

3GPP Work Plan – Cover page

Version 2001, September 19th

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

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).

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

For general comments, contact Alain Sultan at: 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 July 11th and September 19th

Inputs have been received from:

T1, T2, RAN1, RAN2, RAN3, RAN4, SA2, SA4, CN1, CN2, CN3, CN4, GERAN

The IMS feature is proposed to be completely restructured. See companion contribution on this topic. The changes have not been included to this version: this will be done as soon as SA will approve the proposal in the separate contribution.

GERAN has deeply restructured its activities, proposing many new Building Blocks¹.

Unique_ID 2542 (Feature "Streaming Service") and the child BB in 2543 were conflicting with UID 34001 (Feature "Extended Transparent End-to-End Packet Switched Streaming Service") and related BBs. This was an error and UID 2542 and 2543 have been deleted. The "% completed" reported by S1 on UID 2543 is now shown on UID 34002.

The Work Task with UID 2254 (" Stage3" of " UE triggered authentication during connections", belonging to the feature " Security enhancements") has been deleted by N1.

Feature in UID 2544 has been renamed (from "Enhancement of Broadcast and Introduction of Multicast" to "Multimedia Broadcast and Multimedia Service").

BB in UID 2017 ("CAMEL applicability to media streams like VoIP") has been deleted and will be replaced by CAMEL applicability to the IMS (see contribution on IMS restructuring).

¹ As a reminder, we can note that all the new WIs can be easily found in the WP: for these WIs, the blue lines in the tracking Gantt chart are not underlined by black lines, meaning there were no previous start/end date.

BB in UID 1572 ("Protection for user plane data") and children WT (UID 1573 and 1575) have been deleted by SA3 due to lack of support.

UID 2575 ("Network Domain Security; MAP application layer security") has been deleted: redundant with UID 1583 ("MAP application layer security")

UID2470 ("Gated DPCCCH Transmission"), belonging to the feature "Improvements of Radio Interface" has been deleted by N1.

UID 2513 ("UE issues" of "Display of Service Provider name on UE") has been deleted by T2.

(detailed inputs available at: ftp://ftp.3gpp.org/Information/WORK_PLAN/inputs_considered)

Comments

The following Features need to be restructure:

- VHE/OSA

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.

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 11th) instead of the "simple" Gantt used before. This means that bellow 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 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, 1st.
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, 1st) to provide the date of the latest modification of the WI.

History

This section is reset after each plenary meeting.

ID	Unique_ID	Name	Release	Split	Resou	Qtr 2, 2001				Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002			Qtr 2, 2002			
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	2044	VERSION 2001 September 19th		No																		
2	1462	"CTRL + a" to display all the 3GPP fields		No																		
3	2058	Content of Rel4 frozen. Rel5 and after not frozen.		No																		
4																						
5	96			No																		
6	2	Evolutions of the transport in the UTRAN	NA	Yes	3 RAN																	
7	625	IP transport in the UTRAN	Rel5	No	RAN3																	
8	12	QoS optimisation for AAL2 connections over lub and lu	Rel4	No	RAN3																	
9	1995	Transport bearer modification procedure on lub, lur, and	Rel4	No	RAN3																	
10	2257	Evolution of transport in UTRAN and GERAN	Rel5	No	RAN3																	
11	2258	Addition of transport mechanisms other than ATM for lu - Identificati		No	RAN3																	
12	2259	Addition of transport mechanisms other than ATM for lu - Specificat		No	RAN3																	
13	1834	Conformance Test Aspects		No	WG T1																	
14	2208	Testing RAB support enhancements		No	WG T1																	
15	4	Evolutions of the transport in the CN	NA	Yes	3 CN4																	
16	859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel4	No	3 CN4																	
17	1679	Stage 3		No	3 CN4																	
18	2018	CAP		Yes	G CN2																	
19	2019	MAP		No	G CN4																	
20	2253	BSSAP+		No	G CN1																	
21	2455	FS on Usage of SUA	Rel5	No	G CN4																	
22	1513	FS on Transport and control separation in the PS CN dc	Rel4	No	G SA2																	
23	1615	Architectural impacts		No	G SA2																	
24	2476	High Speed Downlink Packet Access	Rel5	No	RAN2																	
25	2477	Physical Layer		No	RAN1																	
26	2478	Layer 2 and 3 aspects		No	RAN2																	
27	2479	lub/lur protocol aspects		No	RAN3																	
28	2480	RF Radio Transmission/ Reception, System Performanc		No	RAN4																	

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29	1216	Improvements of Radio Interface	NA	Yes	RAN																		
30	1470	Improvement of inter-frequency and inter-system meas	Rel5	No	RAN1																		
31	1471	Base station classification	Rel5	No	RAN4																		
32	1476	FDD Base station classification		No	RAN4																		
33	1477	TDD Base station classification		No	RAN4																		
34	24002	Base Station Classification for 1.28 Mcps TDD option		No	RAN4																		
35	1217	Hybrid ARQ II/III	Rel5	No	RAN2																		
36	1218	Improved usage of downlink resource in FDD for CCTrC	Rel5	No	RAN2																		
37	1507	Terminal Power Saving features	Rel5	No	RAN2																		
38	1509	UTRA repeater specification (master)	Rel4	No	RAN4																		
39	1994	DSCH power control improvement in soft handover	Rel4	No	RAN1																		
40	1996	UMTS 1800	Rel4	No	RAN4																		
41	2467	UMTS 1900	Rel5	No	RAN4																		
42	2468	Multiple Input Multiple Output antennas (MIMO)	Rel6	No	RAN1																		
43	2469	Enhancement on the DSCH hard split mode	Rel5	No	RAN1																		
44	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel5	No	RAN1																		
45	1506	FS on Radio link performance enhancements	Rel5	No	RAN1																		
46	1219	FS on High Speed downlink packet access		No	RAN2																		
47	1221	FS on USTS	Rel5	No	RAN1																		
48	1510	FS on improved common DL channel for Cell-FACH stat		No	RAN2																		
49	1997	FS on UE antenna efficiency test method performance r	Rel5	No	RAN4																		
50	2494	FS on the re-introduction of the downlink SIR measurer	Rel5	No	RAN4																		
51	24001	FS on UTRA WideBand Distribution Systems	Rel5	No	RAN4																		
52	2493	FS on mitigating the effect of CPICH interference at the	Rel5	No	RAN4																		
53	1839	Conformance Test Spec. improvements in Radio Interfa		No	VG T1																		
54	2210	Testing improvement of inter-frequency and inter-system measurem		No	VG T1																		
55	2211	Testing Hybrid ARQ II/III		No	VG T1																		
56	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs c		No	VG T1																		

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57	2213	Testing Terminal Power saving features		No	VG T1	[Bar]																		
58	2214	Testing DSCH power control improvement in soft handover		No	VG T1	[Bar]																		
59	2215	Testing UMTS 1800		No	VG T1					[Bar]														
60	41000	Testing UMTS 1900		No	VG T1					[Bar]														
61	2561	Testing UMTS 1800 - TTCN		No	VG T1					[Bar]														
62	41001	Testing UMTS 1900 - TTCN		No	VG T1					[Bar]														
63	1222	Low Chip Rate TDD option	Rel4	No	RAN1	Start Testing																		
64	1223	Physical layer		No	RAN1	[Bar]																		
65	1224	Layer 2 and layer 3 protocol aspects		No	RAN2	[Bar]																		
66	1225	RF radio transmission/reception, system performance r		No	RAN4	[Bar]																		
67	1227	UE radio access capability		No	RAN2	[Bar]																		
68	1228	lub/lur protocol aspects		No	RAN3	[Bar]																		
69	2262	Low chiprate TDD interworking with GERAN		No		Start Testing																		
70	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD		No		Start Testing																		
71	1911	Start Testing		No	MLST	Start Testing																		
72	2103	Conformance Test Aspects - Low Chip Rate TDD		No	VG T1	Start Testing																		
73	2216	Testing Physical Layer		No	VG T1	[Bar]																		
74	2217	Testing Layer 2 and layer 3 protocol aspects		No	VG T1					[Bar]														
75	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN		No	VG T1					[Bar]														
76	2218	Testing RF Radio Transmission and Reception		No	VG T1					[Bar]														
77	2219	Testing UE radio access capability		No	VG T1	[Bar]																		
78	9	RAN improvements	NA	Yes	3 RAN	Start Testing																		
79	656	RRM optimization for lur and lub	Rel5	No	RAN3	Start Testing																		
80	23000	lur common transport channel efficiency optimisation		No	RAN3	[Bar]																		
81	23001	lur neighbouring cell reporting efficiency optimisation		No	RAN3	[Bar]																		
82	23002	Introduction of direct transport bearers between SRNC and Node-B		No	RAN3					[Bar]														
83	2488	RL Timing Adjustment	Rel5	No	RAN3	[Bar]																		
84	2489	Separation of resource reservation and radio link activ	Rel5	No	RAN3	[Bar]																		

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85	2490	Improvement of Radio Resource Management across R	Rel5	No	RAN3																		
86	2491	Re-arrangements of lub transport bearers	Rel5	No	RAN3																		
87	23003	SRNS Relocation Procedure Enhancement	Rel5	No	RAN3																		
88	655	Node B synchronisation for TDD	Rel4	No	RAN1																		
89	624	RAB support enhancement - except Robust Header Com	Rel5	No	RAN2																		
90	2206	RAB support enhancement - Robust Header Compressio	Rel4	No	RAN2																		
91	1680	Header compression removal/stripping in the RAN	Rel5	No	G RAN																		
92	1686	Unequal error protection in PS domain in the RAN	Rel5	No	G RAN																		
93	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	No	RAN1																		
94	1912	Start Testing		No	MLST	◆ Start Testing																	
95	2102	Conformance Test Aspects - RAN Improvements		No	VG T1	▶																	
96	2220	Testing Smart antenna		No	VG T1																		
97	2221	Testing Node B synchronisation for TDD		No	VG T1																		
98	2222	Testing Radio access bearer support enhancements		No	VG T1																		
99	2461	Testing RAB support enhancements-Robust Header Compression		No	VG T1																		
100	1273	being restructured - Provisioning of IP-based multim	Rel5	No	G SA1	◆ MLST: Stage 3 for basic calls ◆																	
101	1274	Call control and roaming to support IMS in UMTS		No	G SA2	◆ MLST: Stage 3 for basic calls ◆																	
102	1633	Stage 1		No	G SA1																		
103	1514	Stage 2 (Architecture and Main flows)		No	G SA2																		
104	1277	FS on Impacts on HSS		No	G CN4																		
105	2233	SIP Call Control protocol for the IMS		No	G CN1	◆																	
106	1998	IMS signalling flows		No	G CN1																		
107	1278	IMS stage 3		No	G CN1																		
108	2255	IMS Session Handling; stage 2		No	G CN1																		
109	2521	IETF: draft-ietf-sip-rfc2543bis-02 (Session Initiation Protocol)		No	G CN1																		
110	2522	IETF: draft-sip-manyfolks-resource-01 (Without COMET)(Integra		No	G CN1																		
111	2523	IETF: draft-ietf-sip-100rel-02 (Reliability of Provisional Response		No	G CN1																		
112	2524	IETF: draft-ietf-sip-privacy-01 (SIP extensions for caller identity		No	G CN1																		

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113	2525	IETF: draft-ietf-sip-call-auth-01 (SIP extensions for media autho		No	G CN1																
114	2526	IETF: draft-roach-sip-subscribe-notify-03 (Event Notification in S		No	G CN1																
115	1673	MLST: Stage 3 for basic calls		No	MLST	◆ MLST: Stage 3 for basic calls															
116	1280	SIP SS and relationship to Mg, Mw and Cx		No	G CN4																
117	1281	Multimedia Capabilities		No	G CN1																
118	1282	Terminal capabilities		No	G CN1																
119	1806	DEL: Terminal capabilities and Interactions on running multimedia		No	VG T2																
120	1805	Network capabilities		No	G CN1																
121	1285	Network capabilities (N4 aspects)		No	G CN4																
122	2529	UE Functionality Split		No	G SA1																
123	1286	CSCF – HSS (Cx) applications and services (SCP)		No	G SA2																
124	1515	Stage 2 flows		No	G SA2																
125	2021	Stage 2 flows (N4) (see note)		No	G CN4																
126	2023	Impacts from CAMEL		No	G CN4																
127	1288	Impact on Camel Stage 3		No	G CN2																
128	1289	Impact on MAP		No	G CN4																
129	2024	Stage 3 protocol on Cx		No	G CN4																
130	1290	Addressing, Identities		No	G SA2																
131	1291	Architectural issues		No	G SA2																
132	1292	Impact on HSS		No	G CN4																
133	1294	Interworking with other multimedia protocols		No	G CN3																
134	1296	Impact on MM/CC/SM		No	G CN1																
135	2047	Interworking between IMS and CS networks		No	G CN3																
136	2048	Interworking between IMS and IP networks		No	G CN3																
137	2530	Service Examples		No	G SA1																
138	2531	IMS Framework Report		No	G SA1																
139	1298	Access Security for IMS		No	G SA3																
140	2574	Security Aspects of Requirement for Network Configura		No	G SA3																

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141	1299	Lawful interception		No	G SA3	■															
142	1300	RAN improvements and evolution of the bearers on the		No	G RAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
143	2242	Charging Management for IMS		No	G SA5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
144	1303	(copy) Charging and OAM&P		No	G SA5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
145	1598	(Copy) AMR-WB		No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
146	1305	Roaming between IMS and CS domain networks (roami		No	G CN4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
147	1457	Roaming requirements		No	G SA1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
148	1306	Stage 2		No	G SA2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
149	1307	Stage 2 review		No	G CN4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
150	1456	Internetwork roaming aspects		No	?	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
151	2227	MExE interactions		No	VG T2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
152	2228	MMS interactions		No	VG T2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
153	1310	Support of VHE/OSA by entities and protocols of the IM!		No	G CN5	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
154	12000	Support of CAMEL by the IMS		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
155	1732	Number portability in IMS		No	G CN4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
156	2036	Multimedia codecs and protocols for conversational PS		No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
157	2039	Codecs		No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
158	2040	performance characterisation of codec		No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
159	2038	protocols		No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
160	31002	Pre-pay/real-time charging in IMS		No	G SA1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
161	1913	Start Testing		No	MLST	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
162	1844	Conformance Test Aspects - Provisioning of IMS		No	VG T1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
163	1539	Transparent End-to-End PS mobile streaming applica	Rel4	No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
164	34001	Extended Transparent End-to-End PS Streaming Ser	Rel5	No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
165	34002	Stage 1		No	G SA1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
166	34003	Stage 2		No	G SA4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
167	1652	Emergency call enhancements	NA	Yes	G CN1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
168	1653	For IP & PS based calls	Rel5	No	G CN1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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169	1314	Service Requirements for IP-based emergency calls		No	G SA1	[Bar]															
170	1315	SIP emergency calls and packet emergency calls signalling flows		No	G CN1	[Bar]															
171	1316	Stage 2 for emergency calls and packet emergency calls in general		No	G SA2	[Bar]															
172	1317	Distinction of emergency call types to different emergency services		No	G CN1	[Bar]															
173	1646	Stage 3 for emergency calls and packet emergency calls in general		No	G CN1	[Bar]															
174	1654	For CS based calls	Rel4	No	G CN1																
175	1320	Distinction in CS domain of emergency call types to different emergency services		No	G SA1																
176	1999	Distinction in CS domain of emergency calls to different emergency services		No	G CN1																
177	2224	Conformance Test Aspects - Emergency call enhancement		No	VG T1																
178	2225	Testing Stage 3 for emergency calls and packet emergency calls in general		No	VG T1																
179	2226	Testing CS based emergency calls		No	VG T1																
180	2563	Testing CS based emergency calls - TTCN		No	VG T1																
181	1322	Enable bearer independent CS architecture	Rel4	No	G SA2	Start Testing															
182	1323	Enable bearer-independent call control		No	G CN4	[Bar]															
183	1516	Architecture and Stage 2 description		No	G SA2																
184	1325	Standardisation of protocols (control & user planes) over Nb interface		No	G CN3	[Bar]															
185	1326	Standardisation of protocols over reference points between MSC server and MGW		No	G CN4	[Bar]															
186	1616	Standardisation of detailed stage 2 description		No	G CN4	[Bar]															
187	1327	Bearer control between MSC server and MGW		No	G CN4	[Bar]															
188	1328	stage 3 - protocol issues		No	G CN4	[Bar]															
189	1329	stage 3 - parameter value issues		No	G CN3	[Bar]															
190	1331	Lawful interception		No	G SA3	[Bar]															
191	1332	Bearer Independence and codec control issues		No	G SA4	[Bar]															
192	1918	Start Testing		No	MLST	Start Testing															
193	2052	Conformance Test Aspects - Enable bearer independent CS		No	VG T1	[Bar]															
194	1847	UE Conformance test spec., Bearer independent CS, Protocol		No	VG T1	[Bar]															
195	1848	UE Conformance test spec., Bearer independent CS, TTCN		No	VG T1	[Bar]															
196	1340	Facsimile	Rel4	No	G SA1																

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197	1341	Real Time Fax		No	G SA2																	
198	1808	Terminal capabilities, AT commands		No	VG T2																	
199	1343	Signalling aspects (e.g. ICM)		No	G CN1																	
200	1648	Service provision		No	G CN3																	
201	1345	Review whether service/stage 1 aspects need to be aligned		No	G SA1																	
202	1346	Review whether architecture/stage 2 aspects need to be aligned		No	G SA2																	
203	2041	Start Testing		No	MLST																	
204	1851	Conformance Test Aspects - Facsimile		No	VG T1																	
205	1517	Global Text Telephony	Rel5	No	G SA2																	
206	1634	Stage 1		No	G SA1																	
207	1519	Stage 2		No	G SA2																	
208	2234	Specification of Cellular Text telephone Modem		No	G SA4																	
209	2238	General description and C-code		No	G SA4																	
210	2237	Minimum Performance requirements		No	G SA4																	
211	1809	Terminal Aspects		No	VG T2																	
212	1915	Start Testing		No	MLST																	
213	1852	Conformance Test Aspects - Global Text telephony		No	VG T1																	
214	1367	VHE enhancements	NA	Yes	G SA1																	
215	2498	Global Stage 1 for VHE Enhancements		No	G SA1																	
216	1368	Detailed definition of the VHE user profile	Rel5	No	G SA2																	
217	1404	Stage 2		No	G SA2																	
218	2123	Enhanced Subscription Management & User Profile		No	G SA5																	
219	2104	Extensions to existing (and possibly new) toolkits	Rel5	No	G SA2																	
220	2106	Stage 2		No	G SA2																	
221	2107	Stage 3 (wait for stage 2)		No																		
222	2108	Interaction between toolkits to enable IMS	Rel5	No	G SA2																	
223	2110	Stage 2		No	G SA2																	
224	2111	Stage 3 (wait for stage 2)		No																		

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225	2112	Transparent roaming for services	Rel5	No	G SA2																						
226	2114	Stage 2		No	G SA2																						
227	2115	Stage 3 (wait for stage 2)		No																							
228	2532	Charging	Rel5	Yes	G SA2																						
229	2533	Stage 2		No	G SA2																						
230	2534	Stage 3		No	G SA5																						
231	2535	Other VHE Enhancements	Rel5	Yes	G SA2																						
232	2536	Stage 2		No	G SA2																						
233	2537	Stage 3		No	G SA2																						
234	1637	OSA enhancements	NA	Yes	G SA1																						
235	2120	General Stage 2		No	G SA2																						
236	1424	Interactions OSA - e-commerce	Rel4	No	G SA2																						
237	1425	Stage 1		No	G SA1																						
238	1529	Stages 2 and 3		No	G CN5																						
239	1429	OSA APIs for MuMa CC	Rel5	No	G SA2																						
240	1430	Stage 1		No	G SA1																						
241	1530	Stages 2 and 3		No	G CN5																						
242	1419	OSA security	Rel5	No	G SA3																						
243	2121	Stage 1		No	G SA1																						
244	1420	Stage 2		No	G SA2																						
245	1421	Stage 3		No	G SA3																						
246	1422	security related SCF(s) definition		No	G CN5																						
247	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF		No	G SA3																						
248	1621	impact on terminal		No	VG T2																						
249	1433	Retrieval of Terminal capabilities	Rel5	No	G SA2																						
250	1434	Stage 1		No	G SA1																						
251	1436	Stages 2 and 3		No	G CN5																						
252	2122	Provisioning of the terminal capabilities		No	VG T2																						

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253	1786	LCS - OSA interfaces	Rel4	No	G SA1	■	◆														
254	1787	Stage 1		No	G SA1																
255	2124	Stage 2		No	G SA2																
256	1788	Stage 3		No	G CN5	■															
257	2538	Interaction with Rel-5 features	Rel5	No	G SA1		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
258	2539	Access to Presence information		No	G SA1		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
259	2540	Access to User Profile		No	G SA1		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
260	2541	Policy Management		No	G SA1		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
261	2519	OSA Stage 3	Rel5	No	G CN5		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
262	2116	(copy) Charging and OAM&P	Rel5	No	G SA5	■															
263	1638	CAMEL phase 4	Rel5	No	G SA1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	◆
264	1461	Service requirements		No	G SA1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
265	2011	Charging notification to the CSE		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
266	2012	Call Party Handling		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
267	2013	Mid call procedure for MO and MT calls		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
268	2014	Interactions with Optimal Routing		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
269	2015	Inclusion of flexible tone injection		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
270	2016	CSE control over MT SMS		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
271	2460	Notification of GPRS mobility management to CSE		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
272	2459	Enhancement of dialled services		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
273	2458	Provision of location information of called subscriber		No	G CN2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
274	2514	Inclusion of ODB data in the CSE_HLR interface		No	G CN2					■	■	■	■	■	■	■	■	■	■	■	■
275	2515	Location information during an ongoing call (Handover)		No	G CN2				■	■	■	■	■	■	■	■	■	■	■	■	■
276	2516	GPRS Any Time Interrogation		No	G CN2					■	■	■	■	■	■	■	■	■	■	■	■
277	1445	MExE enhancements Rel-4	Rel4	No	VG T2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	◆
278	1447	MExE Security Analysis Activity		No	G SA3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	◆
279	2045	Stage 3		No	G SA3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
280	1448	Terminal aspects		No	VG T2																

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281	1810	MExE Rel4 Improvements and Investigations		No	VG T2																	
282	1812	3rd MExE classmark		No	VG T2																	
283	1814	FS on Secure download mechanism and capabilities to support SDR		No	VG T2																	
284	1815	FS on Support of MP3/MPEG4 content		No	VG T2																	
285	2464	MExE enhancements Rel-5	Rel5	No	VG T2																	
286	2465	MExE Rel-5 Security Analysis		No	VG T2																	
287	2466	MExE Rel-5 Improvements and Investigations		No	VG T2																	
288	1625	Wideband Telephony Service - AMR	Rel5	No	G SA4																	
289	62	Specification		No	G SA4																	
290	1459	Design Constraints		No	G SA4																	
291	1460	General Description		No	G SA4																	
292	1626	Feasibility Study		No	G SA4																	
293	67	Codec issues		No	G SA4																	
294	1627	Codec qualification		No	G SA4																	
295	74	Codec selection tests		No	G SA4																	
296	891	Codec selection		No	G SA4																	
297	890	Other codec issues (verif., characterisation)		No	G SA4																	
298	1989	Start Testing		No	MLST																	
299	1855	Conformance tests (CRs to 34 series)		No	VG T1																	
300	76	Terminal Acoustic Characteristics		No	G SA4																	
301	1628	Definition		No	G SA4																	
302	1629	Test specification		No	G SA4																	
303	889	Implementation		No	G SA4																	
304	893	In UTRAN		No	G RAN																	
305	80	Support of AMR-WB in GERAN		No	iERAN																	
306	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 45.00		No	iERAN																	
307	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A inte		No	iERAN																	
308	2267	GMSK and 8PSK WB FR / HR support - Signalling for lu		No	iERAN																	

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309	2268	Receiver performance in TS 45.005		No	GERAN																		
310	2269	GERAN MS conformance test for AMR-WB		No	GERAN																		
311	2270	MS test		No	GERAN																		
312	2271	GERAN BTS conformance test for AMR-WB		No	GERAN																		
313	2272	BTS test		No	GERAN																		
314	1656	In CN, see notes		No	G CN1																		
315	1541	Transcoder-Free Operation	Rel4	No	G CN4																		
316	112	OoBTC solution		No	G CN4																		
317	1512	implementation in UTRAN		No	RAN3																		
318	896	Impact on architecture, Principles and Terminology		No	G SA2																		
319	1657	Codec Negotiation between UE and MSC		No	G CN1																		
320	115	Codec Negotiation inter MSC		No	G CN4																		
321	894	Bearer establishment inter MSC		No	G CN4																		
322	1617	Prevention of user fraud		No	G SA3																		
323	905	Speech Transcoder: Location and Control at the UMTS		No	G SA2																		
324	124	Transcoder at Edge		No	SG CN																		
325	1631	Tandem Free aspects for 3G and between 2G and 3G	Rel4	No	G SA4																		
326	1632	Tandem Free AMR		No	G SA4																		
327	130	Specification		No	G SA4																		
328	907	Impact on:		No	3G CN																		
329	131	CN		No	SG CN																		
330	132	GERAN		No	GERAN																		
331	1818	Multimedia Messaging	Rel4	No	VG T2																		
332	136	Definition of service requirements		No	G SA1																		
333	1819	Review of definition of service requirements		No	VG T2																		
334	1820	Technical Realisation		No	VG T2																		
335	1821	Review of definition of reference Achitecture model		No	VG T2																		
336	1822	"Fulfill Requirements of Stage 1"		No	VG T2																		

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337	1823	Definition of MMS primitives in Stage 2		No	VG T2																
338	1826	Terminal interfaces	NA	Yes	VG T2	◆															◆
339	1827	AT commands enhancements	Rel4	No	VG T2	◆															
340	1828	Specification of AT commands for new services		No	VG T2																
341	1858	UE Conformance test spec. AT command		No	VG T1																
342	1829	Wide Area Data Synchronisation	NA	Yes	VG T2	◆															◆
343	1830	Continues evolution of Synchronisation protocol	Rel4	No	VG T2																
344	1831	vObjects and Other Constructs for Use in Data Synchronisation	Rel5	No	VG T2																
345	2251	Start Testing		No	MLST	◆															
346	1860	UE Conformance test spec. Wide area data sync		No	VG T1																
347	1832	Terminal local model	Rel4	No	VG T2																
348	2573	Terminal local model enhancements	Rel5	No	VG T2																
349	1536	Location Services enhancements	NA	Yes	G SA2	◆															◆
350	2229	CBS interactions	Rel4	No	VG T2																
351	523	LCS support in the CS domain	Rel4	No	G SA2																
352	525	LCS support in the PS domain	Rel4	No	G SA2																◆
353	1642	Stage 1		No	G SA1																
354	1181	Stage 2		No	G SA2																
355	1180	Stage 3		No	G CN1																◆
356	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-		No	G CN1																
357	2462	MAP impacts of LCS		No	G CN4																
358	527	GTP signaling for LCS		No	G CN4																
359	1600	UE positioning	NA	No	G RAN	◆															◆
360	1601	Iub/Iur interfaces for methods Rel 99	Rel4	No	RAN3																
361	1602	UE positioning enhancements - IPDL for TDD	Rel4	No	RAN2																
362	2457	UE positioning enhancements - other methods	Rel5	No	RAN2																
363	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	RAN2																
364	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN R	Rel5	No	RAN2																

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365	1603	(Copy) UTRA repeater specification		No	RAN4	■																
366	1171	Event based and Periodic LCS	Rel5	No	G SA1	■	■	■	◆													
367	1641	Stage 1		No	G SA1	■																
368	1538	Stage 2 specification		No	G SA2	■																
369	1179	Impact on MAP		No	G CN4	■	■	■														
370	2436	Location Services for GERAN in A/Gb Mode	Rel5	No	iERAN	■	■	■	◆													
371	2437	GERAN LCS Stage 2 (first release)		No	G SA2	■	■	■														
372	2438	Gb interface support for LCS		No	iERAN	■	■	■	■													
373	2439	RLC/MAC protocol support for LCS		No	iERAN	■	■	■														
374	2440	L3 protocol support for LCS		No	iERAN	■	■	■														
375	2441	Stage 3 specifications		No	iERAN	■	■	■														
376	2442	Location Services for GERAN in Iu Mode	Rel5	No	iERAN	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
377	2443	GERAN LCS Stage 2 (second release)		No	G SA2	■	■	■														
378	2444	Iu-ps interface support for LCS		No	G SA2	■	■	■														
379	2445	Iu-cs interface support for LCS		No	G SA2	■	■	■														
380	2446	Iur-g interface support for LCS		No	G SA2	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■
381	2447	RRC protocol support for LCS		No	G SA2	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■
382	2448	Additional impacts on Broadcast of LCS data on packet channels		No	G SA2	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■
383	2449	Stage 3 specifications		No	G SA2	■	■	■														■
384	2125	Open SMLC-SRNC Interface within the UTRAN to support	Rel5	No	RAN2	■	■	■	◆													
385	2127	Stage 2		No	G SA2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
386	2126	Stage 3		No	RAN2	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■
387	32001	Enhanced support for user privacy and subscriber data	Rel5	No	G SA2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
388	544	LCS interoperation stage 2 aspects		No	G SA2	■	■	■														
389	2434	LCS interoperability aspects to GERAN		No	iERAN	■	■	■	◆													
390	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2		No	RAN1	■	■	■														
391	2450	GERAN MS Conformance test for LCS		No	RAN4	■	■	■	◆													
392	2451	MS test		No	RAN4	■	■	■			■	■	■	■	■	■	■	■	■	■	■	■

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393	2452	GERAN BTS Conformance test for LCS		No	RAN3								♦											
394	2453	BTS test		No	RAN3										♦									
395	1796	(Copy) LCS application interfaces (LCS-OSA)		No	G SA1																			
396	1183	FS on LCS support in the IMS		No	G SA1																			
397	519	(copy) Charging and OAM&P	Rel5	No	G SA5																			
398	521	New security aspects of LCS (not identified)	Rel5	No	G SA3																			
399	1560	UICC/(U)SIM enhancements and interworking	NA	Yes	VG T3																			♦
400	1799	Common PCN Handset Specification (CPHS)	Rel4	No	VG T3																			
401	2517	UICC/USIM Transport Protocol	Rel5	No	VG T3																			
402	1800	(U)SIM toolkit enhancements	NA	Yes	VG T3																			♦
403	2034	USAT local link	Rel4	No	VG T3																			
404	1566	Enhancements to (U)SIM toolkit secure messaging	Rel5	No	VG T3																			
405	1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5	No	VG T3																			♦
406	2497	Stage 1		No	VG T3																			
407	2496	Stage 2 and 3		No	VG T3																			
408	2518	Test specification		No	VG T3																			
409	1802	UICC API	NA	Yes	VG T3																			♦
410	2031	Multos API	Rel5	No	VG T3																			♦
411	2032	Specification		No	VG T3																			
412	2033	Test specification		No	VG T3																			
413	1571	Security enhancements	NA	No	G SA3																			♦
414	2099	UE triggered authentication during connections	Rel4	No	G SA3																			
415	1587	Evolution of GSM CS algorithms (e.g. A5/3 developmen	Rel4	No	G SA3																			
416	1588	Evolution of GSM PS algorithms (e.g. GEA 2 deploymen	Rel4	No	G SA3																			
417	1589	Main aspects		No	G SA3																			
418	1618	Impact on GTP		No	G CN4																			
419	1661	GEA capability indication in MS CM		No	G CN1																			
420	1583	MAP application layer security	Rel4	Yes	G SA3																			♦

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421	1584	Main aspects		No	G SA3	[Bar]																	
422	2025	Other stage 3 aspects		No	G CN4	[Bar]																	
423	1594	Visibility and Configurability of security	Rel4	No	G SA3	[Bar]																	
424	1576	Network domain security	Rel5	Yes	G SA3	[Bar]																	
425	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, pr		No	G SA3	[Bar]												◆					
426	1578	Main aspects		No	G SA3	[Bar]																	
427	1579	Integration of GTP signalling security architecture		No	G CN4	[Bar]																	
428	1580	User plane protection in core network (e.g., provided by IPsec)		No	G SA3	[Bar]												◆					
429	1581	Main aspects		No	G SA3	[Bar]																	
430	1582	Integration of GTP signalling security architecture		No	G CN4	[Bar]																	
431	2576	IP network layer security (NDS/IP)		No	G SA3	[Bar]																	
432	1586	Key management for core network security		No	G SA3	[Bar]																	
433	2098	Study of network-based denial of service		No	G SA3	[Bar]																	
434	1595	FIGS	Rel5	No	G SA3	[Bar]																	
435	2026	Enhanced HE control of security (including positive autl	Rel6	No	G SA3	[Bar]																	
436	2027	Stage 2		No	G SA3	[Bar]																	
437	2028	FS on Network impacts		No	G CN4							[Bar]											
438	1861	Miscellaneous UE Conformance Testing Activities	NA	Yes	VG T1	[Bar]																	
439	1862	Optimisation of Test Time, RF Aspects (FDD)		No	VG T1	[Bar]																	
440	1863	Optimisation of Test Time, RF Aspects (TDD)		No	VG T1	[Bar]																	
441	1907	Extensions to R99 Test cases		No	VG T1	[Bar]																	
442	2564	Extension to R99 Test cases - TTCN		No	VG T1	[Bar]																	
443	2565	Creation of R99 TCs for TDD - prose		No	VG T1	[Bar]																	
444	2566	Creation of R99 TCs for TDD - TTCN		No	VG T1	[Bar]																	
445	1908	Review all other work items for impact on new or exiting		No	VG T1							[Bar]											
446	1909	Additional signalling tests to cover VHE, OSA, MExE, W		No	VG T1	[Bar]																	
447	1365	Support of Push Services	Rel5	No	G SA2	[Bar]												◆					
448	31004	Stage 1		No	G SA1	[Bar]																	

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449	32000	Stage 2		No	G SA2																		
450	1142	Charging and OAM&P (Master)	NA	Yes	G SA5																		
451	2089	Principles, high level Requirements and Architecture	Rel4	No	G SA5																		
452	2088	Performance Management	Rel4	No	G SA5																		
453	2081	Fault Management	Rel4	No	G SA5																		
454	2082	Configuration Management	Rel4	No	G SA5																		
455	2083	Charging Management	Rel4	No	G SA5																		
456	35000	FS on User Equipment (UE) Management	Rel5	No	G SA5																		
457	2062	Subscription Management	Rel5	No	G SA5																		
458	2071	UTRAN Operations and Maintenance procedures	Rel4	No	G SA5																		
459	1993	small Technical Enhancements and Improvements fo	Rel4	No	eneric																		
460	2230	Advanced Speech Call Items enhancements_REL-4	Rel4	No	G CN1																		
461	2232	Stage 2		No	G CN4																		
462	2231	Stages 2 and 3 on A interface		No	G CN1																		
463	2243	Intra Domain Connection of RAN Nodes to Multiple C	Rel5	No	G SA2																		
464	2244	Overall System Architecture		No	G SA2																		
465	20000	Stage 3: RAN node selecting CN node		No	G RAN																		
466	10000	Stage 3: CN node selection at inter-CN node change		No	SG CN																		
467	2245	RAN work		No	RAN3																		
468	2246	GERAN work		No	:RAN2																		
469	2247	CN work		No	G CN1																		
470	2248	N1 work		No	G CN1																		
471	2249	N4 work		No	G CN4																		
472	2310	GERAN improvements 1	Rel4	No	iERAN																		
473	2311	Gb over IP (Ip-fication of Gb)		No	iERAN																		
474	2312	Concept		No	iERAN																		
475	2313	Changes to 08.16, 08.18		No	iERAN																		
476	2314	GERAN improvements 2 (NACC)	Rel4	No	iERAN																		

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477	2315	Gb enhancements		No	iERAN																	
478	2316	NACC (Network Assisted Cell Change)		No	iERAN																	
479	2420	Concept		No	iERAN																	
480	2317	Changes in 03.64		No	iERAN																	
481	2318	Changes in 04.60		No	iERAN																	
482	2319	Changes in 44.008		No	iERAN																	
483	2320	GERAN improvements 3	Rel5	No	iERAN																	
484	2321	Evolution of the transport for A		No	iERAN																	
485	2322	Definition of a new A/Ater interface Transport Layer option based o		No	iERAN																	
486	2323	Adaptation of the Layer 3 BSSMAP procedures as required		No	iERAN																	
487	2324	GERAN improvements 4 (Delayed TBF)	Rel4	No	iERAN																	
488	2325	Gb enhancements 2		No	iERAN																	
489	2429	stage 2		No	iERAN																	
490	2421	Stage 3 (changes in 44.060)		No	iERAN2																	
491	2327	Definition of enhanced countdown procedure		No	iERAN2																	
492	2328	Definition of enhanced TBF release procedure		No	iERAN2																	
493	2329	Definition of USF=FREE type polling mechanism on PDCH		No	iERAN2																	
494	2330	GERAN support for IMS	Rel5	No	iERAN																	
495	2331	GERAN Header adaptation		No	iERAN																	
496	2332	Definition of compression and removal modes for PDCP protocol		No	iERAN																	
497	2333	Conceptual description in stage 2		No	iERAN																	
498	2334	Necessary changes on stage 3 regarding header removal		No	iERAN																	
499	2335	GERAN Radio access bearer design for IMS		No	iERAN																	
500	2422	MuM control signalling for conversational multimedia services		No	iERAN																	
501	2431	Identification of requirements		No	iERAN																	
502	2337	Necessary modifications due to SIP		No	iERAN																	
503	2338	Physical layer multiplexing		No	iERAN																	
504	2339	Stage 2		No	iERAN																	

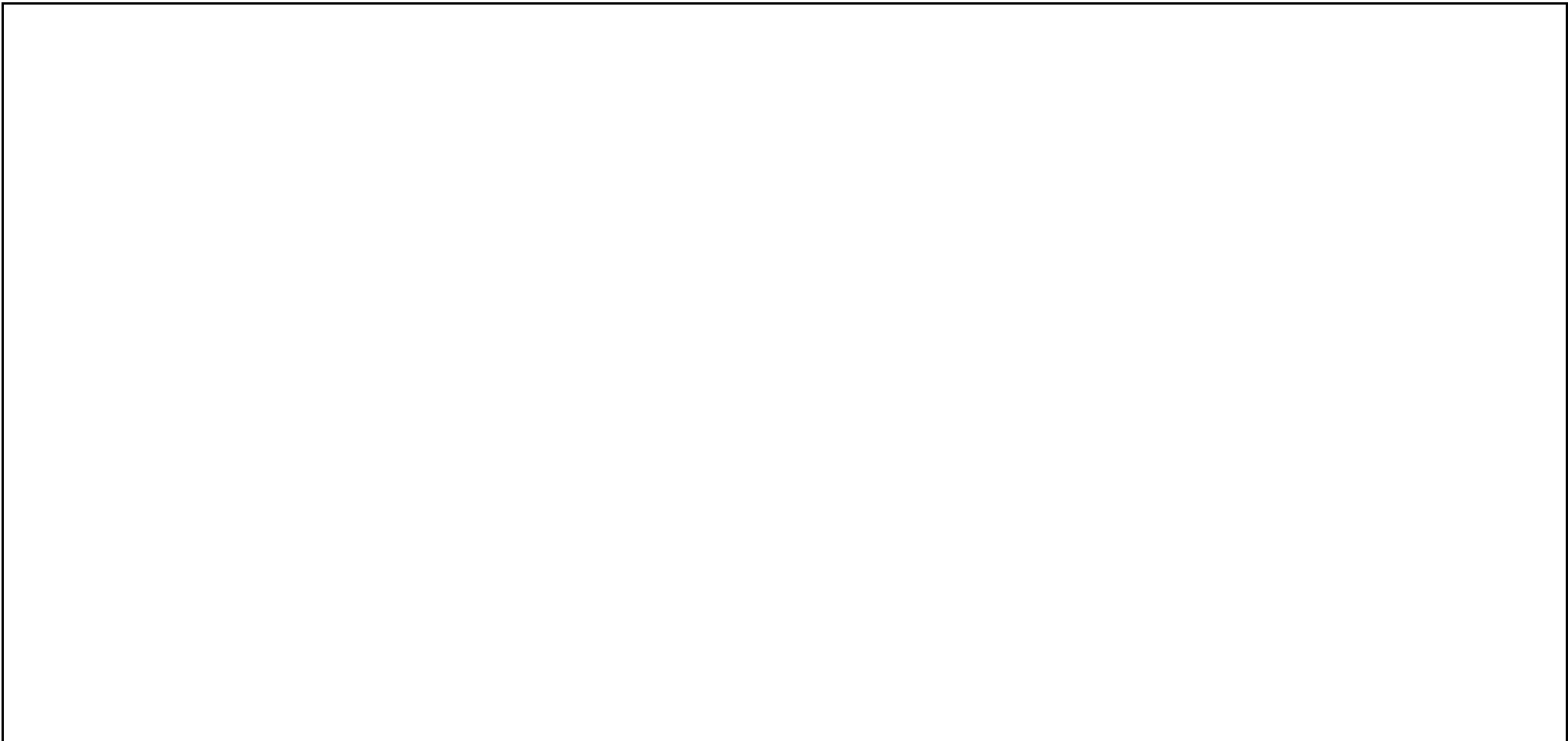
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505	2432	Stage 3		No	:ERAN	[Bar]															
506	2341	GERAN MS Conformance test for support of IMS		No	:ERAN					[Bar]											
507	2342	MS test		No	:ERAN4					[Bar]											
508	2343	GERAN BTS Conformance test for support of IMS		No	:ERAN					[Bar]											
509	2344	BTS test		No	:ERAN3					[Bar]											
510	2345	Alignment of 3G functional split and lu	Rel5	No	:ERAN	[Bar]															
511	2346	GERAN user / control plane		No	:ERAN	[Bar]															
512	2347	Alignment with UMTS bearer concept		No	:ERAN	[Bar]															
513	50300	Enhanced power control		No	:ERAN					[Bar]											
514	2423	Stage 2		No	:ERAN	[Bar]															
515	2348	Adoption of the UTRAN PDCP		No	:RAN2	[Bar]				[Bar]											
516	2349	Development of RLC / MAC		No	:RAN2	[Bar]				[Bar]											
517	2350	Development of GERAN RRC		No	:RAN2	[Bar]				[Bar]											
518	2351	Ciphering and integrity protection Concept paper		No	:RAN2	[Bar]				[Bar]											
519	50302	Multiple TBF or equivalent Concept paper		No	:RAN2	[Bar]				[Bar]											
520	50303	Paging concept		No	:RAN2	[Bar]				[Bar]											
521	2352	Dedicated physical subchannels. Includes traffic and control ch		No	:RAN1	[Bar]															
522	2353	lu support and broadcast concept		No	:RAN2	[Bar]				[Bar]											
523	2354	Impact of using RLC instead of LAPDm concept		No	:RAN2	[Bar]				[Bar]											
524	2355	Contention resolution, mobile station identity, and access conce		No	:RAN2	[Bar]				[Bar]											
525	50304	PDCP concept		No	:RAN2	[Bar]				[Bar]											
526	50305	Downlink delayedTBF release		No	:RAN2	[Bar]				[Bar]											
527	50306	Add transparent RLC Concept		No	:RAN2	[Bar]				[Bar]											
528	50307	Handover concept		No	:RAN2	[Bar]				[Bar]											
529	2424	Physical layer alignment with UMTS bearer concept		No	:ERAN								[Bar]								
530	2356	PDTCH/TCH in 45.003		No	:ERAN	[Bar]															
531	2357	Control channels in 45.003		No	:ERAN	[Bar]															
532	2358	Receiver performance in 45.005 for PDTCH/TCH and control ch.		No	:ERAN	[Bar]				[Bar]											

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533	2359	lu rg interface		No	iERAN																		
534	2425	Inter BSS interface		No	iERAN																		
535	2360	Identification of requirements		No	iERAN																		
536	2361	Stage 2		No	iERAN																		
537	2362	Adoption of relevant parts from lur		No	iERAN																		
538	2363	Complementation with GERAN specifics		No	iERAN																		
539	2364	New stage 3		No	iERAN																		
540	2426	Inter BSS-RNS interface		No	RAN3																		
541	2365	Identification of requirements		No	RAN3																		
542	2366	Stage 2		No	RAN3																		
543	2367	Adoption of relevant parts from lur		No	RAN3																		
544	2368	Complementation with GERAN specifics		No	RAN3																		
545	2369	New stage 3		No	RAN3																		
546	2370	Voice over GERAN PS and CS concept		No	RAN3																		
547	2371	Architecture for A, lu cs and lu ps		No	RAN3																		
548	2372	Transcoder position/operation		No	iERAN																		
549	2373	Handover		No	RAN3																		
550	2374	RTP payload		No	RAN3																		
551	2375	Codec renegotiation concept		No	RAN3																		
552	2376	LA		No	iERAN																		
553	2377	GERAN Narrowband speech realization		No	iERAN																		
554	2427	8-PSK NB HR		No	iRAN1																		
555	2378	Channel coding in 45.003		No	iRAN1																		
556	2379	Signalling for A interface		No	iRAN1																		
557	2380	Signalling for lu		No	iRAN1																		
558	2381	Link adaptation in 45.009		No	iRAN1																		
559	2382	Receiver performance in 45.005		No	iRAN1																		
560	2428	8-PSK NB QR		No	iERAN																		

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561	2383	Channel coding in 45.003		No	GERAN	█																	
562	2384	Signalling for A interface		No	GERAN	█	█	█															
563	2385	Signalling for lu		No	GERAN	█	█	█															
564	2386	Link adaptation in 45.009		No	GERAN	█	█	█															
565	2387	Receiver performance in 45.005		No	GERAN	█	█	█															
566	2388	GERAN MS Conformance test for GERAN interface evolv		No	GERAN				◆	█	█	█	█	█	█	█	█	█	█	█	█	█	█
567	2389	MS test		No	GERAN					█	█	█	█	█	█	█	█	█	█	█	█	█	█
568	2390	GERAN MS Conformance test for GERAN interface evolv		No	GERAN					█	█	█	█	█	█	█	█	█	█	█	█	█	█
569	2391	BSS test		No	GERAN					█	█	█	█	█	█	█	█	█	█	█	█	█	█
570	2392	GERAN enhancements for streaming services 1	Rel5	No	GERAN																		
571	2393	GERAN enhancements for streaming services 1		No	GERAN																		
572	2394	Concept		No	GERAN	█	█	█	█														
573	2395	RLC protocol enhancement (SDU Discard)		No	GERAN	█	█	█	█														
574	2396	GERAN enhancements for streaming services 2	Rel5	No	GERAN																		
575	2397	GERAN enhancements for streaming services 2		No	GERAN																		
576	2398	Usage of ECSD Concept		No	GERAN	█	█	█	█														
577	2399	Stage 2		No	GERAN	█	█	█	█														
578	2400	Stage 3		No	GERAN	█	█	█	█														
579	2401	RLC PDU formats		No	GERAN	█	█	█	█														
580	2402	MAC header		No	GERAN	█	█	█	█														
581	2403	700 MHz spectrum support	Rel4	No	GERAN	█	█	█	█														
582	2404	GERAN support for the 700 MHz band		No	GERAN																		
583	2405	Signalling support		No	GERAN																		
584	2406	Physical layer definitions		No	GERAN																		
585	2407	Receiver performance and RF budget		No	GERAN																		
586	2408	GERAN MS Conformance test for 700 MHz band		No	GERAN	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█
587	2409	MS test		No	GERAN	█	█	█	█														
588	2410	GERAN BTS Conformance test for 700 MHz band		No	GERAN	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█

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617	32002	Stage 2		No	G SA2																	
618	2481	impact on UTRAN		No	RAN2																	
619	2546	UMTS QoS Architecture for PS Domain	Rel4	No	G SA2																	
620	2547	Requirements		No	G SA1																	
621	2548	Architecture		No	G SA2																	
622	1624	Security aspects		No	G SA3																	
623	2550	Charging and QoS Management		No	G SA5																	
624	2551	IE for QoS PS Domain		No	G CN1																	
625	2552	Interwork with External Networks		No	G CN3																	
626	1681	RAB Quality of Service (re)Negotiation over lu		No	RAN3																	
627	1991	RAB Quality of Service Negotiation over lu		No	RAN3																	
628	2456	RAB Quality of Service Negotiation over lu during relocation		No	RAN3																	
629	1992	RAB Quality of Service Re-Negotiation over lu		No	RAN3																	
630	1553	GERAN QoS Aspects - Handovers: maintenance of real-		No	GERAN																	
631	2306	Handover Concept for the PS domain		No	GERAN																	
632	2309	Stable RT handover report 25.936 including header removal		No	GERAN																	
633	2307	Update of stage 2		No	GERAN																	
634	2308	Update of relevant stage 3 specs -> RRC		No	RAN2																	
635	50010	GERAN MS Conformance test for inter-system and intra		No	RAN3																	
636	50011	Handover for the PS domain		No	RAN3																	
637	50012	Stable RT handover report 25.936 including header removal		No	RAN3																	
638	50013	Update of stage 2		No	RAN3																	
639	50014	Update of relevant stage 3 specs		No	RAN3																	
640	1685	PS-domain handover for real-time services		No	RAN3																	
641	2554	RAB QoS Renegotiation at Relocation		No	RAN3																	
642	2556	End to End QoS for PS Domain including IMS	Rel5	No	G SA2																	
643	2557	E2E QoS Concept and Architecture		No	G SA2																	
644	2558	E2E QoS interworking		No	G CN3																	

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645	2559	QoS Management (Provisioning and Monitoring)		No	G SA5																		
646	2569	Messaging enhancements Rel-5	Rel5	No	VG T2																		
647	2571	Multimedia Messaging (MMS) enhancements		No	VG T2																		
648	31000	Definition of service requirements		No	G SA1																		
649	42000	Technical realization		No	VG T2																		
650	2572	Enhanced Messaging Service (EMS) enhancements		No	VG T2																		
651	31001	Definition of service requirements		No	G SA1																		
652	42001	Technical realization		No	VG T2																		
653	50001	GERAN Inter BSC NACC improvements over the Gb I		No	iERAN																		
654	14501	Modification of core network protocols for GERAN Inter		No	G SA2																		
655	32502	Stage 2 - Concept		No	G SA2																		
656	14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC		No	G SA2																		
657	14503	Stage 3 (changes to TS 29.060)		No	G SA2																		
658	50002	Modification of Gb protocols for GERAN Inter BSC NACC		No	iERAN																		
659	50003	Stage 3 (changes to TS 48.018)		No	iERAN																		
660	13000	Service Change and UDI Fallback	Rel5	No	G CN3																		



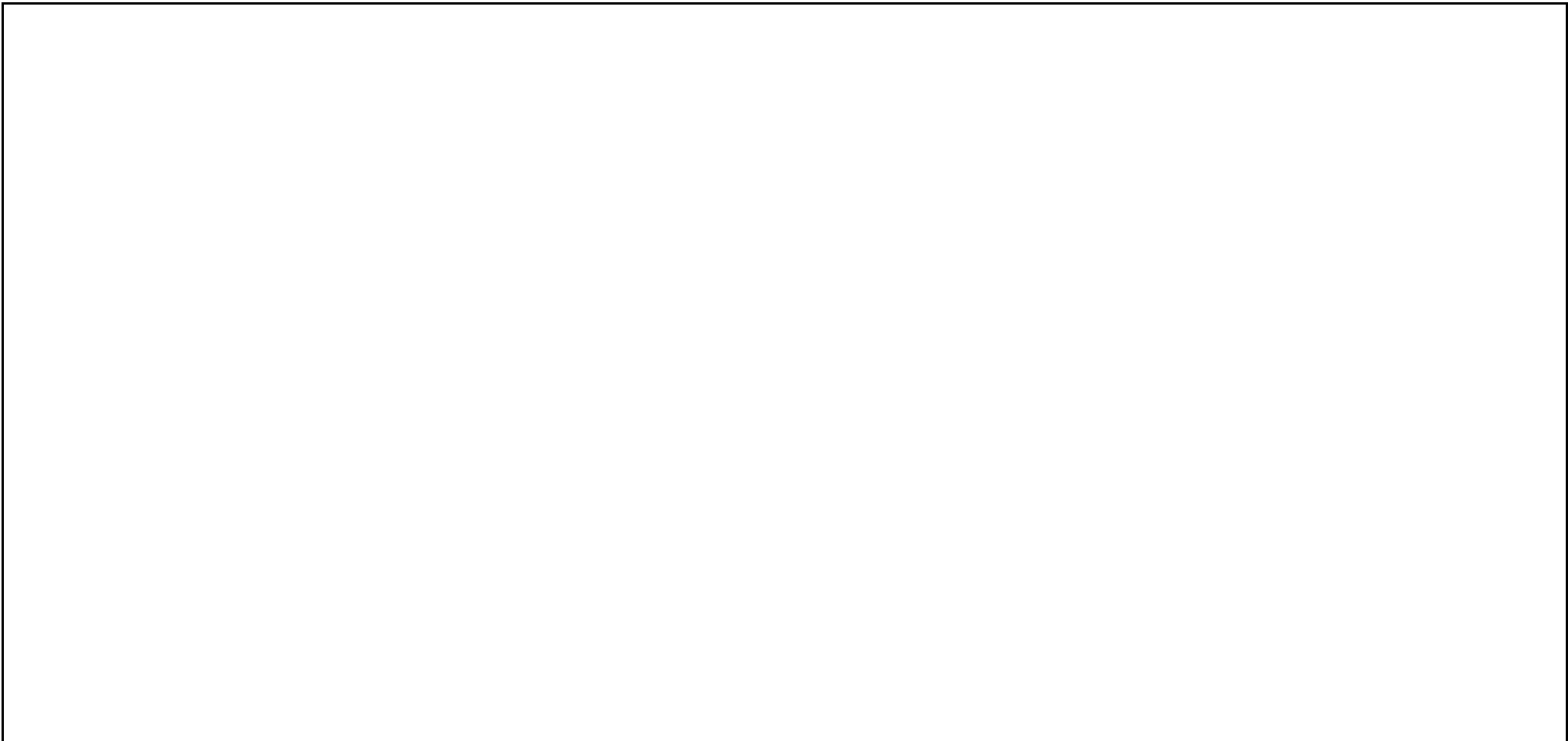
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	Critical Progress		Summary Progress		Rolled Up Baseline	
	Task		Summary		Rolled Up Baseline Milestone	
	Split		Rolled Up Critical		Rolled Up Milestone	
	Task Progress		Rolled Up Critical Split		External Tasks	
	Baseline		Rolled Up Critical Progress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

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6	2	Evolutions of the transport in the UTRAN	NA	Yes	3 RAN																		
7	625	IP transport in the UTRAN	Rel5	No	RAN3																		
10	2257	Evolution of transport in UTRAN and GERAN	Rel5	No	RAN3																		
15	4	Evolutions of the transport in the CN	NA	Yes	3 CN4																		
21	2455	FS on Usage of SUA	Rel5	No	G CN4																		
24	2476	High Speed Downlink Packet Access	Rel5	No	RAN2																		
29	1216	Improvements of Radio Interface	NA	Yes	3 RAN																		
30	1470	Improvement of inter-frequency and inter-system meas	Rel5	No	RAN1																		
31	1471	Base station classification	Rel5	No	RAN4																		
35	1217	Hybrid ARQ II/III	Rel5	No	RAN2																		
36	1218	Improved usage of downlink resource in FDD for CCTrC	Rel5	No	RAN2																		
37	1507	Terminal Power Saving features	Rel5	No	RAN2																		
41	2467	UMTS 1900	Rel5	No	RAN4																		
43	2469	Enhancement on the DSCH hard split mode	Rel5	No	RAN1																		
44	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel5	No	RAN1																		
45	1506	FS on Radio link performance enhancements	Rel5	No	RAN1																		
47	1221	FS on USTS	Rel5	No	RAN1																		
49	1997	FS on UE antenna efficiency test method performance r	Rel5	No	RAN4																		
50	2494	FS on the re-introduction of the downlink SIR measurer	Rel5	No	RAN4																		
51	24001	FS on UTRA WideBand Distribution Systems	Rel5	No	RAN4																		
52	2493	FS on mitigating the effect of CPICH interference at the	Rel5	No	RAN4																		
78	9	RAN improvements	NA	Yes	3 RAN																		
79	656	RRM optimization for Iur and Iub	Rel5	No	RAN3																		
83	2488	RL Timing Adjustment	Rel5	No	RAN3																		
84	2489	Separation of resource reservation and radio link activ	Rel5	No	RAN3																		
85	2490	Improvement of Radio Resource Management across R	Rel5	No	RAN3																		
86	2491	Re-arrangements of Iub transport bearers	Rel5	No	RAN3																		
87	23003	SRNS Relocation Procedure Enhancement	Rel5	No	RAN3																		

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89	624	RAB support enhancement - except Robust Header Com	Rel5	No	RAN2	■																		
91	1680	Header compression removal/stripping in the RAN	Rel5	No	G RAN	■	■	■	■															
92	1686	Unequal error protection in PS domain in the RAN	Rel5	No	G RAN	■	■	■	■															
93	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	No	RAN1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
100	1273	being restructured - Provisioning of IP-based multim	Rel5	No	G SA1	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
164	34001	Extended Transparent End-to-End PS Streaming Ser	Rel5	No	G SA4																			
167	1652	Emergency call enhancements	NA	Yes	G CN1																			
168	1653	For IP & PS based calls	Rel5	No	G CN1																			
205	1517	Global Text Telephony	Rel5	No	G SA2	■	■	■	■	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
214	1367	VHE enhancements	NA	Yes	G SA1																			
216	1368	Detailed definition of the VHE user profile	Rel5	No	G SA2																			
219	2104	Extensions to existing (and possibly new) toolkits	Rel5	No	G SA2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
222	2108	Interaction between toolkits to enable IMS	Rel5	No	G SA2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
225	2112	Transparent roaming for services	Rel5	No	G SA2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
228	2532	Charging	Rel5	Yes	G SA2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
231	2535	Other VHE Enhancements	Rel5	Yes	G SA2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
234	1637	OSA enhancements	NA	Yes	G SA1																			
239	1429	OSA APIs for MuMa CC	Rel5	No	G SA2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
242	1419	OSA security	Rel5	No	G SA3																			
249	1433	Retrieval of Terminal capabilities	Rel5	No	G SA2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
257	2538	Interaction with Rel-5 features	Rel5	No	G SA1																			
261	2519	OSA Stage 3	Rel5	No	G CN5																			
262	2116	(copy) Charging and OAM&P	Rel5	No	G SA5	■	■	■	■															
263	1638	CAMEL phase 4	Rel5	No	G SA1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
285	2464	MExE enhancements Rel-5	Rel5	No	VG T2	■	■	■	■															
288	1625	Wideband Telephony Service - AMR	Rel5	No	G SA4																			
338	1826	Terminal interfaces	NA	Yes	VG T2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	
342	1829	Wide Area Data Synchronisation	NA	Yes	VG T2	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	◇	

ID	Unique_ID	Name	Release	Split	Resou	Qtr 2, 2001				Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002			Qtr 2, 2002				
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
344	1831	vObjects and Other Constructs for Use in Data Synchronisation	Rel5	No	VG T2																		
348	2573	Terminal local model enhancements	Rel5	No	VG T2																		
349	1536	Location Services enhancements	NA	Yes	G SA2																		
359	1600	UE positioning	NA	No	G RAN																		
362	2457	UE positioning enhancements - other methods	Rel5	No	RAN2																		
363	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	RAN2																		
364	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN R	Rel5	No	RAN2																		
366	1171	Event based and Periodic LCS	Rel5	No	G SA1																		
370	2436	Location Services for GERAN in A/Gb Mode	Rel5	No	iERAN																		
376	2442	Location Services for GERAN in Iu Mode	Rel5	No	iERAN																		
384	2125	Open SMLC-SRNC Interface within the UTRAN to support	Rel5	No	RAN2																		
387	32001	Enhanced support for user privacy and subscriber data	Rel5	No	G SA2																		
397	519	(copy) Charging and OAM&P	Rel5	No	G SA5																		
398	521	New security aspects of LCS (not identified)	Rel5	No	G SA3																		
399	1560	UICC/(U)SIM enhancements and interworking	NA	Yes	VG T3																		
401	2517	UICC/USIM Transport Protocol	Rel5	No	VG T3																		
402	1800	(U)SIM toolkit enhancements	NA	Yes	VG T3																		
404	1566	Enhancements to (U)SIM toolkit secure messaging	Rel5	No	VG T3																		
405	1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5	No	VG T3																		
409	1802	UICC API	NA	Yes	VG T3																		
410	2031	Multos API	Rel5	No	VG T3																		
413	1571	Security enhancements	NA	No	G SA3																		
424	1576	Network domain security	Rel5	Yes	G SA3																		
434	1595	FIGS	Rel5	No	G SA3																		
447	1365	Support of Push Services	Rel5	No	G SA2																		
450	1142	Charging and OAM&P (Master)	NA	Yes	G SA5																		
456	35000	FS on User Equipment (UE) Management	Rel5	No	G SA5																		
457	2062	Subscription Management	Rel5	No	G SA5																		

ID	Unique_ID	Name	Release	Split	Resou	Qtr 2, 2001				Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002			Qtr 2, 2002			
						Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
463	2243	Intra Domain Connection of RAN Nodes to Multiple C	Rel5	No	G SA2	█																
483	2320	GERAN improvements 3	Rel5	No	iERAN	█																
494	2330	GERAN support for IMS	Rel5	No	iERAN	█																
510	2345	Alignment of 3G functional split and lu	Rel5	No	iERAN	█																
570	2392	GERAN enhancements for streaming services 1	Rel5	No	iERAN	█																
574	2396	GERAN enhancements for streaming services 2	Rel5	No	iERAN	█																
590	2412	GERAN/UTRAN interface evolution 1	Rel5	No	RAN3	█																
594	2416	GERAN/UTRAN interface evolution 2	Rel5	No	RAN3	█																
599	2499	Support of Presence Capability	Rel5	No	G SA1	█																
606	2507	Display of Service Provider name on UE	Rel5	No	G SA1	█																
612	2520	User Equipment Management	Rel5	No	G SA5																	
613	2527	Emergency calls without UICC/SIM in netw. with IMS	Rel5	No	G SA2																	
615	2544	Multimedia Broadcast and Multimedia Service	Rel5	No	G SA1																	
642	2556	End to End QoS for PS Domain including IMS	Rel5	No	G SA2	█																
646	2569	Messaging enhancements Rel-5	Rel5	No	VG T2																	
660	13000	Service Change and UDI Fallback	Rel5	No	G CN3																	



Project: 3GPP_Work Plan Date: Wed 19/09/01	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			