

3GPP Work Plan – Cover page

Version 2002, March 5th

Introduction

This cover sheet contains 3 parts:
Part 1: Specific comments for this version
Part 2: General recurrent information
Part 3: History

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

ftp://ftp.3gpp.org/information/work_plan

For comments on a given WI, contact the MCC support of the given WI's responsible WG/TSG (mapping "WG/TSG to MCC support" and MCC e-mail addresses available at: http://www.3gpp.org/About_3GPP/structure.htm).

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

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

Specific comments for this version

Main changes between version January 25th and version March 5th 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 .

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

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

A "Tracking Gantt" is used (since version 2001, July the 11th) instead of the "simple" Gantt used before. This means that 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, 1st.
15. Hyperlink (to the proposed/approved WI coversheet)

16. WI rapporteur name
17. WI rapporteur e-mail
18. MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
19. Notes (free field).

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

How the changes on the Work Plan are tracked?

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

Global level

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

The global level shall at least:

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

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

Detailed level

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

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

The fields subject to change tracking are the following ones:

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

The other ones -listed 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, 1st) to provide the date of the latest modification of the WI.

History

This section is reset after each plenary meeting.

ID	Unique_ID	Name	Release	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	VERSION 2002 March 5th	Rel																
2	1462	"CTRL + a" to display all the 3GPP fields																	
3	2058	Content of Rel4 frozen. Rel5 and after not frozen.	Rel																
4	0		Rel																
5	96																		
6	2	Evolutions of the transport in the UTRAN [in progress]	NA																
7	625	IP transport in the UTRAN	Rel5																
8	2257	Evolution of transport in UTRAN and GERAN	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	Evolutions of the transport in the CN [in progress]	NA																
12	2455	FS on Usage of SUA	Rel5																
13	2476	High Speed Downlink Packet Access	Rel5																
14	2477	Physical Layer																	
15	2478	Layer 2 and 3 aspects																	
16	2479	Iub/Iur protocol aspects																	
17	2480	RF Radio Transmission/ Reception, System Performance R																	
18	1216	Improvements of Radio Interface [in progress]	NA																
19	1470	Improvement of inter-frequency and inter-system measure	Rel5																
20	1471	Base station classification	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	Hybrid ARQ II/III																	
25	1218	Improved usage of downlink resource in FDD for CCTrCHs c																	
26	1507	Terminal Power Saving features																	
27	2468	Multiple Input Multiple Output antennas (MIMO)	Rel6																
28	2469	Enhancement on the DSCH hard split mode	Rel5																

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
29	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel5																
30	1506	FS on Radio link performance enhancements	Rel5																
31	1221	FS on USTS	Rel5																
32	1997	FS on UE antenna efficiency test method performance requi	Rel5																
33	2494	FS on the re-introduction of the downlink SIR measurement	Rel5																
34	24001	FS on UTRA WideBand Distribution Systems	Rel5																
35	2493	FS on mitigating the effect of CPICH interference at the UE	Rel5																
36	24003	FS for the viable deployment of UTRA in additional and div	Rel6																
37	21000	FS on Improvement of inter-frequency and inter-system mea	Rel5																
38	1839	Conformance Test Spec. improvements in Radio Interface																	
39	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5																
40	2211	Testing Hybrid ARQ II/III	Rel5																
41	9	RAN improvements [in progress]	NA																
42	656	RRM optimization for lur and lub	Rel5																
43	23000	lur common transport channel efficiency optimisation																	
44	23001	lur neighbouring cell reporting efficiency optimisation																	
45	23002	Introduction of direct transport bearers between SRNC and Node-B																	
46	2488	RL Timing Adjustment	Rel5																
47	2489	Separation of resource reservation and radio link activation	Rel5																
48	2490	Improvement of Radio Resource Management across RNS	Rel5																
49	2491	Re-arrangements of lub transport bearers	Rel5																
50	23003	SRNS Relocation Procedure Enhancement	Rel5																
51	624	RAB support enhancement																	
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																

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				Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
57	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5																
58	1912	Start Testing																	
59	2102	Conformance Test Aspects - RAN Improvements																	
60	2222	Testing Radio access bearer support enhancements																	
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																
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	Main IETF dependencies																	
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	Access Security for IMS	Rel5																
87	33000	SA3 task																	
88	43000	IMS impacts on UICC																	
89	11014	SIP extensions for Integrity protection																	
90	2574	Security Aspects of Requirement for Network Configuration	Rel5																
91	1299	Lawful interception	TBD																
92	0	(copy) GERAN support of IMS																	
93	35007	Charging and OAM&P for IMS	Rel5																
94	0	(copy) End-to-end QoS																	
95	2048	Interworking between IMS and IP networks	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	Interworking between IMS and CS networks	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	SIP SS and relationship to Mg, Mw, Cx	TBD																
104	2036	Multimedia codecs and protocols for conversational PS ser	TBD																
105	2039	Codecs																	
106	2040	performance characterisation of codec																	
107	34006	recommendation for QoS parameter values for various media types																	
108	32003	SIP message compression	TBD																
109	32004	Stage 2																	
110	11015	Compression signalling																	
111	32005	IMS Local services	TBD																
112	10001	Stage 3 description of IMS interfaces	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	Support of VHE/OSA by entities and protocols of the IMS (e.	Rel5	[Progress bar]				[Progress bar]			[Progress bar]								
125	12000	Support of CAMEL by the IMS	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	Pre-pay/real-time charging in IMS	TBD	[Progress bar]				[Progress bar]			[Progress bar]								
132	35005	Charging	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	10002	Other IETF dependencies	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	Radio optimisation impacts on PS domain architecture	Rel6					[Bar]											
144	1913	Start Testing	Rel5								18/03								
145	1844	Conformance Test Aspects - Provisioning of IMS									[Bar]			[Bar]					
146	34001	Extended Transparent End-to-End PS Streaming Service	Rel5	[Bar]				[Bar]											
147	34002	Stage 1		[Bar]															
148	34003	Stage 2 (version Rel5 of TS 26.234)		[Bar]				[Bar]											
149	1652	Emergency call enhancements [in progress]	NA	[Bar]				[Bar]			[Bar]			[Bar]					
150	1653	For IP & PS based calls	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	Global Text Telephony	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
159	1634	Stage 1		[Bar]				[Bar]			[Bar]			[Bar]					
160	1519	Stage 2		[Bar]				[Bar]			[Bar]			[Bar]					
161	2234	Specification of Cellular Text telephone Modem		[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	Start Testing		[Bar]				[Bar]			[Bar]			[Bar]					
165	1852	Conformance Test Aspects - Global Text telephony		[Bar]				[Bar]			[Bar]			[Bar]					
166	1637	OSA enhancements [in progress]	NA	[Bar]				[Bar]			[Bar]			[Bar]					
167	1424	CHECK STATUS - Interactions OSA - e-commerce	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	OSA APIs for Multimedia CC	Rel5																	
171	1430	Stage 1																		
172	1530	Stages 2 and 3																		
173	1419	OSA security	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	Retrieval of Terminal capabilities	Rel5																	
180	1434	Stage 1																		
181	1436	Stages 2 and 3																		
182	2122	Provisioning of the terminal capabilities																		
183	1786	CHECK STATUS - LCS - OSA interfaces	Rel5																	
184	1787	Stage 1																		
185	2124	Stage 2																		
186	1788	Stage 3																		
187	2538	Interaction with Rel-5 features	Rel5																	
188	2539	Access to Presence information																		
189	2540	Access to User Profile																		
190	2541	Policy Management																		
191	2519	OSA Stage 3	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	General Stage 2 for Rel5																	
203	1638	CAMEL phase 4	Rel5																
204	1461	Service requirements																	
205	2011	Charging notification to the CSE																	
206	2012	Call Party Handling																	
207	2013	Mid call procedure for MO and MT calls																	
208	2014	Interactions with Optimal Routing																	
209	2015	Inclusion of flexible tone injection																	
210	2016	CSE control over MT SMS																	
211	2460	Notification of GPRS mobility management to CSE																	
212	2459	Enhancement of dialled services																	
213	2458	Provision of location information of called subscriber																	
214	2514	Inclusion of ODB data in the CSE_HLR interface																	
215	2515	Location information during an ongoing call (Handover DP)																	
216	2516	GPRS Any Time Interrogation																	
217	2464	Rel-5 MExE enhancements	Rel5																
218	2465	MExE Rel-5 Security Analysis																	
219	2466	MExE Rel-5 Improvements and Investigations																	
220	1625	Wideband Telephony Service - AMR	Rel5																
221	62	Specification																	
222	31005	Stage 1																	
223	32007	Stage 2																	
224	1459	Design Constraints																	

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				Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
225	1460	General Description																	
226	1626	Feasibility Study																	
227	67	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	76	Terminal Acoustic Characteristics																	
243	1628	Definition																	
244	1629	Test specification																	
245	34004	Floating-point ANSI-C code for the AMR-WB speech codec																	
246	889	Implementation																	
247	893	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	80	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	2269	GERAN MS conformance test for AMR-WB																	
258	2270	MS test																	
259	2271	GERAN BTS conformance test for AMR-WB																	
260	2272	BTS test																	
261	1656	N1 Aspects																	
262	14005	N4 work																	
263	1826	Terminal interfaces [in progress]	NA																
264	2573	Terminal local model enhancements	Rel5																
265	1536	Location Services enhancements [in progress]	NA																
266	1600	UE positioning [in progress]	NA																
267	2457	UE positioning enhancements - other methods																	
268	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5																
269	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel'4 p	Rel5																
270	2127	Stage 2																	
271	2125	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Position	Rel5																
272	1171	Event based and Periodic LCS	Rel5																
273	1641	Stage 1																	
274	1538	Stage 2 specification																	
275	1179	Impact on MAP																	
276	2436	Location Services for GERAN in A/Gb Mode	Rel5																
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	Location Services for GERAN in lu Mode	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	Enhanced support for user privacy and subscriber data han	Rel5																
290	544	LCS interoperation stage 2 aspects																	
291	2434	LCS interoperability aspects to GERAN																	
292	2435	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and C																	
293	2450	GERAN MS Conformance test for LCS																	
294	2451	MS test																	
295	2452	GERAN BTS Conformance test for LCS																	
296	2453	BTS test																	
297	52003	Uplink TDOA feasibility study																	
298	1183	FS on LCS support in the IMS																	
299	35008	Charging and OAM&P for LCS enhancements	Rel5																
300	521	New security aspects of LCS (not identified)	Rel5																
301	32011	Specification for the Le Interface	Rel5																
302	32012	Support of the Presence Service Architecture	Rel5																
303	1800	(U)SIM toolkit enhancements [in progress]	NA																
304	1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5																
305	2497	Stage 1																	
306	2496	Stage 2 and 3																	
307	2518	Test specification																	
308	1802	UICC API	NA																

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309	2031	C SIM API	Rel5	◆															
310	2032	Specification																	
311	2033	Test specification																	
312	1571	Security enhancements [in progress]	NA																
313	1583	MAP application layer security	Rel4																
314	1584	Main aspects																	
315	2025	Other stage 3 aspects																	
316	1594	CHECK STATUS - Visibility and Configurability of security	Rel5																
317	1576	Network domain security	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	Enhanced HE control of security (including positive authent	Rel6																
326	2027	Stage 2																	
327	2028	FS on Network impacts																	
328	1861	Miscellaneous UE Conformance Testing Activities	NA																
329	1862	Optimisation of Test Time, RF Aspects (FDD)	el Indep																
330	1863	Optimisation of Test Time, RF Aspects (TDD)	el Indep																
331	1907	Extensions to R99 Test cases																	
332	2564	Extension to R99 Test cases - TTCN																	
333	2565	Creation of R99 TCs for TDD - prose																	
334	2566	Creation of R99 TCs for TDD - TTCN																	
335	1908	Review all other work items for impact on new or exiting 34																	
336	1365	Support of Push Services	Rel6																

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337	31004	Stage 1																	
338	32000	TR on feasibility study																	
339	1142	Charging and OAM&P [in progress]	NA																
340	35002	Rel5 Principles, high level Requirements and Architecture	Rel5																
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 N	Rel5																
346	2244	Overall System Architecture																	
347	20000	Stage 3: RAN node selecting CN node																	
348	2246	GERAN work																	
349	52001	Stage 2																	
350	52002	Stage 3																	
351	2248	N1 work																	
352	2249	N4 work																	
353	2320	GERAN improvements 3 (new transport layer on interface	Rel5																
354	2321	Evolution of the transport for A																	
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	GERAN support for IMS	TBD																
358	2331	GERAN Header adaptation																	
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	GERAN Radio access bearer design for IMS																	
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	2338	Physical layer multiplexing																	
367	2339	Stage 2																	
368	2432	Stage 3																	
369	2341	GERAN MS Conformance test for support of IMS																	
370	2342	MS test																	
371	2343	GERAN BTS Conformance test for support of IMS																	
372	2344	BTS test																	
373	2345	Alignment of 3G functional split and lu	TBD																
374	2346	GERAN user / control plane																	
375	2347	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	2424	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	2359	lu rg interface																	
397	2425	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	2426	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	2370	Voice over GERAN PS and CS concept																	
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	2377	GERAN Narrowband speech realization																	
417	2427	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	2428	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	2388	GERAN MS Conformance test for GERAN interface evolution																	
430	2389	MS test																	
431	2390	GERAN MS Conformance test for GERAN interface evolution																	
432	2391	BSS test																	
433	2392	GERAN enhancements for streaming services 1	Rel5																
434	2393	GERAN enhancements for streaming services 1																	
435	2394	Concept																	
436	2395	RLC protocol enhancement (SDU Discard)																	
437	2396	GERAN enhancements for streaming services 2	Rel5																
438	2397	GERAN enhancements for streaming services 2																	
439	2398	Usage of ECSD Concept																	
440	2399	Stage 2																	
441	2400	Stage 3																	
442	2401	RLC PDU formats																	
443	2402	MAC header																	
444	2412	GERAN/UTRAN interface evolution 1 (evolution of lu ps)	Rel5																
445	2413	Evolution of lu ps																	
446	2414	Identification of GERAN requirements on lu ps																	
447	2415	Update of specifications																	
448	2416	GERAN/UTRAN interface evolution 2 (evolution of lu CS)	Rel5																

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449	2417	Evolution of lu cs																	
450	2418	Identification of GERAN requirements on lu cs																	
451	2419	Update of specifications																	
452	2499	Support of Presence Capability	Rel6																
453	2501	Stage 1																	
454	2502	Stage 2																	
455	2503	Stage 3																	
456	2504	Security issues																	
457	2505	USIM issues																	
458	2506	UE issues																	
459	2507	Display of Service Provider name on UE	Rel5																
460	2508	Stage 1																	
461	2510	Stage 3																	
462	2511	Security issues																	
463	2512	USIM issues																	
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																
467	32014	Stage 2																	
468	2528	Stage 3 work for CN1																	
469	2556	End to End QoS for PS Domain including IMS	Rel5																
470	2557	E2E QoS Concept and Architecture																	
471	2558	E2E QoS interworking																	
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	QoS Management (Provisioning and Monitoring)																	

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

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505	2544	Multimedia Broadcast and Multicast Service	Rel6																
506	2545	Stage 1																	
507	32002	Stage 2																	
508	2481	Enhancement of Broadcast and Introduction of Multicast Ca																	
509	31006	Speech Recognition and Speech Enabled Services	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	Generic User Profile	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	Digital Rights Management	Rel6																
519	31011	Requirements																	
520	32009	Architecture																	
521	33001	Security																	
522	34017	Codec Aspects																	
523	42004	Terminal Aspects																	
524	31012	FS on WLAN-UMTS Interworking	Rel6																
525	31020	Technical Report																	
526	31015	Priority Service	Rel6																
527	31016	Feasibility Study																	
528	31017	Stage 1 - Requirements																	
529	31018	Network Sharing	Rel6																
530	31019	Technical Report																	
531	30000	FS on Priority Service	Rel6																
532	31013	UE Functionality Split	Rel6																

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533	31021	Technical Report	Rel5																
534	32013	Stage 2																	
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																
540	1341	Real Time Fax																	
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	Transparent End-to-End PS mobile streaming applicator	Rel4																
547	1818	Multimedia Messaging	Rel4																
548	136	Definition of service requirements																	
549	1819	Review of definition of service requirements																	
550	1820	Technical Realisation																	
551	1821	Review of definition of reference Architecture model																	
552	1822	"Fulfill Requirements of Stage 1"																	
553	1823	Definition of MMS primitives in Stage 2																	
554	1541	Transcoder-Free Operation	Rel4																
555	112	OoBTC solution																	
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	Speech Transcoder: Location and Control at the UMTS Core																	
563	124	Transcoder at Edge																	
564	2310	GERAN improvements 1 (Gb over IP)	Rel4																
565	2311	Gb over IP (Ip-fication of Gb)																	
566	2312	Concept																	
567	2313	Changes to 08.16, 08.18																	
568	2314	GERAN improvements 2 (NACC)	Rel4																
569	2315	Gb enhancements																	
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	Start Testing																	
576	50030	NMS conformance test for Intra BSC NACC																	
577	2324	GERAN improvements 4 (Delayed TBF)	Rel4																
578	2325	Gb enhancements 2																	
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	Low Chip Rate TDD option	Rel4																
585	1223	Physical layer																	
586	1224	Layer 2 and layer 3 protocol aspects																	
587	1225	RF radio transmission/reception, system performance requi																	
588	1227	UE radio access capability																	

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589	1228	lub/lur protocol aspects																	
590	2262	Low chiprate TDD interworking with GERAN																	
591	2263	Handover and Cell Selection / Reselection to UTRA 1.28 Mcps TDD																	
592	1911	Start Testing																	
593	2103	Conformance Test Aspects - Low Chip Rate TDD																	
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	1322	Enable bearer independent CS architecture	Rel4																
598	1323	Enable bearer-independent call control																	
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	1327	Bearer control between MSC server and MGW																	
604	1328	stage 3 - protocol issues																	
605	1329	stage 3 - parameter value issues																	
606	1331	Lawful interception																	
607	1918	Start Testing																	
608	2052	Conformance Test Aspects - Enable bearer independent CS																	
609	1445	MExE enhancements Rel-4	Rel4																
610	1447	MExE Security Analysis Activity																	
611	2045	Stage 3																	
612	1448	Terminal aspects																	
613	1810	MExE Rel4 Improvements and Investigations																	
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																	

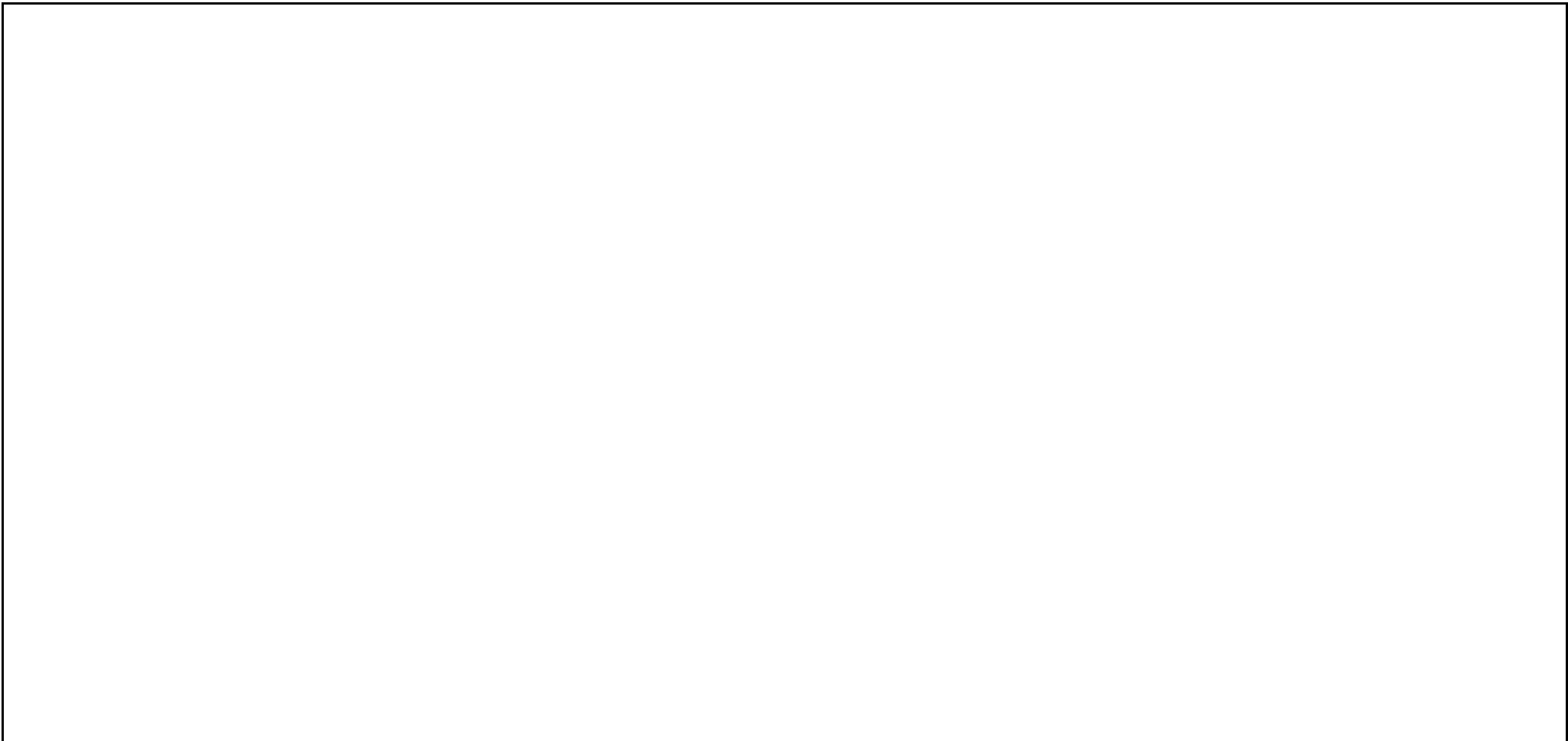
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617	1631	Tandem Free aspects for 3G and between 2G and 3G sys	Rel4																
618	1632	Tandem Free AMR																	
619	130	Specification																	
620	907	Impact on:																	
621	131	CN																	
622	132	GERAN						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




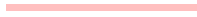



















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645	2309	Stable RT handover report 25.936 including header removal																	
646	2307	Update of stage 2																	
647	2308	Update of relevant stage 3 specs -> RRC		■															
648	50010	GERAN MS Conformance test for inter-system and intra-sys		→															
649	50011	Handover for the PS domain		→															
650	50012	Stable RT handover report 25.936 including header removal		■															
651	50013	Update of stage 2		■															
652	50014	Update of relevant stage 3 specs		■															
653	1685	PS-domain handover for real-time services																	
654	2554	RAB QoS Renegotiation at Relocation																	
655	1993	small Technical Enhancements and Improvements for Rel-4	Rel4																
656	400002	Rel-4 Evolutions of the transport in the UTRAN	NA	→															
657	12	QoS optimisation for AAL2 connections over lub and lur int	Rel4																
658	1995	Transport bearer modification procedure on lub, lur, and lu	Rel4																
659	401834	Conformance Test Aspects of Rel-4 evolutions of the transp																	
660	2208	Testing RAB support enhancements																	
661	400004	Rel-4 Evolutions of the transport in the CN	NA	→															
662	859	IP Transport of CN protocols (e.g., CAP, MAP)	Rel4																
663	1679	Stage 3																	
664	2018	CAP																	
665	2019	MAP																	
666	2253	BSSAP+																	
667	1513	FS on Transport and control separation in the PS CN doma	Rel4																
668	1615	Architectural impacts																	
669	401216	Rel-4 Improvements of Radio Interface	NA	→															
670	1509	UTRA repeater specification (master)	Rel4																
671	1994	DSCH power control improvement in soft handover	Rel4																
672	1996	UMTS 1800	el indep	■															

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673	2467	UMTS 1900	el indep	[Blue bar]															
674	1219	FS on High Speed downlink packet access																	
675	1510	FS on improved common DL channel for Cell-FACH state		[Blue bar]															
676	401839	Conformance Test Spec. Rel-4 improvements in Radio Inter		[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	400009	Rel-4 RAN improvements	NA																
685	655	Node B synchronisation for TDD	Rel4																
686	2206	RAB support enhancement for Rel-4	Rel4																
687	1912	Start Testing																	
688	402102	Conformance Test Aspects - Rel-4 RAN Improvements																	
689	2222	Testing Radio access bearer support enhancements																	
690	2461	Testing RAB support enhancements-Robust Header Compression	Rel4																
691	401652	Rel-4 Emergency call enhancements	NA	[Grey bar with diamond]															
692	1654	For CS based calls	Rel4	[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	401637	Rel-4 OSA enhancements	NA	[Grey bar with diamond]															
699	2120	General Stage 2 for Rel4	Rel4																
700	401424	CHECK STATUS - Interactions OSA - e-commerce	Rel5	[Grey bar with diamond]															

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

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

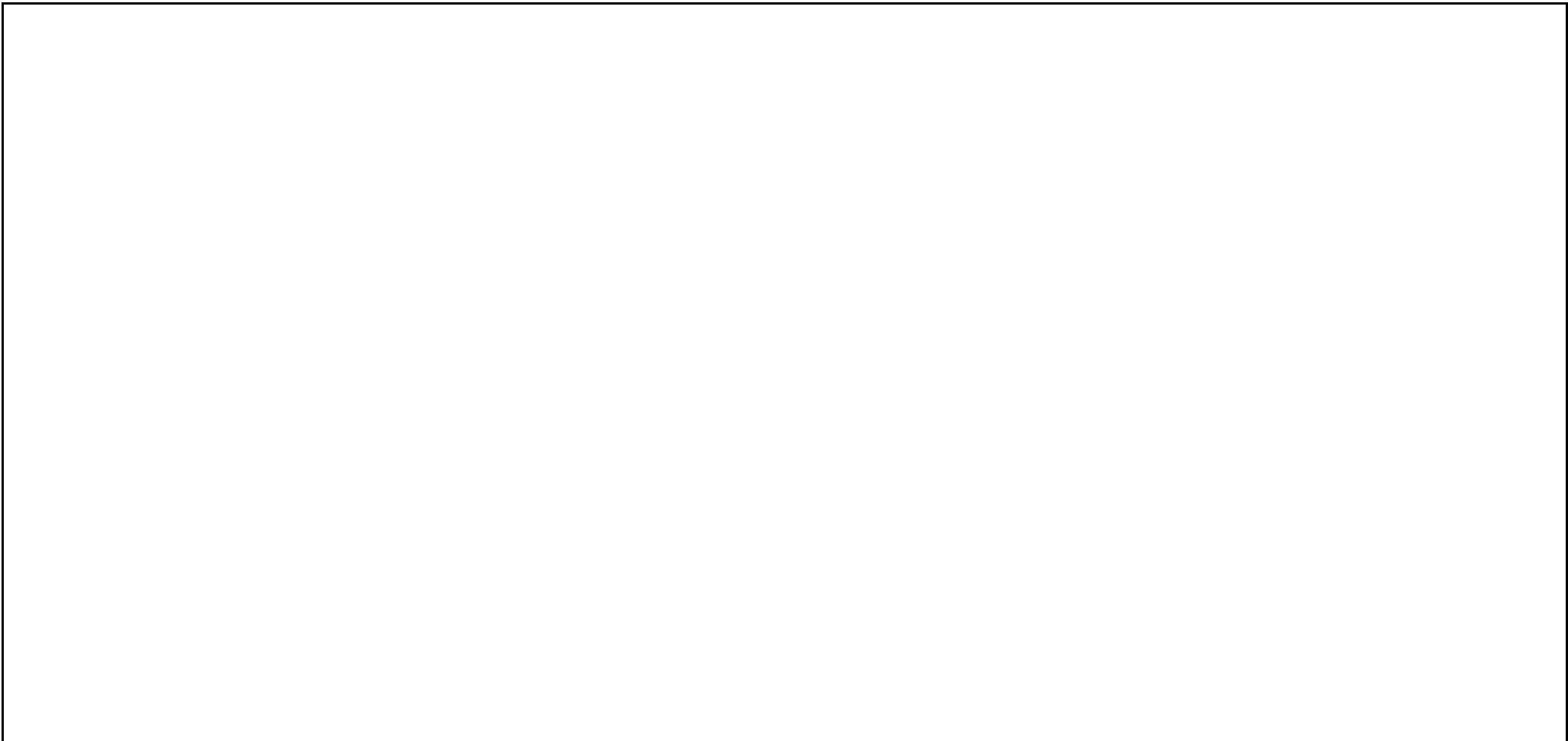





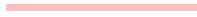



















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	Critical Split		Milestone		Rolled Up Task Progress	
	Critical Progress		Summary Progress		Rolled Up Baseline	
	Task		Summary		Rolled Up Baseline Milestone	
	Split		Rolled Up Critical		Rolled Up Milestone	
	Task Progress		Rolled Up Critical Split	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

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

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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	
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	Baseline		Rolled Up Critical Progress		Project Summary	
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1	2044	VERSION 2002 March 5th	Rel																
3	2058	Content of Rel4 frozen. Rel5 and after not frozen.	Rel																
4	0		Rel																
6	2	Evolutions of the transport in the UTRAN [in progress]	NA																
7	625	IP transport in the UTRAN	Rel5																
8	2257	Evolution of transport in UTRAN and GERAN	Rel5																
11	4	Evolutions of the transport in the CN [in progress]	NA																
12	2455	FS on Usage of SUA	Rel5																
13	2476	High Speed Downlink Packet Access	Rel5																
18	1216	Improvements of Radio Interface [in progress]	NA																
19	1470	Improvement of inter-frequency and inter-system measurement	Rel5																
20	1471	Base station classification	Rel5																
27	2468	Multiple Input Multiple Output antennas (MIMO)	Rel6																
28	2469	Enhancement on the DSCH hard split mode	Rel5																
29	2471	FS on Fast Cell Selection (FCS) for HS-DSCH	Rel5																
30	1506	FS on Radio link performance enhancements	Rel5																
31	1221	FS on USTS	Rel5																
32	1997	FS on UE antenna efficiency test method performance requireme	Rel5																
33	2494	FS on the re-introduction of the downlink SIR measurement	Rel5																
34	24001	FS on UTRA WideBand Distribution Systems	Rel5																
35	2493	FS on mitigating the effect of CPICH interference at the UE	Rel5																
36	24003	FS for the viable deployment of UTRA in additional and diverse s	Rel6																
37	21000	FS on Improvement of inter-frequency and inter-system measur	Rel5																
38	1839	Conformance Test Spec. improvements in Radio Interface																	
39	2210	Testing improvement of inter-frequency and inter-system measurement	Rel5																
40	2211	Testing Hybrid ARQ II/III	Rel5																
41	9	RAN improvements [in progress]	NA																
42	656	RRM optimization for lur and lub	Rel5																
46	2488	RL Timing Adjustment	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 in Feb 2002]															
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 in Feb 2002]															
263	1826	Terminal interfaces [in progress]	NA	[Timeline bar from Sep 2001 to Jun 2002]															

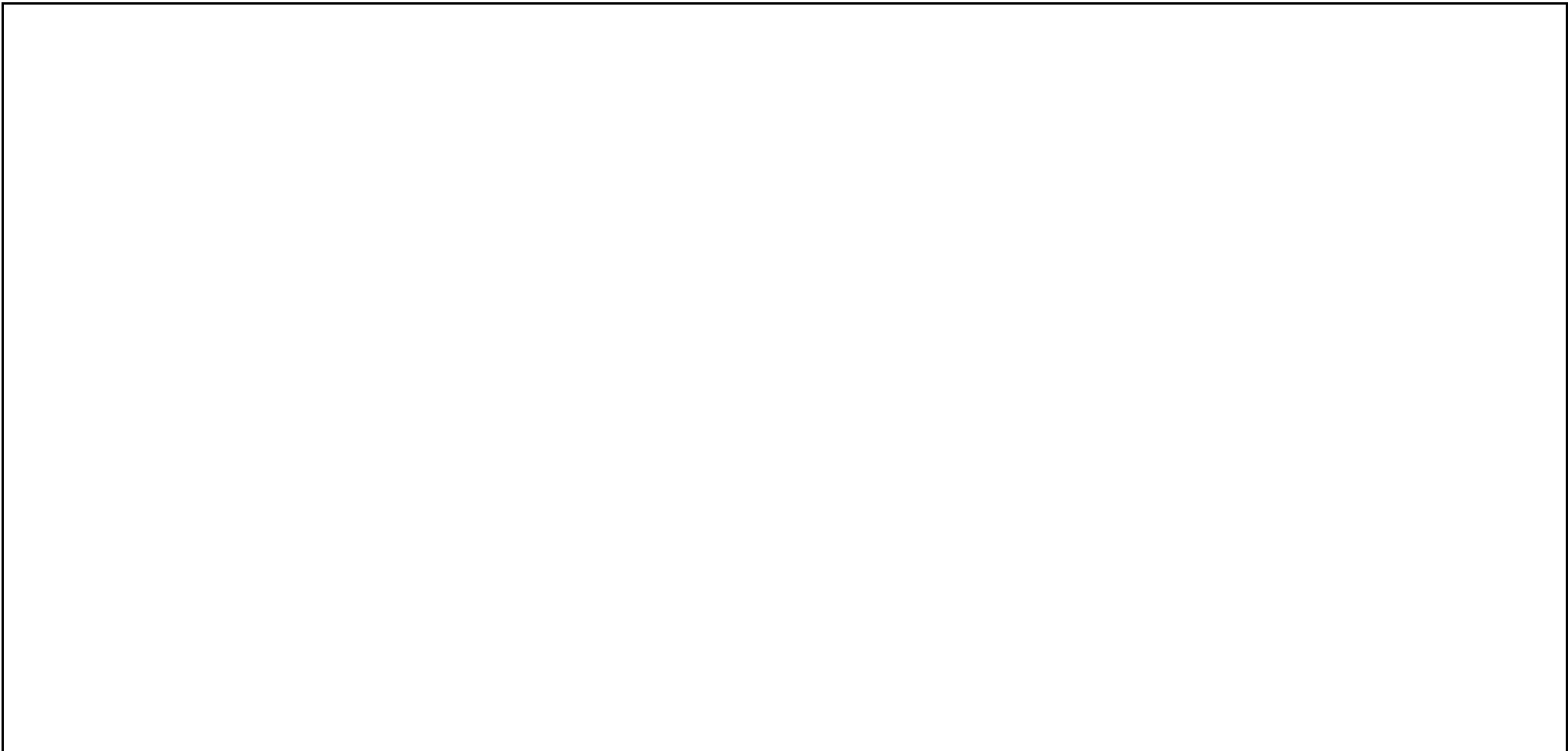
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264	2573	Terminal local model enhancements	Rel5	[Bar]				[Bar]											
265	1536	Location Services enhancements [in progress]	NA	[Bar]															
266	1600	UE positioning [in progress]	NA	[Bar]															
268	2474	UE positioning enhancements 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	Event based and Periodic LCS	Rel5	[Bar]				[Bar]			[Bar]								
276	2436	Location Services for GERAN in A/Gb Mode	Rel5	[Bar]				[Bar]											
281	2442	Location Services for GERAN in lu Mode	Rel5	[Bar]				[Bar]			[Bar]								
289	32001	Enhanced support for user privacy and subscriber data handling	Rel5	[Bar]				[Bar]											
299	35008	Charging and OAM&P for LCS enhancements	Rel5	[Bar]				[Bar]			[Bar]								
300	521	New security aspects of LCS (not identified)	Rel5	[Bar]				[Bar]											
301	32011	Specification for the Le Interface	Rel5					[Bar]											
302	32012	Support of the Presence Service Architecture	Rel5					[Bar]											
303	1800	(U)SIM toolkit enhancements [in progress]	NA	[Bar]				[Bar]			[Bar]								
304	1801	Protocol Standardisation of a SIM Toolkit Interpreter	Rel5	[Bar]				[Bar]			[Bar]								
308	1802	UICC API	NA	[Bar]				[Bar]			[Bar]								
309	2031	C SIM API	Rel5	[Bar]				[Bar]			[Bar]								
312	1571	Security enhancements [in progress]	NA	[Bar]				[Bar]			[Bar]			[Bar]					
313	1583	MAP application layer security	Rel4	[Bar]				[Bar]			[Bar]								
316	1594	CHECK STATUS - Visibility and Configurability of security	Rel5	[Bar]				[Bar]			[Bar]								
317	1576	Network domain security	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
325	2026	Enhanced HE control of security (including positive authenticatio	Rel6	[Bar]				[Bar]			[Bar]			[Bar]					
328	1861	Miscellaneous UE Conformance Testing Activities	NA	[Bar]															
329	1862	Optimisation of Test Time, RF Aspects (FDD)	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
330	1863	Optimisation of Test Time, RF Aspects (TDD)	Rel5	[Bar]				[Bar]			[Bar]			[Bar]					
336	1365	Support of Push Services	Rel6	[Bar]				[Bar]			[Bar]			[Bar]					
339	1142	Charging and OAM&P [in progress]	NA	[Bar]															
340	35002	Rel5 Principles, high level Requirements and Architecture	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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				Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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	Rel-4 Evolutions of the transport in the UTRAN	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	Rel-4 Evolutions of the transport in the CN	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	Rel-4 Improvements of Radio Interface	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	Conformance Test Spec. Rel-4 improvements in Radio Interface		[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	Rel-4 RAN improvements	NA	[Timeline bar with diamond marker in Q4 2001 and text 'Start Testing']															
685	655	Node B synchronisation for TDD	Rel4	[Timeline bar]															
686	2206	RAB support enhancement for Rel-4	Rel4	[Timeline bar]															
688	402102	Conformance Test Aspects - Rel-4 RAN Improvements		[Timeline bar with diamond marker in Q1 2002]															
690	2461	Testing RAB support enhancements-Robust Header Compression	Rel4	[Timeline bar]															
691	401652	Rel-4 Emergency call enhancements	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	Rel-4 OSA enhancements	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	Rel-4 Terminal interfaces	NA	[Timeline bar]															

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