

# 3GPP Work Plan – Cover page

Version 2002, June 4<sup>th</sup>

## Introduction

This cover sheet contains 3 parts:

Part 1: Specific comments for this version

Part 2: General recurrent information

Part 3: History

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

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

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

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

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

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

## Specific comments for this version

### *Main changes between version April 9<sup>th</sup> 2002 and version June 3<sup>d</sup>*

Inputs have been received from:

S2, S3, S4

CN2, CN3, CN4

T1, T2, T3

R2, R4

GERAN

Deletion of:

889	Implementation in UTRAN	WG SA4
893	Implementation in UTRAN	TSG RAN
34014	Codec selection and GSM-UTRAN interworking	TSG RAN
34015	Radio Access Bearer optimisation	TSG RAN
34016	Radio Access Bearer renegotiation (impact at least on 23.018)	TSG RAN

UI D 80 has been restructured (80 Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR support)

This has lead to the deletion of the line:

2265 GMSK and 8PSK WB FR / HR support

2392 GERAN enhancements for streaming services 1

2393 GERAN enhancements for streaming services 1

The two lines were duplicated (2392 was Feature and 2393 was single BB of this feature), so 2393 has been deleted.

2396 GERAN enhancements for streaming services 2 (usage of ECSD)

2397 GERAN enhancements for streaming services 2

The two lines were duplicated (2396 was Feature and 2397 was single BB of this feature), so 2397 has been deleted.

50041 Uplink TDOA feasibility study

50042 Performing a feasibility study

The two lines were duplicated (50041 was Feature and 50042 was single BB of this feature), so 50042 has been deleted.

2011 Charging notification to the CSE WG CN2

2459 Enhancement of dialled services WG CN2

Deleted by CN2

SIP SS and relationship to Mg, Mw, Cx TBD WG CN4  
Deleted: covered by 10001 and following

13007 IETF draft-ietf-diffserv-pib [DELETE] No WG CN3  
13008 IETF draft-hamer-rap-cops-umts-go [DELETE] No WG CN3  
13009 IETF draft-rap-frameworkpib-07 [DELETE] No WG CN3  
Deleted by CN3

2461 DELETE: Testing RAB support enhancements-Robust Header Compression Rel4 WG T1  
Deleted by T1

32020 to be deleted - General issues Rel5 (OSA)  
Deleted by S2: covered by other items  
15001 to be deleted -Framework for Stage 3 (OSA) Rel5 WG CN5  
Deleted by S2: covered by other items

2246 GERAN work (lu flex)  
52001 Stage 2  
52002 Stage 3  
Deleted by A. Sultan: covered by :  
50067 GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes  
51068 Stage 2 (changes to )  
52070 Stage 3 (changes to )

2257 Evolution of transport in UTRAN and GERAN Rel5 WG RAN3  
2258 Addition of transport mechanisms other than ATM for lu - Identification of alternative transports  
WG RAN3  
2259 Addition of transport mechanisms other than ATM for lu - Specification of those alternatives transports  
WG RAN3  
Deleted by MCC after consulting the RAN and GERAN chairmen (no activity, no work clearly identified)

30000 FS on Priority Service Rel6 TSG SA  
Deleted by MCC: covered by 31015

31027 Rel-6 Open Service Access Rel6 WG SA1  
Deleted by MCC: covered by 15010

### ***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_ID	Name	Release	Resource No	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	2044	<b>VERSION 2002 June 4th</b>	Rel															
2	1462	<b>"CTRL + a" to display all the 3GPP fields</b>																
3	2058	<b>Content of Rel4 frozen. Rel5 and after not frozen.</b>	Rel															
4	0		Rel															
5	96																	
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	TSG RAN														
7	625	<b>IP transport in the UTRAN</b>	Rel5	WG RAN3														
8	4	<b>Evolutions of the transport in the CN</b>	NA	WG CN4														
9	2455	<b>FS on Usage of SUA</b>	Rel5	WG CN4														
10	2476	<b>High Speed Downlink Packet Access</b>	Rel5	WG RAN2														
11	2477	<b>Physical Layer</b>		WG RAN1														
12	2478	<b>Layer 2 and 3 aspects</b>		WG RAN2														
13	2479	<b>lub/lur protocol aspects</b>		WG RAN3														
14	2480	<b>RF Radio Transmission/ Reception, System Performance R</b>		WG RAN4														
15	1216	<b>Improvements of Radio Interface</b>	NA	TSG RAN														
16	1470	<b>Improvement of inter-frequency and inter-system measure</b>	Rel5	WG RAN1														
17	1471	<b>Base station classification</b>	Rel5	WG RAN4														
18	1476	FDD Base station classification		WG RAN4														
19	1477	TDD Base station classification		WG RAN4														
20	24002	Base Station Classification for 1.28 Mcps TDD option		WG RAN4														
21	1217	<b>Hybrid ARQ II/III</b>		WG RAN2														
22	1218	<b>Improved usage of downlink resource in FDD for CCTrCHs c</b>		WG RAN2														
23	1507	<b>Terminal Power Saving features</b>		WG RAN2														
24	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel6	WG RAN1														
25	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5	WG RAN1														
26	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5	WG RAN1														
27	1506	<b>FS on Radio link performance enhancements</b>	Rel5	WG RAN1														
28	1221	<b>FS on USTS</b>	Rel5	WG RAN1														

ID	Unique_II	Name	Release	Resource No	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
29	1997	FS on UE antenna efficiency test method performance requi	Rel5	WG RAN4														
30	2494	FS on the re-introduction of the downlink SIR measuremen	Rel5	WG RAN4														
31	24001	FS on UTRA WideBand Distribution Systems	Rel5	WG RAN4	[Gantt bar from Feb 2002 to Mar 2003]													
32	2493	FS on mitigating the effect of CPICH interference at the UE	Rel5	WG RAN4	[Gantt bar from Feb to Mar 2002]													
33	24003	FS for the viable deployment of UTRA in additional and div	Rel6	WG RAN4	[Gantt bar from Feb 2002 to Jun 2002]													
34	24004	Improving Receiver Performance Requirements for the FDD	Rel6	WG RAN4	[Gantt bar from Apr 2002 to Dec 2002]													
35	24005	FS on UE antenna efficiency test methods performance req	Rel6	WG RAN4	[Gantt bar from Apr 2002 to Dec 2002]													
36	21000	FS on Improvement of inter-frequency and inter-system mea	Rel5	WG RAN1	[Gantt bar from Feb to Jun 2002]													
37	1839	Conformance Test Spec. improvements in Radio Interface		WG T1	[Gantt bar from Feb to Sep 2002]													
38	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	WG T1	[Gantt bar from Apr to Sep 2002]													
39	2211	Testing Hybrid ARQ II/III	Rel5	WG T1	[Gantt bar from Apr to Sep 2002]													
40	9	<b>RAN improvements</b>	NA	TSG RAN	[Gantt bar from Feb 2002 to Mar 2003]													
41	656	RRM optimization for lur and lub	Rel5	WG RAN3	[Gantt bar from Feb to Jun 2002]													
45	2488	RL Timing Adjustment	Rel5	WG RAN3	[Gantt bar from Feb to Mar 2002]													
46	2489	Separation of resource reservation and radio link activatio	Rel5	WG RAN3	[Gantt bar from Feb to Mar 2002]													
47	2490	Improvement of Radio Resource Management across RNS ;	Rel5	WG RAN3	[Gantt bar from Feb to Mar 2002]													
48	2491	Re-arrangements of lub transport bearers	Rel5	WG RAN3	[Gantt bar from Feb to Mar 2002]													
49	23003	SRNS Relocation Procedure Enhancement	Rel5	WG RAN3	[Gantt bar from Feb to Jun 2002]													
50	624	RAB support enhancement		WG RAN2	[Gantt bar from Feb 2002 to Mar 2003]													
51	22000	RAB support enhancement for Rel-5	Rel5	WG RAN2	[Gantt bar from Feb to Jun 2002]													
52	1680	Header compression removal/stripping in the RAN	Rel5	TSG RAN	[Gantt bar from Feb to Jun 2002]													
53	1686	Unequal error protection in PS domain in the RAN	Rel5	TSG RAN	[Gantt bar from Feb to Jun 2002]													
54	21001	Beamforming requirements for UE	Rel5	WG RAN1	[Gantt bar from Feb to Jun 2002]													
55	20999	Beamforming Enhancements	Rel5	WG RAN1	[Gantt bar from Feb to Dec 2002]													
56	21002	Support of Site Selection Diversity Transmission in UTRAN	Rel5	WG RAN1	[Gantt bar from Feb to Jun 2002]													
57	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	WG RAN1	[Gantt bar from Feb to Mar 2002]													
58	23005	Improvement of RRM across RNS and RNS/BSS	Rel6	WG RAN3	[Gantt bar from Apr 2002 to Mar 2003]													
59	1912	Start Testing		MLST	[Gantt bar from Feb 2002 to Mar 2003]													

ID	Unique_ID	Name	Release	Resource No	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
60	2102	<b>Conformance Test Aspects - RAN Improvements</b>		<b>WG T1</b>														
61	2222	Testing Radio access bearer support enhancements		WG T1														
62	1273	<b>Provisioning of IP-based multimedia services</b>	NA	<b>WG SA1</b>														
63	1274	<b>Call control and roaming to support IMS in UMTS</b>	Rel5	<b>WG SA2</b>														
64	1633	Stage 1		WG SA1														
65	1514	Stage 2 (Architecture and Main flows)		WG SA2														
66	1296	Impact on MM/CC/SM		WG CN1														
67	2233	SIP Call Control protocol for the IMS		<b>WG CN1</b>														
68	1998	IMS signalling flows		WG CN1														
69	1278	IMS stage 3		WG CN1														
70	2255	IMS Session Handling; stage 2		WG CN1														
71	10004	Main IETF dependencies		<b>TSG CN</b>														
72	2521	IETF: draft-ietf-sip-rtc2543bis (Session Initiation Protocol)		WG CN1														
73	2523	IETF: draft-sip-100rel		WG CN1														
74	2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration		WG CN1														
75	2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity an		WG CN1														
76	2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authoriza		WG CN1														
77	11000	IETF: draft-ietf-sip-events (specific event notification)		WG CN1														
78	11001	IETF: draft-ietf-sip-refer (refer method)		WG CN1														
79	11002	IETF: draft-ietf-dhc-dhcpv6 (DHCP options for SIP servers)		WG CN1														
80	11003	IETF: draft-ietf-sip-replaces (SIP replaces header)		WG CN1														
81	11004	IETF: draft-ietf-avt-rtp-amr (AMR and AMR WB RTP and SDP)		WG CN1														
82	11005	IETF: draft-ietf-mmusic-sdp-new (IPv6 support within SDP)		WG CN1														
83	1290	Addressing		<b>WG SA2</b>														
84	1291	Architectural issues		WG SA2														
85	1292	Impact on HSS		WG CN4														
86	2530	Service Examples		<b>WG SA1</b>														
87	2531	IMS Framework Report		WG SA1														



ID	Unique_ID	Name	Release	Resource No	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
88	1298	<b>Access Security for IMS</b>	Rel5	WG SA3														
89	33000	SA3 task		WG SA3														
90	43000	IMS impacts on UICC		WG T3														
91	11014	SIP extensions for Integrity protection		WG CN1														
92	2574	<b>Security Aspects of Requirement for Network Configuration</b>	Rel5	WG SA3														
93	1299	<b>Lawful interception</b>	TBD	WG SA3														
94	35007	<b>Charging and OAM&amp;P for IMS</b>	Rel5	WG SA5														
95	2047	<b>Interworking between IMS and CS networks</b>	TBD	WG CN3														
96	13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)		WG CN3														
97	13003	ITU-T dependency on Q.2150.3 (SCTP)		WG CN3														
98	2036	<b>Multimedia codecs and protocols for conversational PS ser</b>	Rel5	WG SA4														
99	2039	Codecs		WG SA4														
100	34020	Transport protocols	Rel5	WG SA4														
101	2040	performance characterisation of codec		WG SA4														
102	34006	recommendation for QoS parameter values for various media types		WG SA4														
103	32003	<b>SIP message compression</b>	Rel5	WG SA2														
104	32004	Stage 2		WG SA2														
105	11015	Compression signalling		WG CN1														
106	10001	<b>Stage 3 description of IMS interfaces</b>	Rel5	TSG CN														
107	1286	Cx interface (HSS to CSCF)		WG CN4														
108	14997	Mp interface (MRFC - MRFP) enhancements		WG CN4														
109	11016	Mw interface (CSCF to P-CSCF)		WG CN1														
110	11018	Mr interface (CSCF to MRF)		WG CN1														
111	14003	Dx interface (I-CSCF to SLF)		WG CN4														
112	13001	Go interface (GGSN to PCF)		WG CN3														
113	11019	ISC (IMS Service Control) Interface		WG CN1														
114	14006	Sh interface (HSS to AS)		WG CN4														
115	14998	Si interface (HSS to IM-SSF)		WG CN4														

ID	Unique_II	Name	Release	Resource No	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
116	11020	Gm interface (UE to CSCF)		WG CN1														
117	11027	Mi interface (CSCF to BGCF)		WG CN1														
118	11028	Mj interface (BGCF to MGCF)		WG CN1														
119	11029	Mk interface (BGCF to BGCF)		WG CN1														
120	1310	<b>Support of VHE/OSA by entities and protocols of the IMS (e.</b>	Rel5	WG CN5														
121	<b>12000</b>	<b>Support of CAMEL by the IMS</b>	<b>Rel5</b>	<b>WG CN2</b>														
122	12001	Stage2 work 'general'		WG CN2														
123	12002	Stage3 work 'CAP'		WG CN2														
124	12003	Stage2 work 'Si interface'		WG CN2														
125	12004	Stage3 work 'Si interface'		WG CN4														
126	14004	SDM issues for CAMEL control of IMS		WG CN4														
127	31002	<b>Pre-pay/real-time charging in IMS</b>	TBD	WG SA1														
128	<b>35005</b>	<b>Charging</b>	<b>Rel5</b>	<b>WG SA5</b>														
129	32006	Charging Implications of IMS architecture		WG SA2														
130	35006	Charging management for IMS (off-line & on-line)		WG SA5														
131	<b>10002</b>	<b>Other IETF dependencies</b>	<b>Rel5</b>	<b>TSG CN</b>														
132	11011	IETF: draft-ietf-aaa-diameter - should be CN4		TSG CN														
133	11999	IETF: draft-johansson-aaa-diameter-mm-app - should be CN4		TSG CN														
134	1913	<b>Start Testing</b>	Rel5	MLST														
135	1844	<b>Conformance Test Aspects - Provisioning of IMS</b>		WG T1														
136	<b>34001</b>	<b>Extended Transparent End-to-End PS Streaming Service</b>	<b>Rel5</b>	<b>WG SA4</b>														
137	34002	<b>Stage 1</b>		WG SA1														
138	34003	<b>Stage 2 (version Rel5 of TS 26.234)</b>		WG SA4														
139	34019	<b>RTP usage model</b>		WG SA4														
140	<b>1652</b>	<b>Emergency call enhancements</b>	<b>Rel6</b>	<b>WG CN1</b>														
141	<b>1653</b>	<b>For IP &amp; PS based calls</b>	<b>Rel6</b>	<b>WG CN1</b>														
142	1314	Service Requirements for IP-based emergency calls		WG SA1														
143	1315	SIP emergency calls and packet emergency calls signalling flows		WG CN1														

ID	Unique_ID	Name	Release	Resource	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003			
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
144	1316	Stage 2 for emergency calls and packet emergency calls in general		WG SA2															
145	1317	Distinction of emergency call types to different emergency services		WG CN1															
146	1646	Stage 3 for emergency calls and packet emergency calls in general		WG CN1															
147	2224	Conformance Test Aspects - Emergency call enhancements		WG T1															
148	2225	Testing Stage 3 for emergency calls and packet emergency calls in gene		WG T1															
149	1517	<b>Global Text Telephony</b>	Rel5	WG SA2															
150	1634	<b>Stage 1</b>		WG SA1															
151	1519	<b>Stage 2</b>		WG SA2															
152	2234	<b>Specification of Cellular Text telephone Modem</b>		WG SA4															
153	2238	General description and C-code		WG SA4															
154	2237	Minimum Performance requirements		WG SA4															
155	1915	<b>Start Testing</b>		MLST															
156	1852	<b>Conformance Test Aspects - Global Text telephony</b>		WG T1															
157	1637	<b>OSA enhancements for Rel-5</b>	NA	WG SA1															
158	32010	<b>General Stage 2 for Rel5</b>		WG SA2															
159	1429	<b>OSA APIs for Multimedia Call Control</b>	Rel5	WG SA2															
160	1430	Stage 1		WG SA1															
161	15002	(Multimedia) Call Control - Stages 2 and 3		WG CN5															
162	1433	<b>Retrieval of Terminal capabilities</b>	Rel6	WG SA2															
163	1434	Stage 1		WG SA1															
164	1436	Stages 2 and 3		WG CN5															
165	2122	Provisioning of the terminal capabilities		WG T2															
166	15003	<b>Generic user interaction - Stage 3</b>	Rel5	WG CN5															
167	15004	<b>Charging - Stage 3</b>	Rel5	WG CN5															
168	15005	<b>Policy Management - Stage 3</b>	Rel6	WG CN5															
169	15006	<b>Presence and Availability Management (PAM) - Stage 3</b>	Rel6	WG CN5															
170	15007	<b>Check N5 - Call Control Service Mapping; Multiparty Call C</b>	Rel5	WG CN5															
171	15999	<b>WSDL APIs for SOAP/HTTP - Stage 3</b>	Rel5	WG CN5															

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172	2538	<b>Interaction with other features</b>	NA	WG SA1														
173	2539	Access to Presence information	Rel6	WG SA1														
174	2540	Access to User Profile	Rel6	WG SA1														
175	2541	Policy Management	Rel6	WG SA1														
176	1419	<b>OSA security</b>	Rel5	WG SA3	—————▶													
177	2121	Stage 1		WG SA1														
178	1421	Stage 3		WG SA3	—————													
179	1422	security related SCF(s) definition		WG CN5	—————													
180	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLF		WG SA3														
181	1621	impact on terminal		WG T2														
182	1786	<b>CHECK STATUS - LCS - OSA interfaces</b>	Rel5	WG SA1	—————▶													
183	1787	Stage 1		WG SA1														
184	2124	Stage 2		WG SA2														
185	1788	Stage 3		WG CN5	—————													
186	1638	<b>CAMEL phase 4</b>	Rel5	WG SA1	—————▶													
187	1461	<b>Service requirements</b>		WG SA1	—————													
188	2012	<b>Call Party Handling</b>		WG CN2	—————													
189	2013	<b>Mid call procedure for MO and MT calls</b>		WG CN2	—————													
190	2014	<b>Interactions with Optimal Routing</b>		WG CN2	—————													
191	2015	<b>Inclusion of flexible tone injection</b>		WG CN2	—————													
192	2016	<b>CSE control over MT SMS</b>		WG CN2	—————													
193	2460	<b>Notification of GPRS mobility management to CSE</b>		WG CN2	—————													
194	2458	<b>Provision of location information of called subscriber</b>		WG CN2	—————													
195	2514	<b>Inclusion of ODB data in the CSE_HLR interface</b>		WG CN2	—————													
196	2515	<b>Location information during an ongoing call (Handover DP)</b>		WG CN2	—————													
197	2516	<b>GPRS Any Time Interrogation</b>		WG CN2	—————													
198	2599	<b>Transfer of IMEI (with SW version) to CSE</b>		WG CN2	—————													
199	12005	<b>Functional Split Into Subsets</b>		WG CN2	—————													

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200	2464	<b>Rel-5 MExE enhancements</b>	Rel5	WG T2														
201	2465	MExE Rel-5 Security Analysis		WG T2														
202	2466	MExE Rel-5 Improvements and Investigations		WG T2														
203	1625	<b>Wideband Telephony Service - AMR</b>	Rel5	WG SA4														
204	62	<b>Specification</b>		WG SA4														
205	31005	Stage 1		WG SA1														
206	32007	Stage 2		WG SA4														
207	1459	Design Constraints		WG SA4														
208	1460	General Description		WG SA4														
209	1626	Feasibility Study		WG SA4														
210	1656	N1 Aspects		WG CN1														
211	14005	N4 work		WG CN4														
212	67	Codec issues		WG SA4														
213	1627	Codec qualification		WG SA4														
214	74	Codec selection tests		WG SA4														
215	891	Codec selection		WG SA4														
216	34007	TFO AMR-WB		WG SA4														
217	890	Other codec issues (verif., characterisation)		WG SA4														
218	34008	AMR-WB and narrowband interworking		WG SA4														
219	34009	Interworking with fixed broadband networks		WG SA4														
220	34010	Tones and announcements		WG SA4														
221	34011	WB Conferencing and WB Voice Group calls		WG SA1														
222	34012	Billing, accounting and call detail record aspects		WG SA5														
223	1989	Start Testing		MLST														
224	1855	Conformance tests (CRs to 34 series)		WG T1														
225	76	Terminal Acoustic Characteristics		WG SA4														
226	1628	Definition		WG SA4														
227	1629	Test specification		WG SA4														

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228	34004	<b>Floating-point ANSI-C code for the AMR-WB speech codec</b>		WG SA4														
229	80	<b>Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HI</b>		TSG GERAN														
230	50098	Channel coding in 45.003		TSG GERAN														
231	2266	Signalling for the A interface		TSG GERAN														
232	2267	Signalling for Iu		TSG GERAN														
233	2268	Receiver performance in TS 45.005		TSG GERAN														
234	50000	Link Adaptation in 45.009		TSG GERAN														
235	2269	<b>GERAN MS conformance test for AMR-WB</b>		TSG GERAN														
236	2270	MS test		TSG GERAN														
237	2271	<b>GERAN BTS conformance test for AMR-WB</b>		TSG GERAN														
238	2272	BTS test		TSG GERAN														
239	1826	<b>Terminal interfaces</b>	NA	WG T2														
240	2573	<b>Terminal local model enhancements</b>	Rel5	WG T2														
241	1536	<b>Location Services enhancements</b>	NA	WG SA2														
242	1600	<b>UE positioning</b>	NA	TSG RAN														
243	2457	UE positioning enhancements - other methods		WG RAN2														
244	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	WG RAN2														
245	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 p	Rel6	WG RAN2														
246	2127	Stage 2		WG SA2														
247	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5	WG RAN2														
248	1171	<b>Event based and Periodic LCS</b>	Rel5	WG SA1														
249	1641	Stage 1		WG SA1														
250	1538	Stage 2 specification		WG SA2														
251	1179	Impact on MAP		WG CN4														
252	2436	<b>Location Services for GERAN in A/Gb Mode</b>	Rel5	TSG GERAN														
253	2437	GERAN LCS Stage 2 (first release)		VG GERAN2														
254	2438	Gb interface support for LCS		TSG GERAN														
255	2440	L3 protocol support for LCS		TSG GERAN														

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256	2441	Stage 3 specifications		TSG GERAN														
257	2442	<b>Location Services for GERAN in lu Mode</b>	Rel5	TSG GERAN														
258	2443	GERAN LCS Stage 2		VG GERAN2														
259	2444	lu-ps interface support for LCS		VG GERAN2														
260	2445	lu-cs interface support for LCS		VG GERAN2														
261	2446	lur-g interface support for LCS		VG GERAN2														
262	2447	RRC protocol support for LCS		VG GERAN2														
263	2448	Additional impacts on Broadcast of LCS data on packet channels		VG GERAN2														
264	2449	Stage 3 specifications		VG GERAN2														
265	50068	<b>GERAN MS Conformance test for LCS</b>		TSG GERAN														
266	55069	Develop LCS MS test case work plan (Release 98/99/4)		MG GERAN5														
267	55070	Develop LCS MS test cases		MG GERAN5														
268	50069	<b>GERAN BTS Conformance test for LCS</b>		TSG GERAN														
269	55071	Develop LCS BTS test case work plan (Release 98/99/4)		MG GERAN5														
270	55072	Develop LCS BTS test cases		MG GERAN5														
271	32001	<b>Enhanced support for user privacy and subscriber data han</b>	Rel5	WG SA2														
272	544	<b>LCS interoperation stage 2 aspects</b>		WG SA2														
273	2434	<b>LCS interoperability aspects to GERAN</b>		TSG GERAN														
274	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and C		VG GERAN1														
275	2450	<b>GERAN MS Conformance test for LCS</b>		MG GERAN4														
276	2451	MS test		MG GERAN4														
277	2452	<b>GERAN BTS Conformance test for LCS</b>		MG GERAN3														
278	2453	BTS test		MG GERAN3														
279	52003	<b>Uplink TDOA feasibility study</b>		MG GERAN3														
280	1183	<b>FS on LCS support in the IMS</b>		WG SA1														
281	35008	<b>Charging and OAM&amp;P for LCS enhancements</b>	Rel5	WG SA5														
282	521	<b>New security aspects of LCS (not identified)</b>	Rel5	WG SA3														
283	32011	<b>Specification for the Le Interface</b>	Rel5	WG SA2														

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284	32012	<b>Support of the Presence Service Architecture</b>	Rel5	WG SA2	■													
285	32022	<b>Inter-GMLC interface</b>		WG SA2					■	■	■	■	■	■	■	■	■	
286	1800	<b>(U)SIM toolkit enhancements</b>	NA	WG T3	■	■	■	■	■	■	■	■	■	■	■	■	■	
287	43002	<b>Test specification for (U)SIM toolkit security mechanisms</b>		WG T3					■	■	■	■	■	■	■	■	■	
288	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	WG T3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
289	2497	Stage 1		WG T3														
290	2496	Stage 2 and 3		WG T3	■													
291	2518	Test specification		WG T3	■	■	■	■	■	■	■	■	■	■	■	■	■	
292	1802	<b>UICC API</b>	NA	WG T3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
293	43001	Java API Test specification		WG T3			■	■	■	■	■	■	■	■	■	■	■	
294	2031	C SIM API	Rel5	WG T3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
295	2032	Specification		WG T3	■	■	■	■	■	■	■	■	■	■	■	■	■	
296	2033	Test specification		WG T3														
297	1571	<b>Security enhancements</b>	NA	WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
298	1583	<b>MAP application layer security</b>	Rel4	WG SA3	◆													
299	1584	Main aspects		WG SA3														
300	2025	Other stage 3 aspects		WG CN4														
301	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3	■													
302	1576	<b>Network domain security</b>	Rel5	WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
303	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provide		WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
304	1578	Main aspects		WG SA3														
305	1579	Integration of GTP signalling security architecture		WG CN4	■	■	■	■	■	■	■	■	■	■	■	■	◆	
306	1580	User plane protection in core network (e.g., provided by IPsec)		WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
307	1581	Main aspects		WG SA3														
308	1582	Integration of GTP signalling security architecture		WG CN4	■	■	■	■	■	■	■	■	■	■	■	■	◆	
309	2576	IP network layer security (NDS/IP)		WG SA3	■													
310	2026	<b>Enhanced HE control of security (including positive authent</b>	Rel6	WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	◆	
311	2027	Stage 2		WG SA3	■	■	■	■	■	■	■	■	■	■	■	■	■	



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312	2028	FS on Network impacts		WG CN4														
313	33003	<b>Rel-6 MAP application layer security</b>	Rel6	WG SA3														
314	33004	Main aspects		WG SA3														
315	33005	STAGE 3 for KEY distribution		WG CN4														
316	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA	WG T1														
317	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	el Indep	WG T1														
318	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	el Indep	WG T1														
319	1907	<b>Extensions to R99 Test cases</b>		WG T1														
320	2564	<b>Extension to R99 Test cases - TTCN</b>		WG T1														
321	2565	<b>Creation of R99 TCs for TDD - prose</b>		WG T1														
322	2566	<b>Creation of R99 TCs for TDD - TTCN</b>		WG T1														
323	1908	<b>Review all other work items for impact on new or exiting 34</b>		WG T1														
324	32021	<b>IMS Phase 2</b>	Rel6	WG SA1														
325	32015	<b>Radio optimisation impacts on PS domain architecture</b>	Rel6	WG SA2														
326	2048	<b>Interworking between IMS and IP networks</b>	Rel6	WG CN3														
327	13004	Interworking for 3GPP_SIP and IETF_SIP		WG CN3														
328	13005	Interworking for IPv6 to IPv4		WG CN3														
329	32005	<b>IMS Local services</b>	Rel6	WG SA2														
330	32019	Stage 2		WG SA2														
331	13011	<b>Mm interface (CSCF to external IP multimedia network)</b>	Rel6	WG CN3														
332	11017	CN1 part		WG CN1														
333	13012	CN3 part		WG CN3														
334	13013	<b>Mg interface (BGCF to MGCF - interworking with CS)</b>	Rel6	WG CN3														
335	14002	CN1 part		WG CN1														
336	13014	CN3 part		WG CN3														
337	14001	<b>Mc interface (IM-MGW to MGCF) enhancements</b>	Rel-6	WG CN4														
338	31022	<b>IMS Messaging (part of IMS2?)</b>	Rel6	WG SA1														
339	31023	<b>TR on support of messaging in the IMS</b>		WG SA1														

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340	31024	CRs to existing 22-series specifications		WG SA1														
341	31025	IMS Group Management (part of IMS2?)	Rel6	WG SA1														
342	31026	TS on IMS group management		WG SA1														
343	1365	Support of Push Services	Rel6	WG SA1														
344	31004	Stage 1		WG SA1														
345	32000	TR on feasibility study		WG SA2														
346	42005	Rel-6 MExE enhancements	Rel6	WG T2														
347	42006	MExE Rel-6 Improvements and Investigations		WG T2														
348	42007	MExE Run-Time Independent Framework Feasibility Study		WG T2														
349	1142	Charging and OAM&P	NA	WG SA5														
350	35002	Rel5 Principles, high level Requirements and Architecture	Rel5	WG SA5														
351	35003	Rel5 Performance Management	Rel5	WG SA5														
352	35004	Rel5 Charging Management	Rel5	WG SA5														
353	35001	Network Infrastructure Management	Rel5	WG SA5														
354	2062	Subscription Management	Rel6	WG SA5														
355	2243	Intra Domain Connection of RAN Nodes to Multiple CN N	Rel5	WG SA2														
356	2244	Overall System Architecture		WG SA2														
357	20000	Stage 3: RAN node selecting CN node		WG RAN3														
358	2248	N1 work		WG CN1														
359	2249	N4 work		WG CN4														
360	50067	GERAN work for Intra Domain Connection of RAN Nodes to		TSG GERAN														
361	51068	Stage 2 (changes to )		WG GERAN1														
362	51069	43.051 Introduction of support for IDNNS in GERAN lu mode		WG GERAN1														
363	52070	Stage 3 (changes to )		WG GERAN2														
364	52077	48.016 Use of Gb interface concepts when a network applies IDNNS		WG GERAN2														
365	52078	48.018 Include MSC/VLR identity in CS IMSI paging		WG GERAN2														
366	2320	GERAN improvements 3 (new transport layer on interface	Rel5	TSG GERAN														
367	2321	Evolution of the transport for A		TSG GERAN														

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368	2322	Definition of a new A/Ater interface Transport Layer option based on the		TSG GERAN														
369	2323	Adaptation of the Layer 3 BSSMAP procedures as required		TSG GERAN														
370	<b>2330</b>	<b>GERAN support for IMS</b>		<b>TBD TSG GERAN</b>														
371	<b>2331</b>	<b>GERAN Header adaptation</b>		<b>A2;TSG RAN</b>														
372	2332	Definition of compression and removal modes for PDCP protocol		A2;TSG RAN														
373	2333	Conceptual description in stage 2		A2;TSG RAN														
374	2334	Necessary changes on stage 3 regarding header removal		A2;TSG RAN														
375	<b>2335</b>	<b>GERAN Radio access bearer design for IMS</b>		<b>A2;TSG RAN</b>														
376	<b>2422</b>	MuM control signalling for conversational multimedia services		<b>A2;TSG RAN</b>														
377	2431	Identification of requirements		A2;TSG RAN														
378	2337	Necessary modifications due to SIP		A2;TSG RAN														
379	<b>2338</b>	<b>Physical layer multiplexing</b>		<b>TSG GERAN</b>														
380	2339	Stage 2		TSG GERAN														
381	2432	Stage 3		TSG GERAN														
382	<b>2341</b>	<b>GERAN MS Conformance test for support of IMS</b>		<b>TSG GERAN</b>														
383	2342	MS test		WG GERAN4														
384	<b>2343</b>	<b>GERAN BTS Conformance test for support of IMS</b>		<b>TSG GERAN</b>														
385	2344	BTS test		WG GERAN3														
386	<b>2345</b>	<b>Alignment of 3G functional split and lu</b>		<b>TBD TSG GERAN</b>														
387	<b>2346</b>	<b>GERAN user / control plane</b>		<b>TSG GERAN</b>														
388	<b>2347</b>	Alignment with UMTS bearer concept		<b>TSG GERAN</b>														
389	50300	Enhanced power control		TSG GERAN														
390	2423	Stage 2		TSG GERAN														
391	2348	Adoption of the UTRAN PDCP		TSG GERAN														
392	50043	Development of RLC / MAC		TSG GERAN														
393	50044	Development of GERAN RRC		TSG GERAN														
394	50045	Ciphering and integrity protection concept paper		TSG GERAN														
395	50046	Multiple TBF or equivalent Concept paper		TSG GERAN														

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396	50047	Paging concept		TSG GERAN														
397	50048	Dedicated Physical subchannels, includes traffic and control channel		TSG GERAN														
398	50049	Iu support and broadcast concept		TSG GERAN														
399	50050	Impact of using RLC instead of LAPDm concept		TSG GERAN														
400	50051	Contention resolution, mobile station identity, and access concept		TSG GERAN														
401	50052	PDCP concept		TSG GERAN														
402	50053	Downlink delayed TBF release		TSG GERAN														
403	50054	Add transparent RLC Concept		TSG GERAN														
404	50055	Handover concept		TSG GERAN														
405	2349	Development of RLC / MAC		MG GERAN2														
406	2350	Development of GERAN RRC		MG GERAN2														
407	2351	Ciphering and integrity protection Concept paper		MG GERAN2														
408	50302	Multiple TBF or equivalent Concept paper		MG GERAN2														
409	50303	Paging concept		MG GERAN2														
410	2352	Dedicated physical subchannels. Includes traffic and control channels		MG GERAN1														
411	2353	Iu support and broadcast concept		MG GERAN2														
412	2354	Impact of using RLC instead of LAPDm concept		MG GERAN2														
413	2355	Contention resolution, mobile station identity, and access concept		MG GERAN2														
414	50304	PDCP concept		MG GERAN2														
415	50305	Downlink delayed TBF release		MG GERAN2														
416	50306	Add transparent RLC Concept		MG GERAN2														
417	50307	Handover concept		MG GERAN2														
418	2424	Physical layer alignment with UMTS bearer concept		TSG GERAN														
419	2356	PDTCH/TCH in 45.003		TSG GERAN														
420	2357	Control channels in 45.003		TSG GERAN														
421	2358	Receiver performance in 45.005 for PDTCH/TCH and control channels		TSG GERAN														
422	2359	<b>Iu rg interface</b>		IN;TSG RAN														
423	2425	Inter BSS interface		IN;TSG RAN														

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424	2360	Identification of requirements		TSG GERAN														
425	2361	Stage 2		TSG GERAN														
426	2362	Adoption of relevant parts from Iur		TSG GERAN														
427	2363	Complementation with GERAN specifics		TSG GERAN														
428	2364	New stage 3		TSG GERAN														
429	<b>2426</b>	Inter BSS-RNS interface		<b>N;TSG RAN</b>														
430	2365	Identification of requirements		N;WG RAN3														
431	2366	Stage 2		N;WG RAN3														
432	2367	Adoption of relevant parts from Iur		N;WG RAN3														
433	2368	Complementation with GERAN specifics		N;WG RAN3														
434	2369	New stage 3		N;WG RAN3														
435	<b>2370</b>	<b>Voice over GERAN PS and CS concept</b>		<b>N;WG RAN3</b>														
436	2371	Architecture for A, Iu cs and Iu ps		N;WG RAN3														
437	2372	Transcoder position/operation		TSG GERAN														
438	2373	Handover		N;WG RAN3														
439	2374	RTP payload		N;WG RAN3														
440	2375	Codec renegotiation concept		N;WG RAN3														
441	2376	LA		TSG GERAN														
442	<b>2377</b>	<b>GERAN Narrowband speech realization</b>		<b>TSG GERAN</b>														
443	<b>2427</b>	8-PSK NB HR		<b>MG GERAN1</b>														
444	2378	Channel coding in 45.003		MG GERAN1														
445	2379	Signalling for A interface		MG GERAN1														
446	2380	Signalling for Iu		MG GERAN1														
447	2381	Link adaptation in 45.009		MG GERAN1														
448	2382	Receiver performance in 45.005		MG GERAN1														
449	<b>2428</b>	8-PSK NB QR		<b>TSG GERAN</b>														
450	2383	Channel coding in 45.003		TSG GERAN														
451	2384	Signalling for A interface		TSG GERAN														

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452	2385	Signalling for lu		TSG GERAN														
453	2386	Link adaptation in 45.009		TSG GERAN														
454	2387	Receiver performance in 45.005		TSG GERAN														
455	<b>2388</b>	<b>GERAN MS Conformance test for GERAN interface evolution</b>		<b>TSG GERAN</b>														
456	2389	MS test		TSG GERAN														
457	<b>2390</b>	<b>GERAN MS Conformance test for GERAN interface evolution</b>		<b>TSG GERAN</b>														
458	2391	BSS test		TSG GERAN														
459	<b>2392</b>	<b>GERAN enhancements for streaming services 1 (RLC en</b>	Rel5	<b>TSG GERAN</b>														
460	2394	<b>Concept</b>		TSG GERAN														
461	2395	<b>RLC protocol enhancement (SDU Discard)</b>		TSG GERAN														
462	<b>2396</b>	<b>GERAN enhancements for streaming services 2 (usage c</b>	Rel5	<b>TSG GERAN</b>														
463	2398	<b>Usage of ECSD Concept</b>		TSG GERAN														
464	2399	<b>Stage 2</b>		TSG GERAN														
465	2400	<b>Stage 3</b>		TSG GERAN														
466	2401	<b>RLC PDU formats</b>		TSG GERAN														
467	2402	<b>MAC header</b>		TSG GERAN														
468	<b>2412</b>	<b>GERAN/UTRAN interface evolution 1 (evolution of lu PS)</b>	Rel5	<b>N;WG RAN3</b>														
469	<b>2413</b>	<b>Evolution of lu ps</b>		<b>N;WG RAN3</b>														
470	2414	Identification of GERAN requirements on lu ps		N;WG RAN3														
471	2415	Update of specifications		N;WG RAN3														
472	<b>2416</b>	<b>GERAN/UTRAN interface evolution 2 (evolution of lu CS)</b>	Rel5	<b>N;WG RAN3</b>														
473	<b>2417</b>	<b>Evolution of lu cs</b>		<b>N;WG RAN3</b>														
474	2418	Identification of GERAN requirements on lu cs		N;WG RAN3														
475	2419	Update of specifications		N;WG RAN3														
476	<b>2499</b>	<b>Support of Presence Capability</b>	Rel6	<b>WG SA1</b>														
477	2501	<b>Stage 1</b>		WG SA1														
478	2502	<b>Stage 2</b>		WG SA2														
479	2503	<b>Stage 3</b>		WG CN1														

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480	2504	<b>Security issues</b>		WG SA3														
481	2505	<b>USIM issues</b>		WG T3														
482	2506	<b>UE issues</b>		WG T2														
483	31028	<b>Presence Service Enhancements</b>	Rel6	WG SA1														
484	2520	<b>User Equipment Management</b>	Rel5	WG SA5														
485	35000	<b>FS on User Equipment (UE) Management</b>	Rel5	WG SA5														
486	2527	<b>Emergency calls without UICC/SIM in netw. with IMS</b>	Rel6	WG SA2														
487	32014	<b>Stage 2</b>		WG SA2														
488	2528	<b>Stage 3 work for CN1</b>		WG CN1														
489	2556	<b>End to End QoS for PS Domain including IMS</b>	Rel5	WG SA2														
490	2557	<b>E2E QoS Concept and Architecture</b>		WG SA2														
491	2558	<b>E2E QoS interworking</b>		WG CN3														
492	2559	<b>QoS Management (Provisioning and Monitoring)</b>		WG SA5														
493	2569	<b>Messaging enhancements Rel-5</b>	Rel5	WG T2														
494	2571	<b>Multimedia Messaging (MMS) enhancements</b>		WG T2														
495	31000	Definition of service requirements	Rel5	WG SA1														
496	42000	Technical realization		WG T2														
497	42008	WAP Forum dependency: MM1 stage 3		WG T2														
498	34018	MMS formats and codecs		WG SA4														
499	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>		WG T2														
500	31001	Definition of service requirements		WG SA1														
501	42001	Technical realization		WG T2														
502	50001	<b>GERAN Inter BSC NACC improvements over the Gb Inte</b>	Rel5	TSG GERAN														
503	14501	<b>Modification of core network protocols for GERAN Inter BSC</b>		:N4;WG SA2														
504	32502	Stage 2 - Concept		:N4;WG SA2														
505	14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC		:N4;WG SA2														
506	14503	Stage 3 (changes to TS 29.060)		WG CN4														
507	50002	<b>Modification of Gb protocols for GERAN Inter BSC NACC ov</b>		TSG GERAN														

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508	50003	Stage 3 (changes to TS 48.018)		TSG GERAN														
509	50033	<b>Enhanced Power Control</b>	Rel5	TSG GERAN														
510	50034	<b>Realization of Enhanced power control and signaling support</b>		TSG GERAN														
511	50035	<b>GERAN MS Conformance test for Enhanced Power Control</b>		TSG GERAN														
512	50036	<b>GERAN BTS Conformance test for Enhanced Power Control</b>		TSG GERAN														
513	50037	<b>8PSK AMR HR</b>	Rel5	TSG GERAN														
514	50038	<b>Definition of channel coding, performance requirements and</b>		TSG GERAN														
515	50061	Concept		TSG GERAN														
516	52004	Changes to 44.018		WG GERAN2														
517	51025	Changes to 45.001		WG GERAN1														
518	51026	Changes to 45.002		WG GERAN1														
519	51027	Changes to 45.003		WG GERAN1														
520	51028	Changes to 45.005		WG GERAN1														
521	52005	Changes to 24.008		WG GERAN2														
522	52006	Changes to 48.058		WG GERAN2														
523	50039	<b>GERAN MS Conformance test for 8PSK HR</b>		TSG GERAN														
524	50040	<b>GERAN BTS Conformance test for 8PSK HR</b>		TSG GERAN														
525	50056	<b>Enhanced A/Gb feasibility study</b>	TBD	TSG GERAN														
526	50057	<b>Performing a feasibility study on A/Gb enhancements</b>		WG GERAN2														
527	50058	<b>Multiple TBF in A/Gb mode</b>	Rel5	TSG GERAN														
528	50059	<b>Multiple TBF in A/Gb mode</b>		TSG GERAN														
529	50060	Multiple TBF Concept paper		TSG GERAN														
530	51001	Multiple TBF Stage 2 (43.064) CRs		WG GERAN1														
531	50062	Multiple TBF Stage 2 (44.060) CRs		WG GERAN2														
532	50063	<b>Flexible Layer One for GERAN</b>	TBD	TSG GERAN														
533	50064	<b>Realisation of a Flexible Layer One</b>		TSG GERAN														
534	50065	Concept Document		TSG GERAN														
535	51002	Architecture in 45.001 and 43.051		WG GERAN1														



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536	51003	Multiplexing in 45.002		WG GERAN1														
537	51004	Channel Coding in 45.003		WG GERAN1														
538	51005	Performance Requirements in 45.005		WG GERAN1														
539	51006	Radio subsystem link control in 45.008		WG GERAN1														
540	52071	Requirements in 44.004		WG GERAN2														
541	<b>52072</b>	<b>Signalling and protocol support for a Flexible Layer One</b>		<b>WG GERAN2</b>														
542	52073	Modifications to RLC/MAC in 44.060 and 44.160		WG GERAN2														
543	52074	Modifications to RRC in 44.118 and 44.018		WG GERAN2														
544	<b>52075</b>	<b>Security for a Flexible Layer One</b>		<b>WG GERAN2</b>														
545	52076	Ciphering in 44.160,44.118, 44.060 and 44.018		WG GERAN2														
546	<b>55077</b>	<b>GERAN MS Conformance test for the Flexible Layer One</b>		<b>WG GERAN5</b>														
547	55078	MS Test in 51.010		WG GERAN5														
548	<b>55079</b>	<b>GERAN BTS Conformance test for the Flexible Layer One</b>		<b>WG GERAN5</b>														
549	55080	BTS Test in 51.021		WG GERAN5														
550	50041	<b>Uplink TDOA feasibility study</b>	Rel6	TSG GERAN														
551	13000	<b>Service Change and UDI Fallback</b>	Rel5	WG CN3														
552	30001	<b>small Technical Enhancements and Improvements for R</b>	Rel5	Generic														
553	35009	<b>Trace Management</b>	Rel6	WG SA5														
554	<b>2544</b>	<b>Multimedia Broadcast and Multicast Service</b>	Rel6	<b>WG SA1</b>														
555	2545	<b>Stage 1</b>		WG SA1														
556	32002	<b>Stage 2</b>		WG SA2														
557	2481	<b>Enhancement of Broadcast and Introduction of Multicast Ca</b>		WG RAN2														
558	<b>31006</b>	<b>Speech Recognition and Speech Enabled Services</b>	Rel6	<b>WG SA1</b>														
559	31007	<b>Speech Enabled Services Based on Distributed Speech Rec</b>		WG SA1														
560	32999	<b>Stage 2 of DSR</b>		WG SA2														
561	11021	<b>SDP protocols extension to include DSR</b>		WG CN1														
562	<b>31008</b>	<b>Generic User Profile</b>	Rel6	<b>WG SA1</b>														
563	31009	<b>Stage 1 - Requirements</b>		WG SA1														

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564	42002	Stage 2 - Data description framework		WG T2															
565	32008	Stage 2 - Architecture		WG SA2															
566	42003	Stage 3 - Common objects		WG T2															
567	14008	Stage 3 - Network		WG CN4															
568	31010	Digital Rights Management	Rel6	WG SA1															
569	31011	Requirements		WG SA1															
570	32009	Architecture		WG SA2															
571	33001	Security		WG SA3															
572	34017	Codec Aspects		WG SA4															
573	42004	Terminal Aspects		WG T2															
574	31012	FS on WLAN-UMTS Interworking	Rel6	WG SA1															
575	31020	Technical Report		WG SA1															
576	32018	WLAN Interworking – Architecture Definition		WG SA2															
577	31015	Priority Service	Rel6	WG SA1															
578	31016	Feasibility Study		WG SA1															
579	31017	Stage 1 - Requirements		WG SA1															
580	31018	Network Sharing	Rel6	WG SA1															
581	31019	Technical Report		WG SA1															
582	31013	UE Functionality Split	Rel6	WG SA1															
583	31021	Technical Report	Rel5	WG SA1															
584	32013	Stage 2		WG SA2															
585	32016	QoS Improvements	NA	WG SA2															
586	32017	Dynamic Policy control enhancements for end-to-end QoS	Rel6	WG SA2															
587	33002	Support for subscriber certificates	Rel6	WG SA3															
588	15010	Rel-6 OSA enhancements	Rel6	WG SA1															
589	15011	Support of a Generic Network Interface Function (Stage 1&3)		WG CN5															
590	15012	Local services (Stage 1&3)		WG CN5															
591	15013	Support for MMS Relay/Server to VASP Connectivity (Stage		WG CN5															

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592	15014	<b>Support for the Push-Service (Stage 1&amp;3)</b>		WG CN5														
593	15015	<b>Enhanced User Notification (Stage 1&amp;3)</b>		WG CN5														
594	15016	<b>Support for GUP to enable applications access to the Users</b>		WG CN5														
595	15017	<b>Security</b>		WG SA3														
596	23004	<b>Shared Network support in connected Mode</b>	Rel6	WG RAN3														
597	0	<b>----- Rel-4 features listed below -----</b>	Rel4															
598	1340	<b>Facsimile</b>	Rel4	WG SA1														
599	1341	<b>Real Time Fax</b>		WG SA2														
600	1808	Terminal capabilities, AT commands		WG T2														
601	1343	Signalling aspects (e.g. ICM)		WG CN1														
602	1648	Service provision		WG CN3														
603	1345	Review whether service/stage 1 aspects need to be aligned		WG SA1														
604	1346	Review whether architecture/stage 2 aspects need to be aligned		WG SA2														
605	1539	<b>Transparent End-to-End PS mobile streaming applicator</b>	Rel4	WG SA4														
606	1818	<b>Multimedia Messaging</b>	Rel4	WG T2														
607	136	<b>Definition of service requirements</b>		WG SA1														
608	1819	<b>Review of definition of service requirements</b>		WG T2														
609	1820	<b>Technical Realisation</b>		WG T2														
610	1821	Review of definition of reference Achitecture model		WG T2														
611	1822	"Fulfill Requirements of Stage 1"		WG T2														
612	1823	Definition of MMS primitives in Stage 2		WG T2														
613	1541	<b>Transcoder-Free Operation</b>	Rel4	WG CN4														
614	112	<b>OoBTC solution</b>		WG CN4														
615	1512	implementation in UTRAN		WG RAN3														
616	896	Impact on architecture, Principles and Terminology		WG SA2														
617	1657	Codec Negotiation between UE and MSC		WG CN1														
618	115	Codec Negotiation inter MSC		WG CN4														
619	894	Bearer establishment inter MSC		WG CN4														

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620	1617	Prevention of user fraud		WG SA3														
621	905	<b>Speech Transcoder: Location and Control at the UMTS Core</b>		WG SA2														
622	124	Transcoder at Edge		TSG CN														
623	2310	<b>GERAN improvements 1 (Gb over IP)</b>	Rel4	TSG GERAN														
624	2311	<b>Gb over IP (Ip-fication of Gb)</b>		TSG GERAN														
625	2312	Concept		TSG GERAN														
626	2313	Changes to 08.16, 08.18		TSG GERAN														
627	2314	<b>GERAN improvements 2 (NACC)</b>	Rel4	TSG GERAN														
628	2315	<b>Gb enhancements</b>		TSG GERAN														
629	2316	Intra BSC NACC (Network Assisted Cell Change)		TSG GERAN														
630	2420	Concept		TSG GERAN														
631	2317	Changes in 03.64		TSG GERAN														
632	2318	Changes in 04.60		TSG GERAN														
633	2319	Changes in 44.008		TSG GERAN														
634	0	<b>Start Testing</b>																
635	50030	<b>MS conformance test for Intra BSC NACC</b>		TSG GERAN														
636	50099	Changes in 51.010		TSG GERAN														
637	2324	<b>GERAN improvements 4 (Delayed TBF)</b>	Rel4	TSG GERAN														
638	2325	<b>Gb enhancements 2</b>		TSG GERAN														
639	2429	stage 2		TSG GERAN														
640	2421	Stage 3 (changes in 44.060)		MG GERAN2														
641	2327	Definition of enhanced countdown procedure		MG GERAN2														
642	2328	Definition of enhanced TBF release procedure		MG GERAN2														
643	2329	Definition of USF=FREE type polling mechanism on PDCH		MG GERAN2														
644	1222	<b>Low Chip Rate TDD option</b>	Rel4	WG RAN1														
645	1223	<b>Physical layer</b>		WG RAN1														
646	1224	<b>Layer 2 and layer 3 protocol aspects</b>		WG RAN2														
647	1225	<b>RF radio transmission/reception, system performance requi</b>		WG RAN4														

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648	1227	<b>UE radio access capability</b>		WG RAN2														
649	1228	<b>Iub/Iur protocol aspects</b>		WG RAN3														
650	2262	<b>Low chiprate TDD interworking with GERAN</b>																
651	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD																
652	1911	<b>Start Testing</b>		MLST														
653	2103	<b>Conformance Test Aspects - Low Chip Rate TDD</b>		<b>WG T1</b>														
654	2217	Testing Layer 2 and layer 3 protocol aspects		WG T1														
655	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN		WG T1														
656	2218	Testing RF Radio Transmission and Reception		WG T1														
657	1322	<b>Enable bearer independent CS architecture</b>	Rel4	<b>WG SA2</b>														
658	1323	<b>Enable bearer-independent call control</b>		<b>WG CN4</b>														
659	1516	Architecture and Stage 2 description		WG SA2														
660	1325	Standardisation of protocols (control & user planes) over Nb interface		WG CN3														
661	1326	Standardisation of protocols over reference points between MSC server		WG CN4														
662	1616	Standardisation of detailed stage 2 description		WG CN4														
663	1327	Bearer control between MSC server and MGW		<b>WG CN4</b>														
664	1328	stage 3 - protocol issues		WG CN4														
665	1329	stage 3 - parameter value issues		WG CN3														
666	1331	<b>Lawful interception</b>		WG SA3														
667	1918	<b>Start Testing</b>		MLST														
668	2052	<b>Conformance Test Aspects - Enable bearer independent CS</b>		WG T1														
669	1445	<b>MExE enhancements Rel-4</b>	Rel4	<b>WG T2</b>														
670	1447	<b>MExE Security Analysis Activity</b>		<b>WG SA3</b>														
671	2045	Stage 3		WG SA3														
672	1448	Terminal aspects		WG T2														
673	1810	<b>MExE Rel4 Improvements and Investigations</b>		<b>WG T2</b>														
674	1812	3rd MExE classmark		WG T2														
675	1814	FS on Secure download mechanism and capabilities to support SDR con		WG T2														

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676	1815	FS on Support of MP3/MPEG4 content		WG T2														
677	41003	<b>Conformance testing of MExE capability (Feasibility study)</b>	Rel4	WG T1														
678	1631	<b>Tandem Free aspects for 3G and between 2G and 3G sys</b>	Rel4	<b>WG SA4</b>														
679	1632	<b>Tandem Free AMR</b>		<b>WG SA4</b>														
680	130	Specification		WG SA4														
681	907	Impact on:		<b>TSG CN</b>														
682	131	CN		TSG CN														
683	132	GERAN		TSG GERAN														
684	2230	<b>Advanced Speech Call Items enhancements_REL-4</b>	Rel4	<b>WG CN1</b>														
685	2232	<b>Stage 2</b>		WG CN4														
686	2231	<b>Stages 2 and 3 on A interface</b>		WG CN1														
687	2403	<b>700 MHz spectrum support</b>	Rel4	<b>TSG GERAN</b>														
688	2404	<b>GERAN support for the 700 MHz band</b>		<b>TSG GERAN</b>														
689	2405	Signalling support		TSG GERAN														
690	2406	Physical layer definitions		TSG GERAN														
691	2407	Receiver performance and RF budget		TSG GERAN														
692	2408	<b>GERAN MS Conformance test for 700 MHz band</b>		<b>TSG GERAN</b>														
693	2409	MS test		TSG GERAN														
694	2410	<b>GERAN BTS Conformance test for 700 MHz band</b>		<b>TSG GERAN</b>														
695	2411	BTS test		TSG GERAN														
696	2463	<b>Operator Determined Barring for Packet Oriented Servi</b>	Rel4	TSG CN														
697	2546	<b>UMTS QoS Architecture for PS Domain</b>	Rel4	<b>WG SA2</b>														
698	2548	<b>Architecture</b>		WG SA2														
699	2550	<b>Charging and OAM&amp;P for QoS Management</b>		WG SA5														
700	1681	<b>RAB Quality of Service (re)Negotiation over Iu</b>		<b>WG RAN3</b>														
701	1991	RAB Quality of Service Negotiation over Iu		WG RAN3														
702	2456	RAB Quality of Service Negotiation over Iu during relocation		WG RAN3														
703	1992	RAB Quality of Service Re-Negotiation over Iu		WG RAN3														

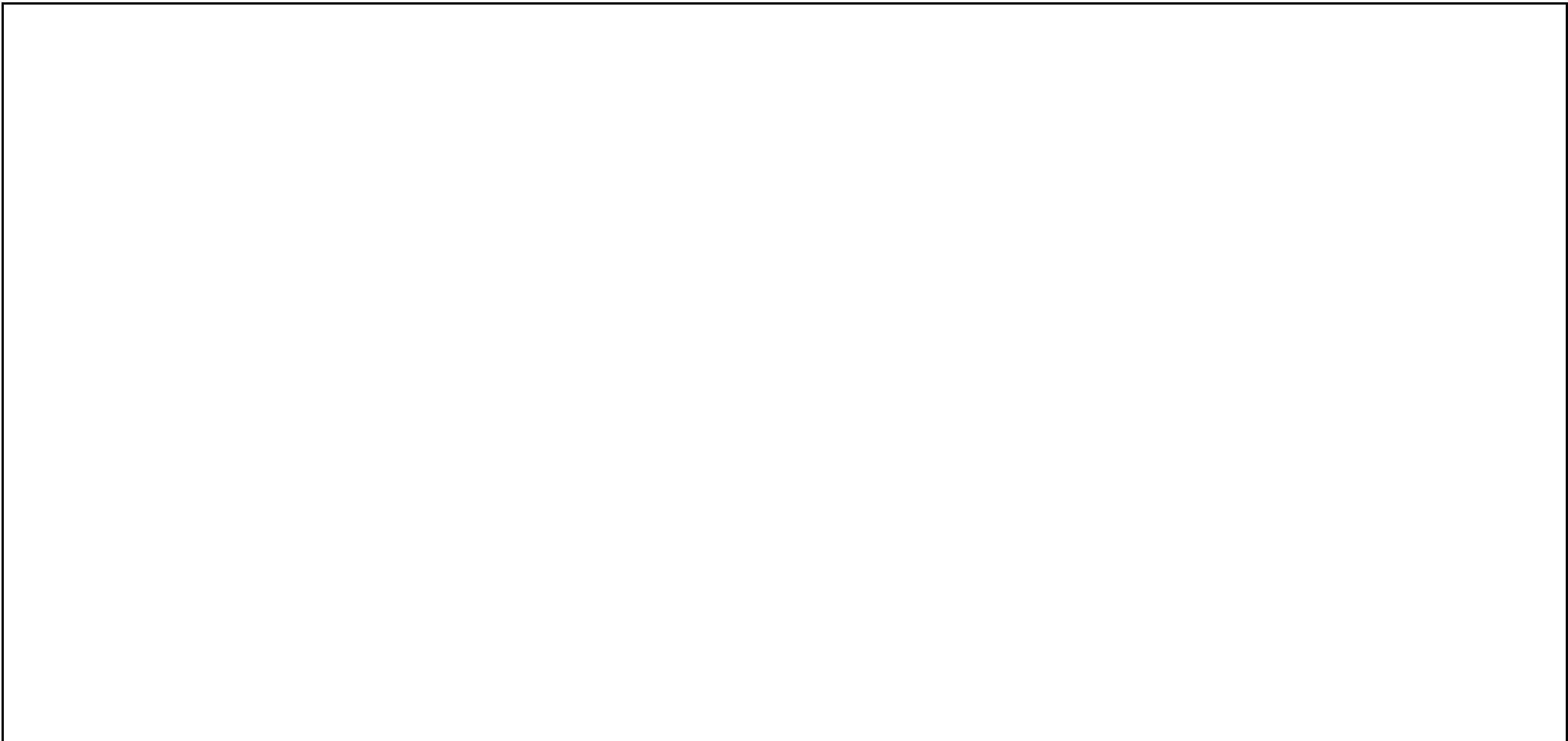
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704	1553	<b>GERAN QoS Aspects - Handovers: maintenance of real-time</b>		TSG GERAN														
705	2306	Handover Concept for the PS domain		TSG GERAN														
706	2309	Stable RT handover report 25.936 including header removal		TSG GERAN														
707	2307	Update of stage 2		TSG GERAN														
708	2308	Update of relevant stage 3 specs -> RRC		WG GERAN2														
709	50010	<b>GERAN MS Conformance test for inter-system and intra-sys</b>		:RAN4;RAN3														
710	50011	Handover for the PS domain		:RAN4;RAN3														
711	50012	Stable RT handover report 25.936 including header removal		:RAN4;RAN3														
712	50013	Update of stage 2		:RAN4;RAN3														
713	50014	Update of relevant stage 3 specs		:RAN4;RAN3														
714	1685	<b>PS-domain handover for real-time services</b>		WG RAN3														
715	2554	<b>RAB QoS Renegotiation at Relocation</b>		WG RAN3														
716	1993	<b>small Technical Enhancements and Improvements for Rel-4</b>	Rel4	Generic														
717	400002	<b>Rel-4 Evolutions of the transport in the UTRAN</b>	NA	TSG RAN														
718	12	<b>QoS optimisation for AAL2 connections over lub and lur int</b>	Rel4	WG RAN3														
719	1995	<b>Transport bearer modification procedure on lub, lur, and lu</b>	Rel4	WG RAN3														
720	401834	<b>Conformance Test Aspects of Rel-4 evolutions of the transp</b>		WG T1														
721	2208	Testing RAB support enhancements		WG T1														
722	400004	<b>Rel-4 Evolutions of the transport in the CN</b>	NA	WG CN4														
723	859	<b>IP Transport of CN protocols (e.g., CAP, MAP)</b>	Rel4	WG CN4														
724	1679	Stage 3		WG CN4														
725	2018	CAP		WG CN2														
726	2019	MAP		WG CN4														
727	2253	BSSAP+		WG CN1														
728	1513	<b>FS on Transport and control separation in the PS CN doma</b>	Rel4	WG SA2														
729	1615	Architectural impacts		WG SA2														
730	401216	<b>Rel-4 Improvements of Radio Interface</b>	NA	TSG RAN														
731	1509	<b>UTRA repeater specification (master)</b>	Rel4	WG RAN4														

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732	1994	<b>DSCH power control improvement in soft handover</b>	Rel4	WG RAN1														
733	1996	<b>UMTS 1800</b>	el indep	WG RAN4														
734	2467	<b>UMTS 1900</b>	el indep	WG RAN4														
735	1219	<b>FS on High Speed downlink packet access</b>		WG RAN2														
736	1510	<b>FS on improved common DL channel for Cell-FACH state</b>		WG RAN2														
737	<b>401839</b>	<b>Conformance Test Spec. Rel-4 improvements in Radio Inter</b>		<b>WG T1</b>	[Timeline bar from Feb 2002 to Mar 2003]													
738	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dec		WG T1	[Timeline bar from Feb 2002 to Sep 2002]													
739	2213	Testing Terminal Power saving features		WG T1	[Timeline bar from Feb 2002 to Sep 2002]													
740	2214	Testing DSCH power control improvement in soft handover	Rel4	WG T1	[Timeline bar from Feb 2002 to Sep 2002]													
741	2215	Testing UMTS 1800	el indep	WG T1	[Timeline bar from Feb 2002 to Jun 2002]													
742	41000	Testing UMTS 1900	el indep	WG T1	[Timeline bar from Feb 2002 to Jun 2002]													
743	2561	Testing UMTS 1800 - TTCN	el indep	WG T1	[Timeline bar from Jul 2002 to Mar 2003]													
744	41001	Testing UMTS 1900 - TTCN	el indep	WG T1	[Timeline bar from Jul 2002 to Mar 2003]													
745	<b>400009</b>	<b>Rel-4 RAN improvements</b>	<b>NA</b>	<b>TSG RAN</b>	[Timeline bar from Feb 2002 to Mar 2003]													
746	655	<b>Node B synchronisation for TDD</b>	Rel4	WG RAN1	[Timeline bar from Feb 2002 to Mar 2003]													
747	2206	<b>RAB support enhancement for Rel-4</b>	Rel4	WG RAN2	[Timeline bar from Feb 2002 to Mar 2003]													
748	401912	<b>Start Testing</b>		MLST	[Timeline bar from Feb 2002 to Mar 2003]													
749	<b>402102</b>	<b>Conformance Test Aspects - Rel-4 RAN Improvements</b>		<b>WG T1</b>	[Timeline bar from Feb 2002 to Mar 2003]													
750	402222	Testing Radio access bearer support enhancements		WG T1	[Timeline bar from Feb 2002 to Sep 2002]													
751	402461	Testing RAB support enhancements-Robust Header Compression	Rel4	WG T1	[Timeline bar from Apr 2002 to Mar 2003]													
752	<b>401652</b>	<b>Rel-4 Emergency call enhancements</b>	<b>NA</b>	<b>WG CN1</b>	[Timeline bar from Feb 2002 to Mar 2003]													
753	<b>1654</b>	<b>For CS based calls</b>	<b>Rel4</b>	<b>WG CN1</b>	[Timeline bar from Feb 2002 to Mar 2003]													
754	1320	Distinction in CS domain of emergency call types to different emergency		WG SA1	[Timeline bar from Feb 2002 to Mar 2003]													
755	1999	Distinction in CS domain of emergency calls to different emergency types		WG CN1	[Timeline bar from Feb 2002 to Mar 2003]													
756	402224	Conformance Test Aspects - Emergency call enhancements		WG T1	[Timeline bar from Feb 2002 to Mar 2003]													
757	2226	Testing CS based emergency calls		WG T1	[Timeline bar from Feb 2002 to Jun 2002]													
758	2563	Testing CS based emergency calls - TTCN		WG T1	[Timeline bar from Feb 2002 to Mar 2003]													
759	<b>401637</b>	<b>Rel-4 OSA enhancements</b>	<b>NA</b>	<b>WG SA1</b>	[Timeline bar from Feb 2002 to Mar 2003]													



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760	2120	<b>General Stage 2 for Rel4</b>	Rel4	WG SA2														
761	401424	<b>CHECK STATUS - Interactions OSA - e-commerce</b>	Rel5	WG SA2														
762	1425	Stage 1		WG SA1														
763	1529	Stages 2 and 3		WG CN5														
764	401786	<b>CHECK STATUS - LCS - OSA interfaces</b>	Rel5	WG SA1														
765	401787	Stage 1		WG SA1														
766	402124	Stage 2		WG SA2														
767	401788	Stage 3		WG CN5														
768	401826	<b>Rel-4 Terminal interfaces</b>	NA	WG T2														
769	1827	<b>AT commands enhancements</b>	Rel4	WG T2														
770	1828	Specification of AT commands for new services		WG T2														
771	1858	UE Conformance test spec. AT command		WG T1														
772	1829	<b>Wide Area Data Synchronisation</b>	NA	WG T2														
773	1830	Continues evolution of Synchronisation protocol	Rel4	WG T2														
774	1832	<b>Terminal local model</b>	Rel4	WG T2														
775	401536	<b>Rel-4 Location Services enhancements</b>	NA	WG SA2														
776	2229	<b>CBS interactions</b>	Rel4	WG T2														
777	523	<b>LCS support in the CS domain</b>	Rel4	WG SA2														
778	525	<b>LCS support in the PS domain</b>	Rel4	WG SA2														
779	1642	Stage 1		WG SA1														
780	1181	Stage 2		WG SA2														
781	1180	Stage 3		WG CN1														
782	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPR		WG CN1														
783	2462	MAP impacts of LCS		WG CN4														
784	527	GTP signaling for LCS		WG CN4														
785	401600	<b>UE positioning Rel-4</b>	NA	TSG RAN														
786	1601	Iub/Iur interfaces for methods Rel 99	Rel4	WG RAN3														
787	1602	UE positioning enhancements - IPDL for TDD	Rel4	WG RAN2														

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788	401560	<b>Rel-4 UICC/(U)SIM enhancements and interworking</b>	NA	WG T3														
789	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4	WG T3														
790	401800	<b>Rel-4 (U)SIM toolkit enhancements</b>	NA	WG T3														
791	2034	<b>USAT local link</b>	Rel4	WG T3														
792	401571	<b>Rel-4 Security enhancements</b>	NA	WG SA3														
793	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development an</b>	Rel4	WG SA3														
794	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	Rel4	WG SA3														
795	1589	Main aspects		WG SA3														
796	1618	Impact on GTP		WG CN4														
797	1661	GEA capability indication in MS CM		WG CN1														
798	401583	<b>MAP application layer security</b>	Rel4	WG SA3														
799	401584	Main aspects		WG SA3														
800	402025	Other stage 3 aspects		WG CN4														
801	401594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3														
802	401142	<b>Rel-4 Charging and OAM&amp;P</b>	NA	WG SA5														
803	2089	<b>Rel4 Principles, high level Requirements and Architecture</b>	Rel4	WG SA5														
804	2088	<b>Rel4 Performance Management</b>	Rel4	WG SA5														
805	2081	<b>Fault Management</b>	Rel4	WG SA5														
806	2082	<b>Configuration Management</b>	Rel4	WG SA5														
807	2083	<b>Rel4 Charging Management</b>	Rel4	WG SA5														
808	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4	WG SA5														



Project: 3GPP_Work Plan Date: Tue 04/06/02	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			

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1	2044	<b>VERSION 2002 June 4th</b>	Rel															
3	2058	<b>Content of Rel4 frozen. Rel5 and after not frozen.</b>	Rel															
4	0		Rel															
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	TSG RAN														
7	625	<b>IP transport in the UTRAN</b>	Rel5	WG RAN3														
8	4	<b>Evolutions of the transport in the CN</b>	NA	WG CN4														
9	2455	<b>FS on Usage of SUA</b>	Rel5	WG CN4														
10	2476	<b>High Speed Downlink Packet Access</b>	Rel5	WG RAN2														
15	1216	<b>Improvements of Radio Interface</b>	NA	TSG RAN														
16	1470	<b>Improvement of inter-frequency and inter-system measure</b>	Rel5	WG RAN1														
17	1471	<b>Base station classification</b>	Rel5	WG RAN4														
24	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel6	WG RAN1														
25	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5	WG RAN1														
26	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5	WG RAN1														
27	1506	<b>FS on Radio link performance enhancements</b>	Rel5	WG RAN1														
28	1221	<b>FS on USTS</b>	Rel5	WG RAN1														
29	1997	<b>FS on UE antenna efficiency test method performance requi</b>	Rel5	WG RAN4														
30	2494	<b>FS on the re-introduction of the downlink SIR measuremen</b>	Rel5	WG RAN4														
31	24001	<b>FS on UTRA WideBand Distribution Systems</b>	Rel5	WG RAN4														
32	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>	Rel5	WG RAN4														
33	24003	<b>FS for the viable deployment of UTRA in additional and div</b>	Rel6	WG RAN4														
34	24004	<b>Improving Receiver Performance Requirements for the FDD</b>	Rel6	WG RAN4														
35	24005	<b>FS on UE antenna efficiency test methods performance req</b>	Rel6	WG RAN4														
36	21000	<b>FS on Improvement of inter-frequency and inter-system me</b>	Rel5	WG RAN1														
37	1839	<b>Conformance Test Spec. improvements in Radio Interface</b>		WG T1														
38	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	WG T1														
39	2211	Testing Hybrid ARQ II/III	Rel5	WG T1														
40	9	<b>RAN improvements</b>	NA	TSG RAN														

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41	656	RRM optimization for lur and lub	Rel5	WG RAN3														
45	2488	RL Timing Adjustment	Rel5	WG RAN3														
46	2489	Separation of resource reservation and radio link activation	Rel5	WG RAN3														
47	2490	Improvement of Radio Resource Management across RNS	Rel5	WG RAN3														
48	2491	Re-arrangements of lub transport bearers	Rel5	WG RAN3														
49	23003	SRNS Relocation Procedure Enhancement	Rel5	WG RAN3														
51	22000	RAB support enhancement for Rel-5	Rel5	WG RAN2														
52	1680	Header compression removal/stripping in the RAN	Rel5	TSG RAN														
53	1686	Unequal error protection in PS domain in the RAN	Rel5	TSG RAN														
54	21001	Beamforming requirements for UE	Rel5	WG RAN1														
55	20999	Beamforming Enhancements	Rel5	WG RAN1														
56	21002	Support of Site Selection Diversity Transmission in UTRAN	Rel5	WG RAN1														
57	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	WG RAN1														
58	23005	Improvement of RRM across RNS and RNS/BSS	Rel6	WG RAN3														
62	1273	Provisioning of IP-based multimedia services	NA	WG SA1														
63	1274	Call control and roaming to support IMS in UMTS	Rel5	WG SA2														
88	1298	Access Security for IMS	Rel5	WG SA3														
92	2574	Security Aspects of Requirement for Network Configuration	Rel5	WG SA3														
94	35007	Charging and OAM&P for IMS	Rel5	WG SA5														
98	2036	Multimedia codecs and protocols for conversational PS ser	Rel5	WG SA4														
100	34020	Transport protocols	Rel5	WG SA4														
103	32003	SIP message compression	Rel5	WG SA2														
106	10001	Stage 3 description of IMS interfaces	Rel5	TSG CN														
120	1310	Support of VHE/OSA by entities and protocols of the IMS (e.	Rel5	WG CN5														
121	12000	Support of CAMEL by the IMS	Rel5	WG CN2														
128	35005	Charging	Rel5	WG SA5														
131	10002	Other IETF dependencies	Rel5	TSG CN														
134	1913	Start Testing	Rel5	MLST														

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136	34001	<b>Extended Transparent End-to-End PS Streaming Service</b>	Rel5	WG SA4														
140	1652	<b>Emergency call enhancements</b>	Rel6	WG CN1														
141	1653	<b>For IP &amp; PS based calls</b>	Rel6	WG CN1														
149	1517	<b>Global Text Telephony</b>	Rel5	WG SA2														
157	1637	<b>OSA enhancements for Rel-5</b>	NA	WG SA1														
159	1429	<b>OSA APIs for Multimedia Call Control</b>	Rel5	WG SA2														
162	1433	<b>Retrieval of Terminal capabilities</b>	Rel6	WG SA2														
166	15003	<b>Generic user interaction - Stage 3</b>	Rel5	WG CN5														
167	15004	<b>Charging - Stage 3</b>	Rel5	WG CN5														
168	15005	<b>Policy Management - Stage 3</b>	Rel6	WG CN5														
169	15006	<b>Presence and Availability Management (PAM) - Stage 3</b>	Rel6	WG CN5														
170	15007	<b>Check N5 - Call Control Service Mapping; Multiparty Call C</b>	Rel5	WG CN5														
171	15999	<b>WSDL APIs for SOAP/HTTP - Stage 3</b>	Rel5	WG CN5														
172	2538	<b>Interaction with other features</b>	NA	WG SA1														
173	2539	Access to Presence information	Rel6	WG SA1														
174	2540	Access to User Profile	Rel6	WG SA1														
175	2541	Policy Management	Rel6	WG SA1														
176	1419	<b>OSA security</b>	Rel5	WG SA3														
182	1786	<b>CHECK STATUS - LCS - OSA interfaces</b>	Rel5	WG SA1														
186	1638	<b>CAMEL phase 4</b>	Rel5	WG SA1														
200	2464	<b>Rel-5 MExE enhancements</b>	Rel5	WG T2														
203	1625	<b>Wideband Telephony Service - AMR</b>	Rel5	WG SA4														
239	1826	<b>Terminal interfaces</b>	NA	WG T2														
240	2573	<b>Terminal local model enhancements</b>	Rel5	WG T2														
241	1536	<b>Location Services enhancements</b>	NA	WG SA2														
242	1600	<b>UE positioning</b>	NA	TSG RAN														
244	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	WG RAN2														
245	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 pr	Rel6	WG RAN2														

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247	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5	WG RAN2														
248	1171	<b>Event based and Periodic LCS</b>	Rel5	WG SA1														
252	2436	<b>Location Services for GERAN in A/Gb Mode</b>	Rel5	TSG GERAN														
257	2442	<b>Location Services for GERAN in Iu Mode</b>	Rel5	TSG GERAN														
271	32001	<b>Enhanced support for user privacy and subscriber data han</b>	Rel5	WG SA2														
281	35008	<b>Charging and OAM&amp;P for LCS enhancements</b>	Rel5	WG SA5														
282	521	<b>New security aspects of LCS (not identified)</b>	Rel5	WG SA3														
283	32011	<b>Specification for the Le Interface</b>	Rel5	WG SA2														
284	32012	<b>Support of the Presence Service Architecture</b>	Rel5	WG SA2														
286	1800	<b>(U)SIM toolkit enhancements</b>	NA	WG T3														
288	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	WG T3														
292	1802	<b>UICC API</b>	NA	WG T3														
294	2031	C SIM API	Rel5	WG T3														
297	1571	<b>Security enhancements</b>	NA	WG SA3														
298	1583	<b>MAP application layer security</b>	Rel4	WG SA3														
301	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3														
302	1576	<b>Network domain security</b>	Rel5	WG SA3														
310	2026	<b>Enhanced HE control of security (including positive authent</b>	Rel6	WG SA3														
313	33003	<b>Rel-6 MAP application layer security</b>	Rel6	WG SA3														
316	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA	WG T1														
317	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	el Indep	WG T1														
318	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	el Indep	WG T1														
324	32021	<b>IMS Phase 2</b>	Rel6	WG SA1														
325	32015	<b>Radio optimisation impacts on PS domain architecture</b>	Rel6	WG SA2														
326	2048	<b>Interworking between IMS and IP networks</b>	Rel6	WG CN3														
329	32005	<b>IMS Local services</b>	Rel6	WG SA2														
331	13011	<b>Mm interface (CSCF to external IP multimedia network)</b>	Rel6	WG CN3														
334	13013	<b>Mg interface (BGCF to MGCF - interworking with CS)</b>	Rel6	WG CN3														

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337	14001	<b>Mc interface (IM-MGW to MGCF) enhancements</b>	Rel-6	WG CN4														
338	31022	<b>IMS Messaging (part of IMS2?)</b>	Rel6	WG SA1														
341	31025	<b>IMS Group Management (part of IMS2?)</b>	Rel6	WG SA1														
343	1365	<b>Support of Push Services</b>	Rel6	WG SA1														
346	42005	<b>Rel-6 MExE enhancements</b>	Rel6	WG T2														
349	1142	<b>Charging and OAM&amp;P</b>	NA	WG SA5														
350	35002	<b>Rel5 Principles, high level Requirements and Architecture</b>	Rel5	WG SA5														
351	35003	<b>Rel5 Performance Management</b>	Rel5	WG SA5														
352	35004	<b>Rel5 Charging Management</b>	Rel5	WG SA5														
353	35001	<b>Network Infrastructure Management</b>	Rel5	WG SA5														
354	2062	<b>Subscription Management</b>	Rel6	WG SA5														
355	2243	<b>Intra Domain Connection of RAN Nodes to Multiple CN N</b>	Rel5	WG SA2														
366	2320	<b>GERAN improvements 3 (new transport layer on interface</b>	Rel5	TSG GERAN														
459	2392	<b>GERAN enhancements for streaming services 1 (RLC en</b>	Rel5	TSG GERAN														
462	2396	<b>GERAN enhancements for streaming services 2 (usage c</b>	Rel5	TSG GERAN														
468	2412	<b>GERAN/UTRAN interface evolution 1 (evolution of lu PS)</b>	Rel5	N;WG RAN3														
472	2416	<b>GERAN/UTRAN interface evolution 2 (evolution of lu CS)</b>	Rel5	N;WG RAN3														
476	2499	<b>Support of Presence Capability</b>	Rel6	WG SA1														
483	31028	<b>Presence Service Enhancements</b>	Rel6	WG SA1														
484	2520	<b>User Equipment Management</b>	Rel5	WG SA5														
485	35000	<b>FS on User Equipment (UE) Management</b>	Rel5	WG SA5														
486	2527	<b>Emergency calls without UICC/SIM in netw. with IMS</b>	Rel6	WG SA2														
489	2556	<b>End to End QoS for PS Domain including IMS</b>	Rel5	WG SA2														
493	2569	<b>Messaging enhancements Rel-5</b>	Rel5	WG T2														
494	2571	<b>Multimedia Messaging (MMS) enhancements</b>		WG T2														
495	31000	Definition of service requirements	Rel5	WG SA1														
502	50001	<b>GERAN Inter BSC NACC improvements over the Gb Inte</b>	Rel5	TSG GERAN														
509	50033	<b>Enhanced Power Control</b>	Rel5	TSG GERAN														

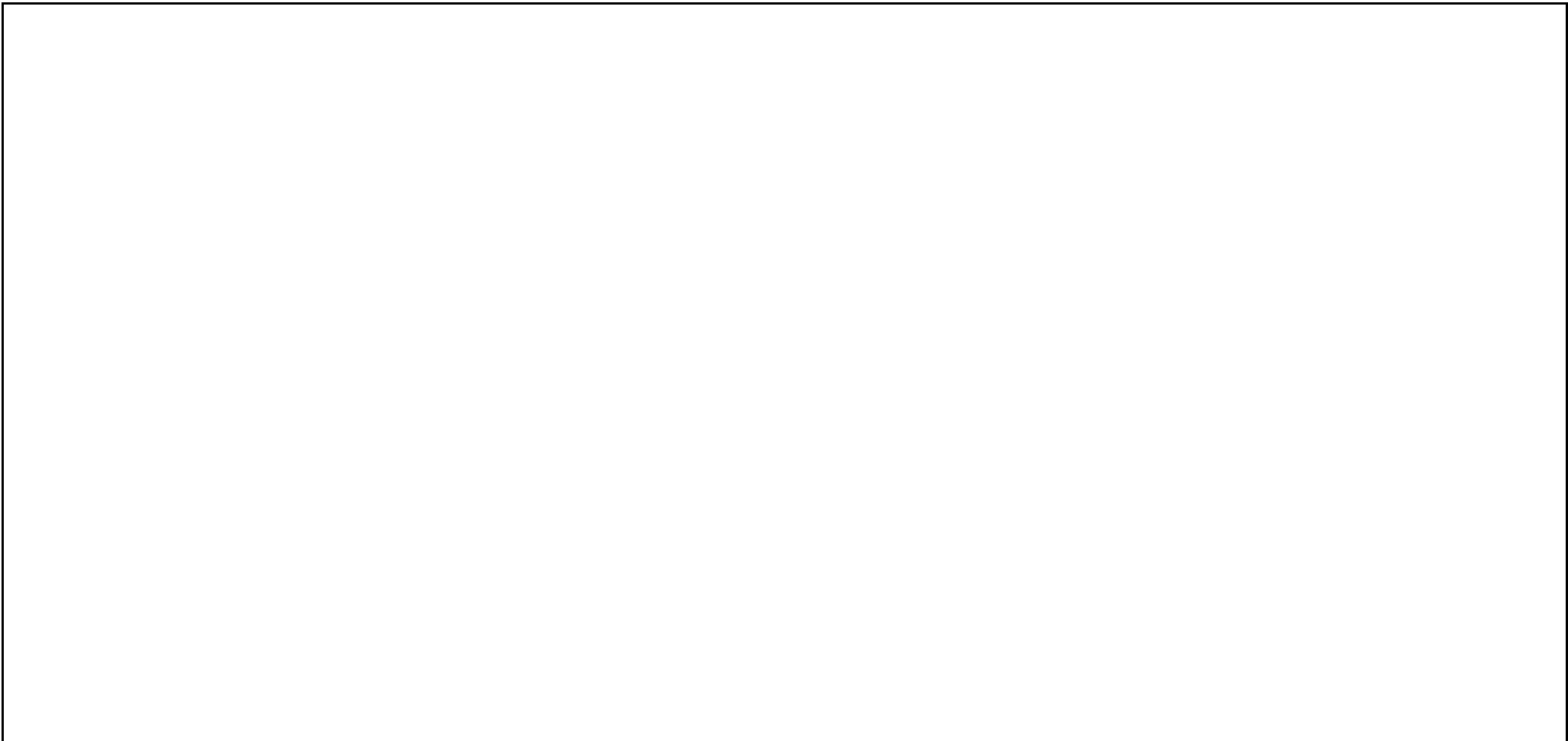


ID	Unique_ID	Name	Release	Resource Name	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003		
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
513	50037	8PSK AMR HR	Rel5	TSG GERAN														
527	50058	Multiple TBF in A/Gb mode	Rel5	TSG GERAN														
550	50041	Uplink TDOA feasibility study	Rel6	TSG GERAN														
551	13000	Service Change and UDI Fallback	Rel5	WG CN3														
552	30001	small Technical Enhancements and Improvements for R	Rel5	Generic														
553	35009	Trace Management	Rel6	WG SA5														
554	2544	Multimedia Broadcast and Multicast Service	Rel6	WG SA1														
558	31006	Speech Recognition and Speech Enabled Services	Rel6	WG SA1														
562	31008	Generic User Profile	Rel6	WG SA1														
568	31010	Digital Rights Management	Rel6	WG SA1														
574	31012	FS on WLAN-UMTS Interworking	Rel6	WG SA1														
577	31015	Priority Service	Rel6	WG SA1														
580	31018	Network Sharing	Rel6	WG SA1														
582	31013	UE Functionality Split	Rel6	WG SA1														
583	31021	Technical Report	Rel5	WG SA1														
585	32016	QoS Improvements	NA	WG SA2														
586	32017	Dynamic Policy control enhancements for end-to-end QoS	Rel6	WG SA2														
587	33002	Support for subscriber certificates	Rel6	WG SA3														
588	15010	Rel-6 OSA enhancements	Rel6	WG SA1														
596	23004	Shared Network support in connected Mode	Rel6	WG RAN3														
597	0	----- Rel-4 features listed below -----	Rel4															
598	1340	Facsimile	Rel4	WG SA1														
605	1539	Transparent End-to-End PS mobile streaming applicator	Rel4	WG SA4														
606	1818	Multimedia Messaging	Rel4	WG T2														
613	1541	Transcoder-Free Operation	Rel4	WG CN4														
623	2310	GERAN improvements 1 (Gb over IP)	Rel4	TSG GERAN														
627	2314	GERAN improvements 2 (NACC)	Rel4	TSG GERAN														
637	2324	GERAN improvements 4 (Delayed TBF)	Rel4	TSG GERAN														

ID	Unique_ID	Name	Release	Resource Name	2002		Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002			Qtr 1, 2003			
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
644	1222	Low Chip Rate TDD option	Rel4	WG RAN1															
657	1322	Enable bearer independent CS architecture	Rel4	WG SA2															
669	1445	MExE enhancements Rel-4	Rel4	WG T2															
677	41003	Conformance testing of MExE capability (Feasibility study)	Rel4	WG T1															
678	1631	Tandem Free aspects for 3G and between 2G and 3G sys	Rel4	WG SA4															
684	2230	Advanced Speech Call Items enhancements_REL-4	Rel4	WG CN1															
687	2403	700 MHz spectrum support	Rel4	TSG GERAN															
696	2463	Operator Determined Barring for Packet Oriented Servi	Rel4	TSG CN															
697	2546	UMTS QoS Architecture for PS Domain	Rel4	WG SA2															
716	1993	small Technical Enhancements and Improvements for Re	Rel4	Generic															
717	400002	Rel-4 Evolutions of the transport in the UTRAN	NA	TSG RAN															
718	12	QoS optimisation for AAL2 connections over lub and lur int	Rel4	WG RAN3															
719	1995	Transport bearer modification procedure on lub, lur, and lu	Rel4	WG RAN3															
722	400004	Rel-4 Evolutions of the transport in the CN	NA	WG CN4															
723	859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel4	WG CN4															
728	1513	FS on Transport and control separation in the PS CN doma	Rel4	WG SA2															
730	401216	Rel-4 Improvements of Radio Interface	NA	TSG RAN															
731	1509	UTRA repeater specification (master)	Rel4	WG RAN4															
732	1994	DSCH power control improvement in soft handover	Rel4	WG RAN1															
733	1996	UMTS 1800	el indep	WG RAN4															
734	2467	UMTS 1900	el indep	WG RAN4															
737	401839	Conformance Test Spec. Rel-4 improvements in Radio Inter		WG T1															
740	2214	Testing DSCH power control improvement in soft handover	Rel4	WG T1															
741	2215	Testing UMTS 1800	el indep	WG T1															
742	41000	Testing UMTS 1900	el indep	WG T1															
743	2561	Testing UMTS 1800 - TTCN	el indep	WG T1															
744	41001	Testing UMTS 1900 - TTCN	el indep	WG T1															
745	400009	Rel-4 RAN improvements	NA	TSG RAN															

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746	655	<b>Node B synchronisation for TDD</b>	Rel4	WG RAN1														
747	2206	<b>RAB support enhancement for Rel-4</b>	Rel4	WG RAN2														
749	402102	<b>Conformance Test Aspects - Rel-4 RAN Improvements</b>		<b>WG T1</b>														
751	402461	Testing RAB support enhancements-Robust Header Compression	Rel4	WG T1														
752	401652	<b>Rel-4 Emergency call enhancements</b>	NA	<b>WG CN1</b>														
753	1654	<b>For CS based calls</b>	Rel4	<b>WG CN1</b>														
759	401637	<b>Rel-4 OSA enhancements</b>	NA	<b>WG SA1</b>														
760	2120	<b>General Stage 2 for Rel4</b>	Rel4	WG SA2														
761	401424	<b>CHECK STATUS - Interactions OSA - e-commerce</b>	Rel5	<b>WG SA2</b>														
764	401786	<b>CHECK STATUS - LCS - OSA interfaces</b>	Rel5	<b>WG SA1</b>														
768	401826	<b>Rel-4 Terminal interfaces</b>	NA	<b>WG T2</b>														
769	1827	<b>AT commands enhancements</b>	Rel4	<b>WG T2</b>														
772	1829	<b>Wide Area Data Synchronisation</b>	NA	<b>WG T2</b>														
773	1830	Continues evolution of Synchronisation protocol	Rel4	WG T2														
774	1832	<b>Terminal local model</b>	Rel4	WG T2														
775	401536	<b>Rel-4 Location Services enhancements</b>	NA	<b>WG SA2</b>														
776	2229	<b>CBS interactions</b>	Rel4	WG T2														
777	523	<b>LCS support in the CS domain</b>	Rel4	WG SA2														
778	525	<b>LCS support in the PS domain</b>	Rel4	<b>WG SA2</b>														
785	401600	<b>UE positioning Rel-4</b>	NA	<b>TSG RAN</b>														
786	1601	lub/lur interfaces for methods Rel 99	Rel4	WG RAN3														
787	1602	UE positioning enhancements - IPDL for TDD	Rel4	WG RAN2														
788	401560	<b>Rel-4 UICC/(U)SIM enhancements and interworking</b>	NA	<b>WG T3</b>														
789	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4	WG T3														
790	401800	<b>Rel-4 (U)SIM toolkit enhancements</b>	NA	<b>WG T3</b>														
791	2034	<b>USAT local link</b>	Rel4	WG T3														
792	401571	<b>Rel-4 Security enhancements</b>	NA	<b>WG SA3</b>														
793	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development an</b>	Rel4	WG SA3														

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794	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	Rel4	WG SA3														
798	401583	<b>MAP application layer security</b>	Rel4	WG SA3														
801	401594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3														
802	401142	<b>Rel-4 Charging and OAM&amp;P</b>	NA	WG SA5														
803	2089	<b>Rel4 Principles, high level Requirements and Architecture</b>	Rel4	WG SA5														
804	2088	<b>Rel4 Performance Management</b>	Rel4	WG SA5														
805	2081	<b>Fault Management</b>	Rel4	WG SA5														
806	2082	<b>Configuration Management</b>	Rel4	WG SA5														
807	2083	<b>Rel4 Charging Management</b>	Rel4	WG SA5														
808	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4	WG SA5														



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	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			

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					Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	TSG RAN													
7	625	IP transport in the UTRAN	Rel5	WG RAN3													
8	4	<b>Evolutions of the transport in the CN</b>	NA	WG CN4													
9	2455	FS on Usage of SUA	Rel5	WG CN4													
10	2476	<b>High Speed Downlink Packet Access</b>	Rel5	WG RAN2													
15	1216	<b>Improvements of Radio Interface</b>	NA	TSG RAN													
16	1470	Improvement of inter-frequency and inter-system measure	Rel5	WG RAN1													
17	1471	Base station classification	Rel5	WG RAN4													
25	2469	Enhancement on the DSCH hard split mode	Rel5	WG RAN1													
26	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel5	WG RAN1													
27	1506	FS on Radio link performance enhancements	Rel5	WG RAN1													
28	1221	FS on USTS	Rel5	WG RAN1													
29	1997	FS on UE antenna efficiency test method performance requi	Rel5	WG RAN4													
30	2494	FS on the re-introduction of the downlink SIR measuremen	Rel5	WG RAN4													
31	24001	FS on UTRA WideBand Distribution Systems	Rel5	WG RAN4													
32	2493	FS on mitigating the effect of CPICH interference at the UE	Rel5	WG RAN4													
36	21000	FS on Improvement of inter-frequency and inter-system mea	Rel5	WG RAN1													
37	1839	<b>Conformance Test Spec. improvements in Radio Interface</b>		WG T1													
38	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5	WG T1													
39	2211	Testing Hybrid ARQ II/III	Rel5	WG T1													
40	9	<b>RAN improvements</b>	NA	TSG RAN													
41	656	RRM optimization for lur and lub	Rel5	WG RAN3													
45	2488	RL Timing Adjustment	Rel5	WG RAN3													
46	2489	Separation of resource reservation and radio link activatio	Rel5	WG RAN3													
47	2490	Improvement of Radio Resource Management across RNS ;	Rel5	WG RAN3													
48	2491	Re-arrangements of lub transport bearers	Rel5	WG RAN3													
49	23003	SRNS Relocation Procedure Enhancement	Rel5	WG RAN3													
51	22000	RAB support enhancement for Rel-5	Rel5	WG RAN2													

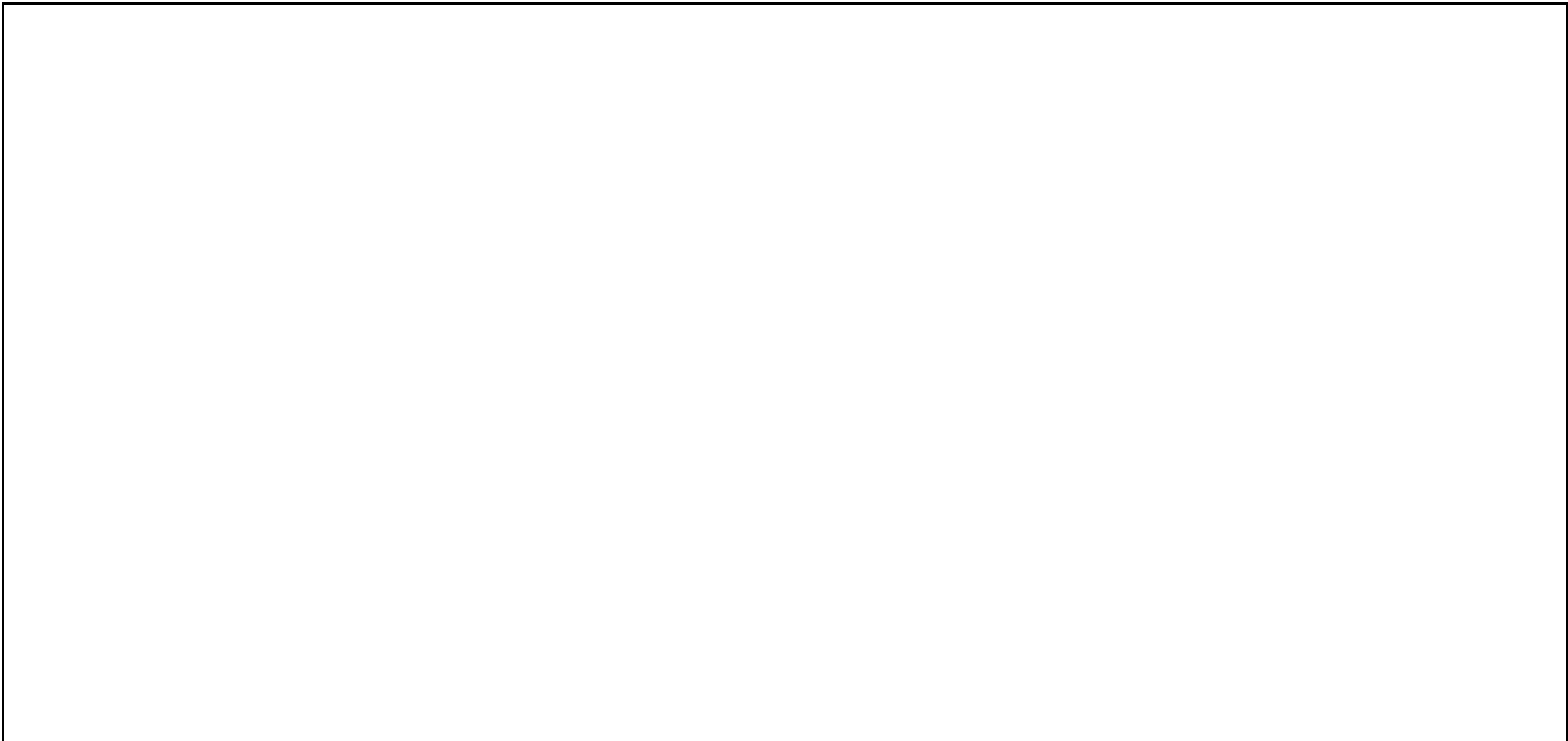
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52	1680	Header compression removal/stripping in the RAN	Rel5	TSG RAN													
53	1686	Unequal error protection in PS domain in the RAN	Rel5	TSG RAN													
54	21001	Beamforming requirements for UE	Rel5	WG RAN1													
55	20999	Beamforming Enhancements	Rel5	WG RAN1													
56	21002	Support of Site Selection Diversity Transmission in UTRAN	Rel5	WG RAN1													
57	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	WG RAN1													
62	1273	Provisioning of IP-based multimedia services	NA	WG SA1													
63	1274	Call control and roaming to support IMS in UMTS	Rel5	WG SA2													
88	1298	Access Security for IMS	Rel5	WG SA3													
92	2574	Security Aspects of Requirement for Network Configuration	Rel5	WG SA3													
93	1299	Lawful interception	TBD	WG SA3													
94	35007	Charging and OAM&P for IMS	Rel5	WG SA5													
95	2047	Interworking between IMS and CS networks	TBD	WG CN3													
98	2036	Multimedia codecs and protocols for conversational PS ser	Rel5	WG SA4													
100	34020	Transport protocols	Rel5	WG SA4													
103	32003	SIP message compression	Rel5	WG SA2													
106	10001	Stage 3 description of IMS interfaces	Rel5	TSG CN													
120	1310	Support of VHE/OSA by entities and protocols of the IMS (e.	Rel5	WG CN5													
121	12000	Support of CAMEL by the IMS	Rel5	WG CN2													
127	31002	Pre-pay/real-time charging in IMS	TBD	WG SA1													
128	35005	Charging	Rel5	WG SA5													
131	10002	Other IETF dependencies	Rel5	TSG CN													
134	1913	Start Testing	Rel5	MLST													
136	34001	Extended Transparent End-to-End PS Streaming Service	Rel5	WG SA4													
149	1517	Global Text Telephony	Rel5	WG SA2													
157	1637	OSA enhancements for Rel-5	NA	WG SA1													
159	1429	OSA APIs for Multimedia Call Control	Rel5	WG SA2													
166	15003	Generic user interaction - Stage 3	Rel5	WG CN5													

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167	15004	Charging - Stage 3	Rel5	WG CN5														
170	15007	Check N5 - Call Control Service Mapping; Multiparty Call C	Rel5	WG CN5														
171	15999	WSDL APIs for SOAP/HTTP - Stage 3	Rel5	WG CN5														
176	1419	OSA security	Rel5	WG SA3														
182	1786	CHECK STATUS - LCS - OSA interfaces	Rel5	WG SA1														
186	1638	CAMEL phase 4	Rel5	WG SA1														
200	2464	Rel-5 MExE enhancements	Rel5	WG T2														
203	1625	Wideband Telephony Service - AMR	Rel5	WG SA4														
239	1826	Terminal interfaces	NA	WG T2														
240	2573	Terminal local model enhancements	Rel5	WG T2														
241	1536	Location Services enhancements	NA	WG SA2														
242	1600	UE positioning	NA	TSG RAN														
244	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	WG RAN2														
247	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5	WG RAN2														
248	1171	Event based and Periodic LCS	Rel5	WG SA1														
252	2436	Location Services for GERAN in A/Gb Mode	Rel5	TSG GERAN														
257	2442	Location Services for GERAN in Iu Mode	Rel5	TSG GERAN														
271	32001	Enhanced support for user privacy and subscriber data han	Rel5	WG SA2														
281	35008	Charging and OAM&P for LCS enhancements	Rel5	WG SA5														
282	521	New security aspects of LCS (not identified)	Rel5	WG SA3														
283	32011	Specification for the Le Interface	Rel5	WG SA2														
284	32012	Support of the Presence Service Architecture	Rel5	WG SA2														
286	1800	(U)SIM toolkit enhancements	NA	WG T3														
288	1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5	WG T3														
292	1802	UICC API	NA	WG T3														
294	2031	C SIM API	Rel5	WG T3														
297	1571	Security enhancements	NA	WG SA3														
298	1583	MAP application layer security	Rel4	WG SA3														



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301	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3													
302	1576	Network domain security	Rel5	WG SA3													
349	1142	Charging and OAM&P	NA	WG SA5													
350	35002	Rel5 Principles, high level Requirements and Architecture	Rel5	WG SA5													
351	35003	Rel5 Performance Management	Rel5	WG SA5													
352	35004	Rel5 Charging Management	Rel5	WG SA5													
353	35001	Network Infrastructure Management	Rel5	WG SA5													
355	2243	Intra Domain Connection of RAN Nodes to Multiple CN N	Rel5	WG SA2													
366	2320	GERAN improvements 3 (new transport layer on interface	Rel5	TSG GERAN													
370	2330	GERAN support for IMS	TBD	TSG GERAN													
386	2345	Alignment of 3G functional split and lu	TBD	TSG GERAN													
459	2392	GERAN enhancements for streaming services 1 (RLC en	Rel5	TSG GERAN													
462	2396	GERAN enhancements for streaming services 2 (usage c	Rel5	TSG GERAN													
468	2412	GERAN/UTRAN interface evolution 1 (evolution of lu PS)	Rel5	N;WG RAN3													
472	2416	GERAN/UTRAN interface evolution 2 (evolution of lu CS)	Rel5	N;WG RAN3													
484	2520	User Equipment Management	Rel5	WG SA5													
485	35000	FS on User Equipment (UE) Management	Rel5	WG SA5													
489	2556	End to End QoS for PS Domain including IMS	Rel5	WG SA2													
493	2569	Messaging enhancements Rel-5	Rel5	WG T2													
494	2571	Multimedia Messaging (MMS) enhancements		WG T2													
495	31000	Definition of service requirements	Rel5	WG SA1													
502	50001	GERAN Inter BSC NACC improvements over the Gb Inte	Rel5	TSG GERAN													
509	50033	Enhanced Power Control	Rel5	TSG GERAN													
513	50037	8PSK AMR HR	Rel5	TSG GERAN													
525	50056	Enhanced A/Gb feasibility study	TBD	TSG GERAN													
527	50058	Multiple TBF in A/Gb mode	Rel5	TSG GERAN													
532	50063	Flexible Layer One for GERAN	TBD	TSG GERAN													
551	13000	Service Change and UDI Fallback	Rel5	WG CN3													

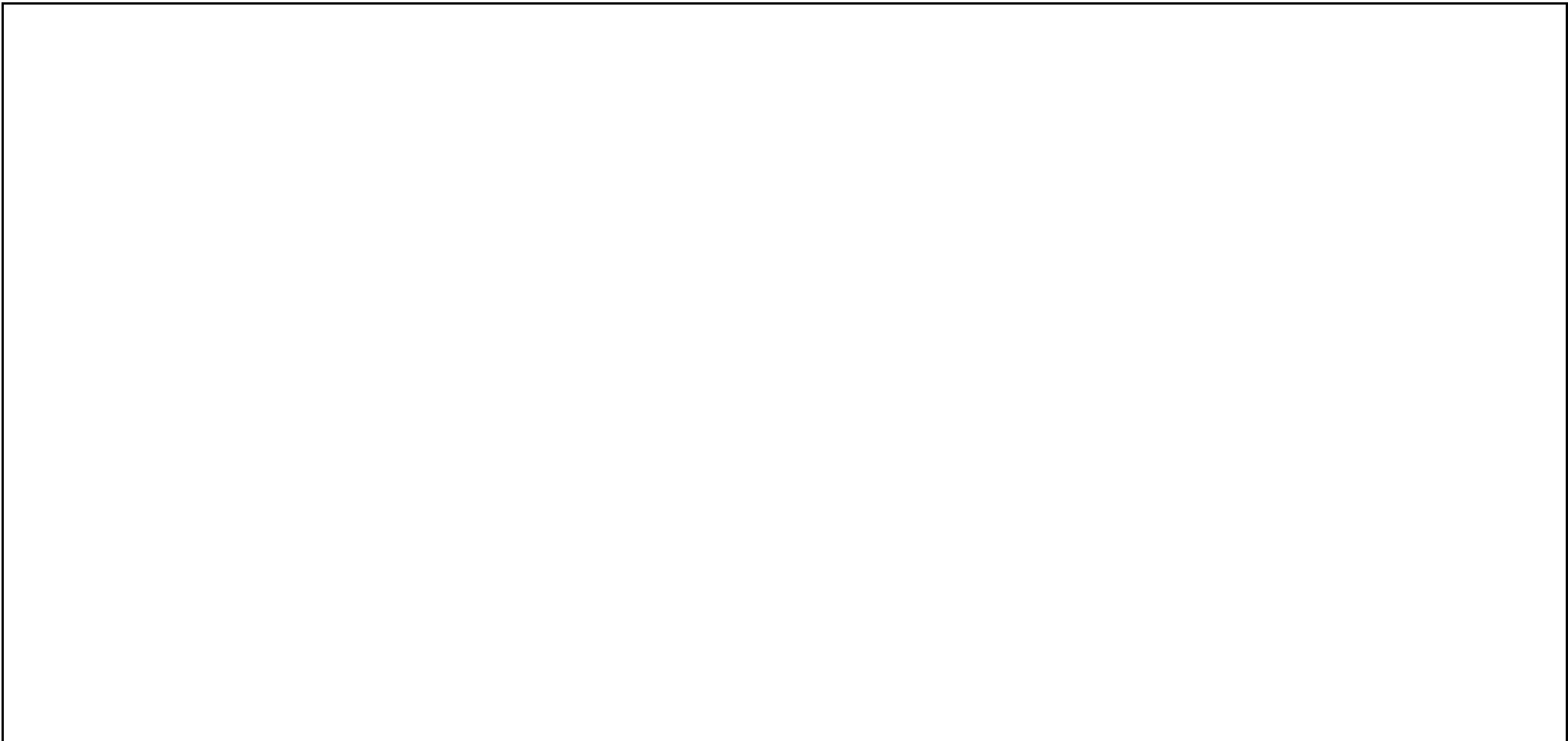
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552	30001	small Technical Enhancements and Improvements for Re	Rel5	Generic														
582	31013	UE Functionality Split	Rel6	WG SA1														
583	31021	Technical Report	Rel5	WG SA1														
759	401637	Rel-4 OSA enhancements	NA	WG SA1														
761	401424	CHECK STATUS - Interactions OSA - e-commerce	Rel5	WG SA2														
764	401786	CHECK STATUS - LCS - OSA interfaces	Rel5	WG SA1														
792	401571	Rel-4 Security enhancements	NA	WG SA3														
798	401583	MAP application layer security	Rel4	WG SA3														
801	401594	CHECK STATUS - Visibility and Configurability of security	Rel5	WG SA3														



Project: 3GPP_Work Plan Date: Tue 04/06/02	Critical		Baseline Milestone		Rolled Up Split	
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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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15	1216	<b>Improvements of Radio Interface</b>	NA	TSG RAN																		
24	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel6	WG RAN1																		
33	24003	<b>FS for the viable deployment of UTRA in additional and div</b>	Rel6	WG RAN4																		
34	24004	<b>Improving Receiver Performance Requirements for the FDD</b>	Rel6	WG RAN4																		
35	24005	<b>FS on UE antenna efficiency test methods performance req</b>	Rel6	WG RAN4																		
40	9	<b>RAN improvements</b>	NA	TSG RAN																		
58	23005	<b>Improvement of RRM across RNS and RNS/BSS</b>	Rel6	WG RAN3																		
140	1652	<b>Emergency call enhancements</b>	Rel6	WG CN1																		
141	1653	<b>For IP &amp; PS based calls</b>	Rel6	WG CN1																		
157	1637	<b>OSA enhancements for Rel-5</b>	NA	WG SA1																		
162	1433	<b>Retrieval of Terminal capabilities</b>	Rel6	WG SA2																		
168	15005	<b>Policy Management - Stage 3</b>	Rel6	WG CN5																		
169	15006	<b>Presence and Availability Management (PAM) - Stage 3</b>	Rel6	WG CN5																		
172	2538	<b>Interaction with other features</b>	NA	WG SA1																		
173	2539	Access to Presence information	Rel6	WG SA1																		
174	2540	Access to User Profile	Rel6	WG SA1																		
175	2541	Policy Management	Rel6	WG SA1																		
241	1536	<b>Location Services enhancements</b>	NA	WG SA2																		
242	1600	<b>UE positioning</b>	NA	TSG RAN																		
245	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 pr	Rel6	WG RAN2																		
297	1571	<b>Security enhancements</b>	NA	WG SA3																		
310	2026	<b>Enhanced HE control of security (including positive authent</b>	Rel6	WG SA3																		
313	33003	<b>Rel-6 MAP application layer security</b>	Rel6	WG SA3																		
324	32021	<b>IMS Phase 2</b>	Rel6	WG SA1																		
325	32015	<b>Radio optimisation impacts on PS domain architecture</b>	Rel6	WG SA2																		
326	2048	<b>Interworking between IMS and IP networks</b>	Rel6	WG CN3																		
329	32005	<b>IMS Local services</b>	Rel6	WG SA2																		
331	13011	<b>Mm interface (CSCF to external IP multimedia network)</b>	Rel6	WG CN3																		

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334	13013	Mg interface (BGCF to MGCF - interworking with CS)	Rel6	WG CN3																	
337	14001	Mc interface (IM-MGW to MGCF) enhancements	Rel6	WG CN4																	
338	31022	IMS Messaging (part of IMS2?)	Rel6	WG SA1																	
341	31025	IMS Group Management (part of IMS2?)	Rel6	WG SA1																	
343	1365	Support of Push Services	Rel6	WG SA1																	
346	42005	Rel-6 MExE enhancements	Rel6	WG T2																	
354	2062	Subscription Management	Rel6	WG SA5																	
476	2499	Support of Presence Capability	Rel6	WG SA1																	
483	31028	Presence Service Enhancements	Rel6	WG SA1																	
486	2527	Emergency calls without UICC/SIM in netw. with IMS	Rel6	WG SA2																	
550	50041	Uplink TDOA feasibility study	Rel6	TSG GERAN																	
553	35009	Trace Management	Rel6	WG SA5																	
554	2544	Multimedia Broadcast and Multicast Service	Rel6	WG SA1																	
558	31006	Speech Recognition and Speech Enabled Services	Rel6	WG SA1																	
562	31008	Generic User Profile	Rel6	WG SA1																	
568	31010	Digital Rights Management	Rel6	WG SA1																	
574	31012	FS on WLAN-UMTS Interworking	Rel6	WG SA1																	
577	31015	Priority Service	Rel6	WG SA1																	
580	31018	Network Sharing	Rel6	WG SA1																	
582	31013	UE Functionality Split	Rel6	WG SA1																	
585	32016	QoS Improvements	NA	WG SA2																	
586	32017	Dynamic Policy control enhancements for end-to-end QoS	Rel6	WG SA2																	
587	33002	Support for subscriber certificates	Rel6	WG SA3																	
588	15010	Rel-6 OSA enhancements	Rel6	WG SA1																	
596	23004	Shared Network support in connected Mode	Rel6	WG RAN3																	



Project: 3GPP_Work Plan Date: Tue 04/06/02	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			