

# 3GPP Work Plan – Cover page

Version 2002, March 5<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 January 25<sup>th</sup> and version March 5<sup>th</sup> 2002*

Inputs have been received from all the WGs of all TSGs (except T3) and from GERAN!

The Work Plan has been restructured so that all the completed features/building blocks now appear at the end of the Plan.

The following lines have been deleted:

- By N1:

IETF: draft-ietf-sip-100rel (Reliability of Provisional Response in SIP) (UID 2523)

- By GERAN:

2439 RLC/MAC protocol support for LCS

- By CN/CN1:

11021 SDP protocols extension to include DSR (resp. CN1)

This was duplicated with 10003 SDP protocols extension to include DSR (resp. CN)

So the second one was deleted.

- By CN4:

1280 SIP SS and relationship to Mg, Mw and Cx                      WG CN4

This was duplicated with 14000 SIP SS and relationship to Mg, Mw, Cx                      WG CN4

so the first one has been deleted.

- By SA3:

1595 FIGS Rel5                      WG SA3

2099 New: UE triggered authentication during connections Rel4

- By T#14:

2517 UICC/USIM Transport Protocol                      Rel5                      WG T3

1566 Enhancements to (U)SIM toolkit secure messaging Rel5 WG T3

***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	Qtr 4, 2001				Qtr 1, 2002			Qtr 2, 2002			Qtr 3, 2002			Qtr 4, 2002		
				Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2044	<b>VERSION 2002 March 5th</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 [in progress]</b>	NA																
7	625	<b>IP transport in the UTRAN</b>	Rel5																
8	2257	<b>Evolution of transport in UTRAN and GERAN</b>	Rel5																
9	2258	Addition of transport mechanisms other than ATM for Iu - Identification of																	
10	2259	Addition of transport mechanisms other than ATM for Iu - Specification of																	
11	4	<b>Evolutions of the transport in the CN [in progress]</b>	NA																
12	2455	<b>FS on Usage of SUA</b>	Rel5																
13	2476	<b>High Speed Downlink Packet Access</b>	Rel5																
14	2477	<b>Physical Layer</b>																	
15	2478	<b>Layer 2 and 3 aspects</b>																	
16	2479	<b>Iub/Iur protocol aspects</b>																	
17	2480	<b>RF Radio Transmission/ Reception, System Performance Requirements</b>																	
18	1216	<b>Improvements of Radio Interface [in progress]</b>	NA																
19	1470	<b>Improvement of inter-frequency and inter-system measurements</b>	Rel5																
20	1471	<b>Base station classification</b>	Rel5																
21	1476	FDD Base station classification																	
22	1477	TDD Base station classification																	
23	24002	Base Station Classification for 1.28 Mcps TDD option																	
24	1217	<b>Hybrid ARQ II/III</b>																	
25	1218	<b>Improved usage of downlink resource in FDD for CCTrCHs</b>																	
26	1507	<b>Terminal Power Saving features</b>																	
27	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel6																
28	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5																

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				Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
29	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5																
30	1506	<b>FS on Radio link performance enhancements</b>	Rel5																
31	1221	<b>FS on USTS</b>	Rel5																
32	1997	<b>FS on UE antenna efficiency test method performance requi</b>	Rel5																
33	2494	<b>FS on the re-introduction of the downlink SIR measurement</b>	Rel5																
34	24001	<b>FS on UTRA WideBand Distribution Systems</b>	Rel5																
35	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>	Rel5																
36	24003	<b>FS for the viable deployment of UTRA in additional and div</b>	Rel6																
37	21000	<b>FS on Improvement of inter-frequency and inter-system mea</b>	Rel5																
38	1839	<b>Conformance Test Spec. improvements in Radio Interface</b>																	
39	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5																
40	2211	Testing Hybrid ARQ II/III	Rel5																
41	9	<b>RAN improvements [in progress]</b>	NA																
42	656	<b>RRM optimization for Iur and Iub</b>	Rel5																
43	23000	Iur common transport channel efficiency optimisation																	
44	23001	Iur neighbouring cell reporting efficiency optimisation																	
45	23002	Introduction of direct transport bearers between SRNC and Node-B																	
46	2488	<b>RL Timing Adjustment</b>	Rel5																
47	2489	<b>Separation of resource reservation and radio link activation</b>	Rel5																
48	2490	<b>Improvement of Radio Resource Management across RNS</b>	Rel5																
49	2491	<b>Re-arrangements of Iub transport bearers</b>	Rel5																
50	23003	<b>SRNS Relocation Procedure Enhancement</b>	Rel5																
51	624	<b>RAB support enhancement</b>																	
52	1680	<b>Header compression removal/stripping in the RAN</b>	Rel5																
53	1686	<b>Unequal error protection in PS domain in the RAN</b>	Rel5																
54	21001	<b>Beamforming requirements for UE</b>	Rel5																
55	20999	<b>Beamforming Enhancements</b>	Rel5																
56	21002	<b>Support of Site Selection Diversity Transmission in UTRAN</b>	Rel5																

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57	2472	<b>Node B Synchronisation for 1.28 Mcps TDD</b>	Rel5																
58	1912	<b>Start Testing</b>																	
59	2102	<b>Conformance Test Aspects - RAN Improvements</b>																	
60	2222	Testing Radio access bearer support enhancements																	
61	2461	Testing RAB support enhancements-Robust Header Compression	Rel4																
62	1273	<b>Provisioning of IP-based multimedia services</b>	NA																
63	1274	<b>Call control and roaming to support IMS in UMTS</b>	Rel5																
64	1633	Stage 1																	
65	1514	Stage 2 (Architecture and Main flows)																	
66	2233	SIP Call Control protocol for the IMS																	
67	1998	IMS signalling flows																	
68	1278	IMS stage 3																	
69	2255	IMS Session Handling; stage 2																	
70	10004	<b>Main IETF dependencies</b>																	
71	2521	IETF: draft-ietf-sip-rfc2543bis (Session Initiation Protocol)																	
72	2522	IETF: draft-sip-manyfolks-resource (Without COMET)(Integration																	
73	2524	IETF: draft-ietf-sip-privacy (SIP extensions for caller identity an																	
74	2525	IETF: draft-ietf-sip-call-auth (SIP extensions for media authoriza																	
75	11000	IETF: draft-ietf-sip-events (specific event notification)																	
76	11001	IETF: draft-ietf-sip-refer (refer method)																	
77	11002	IETF: draft-ietf-dhc-dhcpv6 (DHCP options for SIP servers)																	
78	11003	IETF: draft-ietf-sip-replaces (SIP replaces header)																	
79	11004	IETF: draft-ietf-avt-rtp-amr (AMR and AMR WB RTP and SDP)																	
80	11005	IETF: draft-ietf-mmusic-sdp-new (IPv6 support within SDP)																	
81	1290	Addressing																	
82	1291	Architectural issues																	
83	1292	Impact on HSS																	
84	2530	Service Examples																	



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85	2531	IMS Framework Report																	
86	1298	<b>Access Security for IMS</b>	Rel5																
87	33000	SA3 task																	
88	43000	IMS impacts on UICC																	
89	11014	SIP extensions for Integrity protection																	
90	2574	<b>Security Aspects of Requirement for Network Configuration</b>	Rel5																
91	1299	<b>Lawful interception</b>	TBD																
92	0	<b>(copy) GERAN support of IMS</b>																	
93	35007	<b>Charging and OAM&amp;P for IMS</b>	Rel5																
94	0	<b>(copy) End-to-end QoS</b>																	
95	2048	<b>Interworking between IMS and IP networks</b>	TBD																
96	13004	Interworking for 3GPP_SIP and IETF_SIP																	
97	13005	Interworking for IPv6 to IPv4																	
98	13006	IETF draft-wasserman-3gpp-advice																	
99	1296	Impact on MM/CC/SM																	
100	2047	<b>Interworking between IMS and CS networks</b>	TBD																
101	13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)																	
102	13003	ITU-T dependency on Q.2150.3 (SCTP)																	
103	14000	<b>SIP SS and relationship to Mg, Mw, Cx</b>	TBD																
104	2036	<b>Multimedia codecs and protocols for conversational PS ser</b>	TBD																
105	2039	Codecs																	
106	2040	performance characterisation of codec																	
107	34006	recommendation for QoS parameter values for various media types																	
108	32003	<b>SIP message compression</b>	TBD																
109	32004	Stage 2																	
110	11015	Compression signalling																	
111	32005	<b>IMS Local services</b>	TBD																
112	10001	<b>Stage 3 description of IMS interfaces</b>	Rel5																

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113	1286	Cx interface (HSS to CSCF)		[Progress bar]				[Progress bar]			[Progress bar]								
114	14001	MC interface (IM-MGW to MGCF) enhancements		[Progress bar]				[Progress bar]			[Progress bar]								
115	11016	Mw interface (CSCF to P-CSCF)		[Progress bar]				[Progress bar]			[Progress bar]								
116	11017	Mm interface (CSCF to external IP multimedia network)		[Progress bar]				[Progress bar]			[Progress bar]								
117	14002	Mg interface (BGCF to MGCF - interworking with CS)		[Progress bar]				[Progress bar]			[Progress bar]								
118	11018	Mr interface (CSCF to MRF)		[Progress bar]				[Progress bar]			[Progress bar]								
119	14003	Dx interface (I-CSCF to SLF)		[Progress bar]				[Progress bar]			[Progress bar]								
120	13001	Go interface (GGSN to PCF)		[Progress bar]				[Progress bar]			[Progress bar]								
121	11019	ISC (IMS Service Control) Interface		[Progress bar]				[Progress bar]			[Progress bar]								
122	14006	Sh interface (HSS to AS)		[Progress bar]				[Progress bar]			[Progress bar]								
123	11020	Gm interface (UE to CSCF)		[Progress bar]				[Progress bar]			[Progress bar]								
124	1310	<b>Support of VHE/OSA by entities and protocols of the IMS (e.</b>	Rel5	[Progress bar]				[Progress bar]			[Progress bar]								
125	<b>12000</b>	<b>Support of CAMEL by the IMS</b>	Rel5	[Progress bar]				[Progress bar]			[Progress bar]			[Progress bar]					
126	12001	Stage2 work 'general'		[Progress bar]				[Progress bar]			[Progress bar]								
127	12002	Stage3 work 'CAP'		[Progress bar]				[Progress bar]			[Progress bar]								
128	12003	Stage2 work 'Si interface'		[Progress bar]				[Progress bar]			[Progress bar]								
129	12004	Stage3 work 'Si interface'		[Progress bar]				[Progress bar]			[Progress bar]								
130	14004	SDM issues for CAMEL control of IMS		[Progress bar]				[Progress bar]			[Progress bar]								
131	31002	<b>Pre-pay/real-time charging in IMS</b>	TBD	[Progress bar]				[Progress bar]			[Progress bar]								
132	<b>35005</b>	<b>Charging</b>	Rel5	[Progress bar]				[Progress bar]			[Progress bar]			[Progress bar]					
133	32006	Charging Implications of IMS architecture		[Progress bar]				[Progress bar]			[Progress bar]								
134	35006	Charging management for IMS (off-line & on-line)		[Progress bar]				[Progress bar]			[Progress bar]								
135	<b>10002</b>	<b>Other IETF dependencies</b>	TBD	[Progress bar]				[Progress bar]			[Progress bar]								
136	11007	IETF: draft-ietf-sip-session-timer		[Progress bar]				[Progress bar]			[Progress bar]								
137	11008	IETF: draft-agrawal-sip-h323-interwrkng-reqs		[Progress bar]				[Progress bar]			[Progress bar]								
138	11009	IETF: draft-ietf-sip-callerprefs		[Progress bar]				[Progress bar]			[Progress bar]								
139	11010	IETF: draft-ietf-sip-state		[Progress bar]				[Progress bar]			[Progress bar]								
140	11011	IETF: draft-ietf-aaa-diameter		[Progress bar]				[Progress bar]			[Progress bar]								

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141	11012	IETF: draft-ietf-sip-isup		[Bar]				[Bar]											
142	11013	IETF: draft-ietf-sip-isup-header		[Bar]				[Bar]											
143	32015	<b>Radio optimisation impacts on PS domain architecture</b>	Rel6					[Bar]											
144	1913	<b>Start Testing</b>	Rel5								[Bar]								
145	1844	<b>Conformance Test Aspects - Provisioning of IMS</b>									[Bar]			[Bar]					
146	34001	<b>Extended Transparent End-to-End PS Streaming Service</b>	Rel5	[Bar]				[Bar]											
147	34002	<b>Stage 1</b>		[Bar]															
148	34003	<b>Stage 2 (version Rel5 of TS 26.234)</b>		[Bar]				[Bar]											
149	1652	<b>Emergency call enhancements [in progress]</b>	NA	[Bar]				[Bar]			[Bar]			[Bar]					
150	1653	<b>For IP &amp; PS based calls</b>	Rel6	[Bar]				[Bar]			[Bar]			[Bar]					
151	1314	Service Requirements for IP-based emergency calls		[Bar]				[Bar]											
152	1315	SIP emergency calls and packet emergency calls signalling flows		[Bar]				[Bar]											
153	1316	Stage 2 for emergency calls and packet emergency calls in general		[Bar]				[Bar]			[Bar]			[Bar]					
154	1317	Distinction of emergency call types to different emergency services		[Bar]				[Bar]											
155	1646	Stage 3 for emergency calls and packet emergency calls in general		[Bar]				[Bar]											
156	2224	Conformance Test Aspects - Emergency call enhancements		[Bar]				[Bar]											
157	2225	Testing Stage 3 for emergency calls and packet emergency calls in gene		[Bar]				[Bar]			[Bar]			[Bar]					
158	1517	<b>Global Text Telephony</b>	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
159	1634	<b>Stage 1</b>		[Bar]				[Bar]			[Bar]			[Bar]					
160	1519	<b>Stage 2</b>		[Bar]				[Bar]			[Bar]			[Bar]					
161	2234	<b>Specification of Cellular Text telephone Modem</b>		[Bar]				[Bar]			[Bar]			[Bar]					
162	2238	General description and C-code		[Bar]				[Bar]			[Bar]			[Bar]					
163	2237	Minimum Performance requirements		[Bar]				[Bar]			[Bar]			[Bar]					
164	1915	<b>Start Testing</b>		[Bar]				[Bar]			[Bar]			[Bar]					
165	1852	<b>Conformance Test Aspects - Global Text telephony</b>		[Bar]				[Bar]			[Bar]			[Bar]					
166	1637	<b>OSA enhancements [in progress]</b>	NA	[Bar]				[Bar]			[Bar]			[Bar]					
167	1424	<b>CHECK STATUS - Interactions OSA - e-commerce</b>	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
168	1425	Stage 1		[Bar]				[Bar]			[Bar]			[Bar]					

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169	1529	Stages 2 and 3																	
170	1429	<b>OSA APIs for Multimedia CC</b>	Rel5																
171	1430	Stage 1																	
172	1530	Stages 2 and 3																	
173	1419	<b>OSA security</b>	Rel5																
174	2121	Stage 1																	
175	1421	Stage 3																	
176	1422	security related SCF(s) definition																	
177	1423	(possibly) changes required from supporting platforms, e.g. gsmSCF, HLF																	
178	1621	impact on terminal																	
179	1433	<b>Retrieval of Terminal capabilities</b>	Rel5																
180	1434	Stage 1																	
181	1436	Stages 2 and 3																	
182	2122	Provisioning of the terminal capabilities																	
183	1786	<b>CHECK STATUS - LCS - OSA interfaces</b>	Rel5																
184	1787	Stage 1																	
185	2124	Stage 2																	
186	1788	Stage 3																	
187	2538	<b>Interaction with Rel-5 features</b>	Rel5																
188	2539	Access to Presence information																	
189	2540	Access to User Profile																	
190	2541	Policy Management																	
191	2519	<b>OSA Stage 3</b>	Rel5																
192	15000	OSA evolution - Stages 2 and 3	Rel5																
193	15001	Framework	Rel5																
194	15002	(Multimedia) Call Control	Rel5																
195	15003	Generic user interaction	Rel5																
196	15004	Charging	Rel5																

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197	15005	Policy Management	Rel5																
198	15006	Presence and Availability Management (PAM)	Rel5																
199	15007	Call Control Service Mapping; Multiparty Call Control SIP	Rel5																
200	15008	Journaling	Rel5																
201	15009	Retrieval of Network Capabilities	Rel5																
202	32010	<b>General Stage 2 for Rel5</b>																	
203	<b>1638</b>	<b>CAMEL phase 4</b>	Rel5																
204	1461	<b>Service requirements</b>																	
205	2011	<b>Charging notification to the CSE</b>																	
206	2012	<b>Call Party Handling</b>																	
207	2013	<b>Mid call procedure for MO and MT calls</b>																	
208	2014	<b>Interactions with Optimal Routing</b>																	
209	2015	<b>Inclusion of flexible tone injection</b>																	
210	2016	<b>CSE control over MT SMS</b>																	
211	2460	<b>Notification of GPRS mobility management to CSE</b>																	
212	2459	<b>Enhancement of dialled services</b>																	
213	2458	<b>Provision of location information of called subscriber</b>																	
214	2514	<b>Inclusion of ODB data in the CSE_HLR interface</b>																	
215	2515	<b>Location information during an ongoing call (Handover DP)</b>																	
216	2516	<b>GPRS Any Time Interrogation</b>																	
217	<b>2464</b>	<b>Rel-5 MExE enhancements</b>	Rel5																
218	2465	<b>MExE Rel-5 Security Analysis</b>																	
219	2466	<b>MExE Rel-5 Improvements and Investigations</b>																	
220	<b>1625</b>	<b>Wideband Telephony Service - AMR</b>	Rel5																
221	<b>62</b>	<b>Specification</b>																	
222	31005	Stage 1																	
223	<b>32007</b>	Stage 2																	
224	1459	Design Constraints																	

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225	1460	General Description																	
226	1626	Feasibility Study																	
227	<b>67</b>	Codec issues																	
228	1627	Codec qualification																	
229	74	Codec selection tests																	
230	891	Codec selection																	
231	34007	TFO AMR-WB																	
232	890	Other codec issues (verif., characterisation)																	
233	34008	AMR-WB and narrowband interworking																	
234	34009	Interworking with fixed broadband networks																	
235	34010	Tones and announcements																	
236	34011	WB Conferencing and WB Voice Group calls																	
237	34012	Billing, accounting and call detail record aspects																	
238	34013	Legal interception																	
239	14999	Introduction of AMR-WB speech service																	
240	1989	Start Testing																	
241	1855	Conformance tests (CRs to 34 series)																	
242	<b>76</b>	Terminal Acoustic Characteristics																	
243	1628	Definition																	
244	1629	Test specification																	
245	34004	<b>Floating-point ANSI-C code for the AMR-WB speech codec</b>																	
246	<b>889</b>	<b>Implementation</b>																	
247	<b>893</b>	In UTRAN																	
248	34014	Codec selection and GSM-UTRAN interworking																	
249	34015	Radio Access Bearer optimisation																	
250	34016	Radio Access Bearer renegotiation (impact at least on 23.018)																	
251	<b>80</b>	Support of AMR-WB in GERAN																	
252	2265	GMSK and 8PSK WB FR / HR support - Channel coding in 45.003																	

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253	2266	GMSK and 8PSK WB FR / HR support - Signalling for the A interface																	
254	2267	GMSK and 8PSK WB FR / HR support - Signalling for lu																	
255	2268	Receiver performance in TS 45.005																	
256	50000	Adaptation of subscriber data in HLR/VLR																	
257	<b>2269</b>	GERAN MS conformance test for AMR-WB																	
258	2270	MS test																	
259	<b>2271</b>	GERAN BTS conformance test for AMR-WB																	
260	2272	BTS test																	
261	1656	N1 Aspects																	
262	14005	N4 work																	
263	<b>1826</b>	<b>Terminal interfaces [in progress]</b>	<b>NA</b>																
264	2573	<b>Terminal local model enhancements</b>	Rel5																
265	<b>1536</b>	<b>Location Services enhancements [in progress]</b>	<b>NA</b>																
266	<b>1600</b>	<b>UE positioning [in progress]</b>	<b>NA</b>																
267	2457	UE positioning enhancements - other methods																	
268	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5																
269	<b>2475</b>	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 p	<b>Rel5</b>																
270	2127	Stage 2																	
271	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5																
272	<b>1171</b>	<b>Event based and Periodic LCS</b>	<b>Rel5</b>																
273	1641	Stage 1																	
274	1538	Stage 2 specification																	
275	1179	Impact on MAP																	
276	<b>2436</b>	<b>Location Services for GERAN in A/Gb Mode</b>	<b>Rel5</b>																
277	2437	GERAN LCS Stage 2 (first release)																	
278	2438	Gb interface support for LCS																	
279	2440	L3 protocol support for LCS																	
280	2441	Stage 3 specifications																	

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281	2442	<b>Location Services for GERAN in lu Mode</b>	Rel5																
282	2443	GERAN LCS Stage 2																	
283	2444	lu-ps interface support for LCS																	
284	2445	lu-cs interface support for LCS																	
285	2446	lur-g interface support for LCS																	
286	2447	RRC protocol support for LCS																	
287	2448	Additional impacts on Broadcast of LCS data on packet channels																	
288	2449	Stage 3 specifications																	
289	32001	<b>Enhanced support for user privacy and subscriber data han</b>	Rel5																
290	544	<b>LCS interoperation stage 2 aspects</b>																	
291	2434	<b>LCS interoperability aspects to GERAN</b>																	
292	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and C																	
293	2450	<b>GERAN MS Conformance test for LCS</b>																	
294	2451	MS test																	
295	2452	<b>GERAN BTS Conformance test for LCS</b>																	
296	2453	BTS test																	
297	52003	<b>Uplink TDOA feasibility study</b>																	
298	1183	<b>FS on LCS support in the IMS</b>																	
299	35008	<b>Charging and OAM&amp;P for LCS enhancements</b>	Rel5																
300	521	<b>New security aspects of LCS (not identified)</b>	Rel5																
301	32011	<b>Specification for the Le Interface</b>	Rel5																
302	32012	<b>Support of the Presence Service Architecture</b>	Rel5																
303	1800	<b>(U)SIM toolkit enhancements [in progress]</b>	NA																
304	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5																
305	2497	Stage 1																	
306	2496	Stage 2 and 3																	
307	2518	Test specification																	
308	1802	<b>UICC API</b>	NA																



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309	2031	C SIM API	Rel5	◆															
310	2032	Specification																	
311	2033	Test specification																	
312	1571	<b>Security enhancements [in progress]</b>	NA																
313	1583	<b>MAP application layer security</b>	Rel4																
314	1584	Main aspects																	
315	2025	Other stage 3 aspects																	
316	1594	CHECK STATUS - Visibility and Configurability of security	Rel5																
317	1576	<b>Network domain security</b>	Rel5																
318	1577	Control plane protection in core network (e.g., GTP, CAP, MAP/IP, provide																	
319	1578	Main aspects																	
320	1579	Integration of GTP signalling security architecture																	
321	1580	User plane protection in core network (e.g., provided by IPsec)																	
322	1581	Main aspects																	
323	1582	Integration of GTP signalling security architecture																	
324	2576	IP network layer security (NDS/IP)																	
325	2026	<b>Enhanced HE control of security (including positive authent</b>	Rel6																
326	2027	Stage 2																	
327	2028	FS on Network impacts																	
328	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA																
329	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	el Indep																
330	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	el Indep																
331	1907	<b>Extensions to R99 Test cases</b>																	
332	2564	<b>Extension to R99 Test cases - TTCN</b>																	
333	2565	<b>Creation of R99 TCs for TDD - prose</b>																	
334	2566	<b>Creation of R99 TCs for TDD - TTCN</b>																	
335	1908	<b>Review all other work items for impact on new or exiting 34</b>																	
336	1365	<b>Support of Push Services</b>	Rel6																

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337	31004	<b>Stage 1</b>																			
338	32000	<b>TR on feasibility study</b>																			
339	1142	<b>Charging and OAM&amp;P [in progress]</b>	NA																		
340	35002	<b>Rel5 Principles, high level Requirements and Architecture</b>	Rel5																		
341	35003	<b>Rel5 Performance Management</b>	Rel5																		
342	35004	<b>Rel5 Charging Management</b>	Rel5																		
343	35001	<b>Network Infrastructure Management</b>	Rel5																		
344	2062	<b>Subscription Management</b>	Rel5																		
345	2243	<b>Intra Domain Connection of RAN Nodes to Multiple CN N</b>	Rel5																		
346	2244	<b>Overall System Architecture</b>																			
347	20000	<b>Stage 3: RAN node selecting CN node</b>																			
348	2246	<b>GERAN work</b>																			
349	52001	Stage 2																			
350	52002	Stage 3																			
351	2248	<b>N1 work</b>																			
352	2249	<b>N4 work</b>																			
353	2320	<b>GERAN improvements 3 (new transport layer on interface</b>	Rel5																		
354	2321	<b>Evolution of the transport for A</b>																			
355	2322	Definition of a new A/Ater interface Transport Layer option based on the																			
356	2323	Adaptation of the Layer 3 BSSMAP procedures as required																			
357	2330	<b>GERAN support for IMS</b>	TBD																		
358	2331	<b>GERAN Header adaptation</b>																			
359	2332	Definition of compression and removal modes for PDCP protocol																			
360	2333	Conceptual description in stage 2																			
361	2334	Necessary changes on stage 3 regarding header removal																			
362	2335	<b>GERAN Radio access bearer design for IMS</b>																			
363	2422	MuM control signalling for conversational multimedia services																			
364	2431	Identification of requirements																			

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365	2337	Necessary modifications due to SIP																	
366	<b>2338</b>	<b>Physical layer multiplexing</b>																	
367	2339	Stage 2																	
368	2432	Stage 3																	
369	<b>2341</b>	<b>GERAN MS Conformance test for support of IMS</b>																	
370	2342	MS test																	
371	<b>2343</b>	<b>GERAN BTS Conformance test for support of IMS</b>																	
372	2344	BTS test																	
373	<b>2345</b>	<b>Alignment of 3G functional split and lu</b>	TBD																
374	<b>2346</b>	<b>GERAN user / control plane</b>																	
375	<b>2347</b>	Alignment with UMTS bearer concept																	
376	50300	Enhanced power control																	
377	2423	Stage 2																	
378	2348	Adoption of the UTRAN PDCP																	
379	2349	Development of RLC / MAC																	
380	2350	Development of GERAN RRC																	
381	2351	Ciphering and integrity protection Concept paper																	
382	50302	Multiple TBF or equivalent Concept paper																	
383	50303	Paging concept																	
384	2352	Dedicated physical subchannels. Includes traffic and control channe																	
385	2353	lu support and broadcast concept																	
386	2354	Impact of using RLC instead of LAPDm concept																	
387	2355	Contention resolution, mobile station identity, and access concept																	
388	50304	PDCP concept																	
389	50305	Downlink delayedTBF release																	
390	50306	Add transparent RLC Concept																	
391	50307	Handover concept																	
392	<b>2424</b>	Physical layer alignment with UMTS bearer concept																	

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393	2356	PDTCH/TCH in 45.003																	
394	2357	Control channels in 45.003																	
395	2358	Receiver performance in 45.005 for PDTCH/TCH and control channels																	
396	<b>2359</b>	<b>lu rg interface</b>																	
397	<b>2425</b>	Inter BSS interface																	
398	2360	Identification of requirements																	
399	2361	Stage 2																	
400	2362	Adoption of relevant parts from lur																	
401	2363	Complementation with GERAN specifics																	
402	2364	New stage 3																	
403	<b>2426</b>	Inter BSS-RNS interface																	
404	2365	Identification of requirements																	
405	2366	Stage 2																	
406	2367	Adoption of relevant parts from lur																	
407	2368	Complementation with GERAN specifics																	
408	2369	New stage 3																	
409	<b>2370</b>	<b>Voice over GERAN PS and CS concept</b>																	
410	2371	Architecture for A, lu cs and lu ps																	
411	2372	Transcoder position/operation																	
412	2373	Handover																	
413	2374	RTP payload																	
414	2375	Codec renegotiation concept																	
415	2376	LA																	
416	<b>2377</b>	<b>GERAN Narrowband speech realization</b>																	
417	<b>2427</b>	8-PSK NB HR																	
418	2378	Channel coding in 45.003																	
419	2379	Signalling for A interface																	
420	2380	Signalling for lu																	

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421	2381	Link adaptation in 45.009																	
422	2382	Receiver performance in 45.005																	
423	<b>2428</b>	8-PSK NB QR																	
424	2383	Channel coding in 45.003																	
425	2384	Signalling for A interface																	
426	2385	Signalling for lu																	
427	2386	Link adaptation in 45.009																	
428	2387	Receiver performance in 45.005																	
429	<b>2388</b>	<b>GERAN MS Conformance test for GERAN interface evolution</b>																	
430	2389	MS test																	
431	<b>2390</b>	<b>GERAN MS Conformance test for GERAN interface evolution</b>																	
432	2391	BSS test																	
433	<b>2392</b>	<b>GERAN enhancements for streaming services 1</b>	Rel5																
434	<b>2393</b>	<b>GERAN enhancements for streaming services 1</b>																	
435	2394	Concept																	
436	2395	RLC protocol enhancement (SDU Discard)																	
437	<b>2396</b>	<b>GERAN enhancements for streaming services 2</b>	Rel5																
438	<b>2397</b>	<b>GERAN enhancements for streaming services 2</b>																	
439	2398	Usage of ECSD Concept																	
440	2399	Stage 2																	
441	2400	Stage 3																	
442	2401	RLC PDU formats																	
443	2402	MAC header																	
444	<b>2412</b>	<b>GERAN/UTRAN interface evolution 1 (evolution of lu ps)</b>	Rel5																
445	<b>2413</b>	<b>Evolution of lu ps</b>																	
446	2414	Identification of GERAN requirements on lu ps																	
447	2415	Update of specifications																	
448	<b>2416</b>	<b>GERAN/UTRAN interface evolution 2 (evolution of lu CS)</b>	Rel5																

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449	2417	<b>Evolution of lu cs</b>																	
450	2418	Identification of GERAN requirements on lu cs																	
451	2419	Update of specifications																	
452	2499	<b>Support of Presence Capability</b>	Rel6																
453	2501	<b>Stage 1</b>																	
454	2502	<b>Stage 2</b>																	
455	2503	<b>Stage 3</b>																	
456	2504	<b>Security issues</b>																	
457	2505	<b>USIM issues</b>																	
458	2506	<b>UE issues</b>																	
459	2507	<b>Display of Service Provider name on UE</b>	Rel5																
460	2508	<b>Stage 1</b>																	
461	2510	<b>Stage 3</b>																	
462	2511	Security issues																	
463	2512	USIM issues																	
464	2520	<b>User Equipment Management</b>	Rel5																
465	35000	<b>FS on User Equipment (UE) Management</b>	Rel5																
466	2527	<b>Emergency calls without UICC/SIM in netw. with IMS</b>	Rel6																
467	32014	<b>Stage 2</b>																	
468	2528	<b>Stage 3 work for CN1</b>																	
469	2556	<b>End to End QoS for PS Domain including IMS</b>	Rel5																
470	2557	<b>E2E QoS Concept and Architecture</b>																	
471	2558	<b>E2E QoS interworking</b>																	
472	13007	IETF draft-ietf-diffserv-pib																	
473	13008	IETF draft-hamer-rap-cops-umts-go																	
474	13009	IETF draft-rap-frameworkpib-07																	
475	13010	IETF draft-draft-nitsan-cops-rsvp-proxy																	
476	2559	<b>QoS Management (Provisioning and Monitoring)</b>																	

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477	2569	<b>Messaging enhancements Rel-5</b>	Rel5																
478	2571	<b>Multimedia Messaging (MMS) enhancements</b>																	
479	31000	Definition of service requirements	Rel5																
480	42000	Technical realization																	
481	34018	MMS formats and codecs																	
482	2572	<b>Enhanced Messaging Service (EMS) enhancements</b>																	
483	31001	Definition of service requirements																	
484	42001	Technical realization																	
485	50001	<b>GERAN Inter BSC NACC improvements over the Gb Inte</b>	Rel5																
486	14501	<b>Modification of core network protocols for GERAN Inter BSC</b>																	
487	32502	Stage 2 - Concept																	
488	14502	Stage 2 - 23.060 change - Definition of Inter BSC NACC																	
489	14503	Stage 3 (changes to TS 29.060)																	
490	50002	<b>Modification of Gb protocols for GERAN Inter BSC NACC ov</b>																	
491	50003	Stage 3 (changes to TS 48.018)																	
492	50033	<b>Enhanced Power Control</b>	Rel5																
493	50034	Realization of Enhanced power control and signaling supp																	
494	50035	<b>GERAN MS Conformance test for Enhanced Power Control</b>																	
495	50036	<b>GERAN BTS Conformance test for Enhanced Power Control</b>																	
496	50037	<b>8PSK AMR HR</b>	Rel5																
497	50038	Definition of channel coding, performance requirements an																	
498	50039	<b>GERAN MS Conformance test for 8PSK HR</b>																	
499	50040	<b>GERAN BTS Conformance test for 8PSK HR</b>																	
500	50041	<b>Uplink TDOA feasibility study</b>	Rel5																
501	50042	Performing a feasibility study																	
502	13000	<b>Service Change and UDI Fallback</b>	Rel5																
503	35009	<b>Trace Management</b>	Rel5																
504	30001	<b>small Technical Enhancements and Improvements for R</b>	Rel5																

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505	2544	<b>Multimedia Broadcast and Multicast Service</b>	Rel6																
506	2545	Stage 1																	
507	32002	Stage 2																	
508	2481	Enhancement of Broadcast and Introduction of Multicast Ca																	
509	31006	<b>Speech Recognition and Speech Enabled Services</b>	Rel6																
510	31007	Speech Enabled Services Based on Distributed Speech Rec																	
511	32999	Stage 2 of DSR																	
512	11021	SDP protocols extension to include DSR																	
513	31008	<b>Generic User Profile</b>	Rel6																
514	31009	Stage 1 - Requirements																	
515	42002	Stage 2 - Data description framework																	
516	32008	Stage 2 - Architecture																	
517	42003	Stage 3 - Common objects																	
518	31010	<b>Digital Rights Management</b>	Rel6																
519	31011	Requirements																	
520	32009	Architecture																	
521	33001	Security																	
522	34017	Codec Aspects																	
523	42004	Terminal Aspects																	
524	31012	<b>FS on WLAN-UMTS Interworking</b>	Rel6																
525	31020	Technical Report																	
526	31015	<b>Priority Service</b>	Rel6																
527	31016	Feasibility Study																	
528	31017	Stage 1 - Requirements																	
529	31018	<b>Network Sharing</b>	Rel6																
530	31019	Technical Report																	
531	30000	<b>FS on Priority Service</b>	Rel6																
532	31013	<b>UE Functionality Split</b>	Rel6																



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533	31021	<b>Technical Report</b>	Rel5																
534	32013	<b>Stage 2</b>																	
535	<b>32016</b>	<b>QoS Improvements</b>	<b>NA</b>																
536	32017	<b>Dynamic Policy control enhancements for end-to-end QoS</b>	Rel6																
537	33002	<b>Support for subscriber certificates</b>	Rel6																
538	0	<b>----- Rel-4 features listed below -----</b>	Rel4																
539	<b>1340</b>	<b>Facsimile</b>	<b>Rel4</b>																
540	<b>1341</b>	<b>Real Time Fax</b>																	
541	1808	Terminal capabilities, AT commands																	
542	1343	Signalling aspects (e.g. ICM)																	
543	1648	Service provision																	
544	1345	Review whether service/stage 1 aspects need to be aligned																	
545	1346	Review whether architecture/stage 2 aspects need to be aligned																	
546	1539	<b>Transparent End-to-End PS mobile streaming applicator</b>	Rel4																
547	<b>1818</b>	<b>Multimedia Messaging</b>	<b>Rel4</b>																
548	136	<b>Definition of service requirements</b>																	
549	1819	<b>Review of definition of service requirements</b>																	
550	<b>1820</b>	<b>Technical Realisation</b>																	
551	1821	Review of definition of reference Achitecture model																	
552	1822	"Fulfill Requirements of Stage 1"																	
553	1823	Definition of MMS primitives in Stage 2																	
554	<b>1541</b>	<b>Transcoder-Free Operation</b>	<b>Rel4</b>																
555	<b>112</b>	<b>OoBTC solution</b>																	
556	1512	implementation in UTRAN																	
557	896	Impact on architecture, Principles and Terminology																	
558	1657	Codec Negotiation between UE and MSC																	
559	115	Codec Negotiation inter MSC																	
560	894	Bearer establishment inter MSC																	

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561	1617	Prevention of user fraud																	
562	905	<b>Speech Transcoder: Location and Control at the UMTS Core</b>																	
563	124	Transcoder at Edge																	
564	2310	<b>GERAN improvements 1 (Gb over IP)</b>	Rel4																
565	2311	<b>Gb over IP (Ip-fication of Gb)</b>																	
566	2312	Concept																	
567	2313	Changes to 08.16, 08.18																	
568	2314	<b>GERAN improvements 2 (NACC)</b>	Rel4																
569	2315	<b>Gb enhancements</b>																	
570	2316	NACC (Network Assisted Cell Change)																	
571	2420	Concept																	
572	2317	Changes in 03.64																	
573	2318	Changes in 04.60																	
574	2319	Changes in 44.008																	
575	0	<b>Start Testing</b>																	
576	50030	<b>NMS conformance test for Intra BSC NACC</b>																	
577	2324	<b>GERAN improvements 4 (Delayed TBF)</b>	Rel4																
578	2325	<b>Gb enhancements 2</b>																	
579	2429	stage 2																	
580	2421	Stage 3 (changes in 44.060)																	
581	2327	Definition of enhanced countdown procedure																	
582	2328	Definition of enhanced TBF release procedure																	
583	2329	Definition of USF=FREE type polling mechanism on PDCH																	
584	1222	<b>Low Chip Rate TDD option</b>	Rel4																
585	1223	<b>Physical layer</b>																	
586	1224	<b>Layer 2 and layer 3 protocol aspects</b>																	
587	1225	<b>RF radio transmission/reception, system performance requi</b>																	
588	1227	<b>UE radio access capability</b>																	

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589	1228	<b>lub/lur protocol aspects</b>																	
590	<b>2262</b>	<b>Low chiprate TDD interworking with GERAN</b>																	
591	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD																	
592	1911	<b>Start Testing</b>																	
593	<b>2103</b>	<b>Conformance Test Aspects - Low Chip Rate TDD</b>																	
594	2217	Testing Layer 2 and layer 3 protocol aspects																	
595	2562	Testing Layer 2 and layer 3 protocol aspects - TTCN																	
596	2218	Testing RF Radio Transmission and Reception																	
597	<b>1322</b>	<b>Enable bearer independent CS architecture</b>	Rel4																
598	<b>1323</b>	<b>Enable bearer-independent call control</b>																	
599	1516	Architecture and Stage 2 description																	
600	1325	Standardisation of protocols (control & user planes) over Nb interface																	
601	1326	Standardisation of protocols over reference points between MSC server																	
602	1616	Standardisation of detailed stage 2 description																	
603	<b>1327</b>	<b>Bearer control between MSC server and MGW</b>																	
604	1328	stage 3 - protocol issues																	
605	1329	stage 3 - parameter value issues																	
606	1331	<b>Lawful interception</b>																	
607	1918	<b>Start Testing</b>																	
608	2052	<b>Conformance Test Aspects - Enable bearer independent CS</b>																	
609	<b>1445</b>	<b>MExE enhancements Rel-4</b>	Rel4																
610	<b>1447</b>	<b>MExE Security Analysis Activity</b>																	
611	2045	Stage 3																	
612	1448	Terminal aspects																	
613	<b>1810</b>	<b>MExE Rel4 Improvements and Investigations</b>																	
614	1812	3rd MExE classmark																	
615	1814	FS on Secure download mechanism and capabilities to support SDR con																	
616	1815	FS on Support of MP3/MPEG4 content																	

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617	1631	<b>Tandem Free aspects for 3G and between 2G and 3G sys</b>	Rel4																
618	1632	<b>Tandem Free AMR</b>																	
619	130	Specification																	
620	907	Impact on:																	
621	131	CN																	
622	132	GERAN																	
623	2230	<b>Advanced Speech Call Items enhancements_REL-4</b>	Rel4																
624	2232	<b>Stage 2</b>																	
625	2231	<b>Stages 2 and 3 on A interface</b>																	
626	2403	<b>700 MHz spectrum support</b>	Rel4																
627	2404	<b>GERAN support for the 700 MHz band</b>																	
628	2405	Signalling support																	
629	2406	Physical layer definitions																	
630	2407	Receiver performance and RF budget																	
631	2408	<b>GERAN MS Conformance test for 700 MHz band</b>																	
632	2409	MS test																	
633	2410	<b>GERAN BTS Conformance test for 700 MHz band</b>																	
634	2411	BTS test																	
635	2463	<b>Operator Determined Barring for Packet Oriented Servi</b>	Rel4																
636	2546	<b>UMTS QoS Architecture for PS Domain</b>	Rel4																
637	2548	<b>Architecture</b>																	
638	2550	<b>Charging and OAM&amp;P for QoS Management</b>																	
639	1681	<b>RAB Quality of Service (re)Negotiation over lu</b>																	
640	1991	RAB Quality of Service Negotiation over lu																	
641	2456	RAB Quality of Service Negotiation over lu during relocation																	
642	1992	RAB Quality of Service Re-Negotiation over lu																	
643	1553	<b>GERAN QoS Aspects - Handovers: maintenance of real-tim</b>																	
644	2306	Handover Concept for the PS domain																	

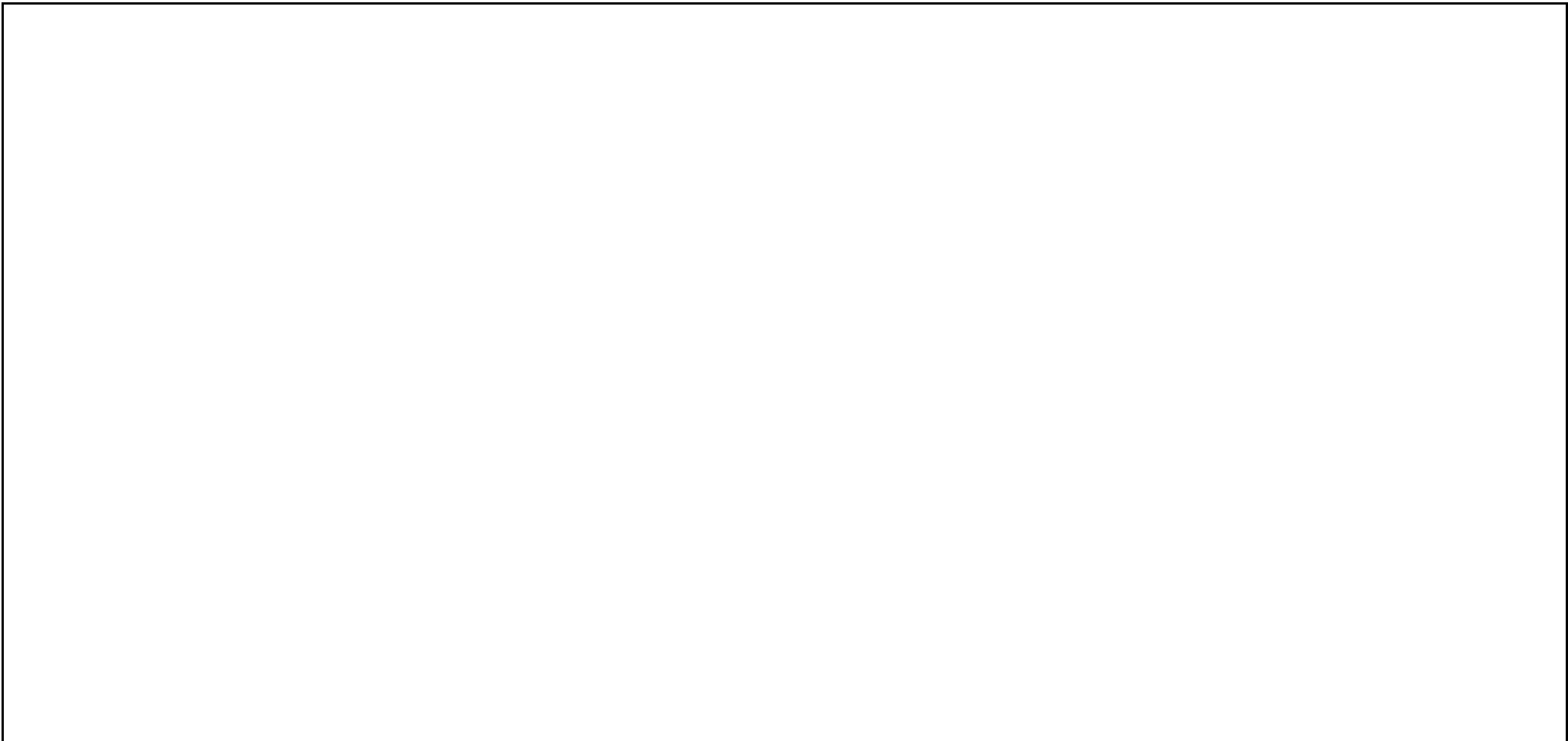





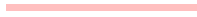



















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673	2467	<b>UMTS 1900</b>	el indep	[Blue bar]															
674	1219	<b>FS on High Speed downlink packet access</b>																	
675	1510	<b>FS on improved common DL channel for Cell-FACH state</b>		[Blue bar]															
676	<b>401839</b>	<b>Conformance Test Spec. Rel-4 improvements in Radio Inter</b>		[Grey bar with diamond]															
677	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs of dec																	
678	2213	Testing Terminal Power saving features																	
679	2214	Testing DSCH power control improvement in soft handover	Rel4																
680	2215	Testing UMTS 1800	el indep	[Blue bar]															
681	41000	Testing UMTS 1900	el indep	[Blue bar]															
682	2561	Testing UMTS 1800 - TTCN	el indep																
683	41001	Testing UMTS 1900 - TTCN	el indep																
684	<b>400009</b>	<b>Rel-4 RAN improvements</b>	<b>NA</b>																
685	655	<b>Node B synchronisation for TDD</b>	Rel4																
686	2206	<b>RAB support enhancement for Rel-4</b>	Rel4																
687	1912	<b>Start Testing</b>																	
688	<b>402102</b>	<b>Conformance Test Aspects - Rel-4 RAN Improvements</b>																	
689	2222	Testing Radio access bearer support enhancements																	
690	2461	Testing RAB support enhancements-Robust Header Compression	Rel4																
691	<b>401652</b>	<b>Rel-4 Emergency call enhancements</b>	<b>NA</b>	[Grey bar with diamond]															
692	<b>1654</b>	<b>For CS based calls</b>	<b>Rel4</b>	[Grey bar with diamond]															
693	1320	Distinction in CS domain of emergency call types to different emergency																	
694	1999	Distinction in CS domain of emergency calls to different emergency types																	
695	2224	Conformance Test Aspects - Emergency call enhancements																	
696	2226	Testing CS based emergency calls																	
697	2563	Testing CS based emergency calls - TTCN																	
698	<b>401637</b>	<b>Rel-4 OSA enhancements</b>	<b>NA</b>	[Grey bar with diamond]															
699	2120	<b>General Stage 2 for Rel4</b>	Rel4																
700	<b>401424</b>	<b>CHECK STATUS - Interactions OSA - e-commerce</b>	<b>Rel5</b>	[Grey bar with diamond]															

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701	1425	Stage 1																	
702	1529	Stages 2 and 3																	
703	<b>401786</b>	<b>CHECK STATUS - LCS - OSA interfaces</b>	<b>Rel5</b>																
704	1787	Stage 1																	
705	2124	Stage 2																	
706	1788	Stage 3																	
707	<b>401826</b>	<b>Rel-4 Terminal interfaces</b>	<b>NA</b>																
708	<b>1827</b>	<b>AT commands enhancements</b>	<b>Rel4</b>																
709	1828	Specification of AT commands for new services																	
710	1858	UE Conformance test spec. AT command																	
711	<b>1829</b>	<b>Wide Area Data Synchronisation</b>	<b>NA</b>																
712	1830	Continues evolution of Synchronisation protocol	Rel4																
713	1832	<b>Terminal local model</b>	Rel4																
714	<b>401536</b>	<b>Rel-4 Location Services enhancements</b>	<b>NA</b>																
715	2229	<b>CBS interactions</b>	Rel4																
716	523	<b>LCS support in the CS domain</b>	Rel4																
717	<b>525</b>	<b>LCS support in the PS domain</b>	<b>Rel4</b>																
718	1642	Stage 1																	
719	1181	Stage 2																	
720	<b>1180</b>	Stage 3																	
721	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS and and GSM-GPR																	
722	2462	MAP impacts of LCS																	
723	527	GTP signaling for LCS																	
724	<b>1600</b>	<b>UE positioning Rel-4</b>	<b>NA</b>																
725	1601	Iub/Iur interfaces for methods Rel 99	Rel4																
726	1602	UE positioning enhancements - IPDL for TDD	Rel4																
727	<b>401560</b>	<b>Rel-4 UICC/(U)SIM enhancements and interworking</b>	<b>NA</b>																
728	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4																

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729	1800	<b>Rel-4 (U)SIM toolkit enhancements</b>	NA																
730	2034	<b>USAT local link</b>	Rel4																
731	401571	<b>Rel-4 Security enhancements</b>	NA	—————◆															
732	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development and</b>	Rel4																
733	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	Rel4																
734	1589	Main aspects																	
735	1618	Impact on GTP																	
736	1661	GEA capability indication in MS CM																	
737	1583	<b>MAP application layer security</b>	Rel4	—————◆															
738	1584	Main aspects																	
739	2025	Other stage 3 aspects																	
740	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	—————				—————											
741	401142	<b>Rel-4 Charging and OAM&amp;P</b>	NA	◆															
742	2089	<b>Rel4 Principles, high level Requirements and Architecture</b>	Rel4																
743	2088	<b>Rel4 Performance Management</b>	Rel4	—————															
744	2081	<b>Fault Management</b>	Rel4	—————															
745	2082	<b>Configuration Management</b>	Rel4	—————															
746	2083	<b>Rel4 Charging Management</b>	Rel4	—————															
747	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4	—————															





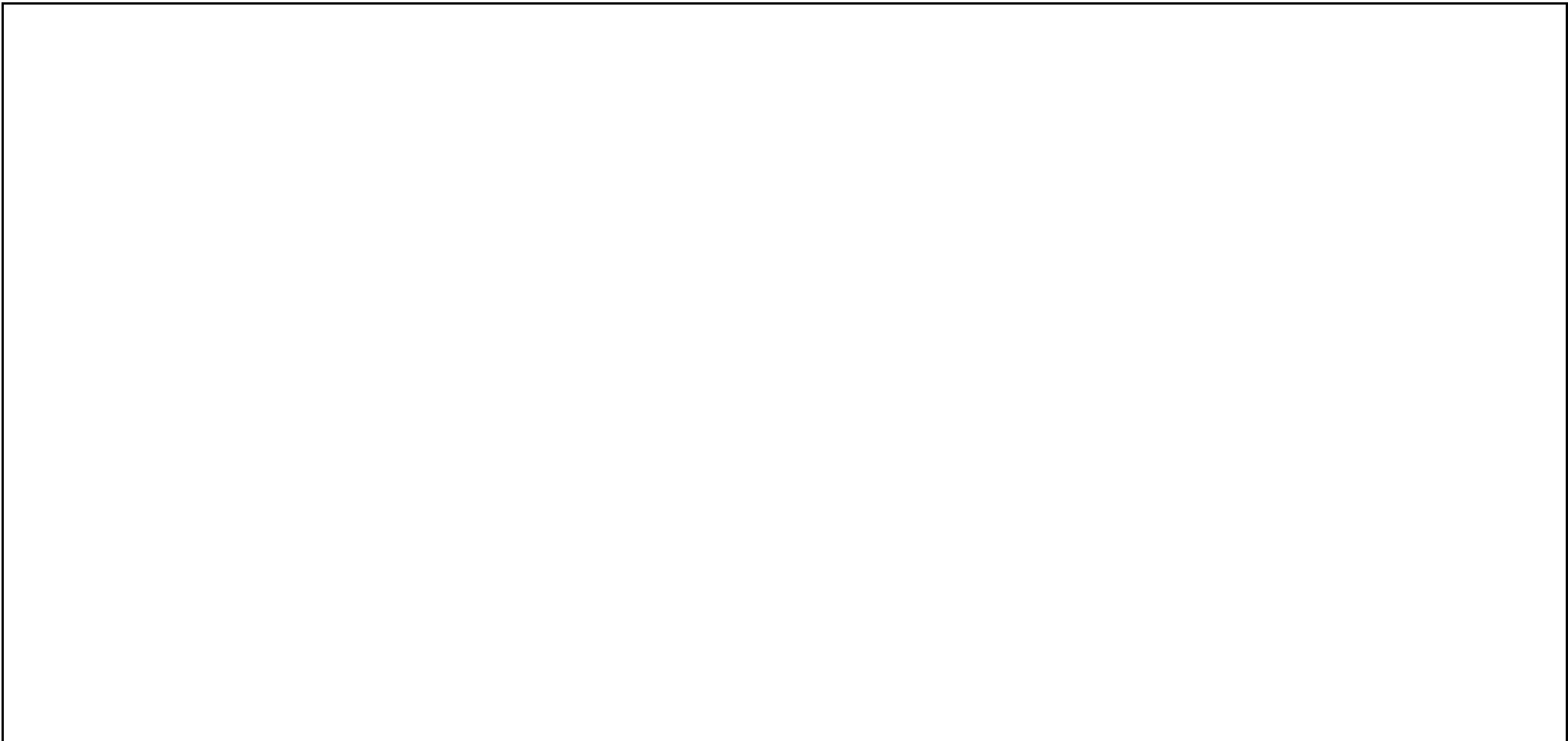
Project: 3GPP_Work Plan Date: Tue 05/03/02	Critical		Baseline Milestone		Rolled Up Split	
	Critical Split		Milestone		Rolled Up Task Progress	
	Critical Progress		Summary Progress		Rolled Up Baseline	
	Task		Summary		Rolled Up Baseline Milestone	
	Split		Rolled Up Critical		Rolled Up Milestone	
	Task Progress		Rolled Up Critical Split		External Tasks	
	Baseline		Rolled Up Critical Progress		Project Summary	
	Baseline Split		Rolled Up Task			




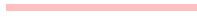



















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1	2044	<b>VERSION 2002 March 5th</b>	Rel																
2	1462	<b>"CTRL + a" to display all the 3GPP fields</b>																	
3	2058	<b>Content of Rel4 frozen. Rel5 and after not frozen.</b>	Rel																
4	0		Rel																
5	96																		
6	2	<b>Evolutions of the transport in the UTRAN [in progress]</b>	NA																
11	4	<b>Evolutions of the transport in the CN [in progress]</b>	NA																
13	2476	<b>High Speed Downlink Packet Access</b>	Rel5																
18	1216	<b>Improvements of Radio Interface [in progress]</b>	NA																
41	9	<b>RAN improvements [in progress]</b>	NA																
62	1273	<b>Provisioning of IP-based multimedia services</b>	NA																
146	34001	<b>Extended Transparent End-to-End PS Streaming Service</b>	Rel5																
149	1652	<b>Emergency call enhancements [in progress]</b>	NA																
158	1517	<b>Global Text Telephony</b>	Rel5																
166	1637	<b>OSA enhancements [in progress]</b>	NA																
203	1638	<b>CAMEL phase 4</b>	Rel5																
217	2464	<b>Rel-5 MExE enhancements</b>	Rel5																
220	1625	<b>Wideband Telephony Service - AMR</b>	Rel5																
263	1826	<b>Terminal interfaces [in progress]</b>	NA																
265	1536	<b>Location Services enhancements [in progress]</b>	NA																
303	1800	<b>(U)SIM toolkit enhancements [in progress]</b>	NA																
312	1571	<b>Security enhancements [in progress]</b>	NA																
328	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA																
336	1365	<b>Support of Push Services</b>	Rel6																
339	1142	<b>Charging and OAM&amp;P [in progress]</b>	NA																
344	2062	<b>Subscription Management</b>	Rel5																
345	2243	<b>Intra Domain Connection of RAN Nodes to Multiple CN N</b>	Rel5																
353	2320	<b>GERAN improvements 3 (new transport layer on interface</b>	Rel5																

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357	2330	<b>GERAN support for IMS</b>	TBD															◆	
373	2345	<b>Alignment of 3G functional split and lu</b>	TBD															◆	
433	2392	<b>GERAN enhancements for streaming services 1</b>	Rel5								◆								
437	2396	<b>GERAN enhancements for streaming services 2</b>	Rel5								◆								
444	2412	<b>GERAN/UTRAN interface evolution 1 (evolution of lu PS)</b>	Rel5								◆								
448	2416	<b>GERAN/UTRAN interface evolution 2 (evolution of lu CS)</b>	Rel5								◆								
452	2499	<b>Support of Presence Capability</b>	Rel6															◆	
459	2507	<b>Display of Service Provider name on UE</b>	Rel5															◆	
464	2520	<b>User Equipment Management</b>	Rel5															◆	
466	2527	<b>Emergency calls without UICC/SIM in netw. with IMS</b>	Rel6															◆	
469	2556	<b>End to End QoS for PS Domain including IMS</b>	Rel5															◆	
477	2569	<b>Messaging enhancements Rel-5</b>	Rel5															◆	
485	50001	<b>GERAN Inter BSC NACC improvements over the Gb Inte</b>	Rel5															◆	
492	50033	<b>Enhanced Power Control</b>	Rel5															◆	
496	50037	<b>8PSK AMR HR</b>	Rel5															◆	
500	50041	<b>Uplink TDOA feasibility study</b>	Rel5																
502	13000	<b>Service Change and UDI Fallback</b>	Rel5																
503	35009	<b>Trace Management</b>	Rel5																
504	30001	<b>small Technical Enhancements and Improvements for R</b>	Rel5																
505	2544	<b>Multimedia Broadcast and Multicast Service</b>	Rel6																
509	31006	<b>Speech Recognition and Speech Enabled Services</b>	Rel6															◆	
513	31008	<b>Generic User Profile</b>	Rel6																
518	31010	<b>Digital Rights Management</b>	Rel6															◆	
524	31012	<b>FS on WLAN-UMTS Interworking</b>	Rel6																
526	31015	<b>Priority Service</b>	Rel6															◆	
529	31018	<b>Network Sharing</b>	Rel6															◆	
531	30000	<b>FS on Priority Service</b>	Rel6																
532	31013	<b>UE Functionality Split</b>	Rel6															◆	

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535	32016	QoS Improvements	NA																
537	33002	Support for subscriber certificates	Rel6																
538	0	----- Rel-4 features listed below -----	Rel4																
539	1340	Facsimile	Rel4																
546	1539	Transparent End-to-End PS mobile streaming applicator	Rel4																
547	1818	Multimedia Messaging	Rel4																
554	1541	Transcoder-Free Operation	Rel4																
564	2310	GERAN improvements 1 (Gb over IP)	Rel4																
568	2314	GERAN improvements 2 (NACC)	Rel4																
577	2324	GERAN improvements 4 (Delayed TBF)	Rel4																
584	1222	Low Chip Rate TDD option	Rel4																
597	1322	Enable bearer independent CS architecture	Rel4																
609	1445	MExE enhancements Rel-4	Rel4																
617	1631	Tandem Free aspects for 3G and between 2G and 3G sys	Rel4																
623	2230	Advanced Speech Call Items enhancements_REL-4	Rel4																
626	2403	700 MHz spectrum support	Rel4																
635	2463	Operator Determined Barring for Packet Oriented Servi	Rel4																
636	2546	UMTS QoS Architecture for PS Domain	Rel4																
655	1993	small Technical Enhancements and Improvements for Re	Rel4																
656	400002	Rel-4 Evolutions of the transport in the UTRAN	NA																
661	400004	Rel-4 Evolutions of the transport in the CN	NA																
669	401216	Rel-4 Improvements of Radio Interface	NA																
684	400009	Rel-4 RAN improvements	NA																
691	401652	Rel-4 Emergency call enhancements	NA																
698	401637	Rel-4 OSA enhancements	NA																
707	401826	Rel-4 Terminal interfaces	NA																
714	401536	Rel-4 Location Services enhancements	NA																
727	401560	Rel-4 UICC/(U)SIM enhancements and interworking	NA																

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729	1800	Rel-4 (U)SIM toolkit enhancements	NA																
731	401571	Rel-4 Security enhancements	NA	—————▶															
741	401142	Rel-4 Charging and OAM&P	NA	■															



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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	
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1	2044	<b>VERSION 2002 March 5th</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 [in progress]</b>	NA																
7	625	<b>IP transport in the UTRAN</b>	Rel5																
8	2257	<b>Evolution of transport in UTRAN and GERAN</b>	Rel5																
11	4	<b>Evolutions of the transport in the CN [in progress]</b>	NA																
12	2455	<b>FS on Usage of SUA</b>	Rel5																
13	2476	<b>High Speed Downlink Packet Access</b>	Rel5																
18	1216	<b>Improvements of Radio Interface [in progress]</b>	NA																
19	1470	<b>Improvement of inter-frequency and inter-system measurement</b>	Rel5																
20	1471	<b>Base station classification</b>	Rel5																
27	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	Rel6																
28	2469	<b>Enhancement on the DSCH hard split mode</b>	Rel5																
29	2471	<b>FS on Fast Cell Selection (FCS) for HS-DSCH</b>	Rel5																
30	1506	<b>FS on Radio link performance enhancements</b>	Rel5																
31	1221	<b>FS on USTS</b>	Rel5																
32	1997	<b>FS on UE antenna efficiency test method performance requireme</b>	Rel5																
33	2494	<b>FS on the re-introduction of the downlink SIR measurement</b>	Rel5																
34	24001	<b>FS on UTRA WideBand Distribution Systems</b>	Rel5																
35	2493	<b>FS on mitigating the effect of CPICH interference at the UE</b>	Rel5																
36	24003	<b>FS for the viable deployment of UTRA in additional and diverse s</b>	Rel6																
37	21000	<b>FS on Improvement of inter-frequency and inter-system measur</b>	Rel5																
38	1839	<b>Conformance Test Spec. improvements in Radio Interface</b>																	
39	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5																
40	2211	Testing Hybrid ARQ II/III	Rel5																
41	9	<b>RAN improvements [in progress]</b>	NA																
42	656	<b>RRM optimization for lur and lub</b>	Rel5																
46	2488	<b>RL Timing Adjustment</b>	Rel5																

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47	2489	Separation of resource reservation and radio link activation	Rel5																
48	2490	Improvement of Radio Resource Management across RNS and R	Rel5																
49	2491	Re-arrangements of lub transport bearers	Rel5																
50	23003	SRNS Relocation Procedure Enhancement	Rel5																
52	1680	Header compression removal/stripping in the RAN	Rel5																
53	1686	Unequal error protection in PS domain in the RAN	Rel5																
54	21001	Beamforming requirements for UE	Rel5																
55	20999	Beamforming Enhancements	Rel5																
56	21002	Support of Site Selection Diversity Transmission in UTRAN	Rel5																
57	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5																
59	2102	Conformance Test Aspects - RAN Improvements																	
61	2461	Testing RAB support enhancements-Robust Header Compression	Rel4																
62	1273	Provisioning of IP-based multimedia services	NA																
63	1274	Call control and roaming to support IMS in UMTS	Rel5																
86	1298	Access Security for IMS	Rel5																
90	2574	Security Aspects of Requirement for Network Configuration Inde	Rel5																
91	1299	Lawful interception	TBD																
93	35007	Charging and OAM&P for IMS	Rel5																
95	2048	Interworking between IMS and IP networks	TBD																
100	2047	Interworking between IMS and CS networks	TBD																
103	14000	SIP SS and relationship to Mg, Mw, Cx	TBD																
104	2036	Multimedia codecs and protocols for conversational PS services	TBD																
108	32003	SIP message compression	TBD																
111	32005	IMS Local services	TBD																
112	10001	Stage 3 description of IMS interfaces	Rel5																
124	1310	Support of VHE/OSA by entities and protocols of the IMS (e.g. CSC	Rel5																
125	12000	Support of CAMEL by the IMS	Rel5																
131	31002	Pre-pay/real-time charging in IMS	TBD																
132	35005	Charging	Rel5																



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135	10002	Other IETF dependencies	TBD	[Timeline bar with diamond marker in Mar 2002]															
143	32015	Radio optimisation impacts on PS domain architecture	Rel6	[Timeline bar from Dec 2001 to Jun 2002]															
144	1913	Start Testing	Rel5	[Timeline bar with diamond marker in Mar 2002]															
146	34001	Extended Transparent End-to-End PS Streaming Service	Rel5	[Timeline bar with diamond marker in Mar 2002]															
149	1652	Emergency call enhancements [in progress]	NA	[Timeline bar from Sep 2001 to Sep 2002]															
150	1653	For IP & PS based calls	Rel6	[Timeline bar from Sep 2001 to Sep 2002]															
158	1517	Global Text Telephony	Rel5	[Timeline bar with diamond marker in Mar 2002 and 'Start Testing' label]															
166	1637	OSA enhancements [in progress]	NA	[Timeline bar from Sep 2001 to Jun 2002]															
167	1424	CHECK STATUS - Interactions OSA - e-commerce	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
170	1429	OSA APIs for Multimedia CC	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
173	1419	OSA security	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
179	1433	Retrieval of Terminal capabilities	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
183	1786	CHECK STATUS - LCS - OSA interfaces	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
187	2538	Interaction with Rel-5 features	Rel5	[Timeline bar from Sep 2001 to Dec 2001]															
191	2519	OSA Stage 3	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
192	15000	OSA evolution - Stages 2 and 3	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
193	15001	Framework	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
194	15002	(Multimedia) Call Control	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
195	15003	Generic user interaction	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
196	15004	Charging	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
197	15005	Policy Management	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
198	15006	Presence and Availability Management (PAM)	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
199	15007	Call Control Service Mapping; Multiparty Call Control SIP	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
200	15008	Journaling	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
201	15009	Retrieval of Network Capabilities	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
203	1638	CAMEL phase 4	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
217	2464	Rel-5 MExE enhancements	Rel5	[Timeline bar from Sep 2001 to Jun 2002]															
220	1625	Wideband Telephony Service - AMR	Rel5	[Timeline bar with diamond marker in Mar 2002 and 'Start Testing' label]															
263	1826	Terminal interfaces [in progress]	NA	[Timeline bar from Sep 2001 to Jun 2002]															

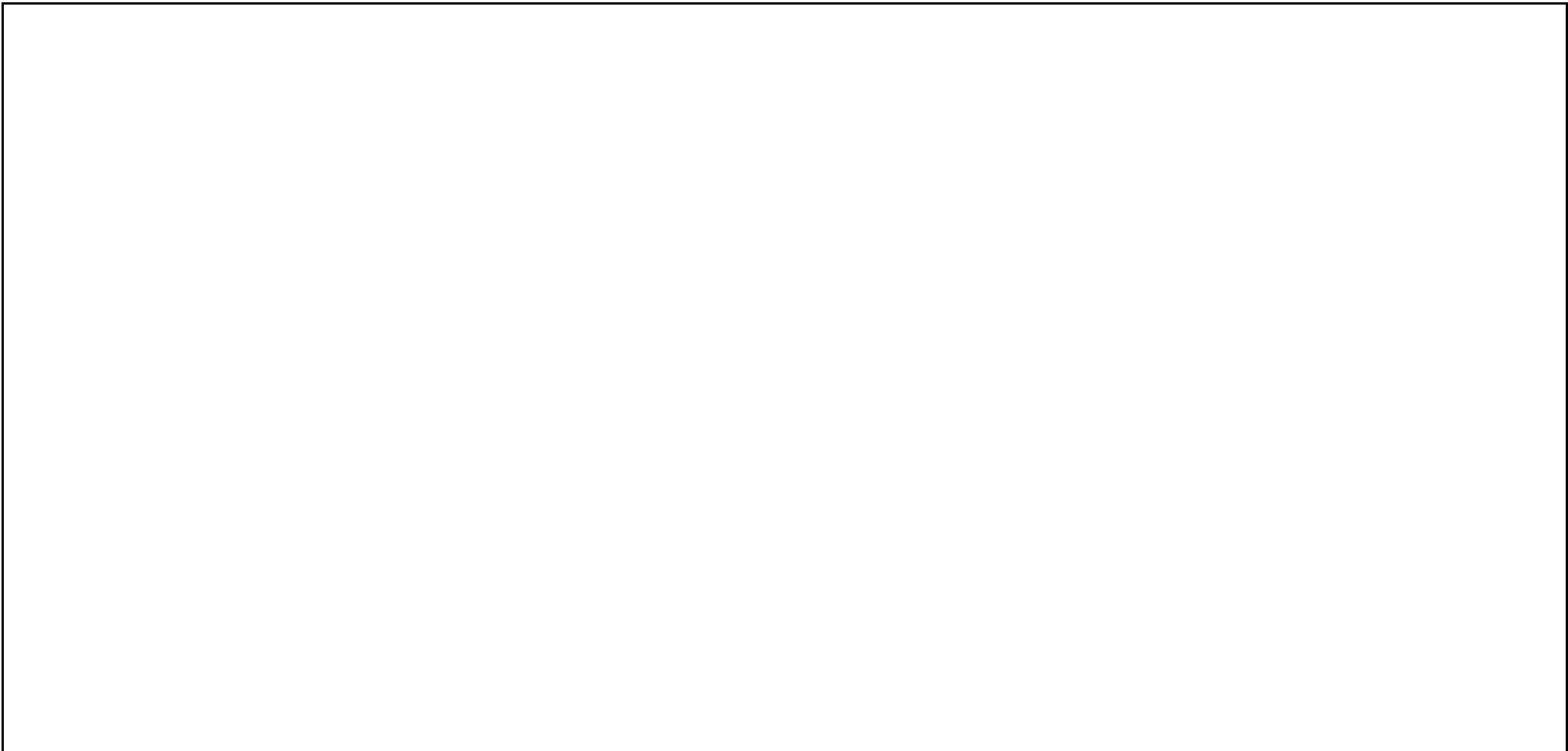
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264	2573	<b>Terminal local model enhancements</b>	Rel5	[Bar]				[Bar]											
265	1536	<b>Location Services enhancements [in progress]</b>	NA	[Bar]															
266	1600	<b>UE positioning [in progress]</b>	NA	[Bar]															
268	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	[Bar]				[Bar]											
269	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4	Rel5	[Bar]				[Bar]											
271	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positio	Rel5	[Bar]				[Bar]											
272	1171	<b>Event based and Periodic LCS</b>	Rel5	[Bar]				[Bar]			[Bar]								
276	2436	<b>Location Services for GERAN in A/Gb Mode</b>	Rel5	[Bar]				[Bar]											
281	2442	<b>Location Services for GERAN in lu Mode</b>	Rel5	[Bar]				[Bar]			[Bar]								
289	32001	<b>Enhanced support for user privacy and subscriber data handling</b>	Rel5	[Bar]				[Bar]											
299	35008	<b>Charging and OAM&amp;P for LCS enhancements</b>	Rel5	[Bar]				[Bar]			[Bar]								
300	521	<b>New security aspects of LCS (not identified)</b>	Rel5	[Bar]				[Bar]											
301	32011	<b>Specification for the Le Interface</b>	Rel5					[Bar]											
302	32012	<b>Support of the Presence Service Architecture</b>	Rel5					[Bar]											
303	1800	<b>(U)SIM toolkit enhancements [in progress]</b>	NA	[Bar]				[Bar]			[Bar]								
304	1801	<b>Protocol Standardisation of a SIM Toolkit Interpreter</b>	Rel5	[Bar]				[Bar]			[Bar]								
308	1802	<b>UICC API</b>	NA	[Bar]				[Bar]			[Bar]								
309	2031	C SIM API	Rel5	[Bar]				[Bar]			[Bar]								
312	1571	<b>Security enhancements [in progress]</b>	NA	[Bar]				[Bar]			[Bar]			[Bar]					
313	1583	<b>MAP application layer security</b>	Rel4	[Bar]				[Bar]			[Bar]								
316	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	[Bar]				[Bar]			[Bar]								
317	1576	<b>Network domain security</b>	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
325	2026	<b>Enhanced HE control of security (including positive authenticatio</b>	Rel6	[Bar]				[Bar]			[Bar]			[Bar]					
328	1861	<b>Miscellaneous UE Conformance Testing Activities</b>	NA	[Bar]															
329	1862	<b>Optimisation of Test Time, RF Aspects (FDD)</b>	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
330	1863	<b>Optimisation of Test Time, RF Aspects (TDD)</b>	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
336	1365	<b>Support of Push Services</b>	Rel6	[Bar]				[Bar]			[Bar]			[Bar]					
339	1142	<b>Charging and OAM&amp;P [in progress]</b>	NA	[Bar]															
340	35002	<b>Rel5 Principles, high level Requirements and Architecture</b>	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					

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341	35003	Rel5 Performance Management	Rel5																
342	35004	Rel5 Charging Management	Rel5																
343	35001	Network Infrastructure Management	Rel5																
344	2062	Subscription Management	Rel5																
345	2243	Intra Domain Connection of RAN Nodes to Multiple CN I	Rel5																
353	2320	GERAN improvements 3 (new transport layer on interfac	Rel5																
357	2330	GERAN support for IMS	TBD																
373	2345	Alignment of 3G functional split and lu	TBD																
433	2392	GERAN enhancements for streaming services 1	Rel5																
437	2396	GERAN enhancements for streaming services 2	Rel5																
444	2412	GERAN/UTRAN interface evolution 1 (evolution of lu PS)	Rel5																
448	2416	GERAN/UTRAN interface evolution 2 (evolution of lu CS)	Rel5																
452	2499	Support of Presence Capability	Rel6																
459	2507	Display of Service Provider name on UE	Rel5																
464	2520	User Equipment Management	Rel5																
465	35000	FS on User Equipment (UE) Management	Rel5																
466	2527	Emergency calls without UICC/SIM in netw. with IMS	Rel6																
469	2556	End to End QoS for PS Domain including IMS	Rel5																
477	2569	Messaging enhancements Rel-5	Rel5																
478	2571	Multimedia Messaging (MMS) enhancements																	
479	31000	Definition of service requirements	Rel5																
485	50001	GERAN Inter BSC NACC improvements over the Gb Inte	Rel5																
492	50033	Enhanced Power Control	Rel5																
496	50037	8PSK AMR HR	Rel5																
500	50041	Uplink TDOA feasibility study	Rel5																
502	13000	Service Change and UDI Fallback	Rel5																
503	35009	Trace Management	Rel5																
504	30001	small Technical Enhancements and Improvements for F	Rel5																
505	2544	Multimedia Broadcast and Multicast Service	Rel6																























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509	31006	Speech Recognition and Speech Enabled Services	Rel6	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
513	31008	Generic User Profile	Rel6	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
518	31010	Digital Rights Management	Rel6	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
524	31012	FS on WLAN-UMTS Interworking	Rel6																
526	31015	Priority Service	Rel6	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
529	31018	Network Sharing	Rel6		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
531	30000	FS on Priority Service	Rel6	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
532	31013	UE Functionality Split	Rel6	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
533	31021	Technical Report	Rel5																
535	32016	QoS Improvements	NA																
536	32017	Dynamic Policy control enhancements for end-to-end QoS	Rel6																
537	33002	Support for subscriber certificates	Rel6							◆	◆	◆	◆	◆	◆	◆	◆	◆	
538	0	----- Rel-4 features listed below -----	Rel4																
539	1340	Facsimile	Rel4																
546	1539	Transparent End-to-End PS mobile streaming applicatio	Rel4																
547	1818	Multimedia Messaging	Rel4																
554	1541	Transcoder-Free Operation	Rel4																
564	2310	GERAN improvements 1 (Gb over IP)	Rel4																
568	2314	GERAN improvements 2 (NACC)	Rel4	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
577	2324	GERAN improvements 4 (Delayed TBF)	Rel4																
584	1222	Low Chip Rate TDD option	Rel4	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
597	1322	Enable bearer independent CS architecture	Rel4	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
609	1445	MExE enhancements Rel-4	Rel4			◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
617	1631	Tandem Free aspects for 3G and between 2G and 3G sy	Rel4																
623	2230	Advanced Speech Call Items enhancements_REL-4	Rel4	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
626	2403	700 MHz spectrum support	Rel4	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
635	2463	Operator Determined Barring for Packet Oriented Serv	Rel4																
636	2546	UMTS QoS Architecture for PS Domain	Rel4	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	
655	1993	small Technical Enhancements and Improvements for F	Rel4																

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656	400002	<b>Rel-4 Evolutions of the transport in the UTRAN</b>	NA	[Timeline bar with diamond marker in Q3 2002]															
657	12	QoS optimisation for AAL2 connections over lub and lur interface	Rel4	[Timeline bar]															
658	1995	Transport bearer modification procedure on lub, lur, and lu	Rel4	[Timeline bar]															
661	400004	<b>Rel-4 Evolutions of the transport in the CN</b>	NA	[Timeline bar]															
662	859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel4	[Timeline bar]															
667	1513	FS on Transport and control separation in the PS CN domain	Rel4	[Timeline bar]															
669	401216	<b>Rel-4 Improvements of Radio Interface</b>	NA	[Timeline bar]															
670	1509	UTRA repeater specification (master)	Rel4	[Timeline bar]															
671	1994	DSCH power control improvement in soft handover	Rel4	[Timeline bar]															
672	1996	UMTS 1800	pl indep	[Timeline bar]															
673	2467	UMTS 1900	pl indep	[Timeline bar]															
676	401839	<b>Conformance Test Spec. Rel-4 improvements in Radio Interface</b>		[Timeline bar with diamond marker in Q4 2001]															
679	2214	Testing DSCH power control improvement in soft handover	Rel4	[Timeline bar]															
680	2215	Testing UMTS 1800	pl indep	[Timeline bar]															
681	41000	Testing UMTS 1900	pl indep	[Timeline bar]															
682	2561	Testing UMTS 1800 - TTCN	pl indep	[Timeline bar]															
683	41001	Testing UMTS 1900 - TTCN	pl indep	[Timeline bar]															
684	400009	<b>Rel-4 RAN improvements</b>	NA	[Timeline bar with diamond marker in Q4 2001 and 'Start Testing' label]															
685	655	Node B synchronisation for TDD	Rel4	[Timeline bar]															
686	2206	RAB support enhancement for Rel-4	Rel4	[Timeline bar]															
688	402102	<b>Conformance Test Aspects - Rel-4 RAN Improvements</b>		[Timeline bar with diamond marker in Q1 2002]															
690	2461	Testing RAB support enhancements-Robust Header Compression	Rel4	[Timeline bar]															
691	401652	<b>Rel-4 Emergency call enhancements</b>	NA	[Timeline bar with diamond marker in Q4 2002]															
692	1654	For CS based calls	Rel4	[Timeline bar with diamond marker in Q4 2002]															
698	401637	<b>Rel-4 OSA enhancements</b>	NA	[Timeline bar with diamond marker in Q2 2002]															
699	2120	General Stage 2 for Rel4	Rel4	[Timeline bar]															
700	401424	CHECK STATUS - Interactions OSA - e-commerce	Rel5	[Timeline bar with diamond marker in Q2 2002]															
703	401786	CHECK STATUS - LCS - OSA interfaces	Rel5	[Timeline bar with diamond marker in Q2 2002]															
707	401826	<b>Rel-4 Terminal interfaces</b>	NA	[Timeline bar]															

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708	1827	<b>AT commands enhancements</b>	Rel4																
711	1829	<b>Wide Area Data Synchronisation</b>	NA																
712	1830	Continues evolution of Synchronisation protocol	Rel4																
713	1832	<b>Terminal local model</b>	Rel4																
714	401536	<b>Rel-4 Location Services enhancements</b>	NA																
715	2229	<b>CBS interactions</b>	Rel4																
716	523	<b>LCS support in the CS domain</b>	Rel4																
717	525	<b>LCS support in the PS domain</b>	Rel4																
724	1600	<b>UE positioning Rel-4</b>	NA																
725	1601	lub/lur interfaces for methods Rel 99	Rel4																
726	1602	UE positioning enhancements - IPDL for TDD	Rel4																
727	401560	<b>Rel-4 UICC/(U)SIM enhancements and interworking</b>	NA																
728	1799	<b>Common PCN Handset Specification (CPHS)</b>	Rel4																
729	1800	<b>Rel-4 (U)SIM toolkit enhancements</b>	NA																
730	2034	<b>USAT local link</b>	Rel4																
731	401571	<b>Rel-4 Security enhancements</b>	NA																
732	1587	<b>Evolution of GSM CS algorithms (e.g. A5/3 development and depl</b>	Rel4																
733	1588	<b>Evolution of GSM PS algorithms (e.g. GEA 2 deployment)</b>	Rel4																
737	1583	<b>MAP application layer security</b>	Rel4																
740	1594	CHECK STATUS - Visibility and Configurability of security	Rel5																
741	401142	<b>Rel-4 Charging and OAM&amp;P</b>	NA																
742	2089	<b>Rel4 Principles, high level Requirements and Architecture</b>	Rel4																
743	2088	<b>Rel4 Performance Management</b>	Rel4																
744	2081	<b>Fault Management</b>	Rel4																
745	2082	<b>Configuration Management</b>	Rel4																
746	2083	<b>Rel4 Charging Management</b>	Rel4																
747	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4																



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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	