign														
217	52103	Modifications to RLC/MAC in 44.060 and 44.160		NG GERAN2															
218	52104	Modifications to RRC in 44.118 and 44.018		NG GERAN2															
219	33101	<b>Security for a Flexible Layer One</b>		WG SA3	FLOGER-Sec														
220	33102	Ciphering in 44.160,44.118, 44.060 and 44.018		WG SA3															
221	54104	<b>GERAN MS Conformance test for the Flexible Layer One</b>		NG GERAN4	FLOGER-MS														
222	54105	MS Test in 51.010		NG GERAN4															
223	53101	<b>GERAN BTS Conformance test for the Flexible Layer One</b>		NG GERAN3	FLOGER-BTS														
224	53102	BTS Test in 51.021		NG GERAN3															
225	52072	<b>Signalling and protocol support for a Flexible Layer One</b>		NG GERAN2	FLOGER-SigPro														
226	52073	Modifications to RLC/MAC in 44.060 and 44.160		NG GERAN2															
227	52074	Modifications to RRC in 44.118 and 44.018		NG GERAN2															
228	52075	<b>Security for a Flexible Layer One</b>		NG GERAN2	FLOGER-SecFLO														
229	52076	Ciphering in 44.160,44.118, 44.060 and 44.018		NG GERAN2															
230	55077	<b>GERAN MS Conformance test for the Flexible Layer One</b>		NG GERAN5	FLOGER-Msconf														
231	55078	MS Test in 51.010		NG GERAN5															
232	55079	<b>GERAN BTS Conformance test for the Flexible Layer One</b>		NG GERAN5	FLOGER-BTSconf														

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233	55080	BTS Test in 51.021		VG GERAN5															
234	50041	<b>Uplink TDOA feasibility study</b>	Rel6	TSG GERAN	TDOAF														
235	35009	<b>Trace Management</b>	Rel6	WG SA5	Trace Mg														
236	2544	<b>Multimedia Broadcast and Multicast Service</b>	Rel6	WG SA1	MBMS														
237	2545	Stage 1		WG SA1															
238	32002	Stage 2		WG SA2															
239	2481	Introduction of MBMS in RAN		WG RAN2															
240	11030	Support of the MBMS in CN protocols		WG CN1															
241	31006	<b>Speech Recognition and Speech Enabled Services</b>	Rel6	WG SA1	SRSES														
242	31007	Speech Enabled Services Based on Distributed Speech Recognitic		WG SA1	DSR														
243	32999	Stage 2 of DSR		WG SA2	DSR														
244	11021	SDP protocols extension to include DSR		WG CN1	DSR														
245	31008	<b>Generic User Profile</b>	Rel6	WG SA1	GUP														
246	31009	Stage 1 - Requirements		WG SA1	GUP														
247	42002	Stage 2 - Data description framework		WG T2	GUP														
248	32008	Stage 2 - Architecture		WG SA2	GUP														
249	42003	Stage 3 - Common objects		WG T2	GUP														
250	14008	Stage 3 - Network		WG CN4	GUP														
251	31010	<b>Digital Rights Management</b>	Rel6	WG SA1	DRM														
252	31011	Requirements		WG SA1	DRM														
253	32009	Architecture		WG SA2	DRM														
254	33001	Security		WG SA3	DRM														
255	34017	Codec Aspects		WG SA4	DRM														
256	42004	Terminal Aspects		WG T2	DRM														
257	31012	<b>FS on WLAN-UMTS Interworking</b>	Rel6	WG SA1	WLAN														
258	31020	Technical Report		WG SA1	WLAN-TR														
259	32018	WLAN Interworking – Architecture Definition		WG SA2	WLAN														
260	31015	<b>Priority Service</b>	Rel6	WG SA1	PRIOR														
261	31016	Feasibility Study		WG SA1	PRIOR-FS														

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262	31017	Stage 1 - Requirements		WG SA1	PRIOR-SR		!												
263	31018	Network Sharing	Rel6	WG SA1	NTShar														
264	31019	Technical Report		WG SA1	NTShar-TR														
265	31013	UE Functionality Split	Rel6	WG SA1	UESPLIT														
266	31021	Technical Report	Rel5	WG SA1	UESPLIT-TR		!												
267	32013	Stage 2		WG SA2															
268	32016	QoS Improvements	NA	WG SA2	QoS1														
269	32017	Dynamic Policy control enhancements for end-to-end QoS	Rel6	WG SA2	QoS1														
270	33002	Support for subscriber certificates	Rel6	WG SA3	SEC1-SC														
271	15010	Rel-6 OSA enhancements	Rel6	WG SA1	OSA3														
272	15011	Support of a Generic Network Interface Function (Stage 1&3)		WG CN5	OSA3														
273	15012	Local services (Stage 1&3)		WG CN5	OSA3														
274	15013	Support for MMS Relay/Server to VASP Connectivity (Stage 1&3)		WG CN5	OSA3														
275	15014	Support for the Push-Service (Stage 1&3)		WG CN5	OSA3														
276	15015	Enhanced User Notification (Stage 1&3)		WG CN5	OSA3														
277	15016	Support for GUP to enable applications access to the Users Profil		WG CN5	OSA3														
278	15017	Security		WG SA3	OSA3														
279	23004	Shared Network support in connected Mode	Rel6	WG RAN3	NETSHARE														
280	50101	Flow control supporting an MS with multiple data flows	TBD	TSG GERAN	FlowCon														
281	50102	Update of stage 2 specifications		TSG GERAN															
282	32097	Concept document 23.060 (changes to)		WG SA2															
283	50103	Flow Control		TSG GERAN															
284	50104	Modification of BSSGP protocol		TSG GERAN															
285	52095	Stage 3 (changes to 48.018)		WG GERAN2															
286	50401	Addition of frequency bands to GSM	Rel6	TSG GERAN	TAPS														
287	51101	Addition of frequency bands to GSM – Changes to core specs		WG GERAN1	TAPS-Core														
288	51102	Changes to core specs		WG GERAN1															
289	54102	Addition of frequency bands to GSM – Changes for conformance t		WG GERAN4	TAPS-Conf														
290	54103	51.010-1 Add testing		WG GERAN4															

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291	0	----- Rel-4 features listed below -----	Rel4																
292	1340	<b>Facsimile</b>	Rel4	WG SA1	FAX														
293	1341	<b>Real Time Fax</b>		WG SA2	FAX-RT														
294	1808	Terminal capabilities, AT commands		WG T2	FAX-RT														
295	1343	Signalling aspects (e.g. ICM)		WG CN1	FAX-RT														
296	1648	Service provision		WG CN3	FAX-RT														
297	1345	Review whether service/stage 1 aspects need to be aligned		WG SA1	FAX-RT														
298	1346	Review whether architecture/stage 2 aspects need to be aligned		WG SA2	FAX-RT														
299	1539	<b>Transparent End-to-End PS mobile streaming applicator</b>	Rel4	WG SA4	PSTREAM														
300	1818	<b>Multimedia Messaging</b>	Rel4	WG T2	MMS														
301	136	<b>Definition of service requirements</b>		WG SA1	MMS														
302	1819	<b>Review of definition of service requirements</b>		WG T2															
303	1820	<b>Technical Realisation</b>		WG T2															
304	1821	Review of definition of reference Achitecture model		WG T2															
305	1822	"Fulfill Requirements of Stage 1"		WG T2															
306	1823	Definition of MMS primitives in Stage 2		WG T2															
307	1541	<b>Transcoder-Free Operation</b>	Rel4	WG CN4	TrFO														
308	112	<b>OoBTC solution</b>		WG CN4	TRFO-OoBTC														
309	1512	implementation in UTRAN		WG RAN3	TRFO-OoBTC-UTR/														
310	896	Impact on architecture, Principles and Terminology		WG SA2	TRFO-OoBTC														
311	1657	Codec Negotiation between UE and MSC		WG CN1	TRFO-OoBTC														
312	115	Codec Negotiation inter MSC		WG CN4	TRFO-OoBTC														
313	894	Bearer establishment inter MSC		WG CN4	TRFO-OoBTC														
314	1617	Prevention of user fraud		WG SA3	TRFO-OoBTC														
315	905	<b>Speech Transcoder: Location and Control at the UMTS Core Netw</b>		WG SA2	TRFO-STLC														
316	124	Transcoder at Edge		TSG CN	TRFO-STLC														
317	2310	<b>GERAN improvements 1 (Gb over IP)</b>	Rel4	TSG GERAN	GEIMP1														
318	2311	<b>Gb over IP (Ip-fication of Gb)</b>		TSG GERAN	GbIP														
319	2312	Concept		TSG GERAN															

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320	2313	Changes to 08.16, 08.18		TSG GERAN															
321	2314	<b>GERAN improvements 2 (NACC)</b>	Rel4	TSG GERAN	GEIMP2														
322	2315	<b>Gb enhancements</b>		TSG GERAN	Gben														
323	2316	Intra BSC NACC (Network Assisted Cell Change)		TSG GERAN															
324	2420	Concept		TSG GERAN															
325	2317	Changes in 03.64		TSG GERAN															
326	2318	Changes in 04.60		TSG GERAN															
327	2319	Changes in 44.008		TSG GERAN															
328	0	<b>Start Testing</b>																	
329	50030	<b>MS conformance test for Intra BSC NACC</b>		TSG GERAN	GEIMP2-Msconf														
330	50099	Changes in 51.010		TSG GERAN															
331	2324	<b>GERAN improvements 4 (Delayed TBF)</b>	Rel4	TSG GERAN	GEIMP4														
332	2325	<b>Gb enhancements 2</b>		TSG GERAN	GEIMP4-Gben2														
333	2429	stage 2		TSG GERAN															
334	2421	Stage 3 (changes in 44.060)		WG GERAN2															
335	2327	Definition of enhanced countdown procedure		WG GERAN2															
336	2328	Definition of enhanced TBF release procedure		WG GERAN2															
337	2329	Definition of USF=FREE type polling mechanism on PDCH		WG GERAN2															
338	1222	<b>Low Chip Rate TDD option</b>	Rel4	WG RAN1	LCRTDD														
339	1223	<b>Physical layer</b>		WG RAN1	LCRTDD-Phys														
340	1224	<b>Layer 2 and layer 3 protocol aspects</b>		WG RAN2	LCRTDD-L23														
341	1225	<b>RF radio transmission/reception, system performance requireme</b>		WG RAN4	LCRTDD-RF														
342	1227	<b>UE radio access capability</b>		WG RAN2	LCRTDD-UErac														
343	1228	<b>Iub/Iur protocol aspects</b>		WG RAN3	LCRTDD-IubIur														
344	2262	<b>Low chiprate TDD interworking with GERAN</b>																	
345	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD																	
346	1911	<b>Start Testing</b>		MLST															
347	2103	<b>Conformance Test Aspects - Low Chip Rate TDD</b>		WG T1															
348	2217	Testing Layer 2 and layer 3 protocol aspects		WG T1	LCRTDD-L23														



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349	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN		WG T1	LCRTDD-L23														
350	2218	Testing RF Radio Transmission and Reception		WG T1	LCRTDD-RF														
351	1322	<b>Enable bearer independent CS architecture</b>	Rel4	WG SA2	CSSPLIT														
352	1323	<b>Enable bearer-independent call control</b>		WG CN4	CSSPLIT														
353	1516	Architecture and Stage 2 description		WG SA2	CSSPLIT														
354	1325	Standardisation of protocols (control & user planes) over Nb interface		WG CN3	CSSPLIT														
355	1326	Standardisation of protocols over reference points between MSC server and		WG CN4	CSSPLIT														
356	1616	Standardisation of detailed stage 2 description		WG CN4	CSSPLIT														
357	1327	Bearer control between MSC server and MGW		WG CN4	CSSPLIT														
358	1328	stage 3 - protocol issues		WG CN4	CSSPLIT														
359	1329	stage 3 - parameter value issues		WG CN3	CSSPLIT														
360	1331	<b>Lawful interception</b>		WG SA3	CSSPLIT														
361	1918	<b>Start Testing</b>		MLST															
362	2052	<b>Conformance Test Aspects - Enable bearer independent CS archi</b>		WG T1	CSSPLIT-TEST														
363	1445	<b>MExE enhancements Rel-4</b>	Rel4	WG T2	MEXE														
364	1447	<b>MExE Security Analysis Activity</b>		WG SA3	MEXE-SEC														
365	2045	Stage 3		WG SA3	MEXE1-SEC														
366	1448	Terminal aspects		WG T2															
367	1810	<b>MExE Rel4 Improvements and Investigations</b>		WG T2	MEXE-ENHANC														
368	1812	3rd MExE classmark		WG T2															
369	1814	FS on Secure download mechanism and capabilities to support SDR conc		WG T2															
370	1815	FS on Support of MP3/MPEG4 content		WG T2															
371	41003	<b>Conformance testing of MExE capability (Feasibility study)</b>	Rel4	WG T1															
372	1631	<b>Tandem Free aspects for 3G and between 2G and 3G sys</b>	Rel4	WG SA4	TFO														
373	1632	<b>Tandem Free AMR</b>		WG SA4	TFO-AMR														
374	130	Specification		WG SA4	TFO-AMR														
375	907	Impact on:		TSG CN	TFO-AMR														
376	131	CN		TSG CN	TFO-AMR														
377	132	GERAN		TSG GERAN	TFO-AMR														

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378	2230	<b>Advanced Speech Call Items enhancements_REL-4</b>	Rel4	WG CN1	ASCI														
379	2232	<b>Stage 2</b>		WG CN4	ASCI														
380	2231	<b>Stages 2 and 3 on A interface</b>		WG CN1	ASCI														
381	2403	<b>700 MHz spectrum support</b>	Rel4	TSG GERAN	700SS														
382	2404	<b>GERAN support for the 700 MHz band</b>		TSG GERAN															
383	2405	Signalling support		TSG GERAN															
384	2406	Physical layer definitions		TSG GERAN															
385	2407	Receiver performance and RF budget		TSG GERAN															
386	2408	<b>GERAN MS Conformance test for 700 MHz band</b>		TSG GERAN															
387	2409	MS test		TSG GERAN															
388	2410	<b>GERAN BTS Conformance test for 700 MHz band</b>		TSG GERAN															
389	2411	BTS test		TSG GERAN															
390	2463	<b>Operator Determined Barring for Packet Oriented Service</b>	Rel4	TSG CN	ODB														
391	2546	<b>UMTS QoS Architecture for PS Domain</b>	Rel4	WG SA2	QoSPS														
392	2548	<b>Architecture</b>		WG SA2															
393	2550	<b>Charging and OAM&amp;P for QoS Management</b>		WG SA5	QoSPS-OAM														
394	1681	<b>RAB Quality of Service (re)Negotiation over Iu</b>		WG RAN3	QoSPS-MAPEND-R/														
395	1991	RAB Quality of Service Negotiation over Iu		WG RAN3	QoSPS-MAPEND-R/														
396	2456	RAB Quality of Service Negotiation over Iu during relocation		WG RAN3	QoSPS-MAPEND-R/														
397	1992	RAB Quality of Service Re-Negotiation over Iu		WG RAN3	QoSPS-MAPEND-R/														
398	1553	<b>GERAN QoS Aspects - Handovers: maintenance of real-time QoS v</b>		TSG GERAN	GERQoS														
399	2306	Handover Concept for the PS domain		TSG GERAN															
400	2309	Stable RT handover report 25.936 including header removal		TSG GERAN															
401	2307	Update of stage 2		TSG GERAN															
402	2308	Update of relevant stage 3 specs -> RRC		WG GERAN2															
403	50010	<b>GERAN MS Conformance test for inter-system and intra-system f</b>		:RAN4;RAN3	GERQoS-Mstest														
404	50011	Handover for the PS domain		:RAN4;RAN3															
405	50012	Stable RT handover report 25.936 including header removal		:RAN4;RAN3															
406	50013	Update of stage 2		:RAN4;RAN3															

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407	50014	Update of relevant stage 3 specs		:RAN4;RAN3															
408	1685	<b>PS-domain handover for real-time services</b>		WG RAN3	QoSPS-PSdoRTS														
409	2554	<b>RAB QoS Renegotiation at Relocation</b>		WG RAN3															
410	1993	<b>small Technical Enhancements and Improvements for R</b>	Rel4	Generic	TEI4														
411	400002	<b>Rel-4 Evolutions of the transport in the UTRAN</b>	NA	TSG RAN	ETRAN														
412	12	<b>QoS optimisation for AAL2 connections over lub and lur interfaces</b>	Rel4	WG RAN3	ETRAN-QoSAAAL2														
413	1995	<b>Transport bearer modification procedure on lub, lur, and lu</b>	Rel4	WG RAN3	ETRAN-MigrMod														
414	401834	<b>Conformance Test Aspects of Rel-4 evolutions of the transport in l</b>		WG T1															
415	2208	Testing RAB support enhancements		WG T1	CT-RABS?														
416	400004	<b>Rel-4 Evolutions of the transport in the CN</b>	NA	WG CN4	CNTRSP														
417	859	<b>IP Transport of CN protocols (e.g., CAP, MAP)</b>	Rel4	WG CN4	SS7IP														
418	1679	Stage 3		WG CN4	SS7IP														
419	2018	CAP		WG CN2	SS7IP														
420	2019	MAP		WG CN4	SS7IP														
421	2253	BSSAP+		WG CN1	SS7IP-BSSAP+														
422	1513	<b>FS on Transport and control separation in the PS CN domain</b>	Rel4	WG SA2															
423	1615	Architectural impacts		WG SA2															
424	401216	<b>Rel-4 Improvements of Radio Interface</b>	NA	TSG RAN	RInImp														
425	1509	<b>UTRA repeater specification (master)</b>	Rel4	WG RAN4	RInImp-REP														
426	1994	<b>DSCH power control improvement in soft handover</b>	Rel4	WG RAN1	RInImp-DSCHsho														
427	1996	<b>UMTS 1800</b>	rel indep	WG RAN4	RInImp-UMTS18														
428	2467	<b>UMTS 1900</b>	rel indep	WG RAN4	RInImp-UMTS19														
429	1219	<b>FS on High Speed downlink packet access</b>		WG RAN2	RInImp-HSDPA														
430	1510	<b>FS on improved common DL channel for Cell-FACH state</b>		WG RAN2	RInImp-DLCFACH														
431	401839	<b>Conformance Test Spec. Rel-4 improvements in Radio Interface</b>		WG T1															
432	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dedic		WG T1															
433	2213	Testing Terminal Power saving features		WG T1															
434	2214	Testing DSCH power control improvement in soft handover	Rel4	WG T1															
435	2215	Testing UMTS 1800	rel indep	WG T1	RInImp-UMTS18-19														

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436	41000	Testing UMTS 1900	rel indep	WG T1	RInImp-UMTS18-19														
437	2561	Testing UMTS 1800 - TTCN	rel indep	WG T1	RInImp-UMTS18-19														
438	41001	Testing UMTS 1900 - TTCN	rel indep	WG T1	RInImp-UMTS18-19														
439	<b>400009</b>	<b>Rel-4 RAN improvements</b>	<b>NA</b>	<b>TSG RAN</b>	<b>RANimp</b>														
440	655	<b>Node B synchronisation for TDD</b>	Rel4	WG RAN1	RANimp-NBsync														
441	2206	<b>RAB support enhancement for Rel-4</b>	Rel4	WG RAN2	RANimp-RABSE														
442	401912	<b>Start Testing</b>		MLST															
443	<b>402102</b>	<b>Conformance Test Aspects - Rel-4 RAN Improvements</b>		<b>WG T1</b>															
444	402222	Testing Radio access bearer support enhancements		WG T1															
445	402461	Testing RAB support enhancements-Robust Header Compression	Rel4	WG T1	RABimp-RoCH														
446	<b>401652</b>	<b>Rel-4 Emergency call enhancements</b>	<b>NA</b>	<b>WG CN1</b>	<b>EMC1</b>														
447	<b>1654</b>	<b>For CS based calls</b>	<b>Rel4</b>	<b>WG CN1</b>	<b>EMC1-CS</b>														
448	1320	Distinction in CS domain of emergency call types to different emergency s		WG SA1	EMC1-CS														
449	1999	Distinction in CS domain of emergency calls to different emergency types		WG CN1	EMC1-CS														
450	402224	Conformance Test Aspects - Emergency call enhancements		WG T1															
451	2226	Testing CS based emergency calls		WG T1	EMC1-CS														
452	2563	Testing CS based emergency calls - TTCN		WG T1	EMC1-CS														
453	<b>401826</b>	<b>Rel-4 Terminal interfaces</b>	<b>NA</b>	<b>WG T2</b>	<b>TI</b>														
454	<b>1827</b>	<b>AT commands enhancements</b>	<b>Rel4</b>	<b>WG T2</b>	<b>TI-ATC</b>														
455	1828	Specification of AT commands for new services		WG T2															
456	1858	UE Conformance test spec. AT command		WG T1	TI-ATC														
457	<b>1829</b>	<b>Wide Area Data Synchronisation</b>	<b>NA</b>	<b>WG T2</b>	<b>TI-WADS</b>														
458	1830	Continues evolution of Synchronisation protocol	Rel4	WG T2	TI-SYNC-EVOL														
459	1832	<b>Terminal local model</b>	Rel4	WG T2	TLM														
460	<b>401536</b>	<b>Rel-4 Location Services enhancements</b>	<b>NA</b>	<b>WG SA2</b>	<b>LCS1</b>														
461	2229	<b>CBS interactions</b>	Rel4	WG T2	LCS1-CBS														
462	523	<b>LCS support in the CS domain</b>	Rel4	WG SA2	LCS1-CS														
463	<b>525</b>	<b>LCS support in the PS domain</b>	<b>Rel4</b>	<b>WG SA2</b>	<b>LCS1-PS</b>														
464	1642	Stage 1		WG SA1	LCS1-PS														

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465	1181	Stage 2		WG SA2	LCS1-PS														
466	1180	Stage 3		WG CN1	LCS1-PS														
467	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPI		WG CN1	LCS1-PS														
468	2462	MAP impacts of LCS		WG CN4	LCS1-PS														
469	527	GTP signaling for LCS		WG CN4	LCS1-PS														
470	401600	<b>UE positioning Rel-4</b>	NA	TSG RAN	LCS1-UEpos														
471	1601	Iub/Iur interfaces for methods Rel 99	Rel4	WG RAN3	LCS1-UEpos-Iublur														
472	1602	UE positioning enhancements - IPDL for TDD	Rel4	WG RAN2	LCS1-UEpos-enh														
473	401560	<b>Rel-4 UICC/(U)SIM enhancements and interworking</b>	NA	WG T3	UICC1														
474	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4	WG T3	UICC1-CPHS														
475	401800	<b>Rel-4 (U)SIM toolkit enhancements</b>	NA	WG T3	USAT1														
476	2034	<b>USAT local link</b>	Rel4	WG T3	USAT1-LocLnk														
477	401571	<b>Rel-4 Security enhancements</b>	NA	WG SA3	SEC1														
478	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development and deploy</b>	Rel4	WG SA3	SEC1-CSALGO1														
479	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	Rel4	WG SA3	SEC1-PSALGO1														
480	1589	Main aspects		WG SA3	SEC1-PSALGO1														
481	1618	Impact on GTP		WG CN4	SEC1-PSALGO1														
482	1661	GEA capability indication in MS CM		WG CN1	SEC1-PSALGO1-GE														
483	401583	<b>MAP application layer security</b>	Rel4	WG SA3	SEC1-MAPAL														
484	401584	Main aspects		WG SA3	SEC1-MAPAL														
485	402025	Other stage 3 aspects		WG CN4	SEC1-MAPAL														
486	401594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3	SEC1-VCS														
487	401142	<b>Rel-4 Charging and OAM&amp;P</b>	NA	WG SA5	OAM														
488	2089	<b>Rel4 Principles, high level Requirements and Architecture</b>	Rel4	WG SA5	OAM-AR/PR														
489	2088	<b>Rel4 Performance Management</b>	Rel4	WG SA5	OAM-PM														
490	2081	<b>Fault Management</b>	Rel4	WG SA5	OAM-FM														
491	2082	<b>Configuration Management</b>	Rel4	WG SA5	OAM-CM														
492	2083	<b>Rel4 Charging Management</b>	Rel4	WG SA5	OAM-CH														
493	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4	WG SA5	UOAM														

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494	1517	<b>Global Text Telephony</b>	Rel5	WG SA2	GTT														
495	1634	<b>Stage 1</b>		WG SA1	GTT														
496	1519	<b>Stage 2</b>		WG SA2	GTT														
497	2234	<b>Specification of Cellular Text telephone Modem</b>		WG SA4	GTT-CTM														
498	2238	General description and C-code		WG SA4	GTT-CTM														
499	2237	Minimum Performance requirements		WG SA4	GTT-CTM														
500	1915	<b>Start Testing</b>		MLST	GTT														
501	1852	<b>Conformance Test Aspects - Global Text telephony</b>		WG T1	GTT														
502	0	<b>----- Rel-5 features listed below -----</b>	Rel5																
503	625	<b>IP transport in the UTRAN</b>	Rel5	WG RAN3	ETRAN-IPtrans														
504	2455	<b>FS on Usage of SUA</b>	Rel5	WG CN4	SS7IP														
505	2476	<b>High Speed Downlink Packet Access</b>	Rel5	WG RAN2	HSDPA														
506	2477	<b>Physical Layer</b>		WG RAN1	HSDPA-Phys														
507	2478	<b>Layer 2 and 3 aspects</b>		WG RAN2	HSDPA-L23														
508	2479	<b>Iub/Iur protocol aspects</b>		WG RAN3	HSDPA-IubIur														
509	2480	<b>RF Radio Transmission/ Reception, System Performance Require</b>		WG RAN4	HSDPA-RF														
510	501216	<b>Rel-5 Improvements of Radio Interface</b>	NA	TSG RAN	RInImp														
511	1470	<b>Improvement of inter-frequency and inter-system measurement</b>	Rel5	WG RAN1	RInImp-IfIsM														
512	1471	<b>Base station classification</b>	Rel5	WG RAN4	RInImp-BSCClass														
513	1476	FDD Base station classification		WG RAN4	RInImp-BSCClass-FDD														
514	1477	TDD Base station classification		WG RAN4	RInImp-BSCClass-TDD														
515	24002	Base Station Classification for 1.28 Mcps TDD option		WG RAN4	RInImp-BSCClass-LCF														
516	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5	WG RAN1	RInImp-DSCHhsp														
517	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5	WG RAN1	RInImp-FCS														
518	1506	<b>FS on Radio link performance enhancements</b>	Rel5	WG RAN1	RInImp-RIperf														
519	1221	<b>FS on USTS</b>	Rel5	WG RAN1	RInImp-USTS														
520	1997	<b>FS on UE antenna efficiency test method performance requiremen</b>	Rel5	WG RAN4	RInImp-UEAnTM														
521	2494	<b>FS on the re-introduction of the downlink SIR measurement</b>	Rel5	WG RAN4	RInImp-SIR														
522	24001	<b>FS on UTRA WideBand Distribution Systems</b>	Rel5	WG RAN4	RInImp-WDS														

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523	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>	Rel5	WG RAN4	RInImp-CPICH_Intf														
524	21000	<b>FS on Improvement of inter-frequency and inter-system measurer</b>	Rel5	WG RAN1	RnImp-IflsMLCR														
525	<b>1839</b>	<b>Conformance Test Spec. improvements in Radio Interface</b>		<b>WG T1</b>															
526	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	WG T1															
527	2211	Testing Hybrid ARQ II/III	Rel5	WG T1															
528	<b>500009</b>	<b>Rel-5 RAN improvements</b>	<b>NA</b>	<b>TSG RAN</b>	<b>RANimp</b>														
529	<b>656</b>	<b>RRM optimization for lur and lub</b>	<b>Rel5</b>	<b>WG RAN3</b>	<b>RANimp-RRMopt</b>														
530	23000	lur common transport channel efficiency optimisation		WG RAN3	RANimp-RRMopt-ctc														
531	23001	lur neighbouring cell reporting efficiency optimisation		WG RAN3	RANimp-RRMopt-nci														
532	23002	Introduction of direct transport bearers between SRNC and Node-B		WG RAN3	RAN-imp-RRMopt-D														
533	2488	<b>RL Timing Adjustment</b>	Rel5	WG RAN3	RANimp-RLTA														
534	2489	<b>Separation of resource reservation and radio link activation</b>	Rel5	WG RAN3	RANimp-SepRR														
535	2490	<b>Improvement of Radio Resource Management across RNS and RN</b>	Rel5	WG RAN3	RANimp-ImpRRM														
536	2491	<b>Re-arrangements of lub transport bearers</b>	Rel5	WG RAN3	RANimp-TTPS														
537	23003	<b>SRNS Relocation Procedure Enhancement</b>	Rel5	WG RAN3	RANimp-SRNS														
538	22000	<b>RAB support enhancement for Rel-5</b>	Rel5	WG RAN2	RANimp-RABSE5														
539	1680	<b>Header compression removal/stripping in the RAN</b>	Rel5	TSG RAN															
540	1686	<b>Unequal error protection in PS domain in the RAN</b>	Rel5	TSG RAN															
541	21001	<b>Beamforming requirements for UE</b>	Rel5	WG RAN1	RANimp-BFR-UE														
542	20999	<b>Beamforming Enhancements</b>	Rel5	WG RAN1	RANimp-BFE														
543	21002	<b>Support of Site Selection Diversity Transmission in UTRAN</b>	Rel5	WG RAN1	RANimp-SSDT														
544	2472	<b>Node B Synchronisation for 1.28 Mcps TDD</b>	Rel5	WG RAN1	RANimp-NBSLCR														
545	1912	<b>Start Testing</b>		MLST															
546	<b>2102</b>	<b>Conformance Test Aspects - RAN Improvements</b>		<b>WG T1</b>															
547	2222	Testing Radio access bearer support enhancements		WG T1															
548	<b>1273</b>	<b>Provisioning of IP-based multimedia services</b>	<b>NA</b>	<b>WG SA1</b>	<b>IMS</b>														
549	<b>1274</b>	<b>Call control and roaming to support IMS in UMTS</b>	<b>Rel5</b>	<b>WG SA2</b>	<b>IMS-CCR</b>														
550	1633	Stage 1		WG SA1	IMS-CCR														
551	1514	Stage 2 (Architecture and Main flows)		WG SA2	IMS-CCR														

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552	1296	Impact on MM/CC/SM		WG CN1	IMS-CCR-IWMM														
553	<b>2233</b>	SIP Call Control protocol for the IMS		<b>WG CN1</b>	<b>IMS-CCR</b>	◆													
554	1998	IMS signalling flows		WG CN1	IMS-CCR														
555	1278	IMS stage 3		WG CN1	IMS-CCR														
556	2255	IMS Session Handling; stage 2		WG CN1	IMS-CCR														
557	<b>10004</b>	Main IETF dependencies		<b>TSG CN</b>		◆													
558	2521	IETF: draft-ietf-sip-rtc2543bis (Session Initiation Protocol)		WG CN1															
559	2523	IETF: draft-sip-100rel		WG CN1															
560	2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration		WG CN1		■													
561	2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity and		WG CN1		■													
562	2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authoriza		WG CN1		■													
563	11000	IETF: draft-ietf-sip-events (specific event notification)		WG CN1															
564	11001	IETF: draft-ietf-sip-refer (refer method)		WG CN1		■													
565	11002	IETF: draft-ietf-dhc-dhcpv6 (DHCP options for SIP servers)		WG CN1		■													
566	11003	IETF: draft-ietf-sip-replaces (SIP replaces header)		WG CN1		■													
567	11004	IETF: draft-ietf-avt-rtp-amr (AMR and AMR WB RTP and SDP)		WG CN1		■													
568	11005	IETF: draft-ietf-mmusic-sdp-new (IPv6 support within SDP)		WG CN1															
569	11022	IETF: draft-ietf-sip-update		WG CN1		■													
570	11023	IETF: draft-jennings-sipping-nai (Network Asserted Identity)		WG CN1		■													
571	11024	IETF: p-header drafts for 3GPP (Various 3GPP dependencies)		WG CN1		■													
572	<b>1290</b>	Addressing		<b>WG SA2</b>	<b>IMS-CCR</b>														
573	1291	Architectural issues		WG SA2	IMS-CCR														
574	1292	Impact on HSS		WG CN4	IMS-CCR														
575	<b>2530</b>	Service Examples		<b>WG SA1</b>	<b>IMS-Sex</b>	◆													
576	2531	IMS Framework Report		WG SA1	IMS-FrWk	■													
577	<b>1298</b>	<b>Access Security for IMS</b>	<b>Rel5</b>	<b>WG SA3</b>	<b>IMS-ASEC</b>	◆													
578	33000	SA3 task		WG SA3		■													
579	43000	IMS impacts on UICC		WG T3		■													
580	11014	SIP extensions for Integrity protection		WG CN1		■													



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581	2574	<b>Security Aspects of Requirement for Network Configuration Indep</b>	Rel5	WG SA3	SEC1-NCI														
582	1299	<b>Lawful interception</b>	Rel5	WG SA3	IMS-LI														
583	35007	<b>Charging and OAM&amp;P for IMS</b>	Rel5	WG SA5	IMS-OAM	■													
584	<b>2036</b>	<b>Multimedia codecs and protocols for conversational PS services</b>	<b>Rel5</b>	<b>WG SA4</b>	<b>IMS-CODEC</b>														
585	2039	Codecs		WG SA4															
586	34020	Transport protocols	Rel5	WG SA4	IMS-CODEC														
587	2040	performance characterisation of codec		WG SA4		■	■	■	■	■	■	■	■	■	■	■	■	■	■
588	34006	recommendation for QoS parameter values for various media types		WG SA4		■	■	■	■	■	■	■	■	■	■	■	■	■	■
589	11025	IETF: draft-ietf-sip-digest-aka		WG CN1		■													
590	11026	IETF: draft-ietf-sip-sec-agree		WG CN1		■													
591	<b>32003</b>	<b>SIP message compression</b>	<b>Rel5</b>	<b>WG SA2</b>															
592	32004	Stage 2		WG SA2															
593	11015	Compression signalling		WG CN1		■	■												
594	<b>10001</b>	<b>Stage 3 description of IMS interfaces</b>	<b>Rel5</b>	<b>TSG CN</b>															
595	1286	Cx interface (HSS to CSCF)		WG CN4	IMS-CCR	■	■												
596	14997	Mp interface (MRFC - MRFP) enhancements		WG CN4		■	■												
597	11016	Mw interface (CSCF to P-CSCF)		WG CN1		■	■												
598	11018	Mr interface (CSCF to MRF)		WG CN1		■	■												
599	14003	Dx interface (I-CSCF to SLF)		WG CN4		■	■												
600	13001	Go interface (GGSN to PCF)		WG CN3		■	■												
601	11019	ISC (IMS Service Control) Interface		WG CN1		■	■												
602	14006	Sh interface (HSS to AS)		WG CN4		■	■												
603	14998	Si interface (HSS to IM-SSF)		WG CN4		■	■	■	■										
604	11020	Gm interface (UE to CSCF)		WG CN1		■	■												
605	11027	Mi interface (CSCF to BGCF)		WG CN1		■	■												
606	11028	Mj interface (BGCF to MGCF)		WG CN1		■	■												
607	11029	Mk interface (BGCF to BGCF)		WG CN1		■	■												
608	1310	<b>Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF</b>	Rel5	WG CN5	IMS-ONOSA	■	■												
609	<b>12000</b>	<b>CAMEL control of IMS services</b>	<b>Rel5</b>	<b>WG CN2</b>	<b>IMS-CAMEL</b>														

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610	12001	Stage2 work 'general'		WG CN2															
611	12002	Stage3 work 'CAP'		WG CN2															
612	12003	Stage2 work 'Si interface'		WG CN2															
613	12004	Stage3 work 'Si interface'		WG CN4															
614	14004	SDM issues for CAMEL control of IMS		WG CN4															
615	31002	<b>Pre-pay/real-time charging in IMS</b>	TBD	WG SA1															
616	<b>35005</b>	<b>Charging</b>	<b>Rel5</b>	<b>WG SA5</b>	<b>OAM-CH</b>														
617	32006	Charging Implications of IMS architecture		WG SA2															
618	35006	Charging management for IMS (off-line & on-line)		WG SA5															
619	<b>10002</b>	<b>Other IETF dependencies</b>	<b>Rel5</b>	<b>TSG CN</b>															
620	11011	IETF: draft-ietf-aaa-diameter - should be CN4		TSG CN															
621	11999	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4		TSG CN															
622	1913	<b>Start Testing</b>	Rel5	MLST															
623	1844	<b>Conformance Test Aspects - Provisioning of IMS</b>		WG T1	IMS-TEST														
624	<b>34001</b>	<b>Extended Transparent End-to-End PS Streaming Service</b>	<b>Rel5</b>	<b>WG SA4</b>	<b>PSS-E</b>														
625	34002	<b>Stage 1</b>		WG SA1															
626	34003	<b>Stage 2 (version Rel5 of TS 26.234)</b>		WG SA4															
627	34019	<b>RTP usage model</b>		WG SA4															
628	<b>501637</b>	<b>Rel-5 OSA enhancements</b>	<b>NA</b>	<b>WG SA1</b>	<b>OSA1</b>														
629	32010	<b>General Stage 2 for Rel5</b>		WG SA2															
630	<b>1429</b>	<b>OSA APIs for Multimedia Call Control</b>	<b>Rel5</b>	<b>WG SA2</b>	<b>OSA1-CSCF</b>														
631	1430	Stage 1		WG SA1	OSA1-CSCF														
632	15002	(Multimedia) Call Control - Stages 2 and 3		WG CN5	OSA2														
633	15003	<b>Generic user interaction - Stage 3</b>	Rel5	WG CN5	OSA2														
634	15004	<b>Charging - Stage 3</b>	Rel5	WG CN5	OSA2														
635	15007	<b>Call Control Service Mapping; Multiparty Call Control SIP - Stage 3</b>	Rel5	WG CN5	OSA2														
636	15999	<b>WSDL APIs for SOAP/HTTP - Stage 3</b>	Rel5	WG CN5	OSA2														
637	<b>1419</b>	<b>OSA security</b>	<b>Rel5</b>	<b>WG SA3</b>	<b>OSA1-SEC</b>														
638	2121	Stage 1		WG SA1	OSA1-SEC														

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639	1421	Stage 3		WG SA3	OSA1-SEC														
640	1422	security related SCF(s) definition		WG CN5	OSA1-SEC														
641	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLR		WG SA3	OSA1-SEC														
642	1621	impact on terminal		WG T2	OSA1-SEC														
643	<b>401424</b>	<b>Interactions OSA - e-commerce</b>	<b>Rel5</b>	<b>WG SA2</b>	<b>OSA1-ECOM</b>														
644	1425	Stage 1		WG SA1	OSA1-ECOM														
645	1529	Stages 2 and 3		WG CN5	OSA1-ECOM														
646	<b>1786</b>	<b>CHECK STATUS - LCS - OSA interfaces</b>	<b>Rel5</b>	<b>WG SA1</b>	<b>OSA1-LCSI</b>														
647	1787	Stage 1		WG SA1	OSA1-LCSI														
648	2124	Stage 2		WG SA2	OSA1-LCSI														
649	1788	Stage 3		WG CN5	OSA1-LCSI														
650	<b>1638</b>	<b>CAMEL phase 4</b>	<b>Rel5</b>	<b>WG SA1</b>	<b>CAMEL4</b>														
651	1461	Service requirements		WG SA1	CAMEL4														
652	2012	Call Party Handling		WG CN2	CAMEL4-CPH														
653	2013	Mid call procedure for MO and MT calls		WG CN2	CAMEL4-MCP														
654	2014	Interactions with Optimal Routing		WG CN2	CAMEL4-IOR														
655	2015	Inclusion of flexible tone injection		WG CN2	CAMEL4-IFTI														
656	2016	CSE control over MT SMS		WG CN2	CAMEL4-CCSMS														
657	2460	Notification of GPRS mobility management to CSE		WG CN2	CAMEL4-NMM														
658	2458	Provision of location information of called subscriber		WG CN2	CAMEL4-LOCB														
659	2514	Inclusion of ODB data in the CSE_HLR interface		WG CN2	CAMEL4-ODB														
660	2515	Location information during an ongoing call (Handover DP)		WG CN2	CAMEL4-HODP														
661	2516	GPRS Any Time Interrogation		WG CN2	CAMEL4-ATI														
662	2599	Transfer of IMEI (with SW version) to CSE		WG CN2	CAMEL4-ATI														
663	12005	Functional Split Into Subsets		WG CN2	CAMEL4-SUB														
664	<b>2464</b>	<b>Rel-5 MExE enhancements</b>	<b>Rel5</b>	<b>WG T2</b>	<b>MEXE5</b>														
665	2466	MExE Rel-5 Improvements and Investigations		WG T2	MEXE5-ENHANC														
666	<b>1625</b>	<b>Wideband Telephony Service - AMR</b>	<b>Rel5</b>	<b>WG SA4</b>	<b>AMRWB</b>														
667	<b>62</b>	<b>Specification</b>		<b>WG SA4</b>	<b>AMRWB</b>														

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668	31005	Stage 1		WG SA1															
669	<b>32007</b>	Stage 2		<b>WG SA4</b>															
670	1459	Design Constraints		WG SA4	AMRWB														
671	1460	General Description		WG SA4	AMRWB														
672	1626	Feasibility Study		WG SA4	AMRWB														
673	1656	N1 Aspects		WG CN1	AMRWB														
674	14005	N4 work		WG CN4	AMRWB														
675	<b>67</b>	Codec issues		<b>WG SA4</b>	<b>AMRWB</b>														
676	1627	Codec qualification		WG SA4	AMRWB														
677	74	Codec selection tests		WG SA4	AMRWB														
678	891	Codec selection		WG SA4	AMRWB														
679	34007	TFO AMR-WB		WG SA4	AMRWB-TFO														
680	890	Other codec issues (verif., characterisation)		WG SA4	AMRWB														
681	34008	AMR-WB and narrowband interworking		WG SA4	AMRWB-IWG														
682	34009	Interworking with fixed broadband networks		WG SA4	AMRWB-IWG														
683	34010	Tones and announcements		WG SA4	AMRWB														
684	34011	WB Conferencing and WB Voice Group calls		WG SA1	AMRWB														
685	34012	Billing, accounting and call detail record aspects		WG SA5	AMRWB														
686	1989	Start Testing		MLST	AMRWB														
687	<b>1855</b>	Conformance tests (CRs to 34 series)		<b>WG T1</b>	<b>AMRWB</b>														
688	<b>76</b>	Terminal Acoustic Characteristics		<b>WG SA4</b>	<b>AMRWB</b>														
689	1628	Definition		WG SA4	AMRWB														
690	1629	Test specification		WG SA4	AMRWB														
691	34004	<b>Floating-point ANSI-C code for the AMR-WB speech codec</b>		WG SA4	AMRWB-FP														
692	<b>80</b>	<b>Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR</b>		<b>TSG GERAN</b>	<b>GAMRWB</b>														
693	50098	Channel coding in 45.003		TSG GERAN	GAMRWB														
694	2266	Signalling for the A interface		TSG GERAN	GAMRWB														
695	2267	Signalling for lu		TSG GERAN	GAMRWB														
696	2268	Receiver performance in TS 45.005		TSG GERAN	GAMRWB														

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697	50000	Link Adaptation in 45.009		TSG GERAN	GAMRWB														
698	2269	<b>GERAN MS conformance test for AMR-WB</b>		TSG GERAN	GAMRWB														
699	2270	MS test		TSG GERAN	GAMRWB														
700	2271	<b>GERAN BTS conformance test for AMR-WB</b>		TSG GERAN	GAMRWB														
701	2272	BTS test		TSG GERAN	GAMRWB														
702	2573	<b>Terminal local model enhancements</b>	Rel5	WG T2	TLM5														
703	1536	<b>Rel-5 Location Services enhancements</b>	Rel5	WG SA2	LCS1														
704	1600	<b>UE positioning</b>	NA	TSG RAN	LCS1-UEpos														
705	2457	UE positioning enhancements - other methods		WG RAN2	LCS1-UEpos-enh														
706	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	WG RAN2	LCS-128Pos														
707	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5	WG RAN2	LCS-INTF														
708	22001	FS on Enhancements to OTDOA Positioning using advanced blanking me		WG RAN2															
709	1171	<b>Event based and Periodic LCS</b>	Rel5	WG SA1	LCS1-EBP														
710	1641	Stage 1		WG SA1	LCS1-EBP														
711	1538	Stage 2 specification		WG SA2	LCS1-EBP														
712	1179	Impact on MAP		WG CN4	LCS1-EBP														
713	2436	<b>Location Services for GERAN in A/Gb Mode</b>	Rel5	TSG GERAN	LCS-GERAN														
714	2437	GERAN LCS Stage 2 (first release)		VG GERAN2	LCS-GERAN														
715	2438	Gb interface support for LCS		TSG GERAN	LCS-GERAN														
716	2440	L3 protocol support for LCS		TSG GERAN	LCS-GERAN														
717	2441	Stage 3 specifications		TSG GERAN	LCS-GERAN														
718	2442	<b>Location Services for GERAN in lu Mode</b>	Rel5	TSG GERAN	LCS-GERAN														
719	2443	GERAN LCS Stage 2		VG GERAN2	LCS-GERAN														
720	2444	lu-ps interface support for LCS		VG GERAN2	LCS-GERAN														
721	2445	lu-cs interface support for LCS		VG GERAN2	LCS-GERAN														
722	2446	lur-g interface support for LCS		VG GERAN2	LCS-GERAN														
723	2447	RRC protocol support for LCS		VG GERAN2	LCS-GERAN														
724	2448	Additional impacts on Broadcast of LCS data on packet channels		VG GERAN2	LCS-GERAN														
725	2449	Stage 3 specifications		VG GERAN2	LCS-GERAN														

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726	50068	<b>GERAN MS Conformance test for LCS</b>		TSG GERAN	LCS-GERAN-MScon														
727	55069	Develop LCS MS test case work plan (Release 98/99/4)		VG GERAN5															
728	55070	Develop LCS MS test cases		VG GERAN5															
729	50069	<b>GERAN BTS Conformance test for LCS</b>		TSG GERAN	LCS-GERAN-BTScor														
730	55071	Develop LCS BTS test case work plan (Release 98/99/4)		VG GERAN5															
731	55072	Develop LCS BTS test cases		VG GERAN5															
732	544	<b>LCS interoperation stage 2 aspects</b>		WG SA2															
733	2434	<b>LCS interoperability aspects to GERAN</b>	Rel5	TSG GERAN	LCS-GERAN														
734	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and		VG GERAN1	LCS-GERAN														
735	2450	<b>GERAN MS Conformance test for LCS</b>		WG GERAN4	LCS-GERAN														
736	2451	MS test		VG GERAN4	LCS-GERAN														
737	2452	<b>GERAN BTS Conformance test for LCS</b>		WG GERAN3	LCS-GERAN														
738	2453	BTS test		VG GERAN3	LCS-GERAN														
739	52003	<b>Uplink TDOA feasibility study</b>		VG GERAN3	LCS-GERAN														
740	1183	<b>FS on LCS support in the IMS</b>		WG SA1															
741	35008	<b>Charging and OAM&amp;P for LCS enhancements</b>	Rel5	WG SA5	LCS1-OAM														
742	521	<b>New security aspects of LCS (not identified)</b>	Rel5	WG SA3	LCS1-SEC														
743	32011	<b>Specification for the Le Interface</b>	Rel5	WG SA2	LCS1-Le														
744	32022	<b>CHECK STATUS - Inter-GMLC interface</b>		WG SA2															
745	501800	<b>Rel-5 (U)SIM toolkit enhancements</b>	NA	WG T3	USAT1														
746	43002	<b>Test specification for (U)SIM toolkit security mechanims</b>		WG T3															
747	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	WG T3	USAT1-Interpr														
748	2497	Stage 1		WG T3															
749	2496	Stage 2 and 3		WG T3															
750	2518	Test specification		WG T3															
751	1802	<b>UICC API</b>	NA	WG T3	USAT1-API														
752	43001	Java API Test specification		WG T3															
753	2031	C SIM API	Rel5	WG T3	USAT1-API-MULTOS														
754	2032	Specification		WG T3	USAT1-API-MULTO:														

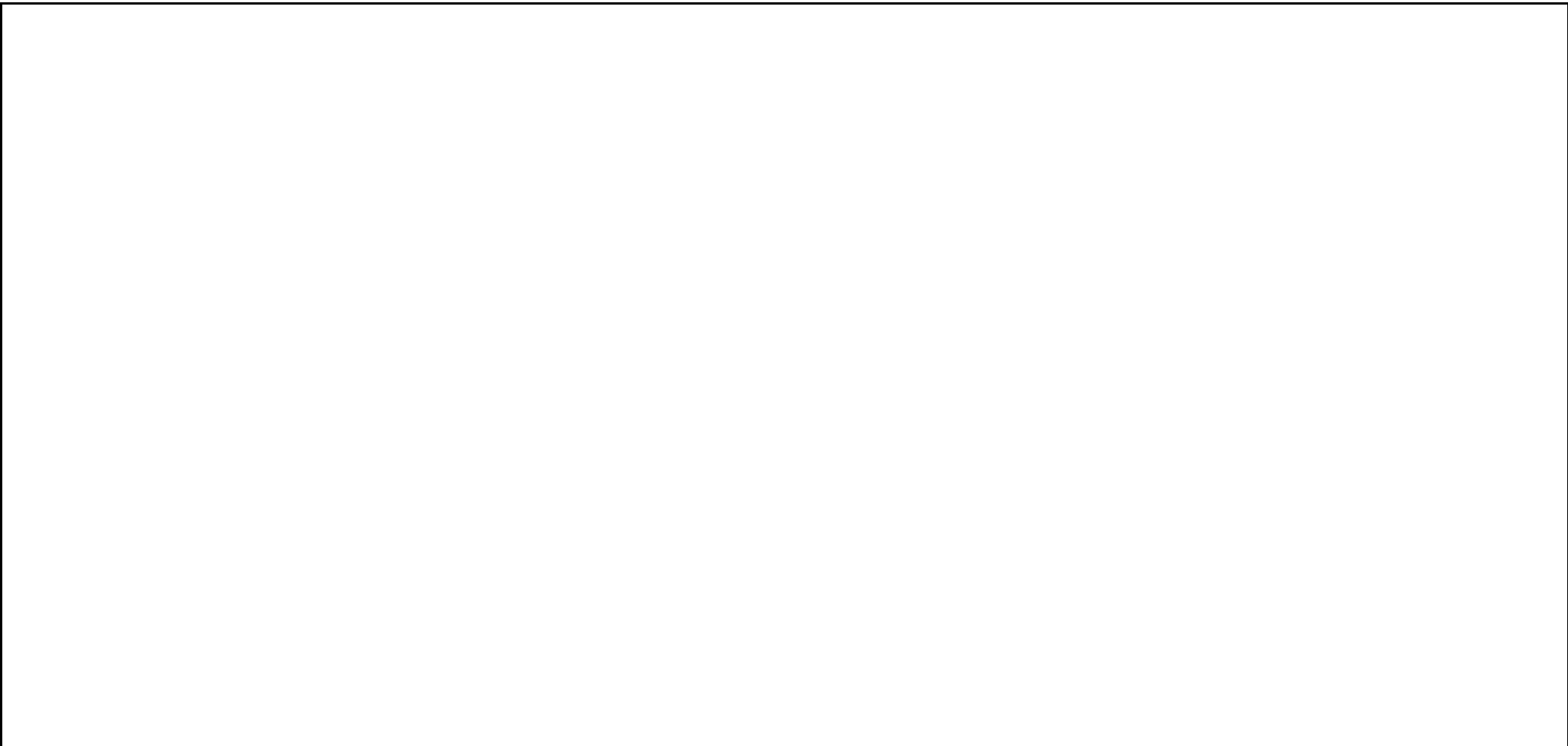
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755	2033	Test specification		WG T3	USAT1-API-MULTO														
756	<b>501571</b>	<b>Rel-5 Security enhancements</b>	<b>NA</b>	<b>WG SA3</b>	<b>SEC1</b>														
757	<b>1576</b>	<b>Network domain security</b>	<b>Rel5</b>	<b>WG SA3</b>	<b>SEC1-NDS</b>														
758	<b>1577</b>	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provide		<b>WG SA3</b>	<b>SEC1-NDS</b>														
759	1578	Main aspects		WG SA3	SEC1-NDS														
760	1579	Integration of GTP signalling security architecture		WG CN4	SEC1-NDS														
761	<b>1580</b>	User plane protection in core network (e.g., provided by IPsec)		<b>WG SA3</b>	<b>SEC1-NDS</b>														
762	1581	Main aspects		WG SA3	SEC1-NDS														
763	1582	Integration of GTP signalling security architecture		WG CN4	SEC1-NDS														
764	2576	IP network layer security (NDS/IP)		WG SA3	SEC1-NDS-IP														
765	<b>2243</b>	<b>Intra Domain Connection of RAN Nodes to Multiple CN N</b>	<b>Rel5</b>	<b>WG SA2</b>	<b>IUFLEX</b>														
766	2244	<b>Overall System Architecture</b>		WG SA2	IUFLEX														
767	20000	<b>Stage 3: RAN node selecting CN node</b>		WG RAN3	IUFLEX														
768	2248	<b>N1 work</b>		WG CN1	IUFLEX														
769	2249	<b>N4 work</b>		WG CN4	IUFLEX														
770	<b>50067</b>	<b>GERAN work for Intra Domain Connection of RAN Nodes to Multiple</b>		<b>TSG GERAN</b>	<b>IDCRAN-GERAN</b>														
771	51068	Stage 2 (changes to )		WG GERAN1															
772	51069	43.051 Introduction of support for IDNNS in GERAN Iu mode		WG GERAN1															
773	52070	Stage 3 (changes to )		WG GERAN2															
774	52077	48.016 Use of Gb interface concepts when a network applies IDNNS		WG GERAN2															
775	52078	48.018 Include MSC/VLR identity in CS IMSI paging		WG GERAN2															
776	<b>2320</b>	<b>GERAN improvements 3 (new transport layer on interfac</b>	<b>Rel5</b>	<b>TSG GERAN</b>	<b>GEIMP3</b>														
777	<b>2321</b>	<b>Evolution of the transport for A</b>		<b>TSG GERAN</b>	<b>GEIMP3-EtA</b>														
778	2322	Definition of a new A/Ater interface Transport Layer option based on the Iu		TSG GERAN															
779	2323	Adaptation of the Layer 3 BSSMAP procedures as required		TSG GERAN															
780	<b>501142</b>	<b>Rel-5 Charging and OAM&amp;P</b>	<b>NA</b>	<b>WG SA5</b>	<b>OAM</b>														
781	35002	<b>Rel5 Principles, high level Requirements and Architecture</b>	Rel5	WG SA5	OAM-AR/PR														
782	35003	<b>Rel5 Performance Management</b>	Rel5	WG SA5	OAM-PM														
783	35004	<b>Rel5 Charging Management</b>	Rel5	WG SA5	OAM-CH														
























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784	35001	<b>Rel5 Network Infrastructure Management</b>	Rel5	WG SA5	OAM-NIM														
785	2392	<b>GERAN enhancements for streaming services 1 (RLC en</b>	Rel5	TSG GERAN															
786	2394	<b>Concept</b>		TSG GERAN															
787	2395	<b>RLC protocol enhancement (SDU Discard)</b>		TSG GERAN															
788	2396	<b>GERAN enhancements for streaming services 2 (usage c</b>	Rel5	TSG GERAN															
789	2398	<b>Usage of ECSD Concept</b>		TSG GERAN															
790	2399	<b>Stage 2</b>		TSG GERAN															
791	2400	<b>Stage 3</b>		TSG GERAN															
792	2401	<b>RLC PDU formats</b>		TSG GERAN															
793	2402	<b>MAC header</b>		TSG GERAN															
794	2412	<b>GERAN/UTRAN interface evolution 1 (evolution of lu PS)</b>	Rel5	.N;WG RAN3	GERUEV1														
795	2413	<b>Evolution of lu ps</b>		.N;WG RAN3	GERUEV1-luPS														
796	2414	Identification of GERAN requirements on lu ps		N;WG RAN3															
797	2415	Update of specifications		N;WG RAN3															
798	2416	<b>GERAN/UTRAN interface evolution 2 (evolution of lu CS)</b>	Rel5	.N;WG RAN3	GERUEV2														
799	2417	<b>Evolution of lu cs</b>		.N;WG RAN3	GERUEV2-luCS														
800	2418	Identification of GERAN requirements on lu cs		N;WG RAN3															
801	2419	Update of specifications		N;WG RAN3															
802	2556	<b>End to End QoS for PS Domain including IMS</b>	Rel5	WG SA2	E2EQoS														
803	2557	<b>E2E QoSConcept and Architecture</b>		WG SA2															
804	2558	<b>E2E QoS interworking</b>		WG CN3	E2EQoS-IW														
805	2559	<b>QoS Management (Provisioning and Monitoring)</b>		WG SA5	E2EQoS-OAM														
806	2569	<b>Messaging enhancements Rel-5</b>	Rel5	WG T2	MESS5														
807	2571	<b>Multimedia Messaging (MMS) enhancements</b>		WG T2	MESS5-MMS														
808	31000	Definition of service requirements	Rel5	WG SA1	MESS5-SR														
809	42000	Technical realization		WG T2															
810	42008	WAP Forum dependency: MM1 stage 3		WG T2															
811	34018	MMS formats and codecs		WG SA4															
812	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>		WG T2	MESS5-EMS														



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813	31001	Definition of service requirements		WG SA1															
814	42001	Technical realization		WG T2															
815	50001	<b>GERAN Inter BSC NACC improvements over the Gb Inter</b>	Rel5	TSG GERAN	GERNACC														
816	14501	<b>Modification of core network protocols for GERAN Inter BSC NACC</b>		WG SA2	GERNACC-Cnmod														
817	32502	Stage 2 - Concept		WG SA2															
818	14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC		WG SA2															
819	14503	Stage 3 (changes to TS 29.060)		WG CN4															
820	50002	<b>Modification of Gb protocols for GERAN Inter BSC NACC over Gb Ir</b>		TSG GERAN	GERNACC-Gbmod														
821	50003	Stage 3 (changes to TS 48.018)		TSG GERAN															
822	50033	<b>Enhanced Power Control</b>	Rel5	TSG GERAN	EPC														
823	50034	<b>Realization of Enhanced power control and signaling support</b>		TSG GERAN															
824	50035	<b>GERAN MS Conformance test for Enhanced Power Control</b>		TSG GERAN															
825	50036	<b>GERAN BTS Conformance test for Enhanced Power Control</b>		TSG GERAN															
826	50037	<b>8PSK AMR HR</b>	Rel5	TSG GERAN	8PSK-AH														
827	50038	<b>Definition of channel coding, performance requirements and signa</b>		TSG GERAN															
828	50061	Concept		TSG GERAN															
829	52004	Changes to 44.018		WG GERAN2															
830	51025	Changes to 45.001		WG GERAN1															
831	51026	Changes to 45.002		WG GERAN1															
832	51027	Changes to 45.003		WG GERAN1															
833	51028	Changes to 45.005		WG GERAN1															
834	52005	Changes to 24.008		WG GERAN2															
835	52006	Changes to 48.058		WG GERAN2															
836	50039	<b>GERAN MS Conformance test for 8PSK HR</b>		TSG GERAN															
837	50040	<b>GERAN BTS Conformance test for 8PSK HR</b>		TSG GERAN															
838	13000	<b>Service Change and UDI Fallback</b>	Rel5	WG CN3	SCUDIF														
839	501800	<b>Rel-5 (U)SIM toolkit enhancements</b>	NA	WG T3	USAT1														
840	43002	<b>Test specification for (U)SIM toolkit security mechanims</b>		WG T3															
841	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	WG T3	USAT1-Interpr														

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842	2497	Stage 1		WG T3															
843	2496	Stage 2 and 3		WG T3															
844	2518	Test specification		WG T3															
845	<b>501802</b>	<b>UICC API</b>	<b>NA</b>	<b>WG T3</b>	<b>USAT1-API</b>														
846	<b>2031</b>	C SIM API	<b>Rel5</b>	<b>WG T3</b>	<b>USAT1-API-MULTOS</b>														
847	2032	Specification		WG T3	USAT1-API-MULTO:														
848	2033	Test specification		WG T3	USAT1-API-MULTO:														
849	30001	<b>small Technical Enhancements and Improvements for R</b>	Rel5	Generic	TEI5														



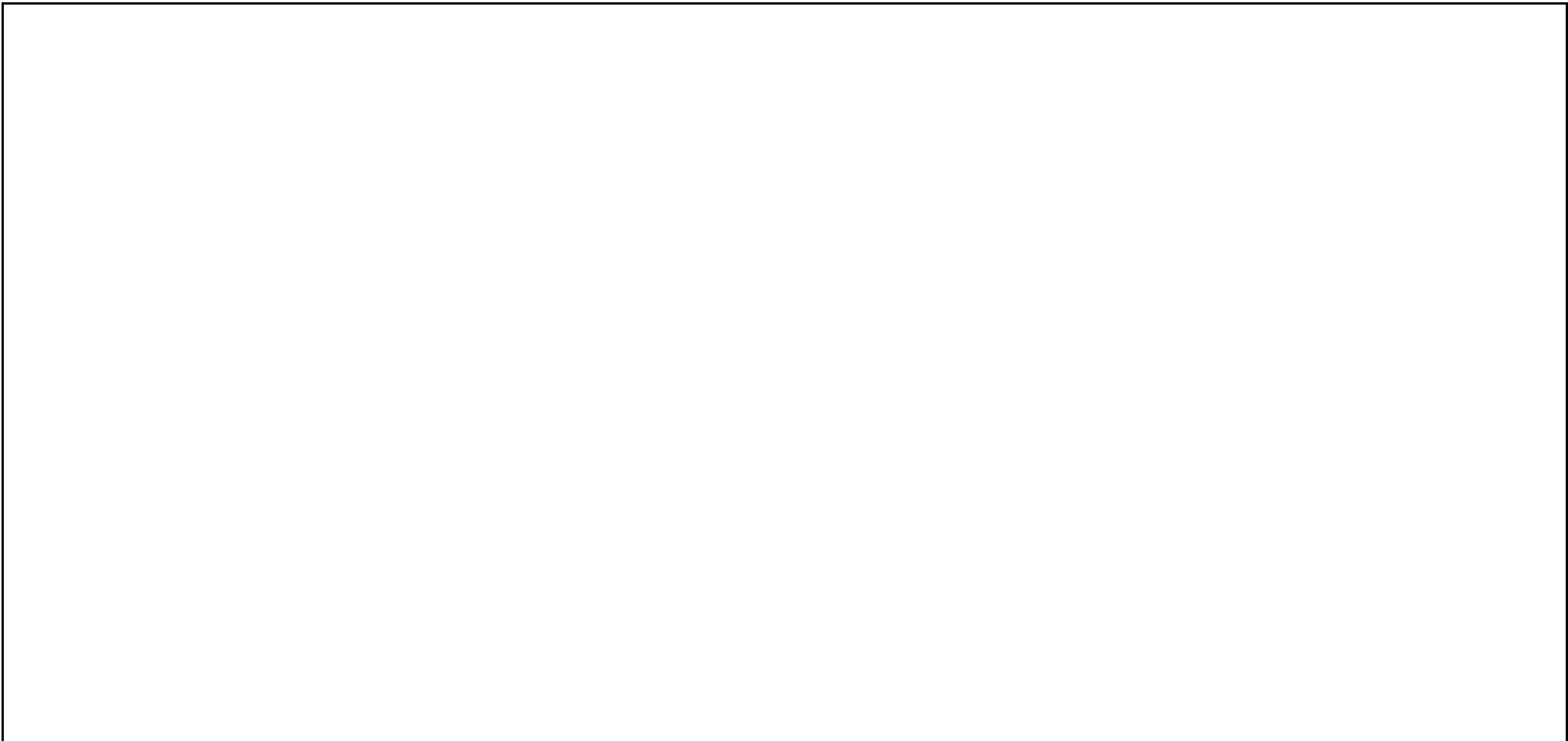
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	Task		Summary		Rolled Up Baseline Milestone	
	Split		Rolled Up Critical		Rolled Up Milestone	
	Task Progress		Rolled Up Critical Split		External Tasks	
	Baseline		Rolled Up Critical Progress		Project Summary	
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1	2044	<b>VERSION 2002 July 31st</b>	Rel																
2	1462	<b>"CTRL + a" to display all the 3GPP fields</b>																	
3	2058	<b>Content of Rel4 and Rel5 frozen. Rel6 and after not froz</b>	Rel																
4	0		Rel																
5	96																		
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	TSG RAN	ETRAN														
7	4	<b>Evolutions of the transport in the CN</b>	NA	WG CN4	CNTRSP														
8	1216	<b>Improvements of Radio Interface</b>	NA	TSG RAN	RInImp														
16	9	<b>RAN improvements</b>	NA	TSG RAN	RANimp														
19	1652	<b>Emergency call enhancements</b>	Rel6	WG CN1	EMC1														
28	1637	<b>OSA enhancements</b>	NA	WG SA1	OSA1														
39	1826	<b>Terminal interfaces</b>	NA	WG T2	TI														
40	32023	<b>Location Services enhancements 2</b>	Rel6	WG SA2	LCS2														
48	1800	<b>(U)SIM toolkit enhancements</b>	NA	WG T3	USAT1														
51	1571	<b>Security enhancements</b>	NA	WG SA3	SEC1														
58	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA	WG T1	MISTST1														
66	32021	<b>IMS Phase 2</b>	Rel6	WG SA1															
88	1365	<b>Support of Push Services</b>	Rel6	WG SA1	PUSH														
91	42005	<b>Rel-6 MExE enhancements</b>	Rel6	WG T2	MEXE6														
94	1142	<b>Charging and OAM&amp;P</b>	NA	WG SA5	OAM														
95	2062	<b>Subscription Management</b>	Rel6	WG SA5	SM														
96	2330	<b>GERAN support for IMS</b>	TBD	TSG GERAN	GERIMS														
112	2345	<b>Alignment of 3G functional split and lu</b>	TBD	TSG GERAN	GER3GAL														
185	2499	<b>Support of Presence Capability</b>	Rel6	WG SA1	PRESNC														
192	31028	<b>Presence Service Enhancements</b>	Rel6	WG SA1	PRES1														
193	2520	<b>User Equipment Management</b>	NA	WG SA5	UEM														
195	2527	<b>Emergency calls without UICC/SIM in netw. with IMS</b>	Rel6	WG SA2															
198	50056	<b>Enhanced A/Gb feasibility study</b>	TBD	TSG GERAN	AGbEnFS														

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						May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
200	50058	Multiple TBF in A/Gb mode	Rel5	TSG GERAN	MULTBF														
207	50063	Flexible Layer One for GERAN	TBD	TSG GERAN	FLOGER														
234	50041	Uplink TDOA feasibility study	Rel6	TSG GERAN	TDOAF														
235	35009	Trace Management	Rel6	WG SA5	Trace Mg														
236	2544	Multimedia Broadcast and Multicast Service	Rel6	WG SA1	MBMS														
241	31006	Speech Recognition and Speech Enabled Services	Rel6	WG SA1	SRSES														
245	31008	Generic User Profile	Rel6	WG SA1	GUP														
251	31010	Digital Rights Management	Rel6	WG SA1	DRM														
257	31012	FS on WLAN-UMTS Interworking	Rel6	WG SA1	WLAN														
260	31015	Priority Service	Rel6	WG SA1	PRIOR														
263	31018	Network Sharing	Rel6	WG SA1	NTShar														
265	31013	UE Functionality Split	Rel6	WG SA1	UESPLIT														
268	32016	QoS Improvements	NA	WG SA2	QoS1														
270	33002	Support for subscriber certificates	Rel6	WG SA3	SEC1-SC														
271	15010	Rel-6 OSA enhancements	Rel6	WG SA1	OSA3														
279	23004	Shared Network support in connected Mode	Rel6	WG RAN3	NETSHARE														
280	50101	Flow control supporting an MS with multiple data flows	TBD	TSG GERAN	FlowCon														
286	50401	Addition of frequency bands to GSM	Rel6	TSG GERAN	TAPS														
291	0	----- Rel-4 features listed below -----	Rel4																
292	1340	Facsimile	Rel4	WG SA1	FAX														
299	1539	Transparent End-to-End PS mobile streaming application	Rel4	WG SA4	PSTREAM														
300	1818	Multimedia Messaging	Rel4	WG T2	MMS														
307	1541	Transcoder-Free Operation	Rel4	WG CN4	TrFO														
317	2310	GERAN improvements 1 (Gb over IP)	Rel4	TSG GERAN	GEIMP1														
321	2314	GERAN improvements 2 (NACC)	Rel4	TSG GERAN	GEIMP2														
331	2324	GERAN improvements 4 (Delayed TBF)	Rel4	TSG GERAN	GEIMP4														
338	1222	Low Chip Rate TDD option	Rel4	WG RAN1	LCRTDD														
351	1322	Enable bearer independent CS architecture	Rel4	WG SA2	CSSPLIT														

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363	1445	MExE enhancements Rel-4	Rel4	WG T2	MEXE	◆													
372	1631	Tandem Free aspects for 3G and between 2G and 3G sys	Rel4	WG SA4	TFO														
378	2230	Advanced Speech Call Items enhancements_REL-4	Rel4	WG CN1	ASCI														
381	2403	700 MHz spectrum support	Rel4	TSG GERAN	700SS	◆													
390	2463	Operator Determined Barring for Packet Oriented Servi	Rel4	TSG CN	ODB														
391	2546	UMTS QoS Architecture for PS Domain	Rel4	WG SA2	QoSPS	◆													
410	1993	small Technical Enhancements and Improvements for Re	Rel4	Generic	TE4														
411	400002	Rel-4 Evolutions of the transport in the UTRAN	NA	TSG RAN	ETRAN	◆													
416	400004	Rel-4 Evolutions of the transport in the CN	NA	WG CN4	CNTRSP														
424	401216	Rel-4 Improvements of Radio Interface	NA	TSG RAN	RInImp	◆													
439	400009	Rel-4 RAN improvements	NA	TSG RAN	RANimp	◆													
446	401652	Rel-4 Emergency call enhancements	NA	WG CN1	EMC1	◆													
453	401826	Rel-4 Terminal interfaces	NA	WG T2	TI														
460	401536	Rel-4 Location Services enhancements	NA	WG SA2	LCS1														
473	401560	Rel-4 UICC/(U)SIM enhancements and interworking	NA	WG T3	UICC1														
475	401800	Rel-4 (U)SIM toolkit enhancements	NA	WG T3	USAT1														
477	401571	Rel-4 Security enhancements	NA	WG SA3	SEC1														
487	401142	Rel-4 Charging and OAM&P	NA	WG SA5	OAM														
494	1517	Global Text Telephony	I Indep	WG SA2	GTT	◆													
502	0	----- Rel-5 features listed below -----	Rel5																
503	625	IP transport in the UTRAN	Rel5	WG RAN3	ETRAN-IPtrans														
504	2455	FS on Usage of SUA	Rel5	WG CN4	SS7IP														
505	2476	High Speed Downlink Packet Access	Rel5	WG RAN2	HSDPA	◆													
510	501216	Rel-5 Improvements of Radio Interface	NA	TSG RAN	RInImp	◆													
528	500009	Rel-5 RAN improvements	NA	TSG RAN	RANimp	◆													
548	1273	Provisioning of IP-based multimedia services	NA	WG SA1	IMS	◆													
624	34001	Extended Transparent End-to-End PS Streaming Service	Rel5	WG SA4	PSS-E	◆													
628	501637	Rel-5 OSA enhancements	NA	WG SA1	OSA1	◆													

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650	1638	CAMEL phase 4	Rel5	WG SA1	CAMEL4	█	◆												
664	2464	Rel-5 MExE enhancements	Rel5	WG T2	MEXE5														
666	1625	Wideband Telephony Service - AMR	Rel5	WG SA4	AMRWB	sting						◆							
702	2573	Terminal local model enhancements	Rel5	WG T2	TLM5														
703	1536	Rel-5 Location Services enhancements	Rel5	WG SA2	LCS1														
745	501800	Rel-5 (U)SIM toolkit enhancements	NA	WG T3	USAT1														
756	501571	Rel-5 Security enhancements	NA	WG SA3	SEC1	█	◆												
765	2243	Intra Domain Connection of RAN Nodes to Multiple CN N	Rel5	WG SA2	IUFLEX	█	◆												
776	2320	GERAN improvements 3 (new transport layer on interface	Rel5	TSG GERAN	GEIMP3							◆							
780	501142	Rel-5 Charging and OAM&P	NA	WG SA5	OAM	█						◆							
785	2392	GERAN enhancements for streaming services 1 (RLC en	Rel5	TSG GERAN		█	◆												
788	2396	GERAN enhancements for streaming services 2 (usage c	Rel5	TSG GERAN		█	◆												
794	2412	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	Rel5	N;WG RAN3	GERUEV1	█	◆												
798	2416	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)	Rel5	N;WG RAN3	GERUEV2	█	◆												
802	2556	End to End QoS for PS Domain including IMS	Rel5	WG SA2	E2EQoS	█	◆												
806	2569	Messaging enhancements Rel-5	Rel5	WG T2	MESS5	█	◆												
815	50001	GERAN Inter BSC NACC improvements over the Gb Inte	Rel5	TSG GERAN	GERNACC	█	◆												
822	50033	Enhanced Power Control	Rel5	TSG GERAN	EPC													◆	
826	50037	8PSK AMR HR	Rel5	TSG GERAN	8PSK-AH	█												◆	
838	13000	Service Change and UDI Fallback	Rel5	WG CN3	SCUDIF	█													
839	501800	Rel-5 (U)SIM toolkit enhancements	NA	WG T3	USAT1														
849	30001	small Technical Enhancements and Improvements for Re	Rel5	Generic	TEI5														



Project: 3GPP_Work Plan Date: Thu 01/08/02	Critical		Baseline Milestone		Rolled Up Split	
	Critical Split		Milestone		Rolled Up Task Progress	
	Critical Progress		Summary Progress		Rolled Up Baseline	
	Task		Summary		Rolled Up Baseline Milestone	
	Split		Rolled Up Critical		Rolled Up Milestone	
	Task Progress		Rolled Up Critical Split		External Tasks	
	Baseline		Rolled Up Critical Progress		Project Summary	
	Baseline Split		Rolled Up Task			