3GPP Work Plan – Cover page

Version 2001, September 19th

Introduction

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

The last version of the Work Plan and all the related documents (cover page, PDF views, etc) are available at:
ftp://ftp.3gpp.org/information/work_plan

For comments on a given WI, contact the MCC support of the given WI's responsible WG/TSG (mapping "WG/TSG to MCC support" and MCC e-mail addresses available at: http://www.3gpp.org/About_3GPP/structure.htm).
For comment on a Feature, contact the feature's responsible MCC support.
For general comments, contact Alain Sultan at: alain.sultan@etsi.fr, mentioning in the e-mail subject "General comment on the Work Plan".

Specific comments for this version

Main changes between version July 11th and September 19th

Inputs have been received from:
T1, T2, RAN1, RAN2, RAN3, RAN4, SA2, SA4, CN1, CN2, CN3, CN4, GERAN

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

GERAN has deeply restructured its activities, proposing many new Building Blocks[1].

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

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

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

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

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

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

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

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

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

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

Comments

The following Features need to be restructure:

- VHE/OSA

Detailed changes

The detailed changes are provided in the “notes” field of the modified WIs.

General recurrent information

This paragraph contains recurrent information provided to the reader not familiar with the 3GPP Work Plan.

General description

The Work Plan is a living document, aiming at providing co-operations between all the 3GPP TSGs and WGs to help them reaching common targets.
These targets are called "**Features**", and are new or substantially enhanced functionality which represents added value to the existing system. A feature should normally embody an improved service to the customer and / or increased revenue generation potential to the supplier. The features are divided into "**Building Blocks"**, a BB being a set of technical functionality which would generally be expected to reside in a single system element, i.e. a single physical or logical entity or a single protocol. The Building Blocks are divided into "**Work Tasks"**, a WT being by definition handled by a single Working Group. The output of a work task is the creation of one or more new Technical Specifications (or Reports) and / or Change Requests to existing TSs / TRs.
These definitions are extracted from SP-000109.

This tree structure is established to ease the monitoring of the 3GPP work progress for R00, and to make explicit the purpose of the work assigned to one WG in the global system.

A **Work item** is a generic term to refer to a *feature*, *building block* or *work task*, i.e. all the lines of the Work Plan are work items. A full description of the a work item can be found in the 3GPP Working Procedures, available at http://www.3gpp.org/About_3GPP/3gpp_wp.zip .

The Work Plan is provided in the form of a Gantt chart: the left part contains the names and attributes of the Work Items, the right part contains a calendar view reflecting the work progress (blue and grey lines apply to foreseen tasks, black lines for completed tasks).
The indentation of WI names reflects the hierarchical level in the tree structure (Features, Building Blocks, and Work Tasks).
A "Tracking Gantt" is used (since version 2001, July the 11th) instead of the "simple" Gantt used before. This means that bellow each Gantt line (horizontal blue line in the right part of the document), there is a thin horizontal black line showing the previously foreseen start and end dates. This enables tracking the slipping of dates. This is reset after each plenary.

Attributes applicable to a WI

From the Work Plan perspective, a WI is fully characterised by the following set of attributes:

1. Unique ID
2. Name
3. Release (based on the completion date). It applies to non-splitable features. If the feature is splitable, it applies to each individual Building Block composing the feature, provided that the Building Blocks are non-splitable. It does not apply to Feasibility Studies, Testing nor Charging Activities.
4. Splitable: defines whether the WI has to be considered as a single block or if it can be realised onto different releases
5. Acronym
6. Resource name: defines the responsible WG or TSG
7. Modified (see next section)
8. Modified since last TSG (see next section)
9. Start
10. Finish
11. % completed
12. Impacted TS and TR
13. Approval Level: MCC<CHAIR<WG<TSG. Each level can delete the proposal from the levels bellow. Only TSG Approved Wis are officially approved. All the other Wis are proposals, more or less stable according to the approval level.
14. Last modif, containing the date of the last modification. Note: this field has been recently added. The value has been initialised to April, 1st.
15. Hyperlink (to the proposed/approved WI coversheet)

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

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

How the changes on the Work Plan are tracked?

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

Global level

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

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

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

Detailed level

The detailed level is a set of comments provided in the "notes" field text of each modified WI (a WI is identified by its Unique ID).
Even at the "detailed level", not all the modifications have to be mentioned: some fields are by nature subject to constant updates (e.g. "% completed"), so it would be a waste of time to keep track of these changes.
The fields subject to change tracking are the following ones:

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

The other ones -listed bellow- are not subject of change tracking. Change tracking on these ones is up to the MCC responsible person. These are:

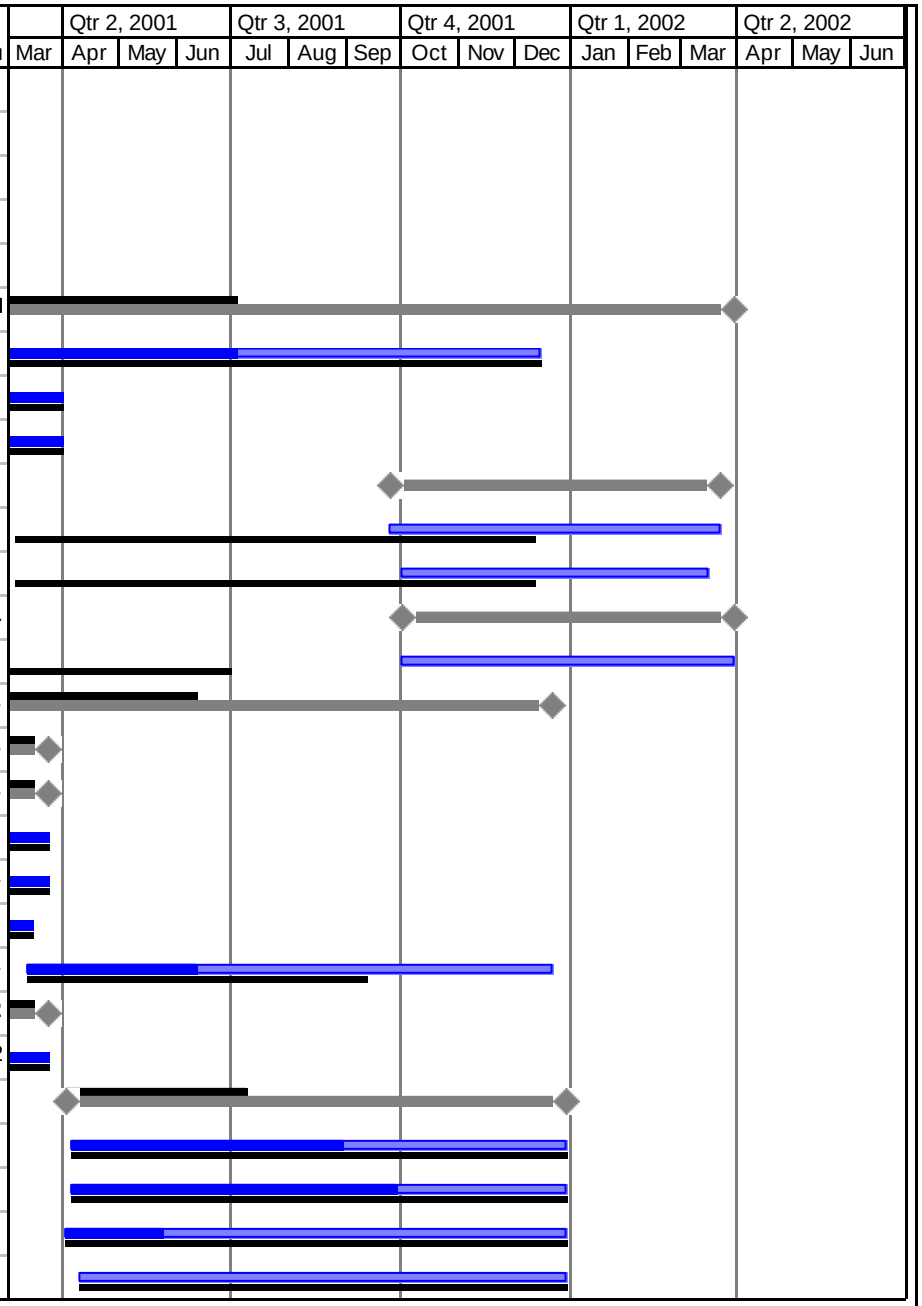
- % completed
- Impacted TS and TR
- Level of Approval (MCC<CHAIR<WG<TSG).
- Hyperlink (to the proposed/approved WI coversheet)
- WI rapporteur name
- WI rapporteur e-mail
- MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
- Notes (free field).
- Start date

The detailed level is updated each time a line is modified or created. In addition, a new field called "last modif" has been created (initialised to April, 1st) to provide the date of the latest modification of the WI.

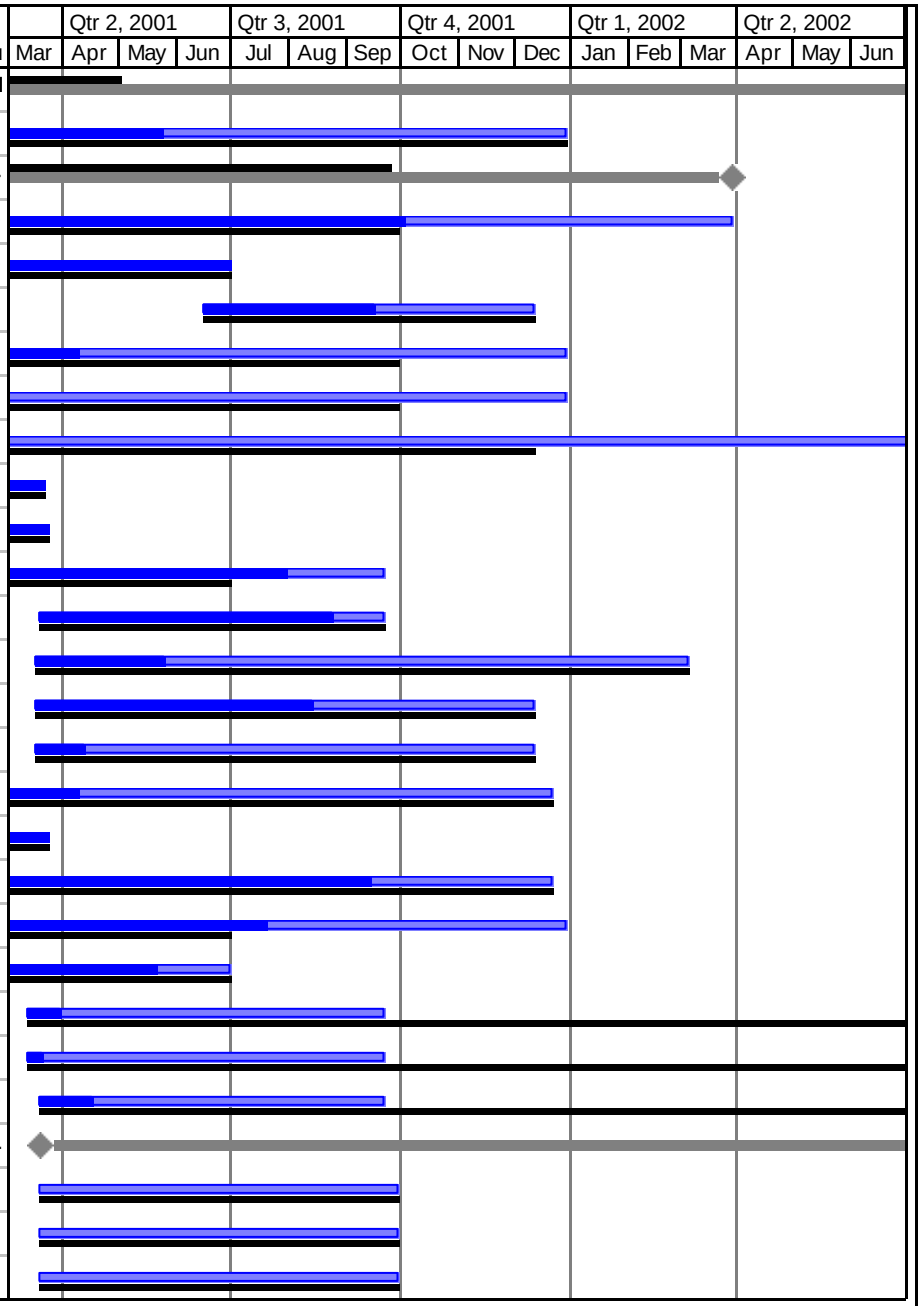
History

This section is reset after each plenary meeting.

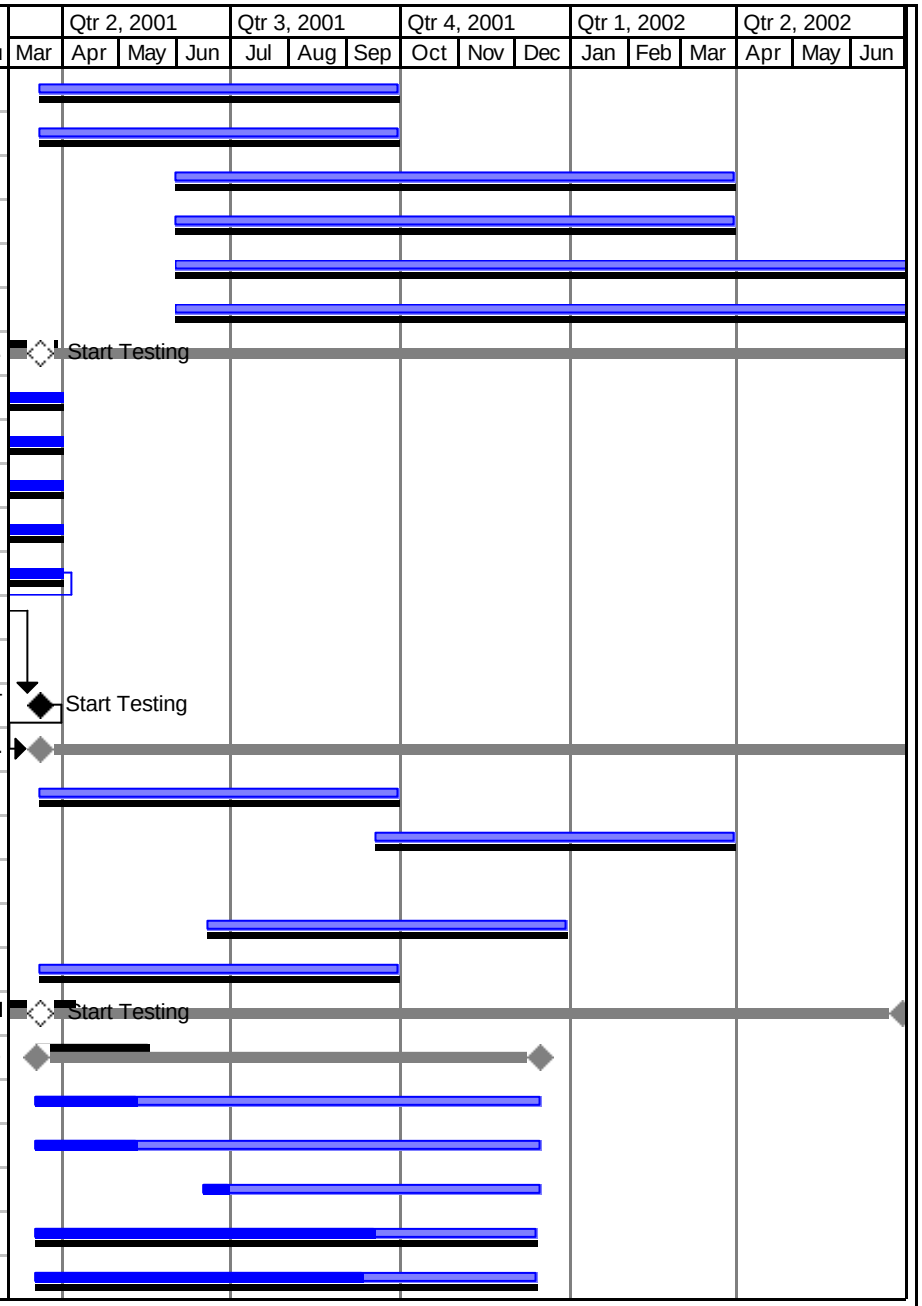
ID	Unique_ID	Name	Release	Splita	Resou
1	2044	**VERSION 2001 September 19th**		No	
2	1462	**"CTRL + a" to display all the 3GPP fields**		No	
3	2058	**Content of Rel4 frozen. Rel5 and after not frozen.**		No	
4					
5	96			No	
6	**2**	**Evolutions of the transport in the UTRAN**	**NA**	**Yes**	**G RAN**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



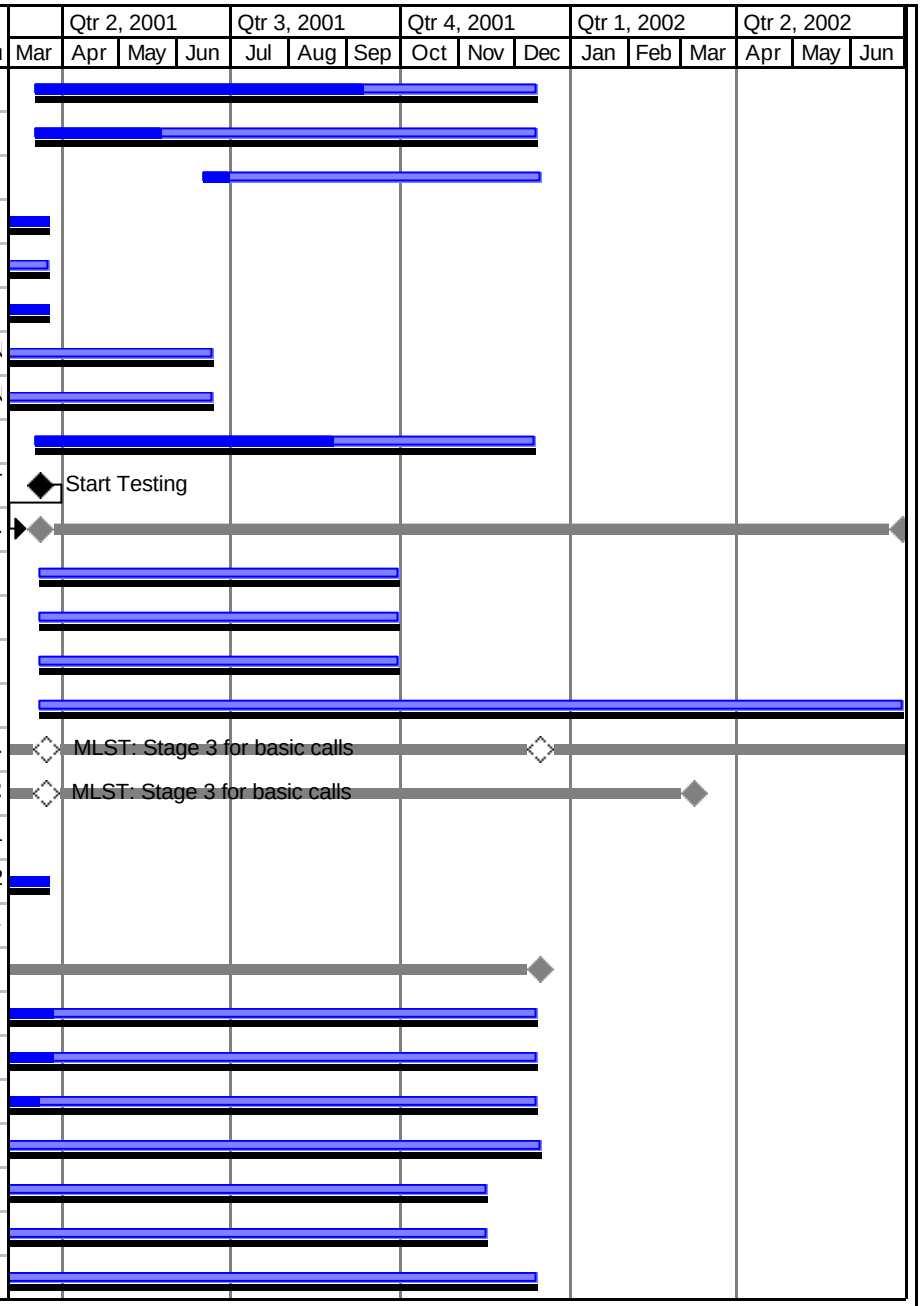
ID	Unique_II	Name	Release	Splita	Resou
29	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**3 RAN**
30	1470	**Improvement of inter-frequency and inter-system meas**	Rel5	No	RAN1
31	**1471**	**Base station classification**	**Rel5**	**No**	**RAN4**
32	1476	FDD Base station classification		No	RAN4
33	1477	TDD Base station classification		No	RAN4
34	24002	Base Station Classification for 1.28 Mcps TDD option		No	RAN4
35	1217	**Hybrid ARQ II/III**	Rel5	No	RAN2
36	1218	**Improved usage of downlink resource in FDD for CCTrC**	Rel5	No	RAN2
37	1507	**Terminal Power Saving features**	Rel5	No	RAN2
38	1509	**UTRA repeater specification (master)**	Rel4	No	RAN4
39	1994	**DSCH power control improvement in soft handover**	Rel4	No	RAN1
40	1996	**UMTS 1800**	Rel4	No	RAN4
41	2467	**UMTS 1900**	Rel5	No	RAN4
42	2468	**Multiple Input Multiple Output antennas (MIMO)**	Rel6	No	RAN1
43	2469	**Enhancement on the DSCH hard split mode**	Rel5	No	RAN1
44	2471	**FS on Fast Cell Selection (FCS) for HS-DSCH**	Rel5	No	RAN1
45	1506	**FS on Radio link performance enhancements**	Rel5	No	RAN1
46	1219	**FS on High Speed downlink packet access**		No	RAN2
47	1221	**FS on USTS**	Rel5	No	RAN1
48	1510	**FS on improved common DL channel for Cell-FACH stat**		No	RAN2
49	1997	**FS on UE antenna efficency test method performance r**	Rel5	No	RAN4
50	2494	**FS on the re-introduction of the downlink SIR measurer**	Rel5	No	RAN4
51	24001	**FS on UTRA WideBand Distribution Systems**	Rel5	No	RAN4
52	2493	**FS on mitigating the effect of CPICH interference at the**	Rel5	No	RAN4
53	**1839**	**Conformance Test Spec. improvements in Radio Interfa**		**No**	**NG T1**
54	2210	Testing improvement of inter-frequency and inter-system measurem		No	NG T1
55	2211	Testing Hybrid ARQ II/III		No	NG T1
56	2212	Testing Improved usage of downlink resource in FDD for CCTrCHs c		No	NG T1



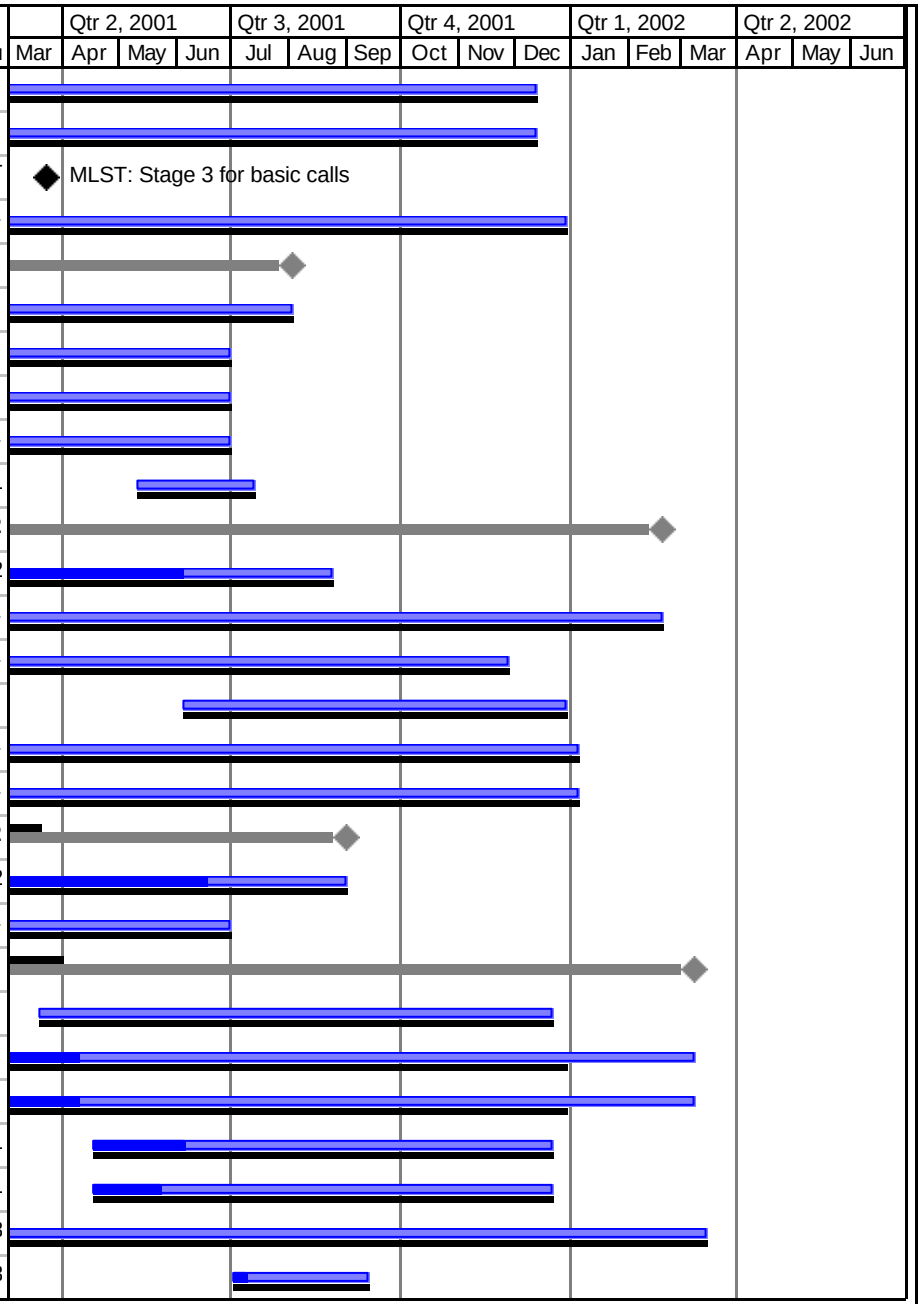
ID	Unique_ID	Name	Release	Splita	Resou
57	2213	Testing Terminal Power saving features		No	/G T1
58	2214	Testing DSCH power control improvement in soft handover		No	/G T1
59	2215	Testing UMTS 1800		No	/G T1
60	41000	Testing UMTS 1900		No	/G T1
61	2561	Testing UMTS 1800 - TTCN		No	/G T1
62	41001	Testing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



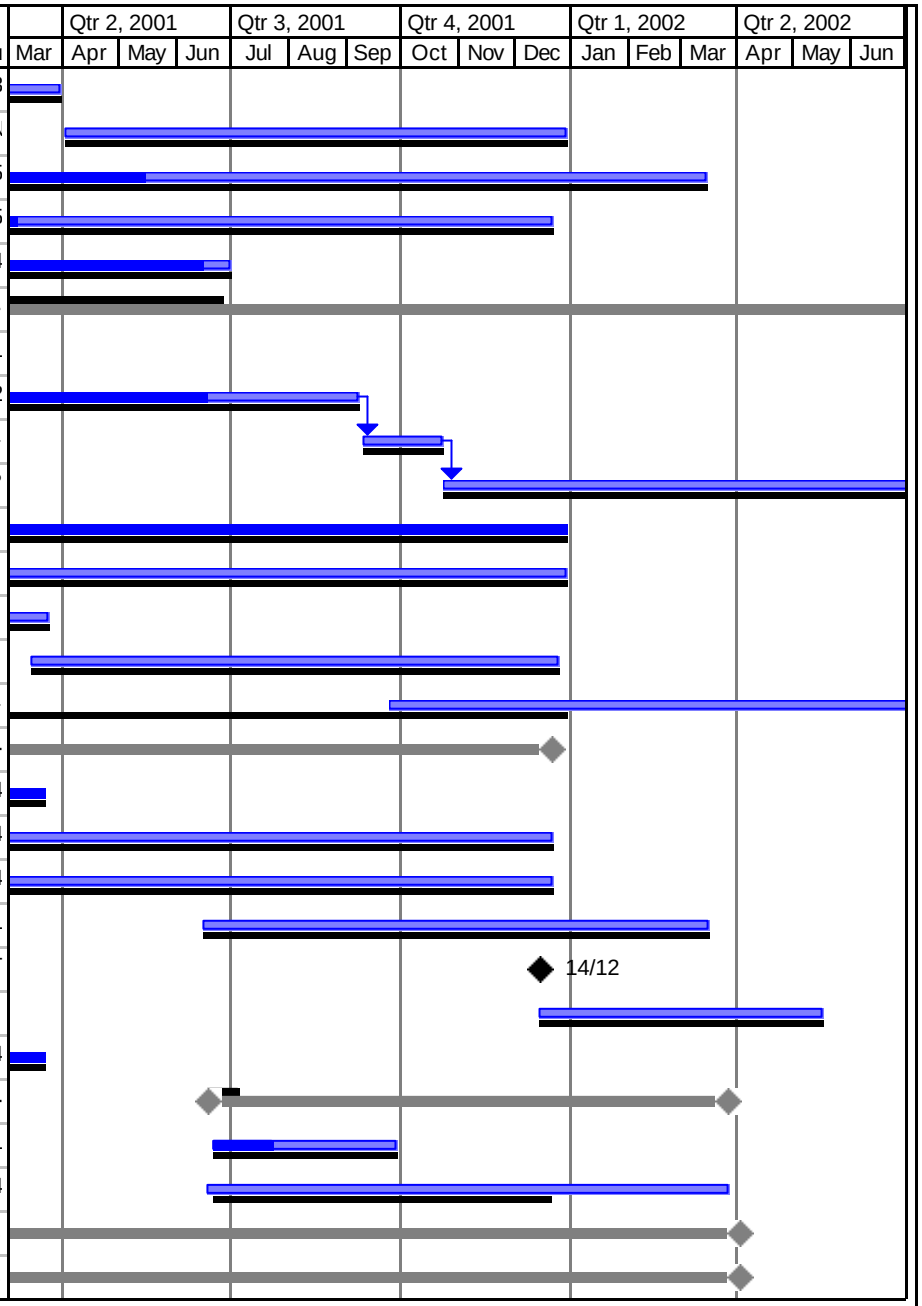
ID	Unique_ID	Name	Release	Splita	Resou
85	2490	**Improvement of Radio Resource Management across R**	Rel5	No	RAN3
86	2491	**Re-arrangements of Iub transport bearers**	Rel5	No	RAN3
87	23003	**SRNS Relocation Procedure Enhancement**	Rel5	No	RAN3
88	655	**Node B synchronisation for TDD**	Rel4	No	RAN1
89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



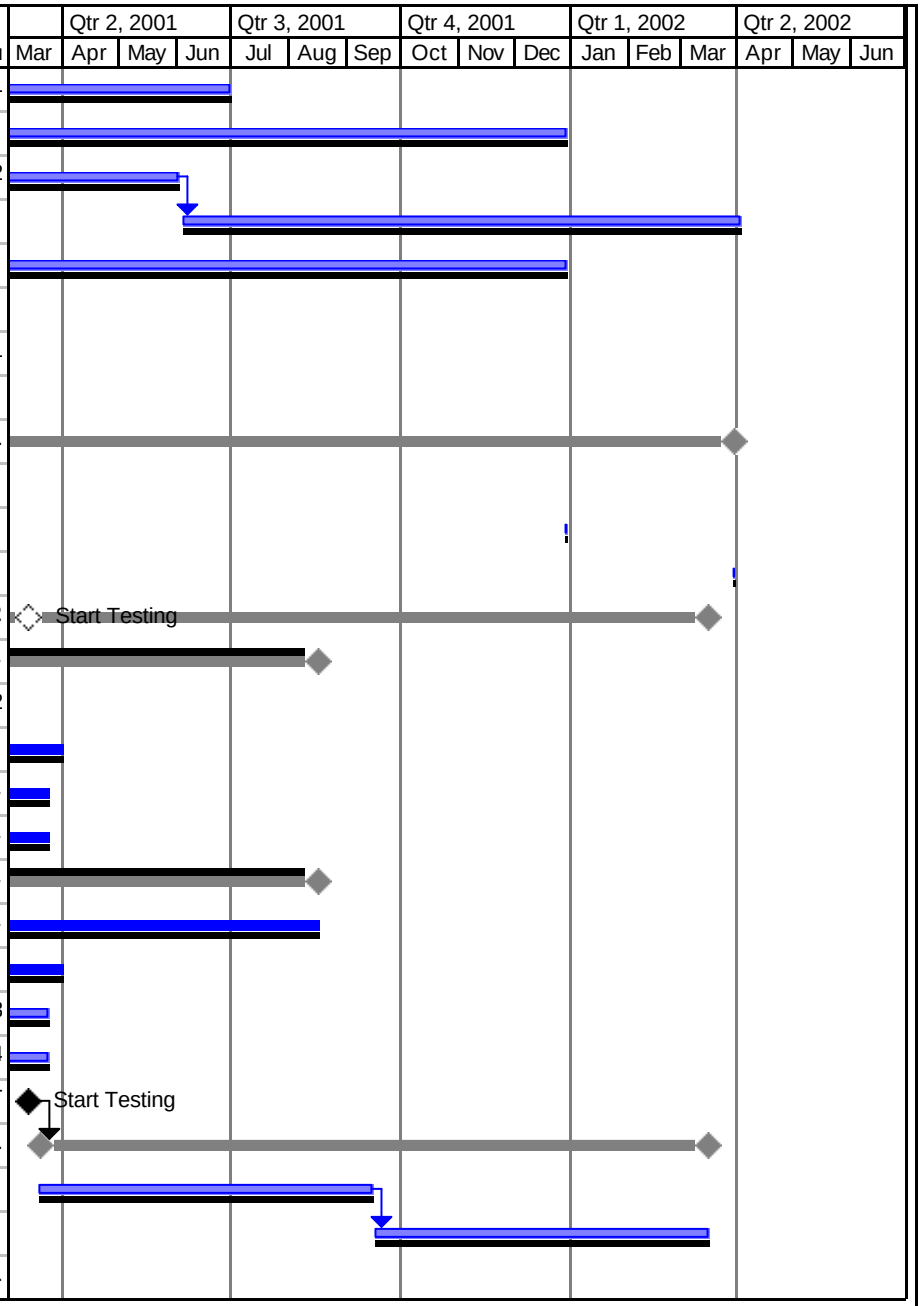
ID	Unique_II	Name	Release	Splita	Resou
113	2525	IETF: draft-ietf-sip-call-auth-01 (SIP extensions for media autho		No	G CN1
114	2526	IETF: draft-roach-sip-subscribe-notify-03 (Event Notification in S		No	G CN1
115	1673	MLST: Stage 3 for basic calls		No	MLST
116	1280	SIP SS and relationship to Mg, Mw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



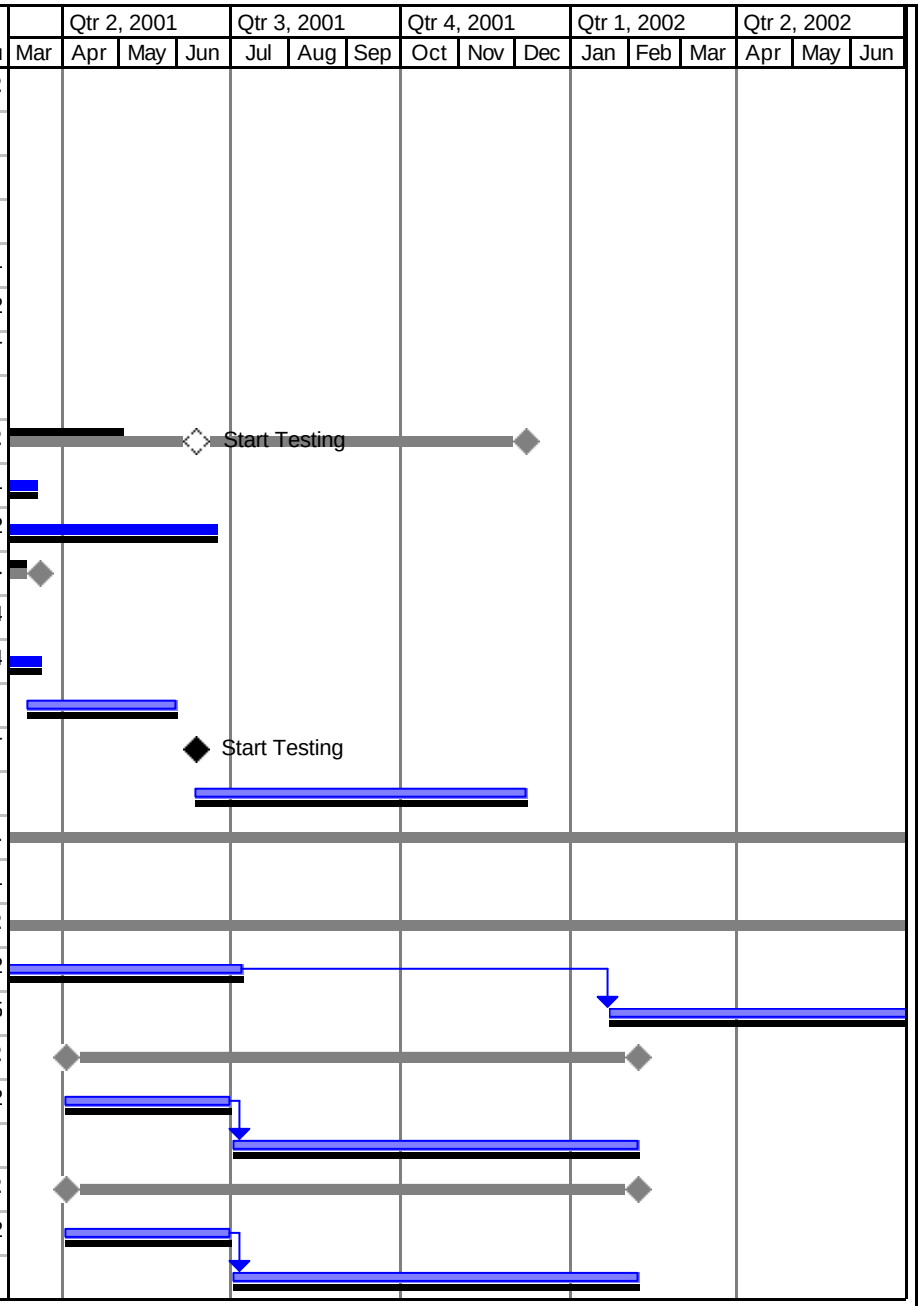
ID	Unique_ID	Name	Release	Splita	Resou
141	1299	**Lawful interception**		No	G SA3
142	1300	**RAN improvements and evolution of the bearers on the**		No	G RAN
143	2242	**Charging Management for IMS**		No	G SA5
144	1303	**(copy) Charging and OAM&P**		No	G SA5
145	1598	**(Copy) AMR-WB**		No	G SA4
146	**1305**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



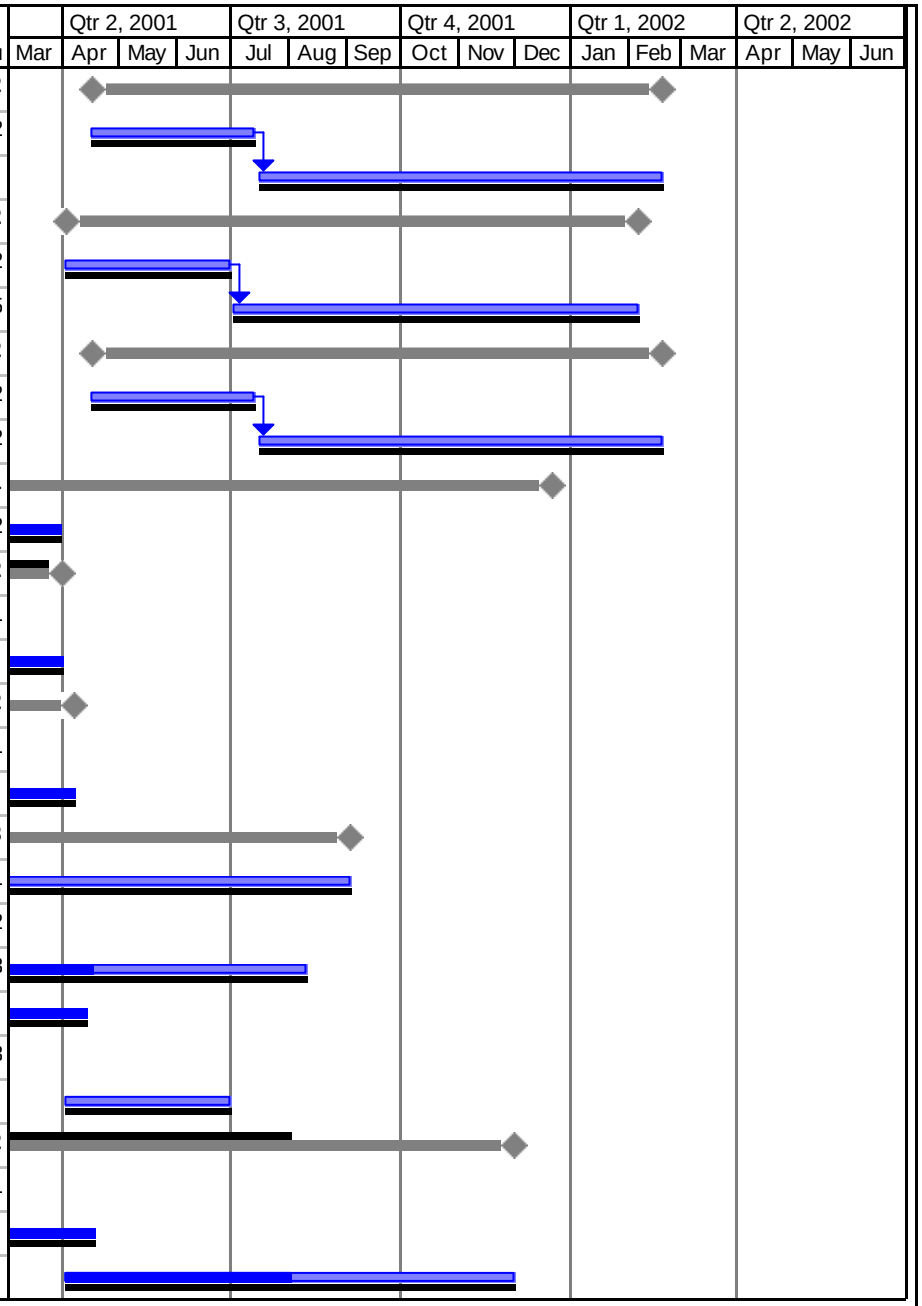
ID	Unique_ID	Name	Release	Splita	Resou
169	1314	Service Requirements for IP-based emergency calls		No	G SA1
170	1315	SIP emergency calls and packet emergency calls signalling flowsl		No	G CN1
171	1316	Stage 2 for emergency calls and packet emergency calls in general		No	G SA2
172	1317	Distinction of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



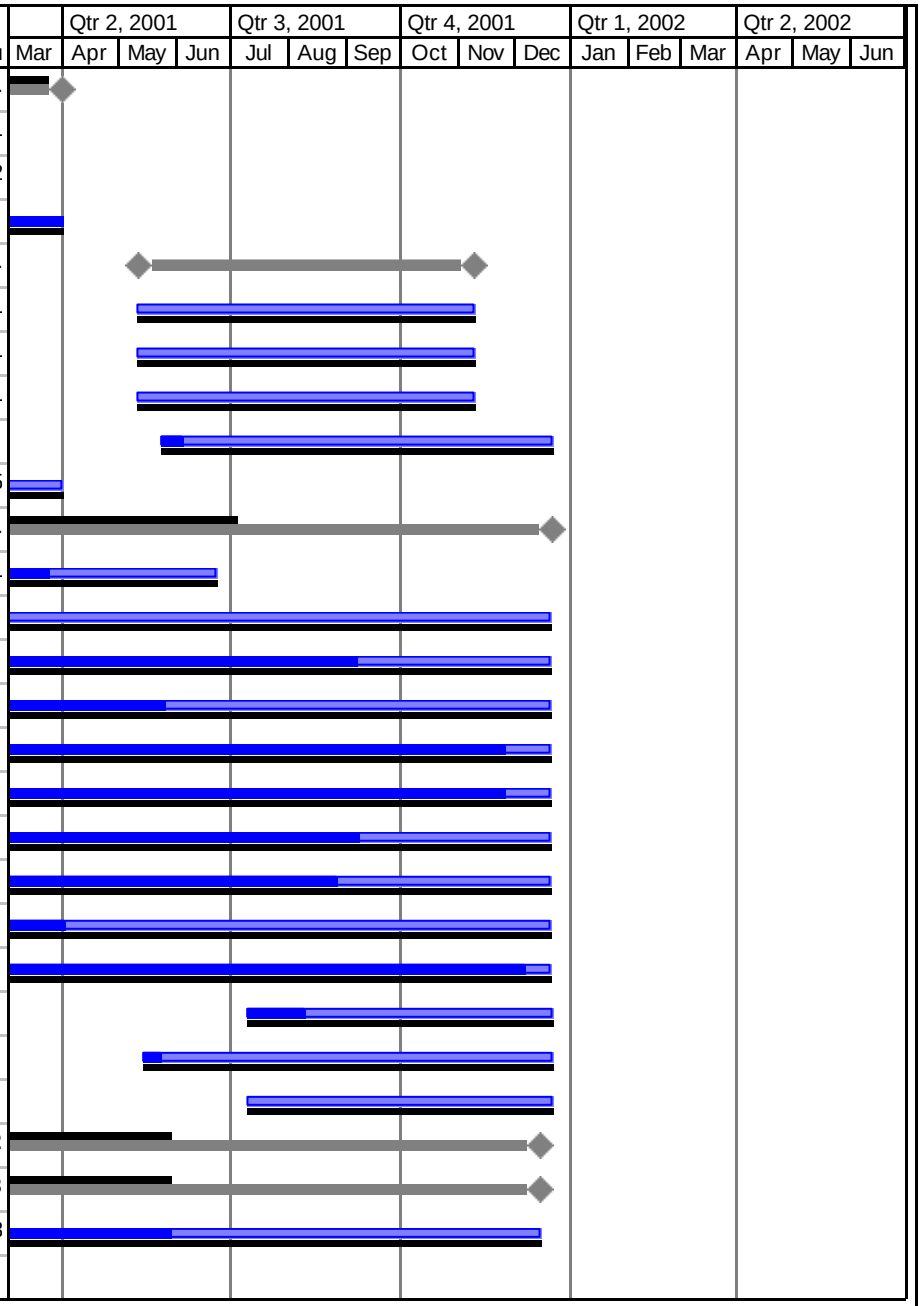
ID	Unique_II	Name	Release	Splita	Resou
197	**1341**	**Real Time Fax**		**No**	**G SA2**
198	1808	Terminal capabilities, AT commands		No	/G T2
199	1343	Signalling aspects (e.g. ICM)		No	G CN1
200	1648	Service provision		No	G CN3
201	1345	Review whether service/stage 1 aspects need to be aligned		No	G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



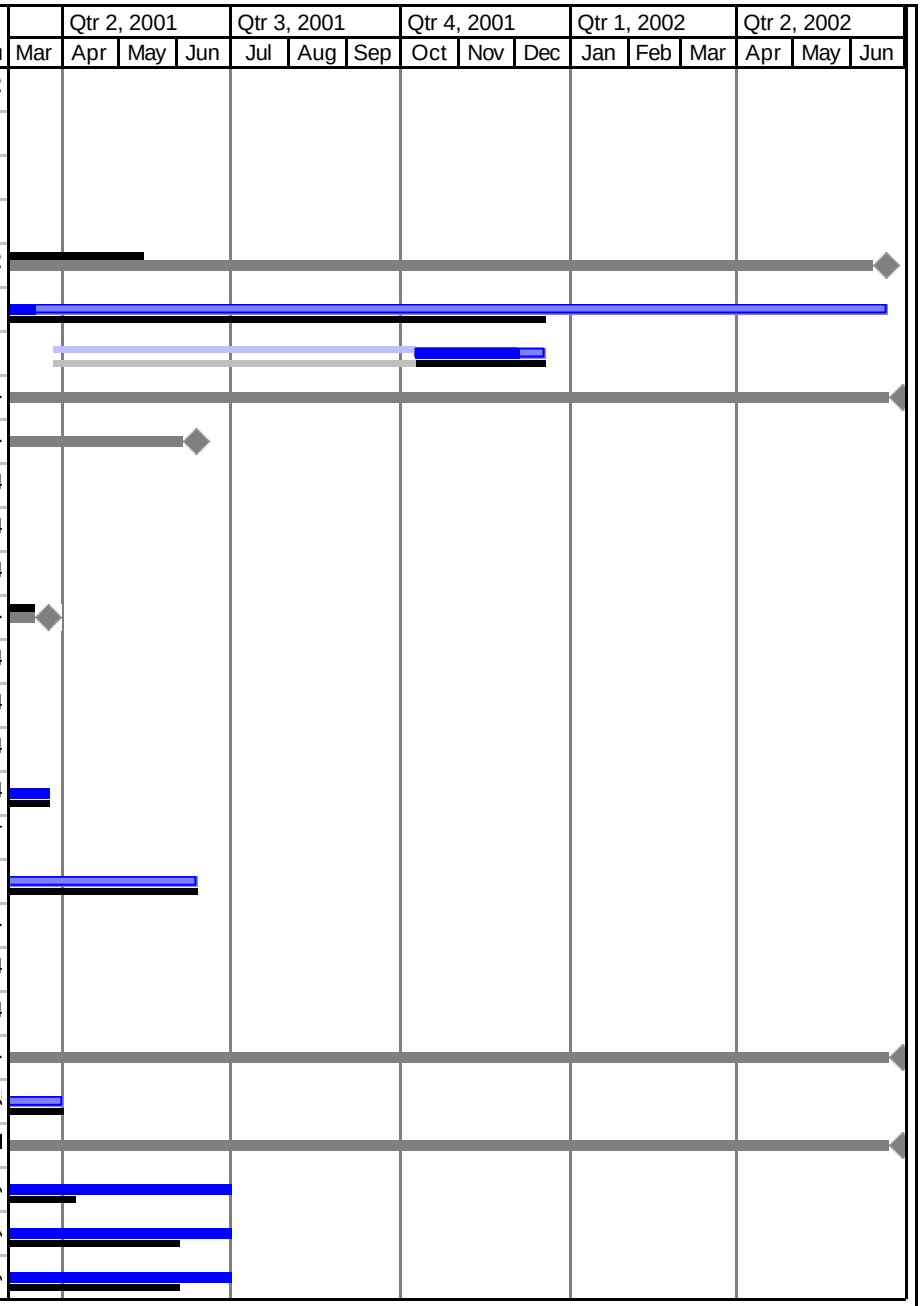
ID	Unique_II	Name	Release	Splita	Resou
225	**2112**	**Transparent roaming for services**	**Rel5**	**No**	**G SA2**
226	2114	Stage 2		No	G SA2
227	2115	Stage 3 (wait for stage 2)		No	
228	**2532**	**Charging**	**Rel5**	**Yes**	**G SA2**
229	2533	Stage 2		No	G SA2
230	2534	Stage 3		No	G SA5
231	**2535**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



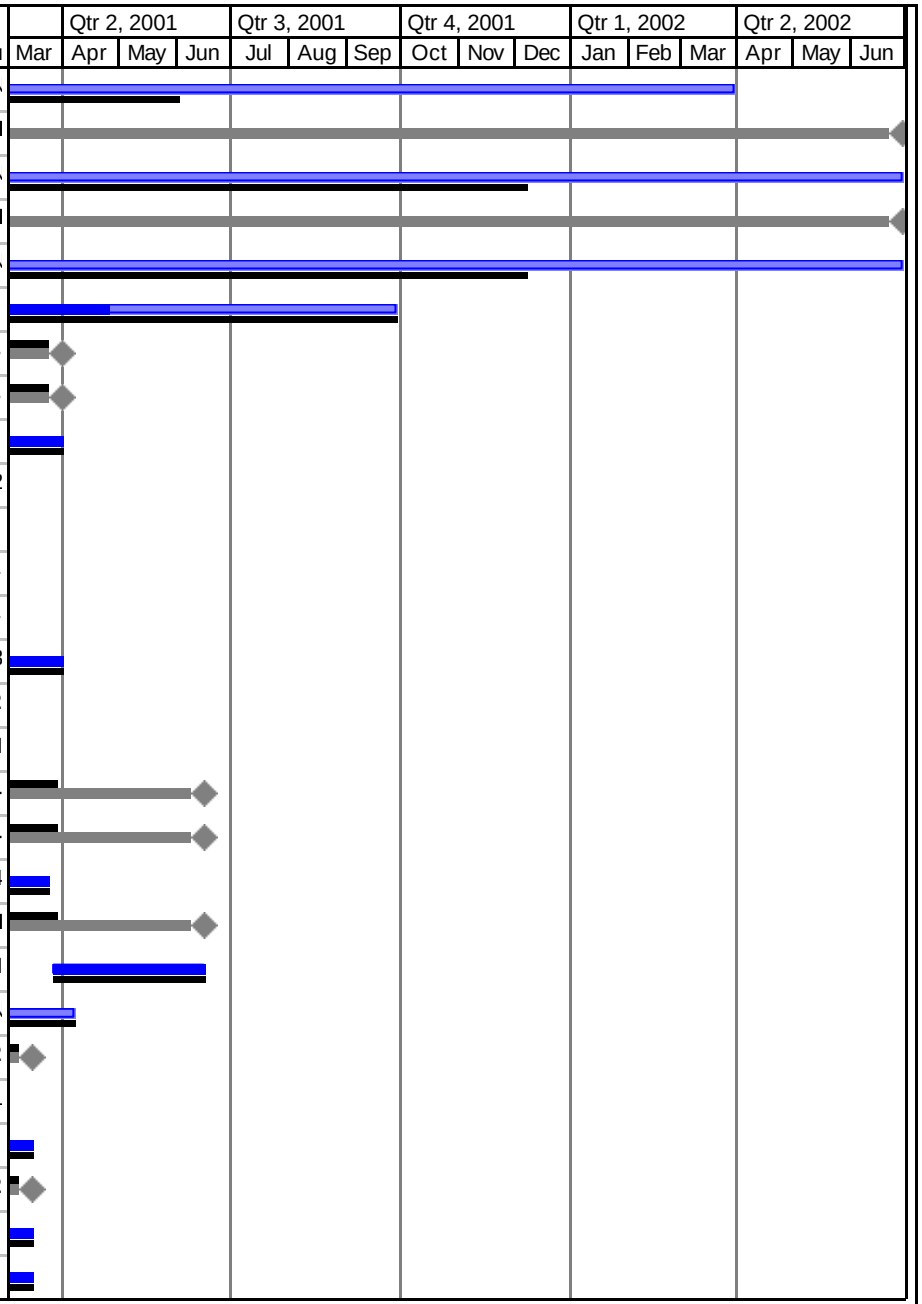
ID	Unique_ID	Name	Release	Splita	Resou
253	**1786**	**LCS - OSA interfaces**	**Rel4**	**No**	**G SA1**
254	1787	Stage 1		No	G SA1
255	2124	Stage 2		No	G SA2
256	1788	Stage 3		No	G CN5
257	**2538**	**Interaction with Rel-5 features**	**Rel5**	**No**	**G SA1**
258	2539	Access to Presence information		No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



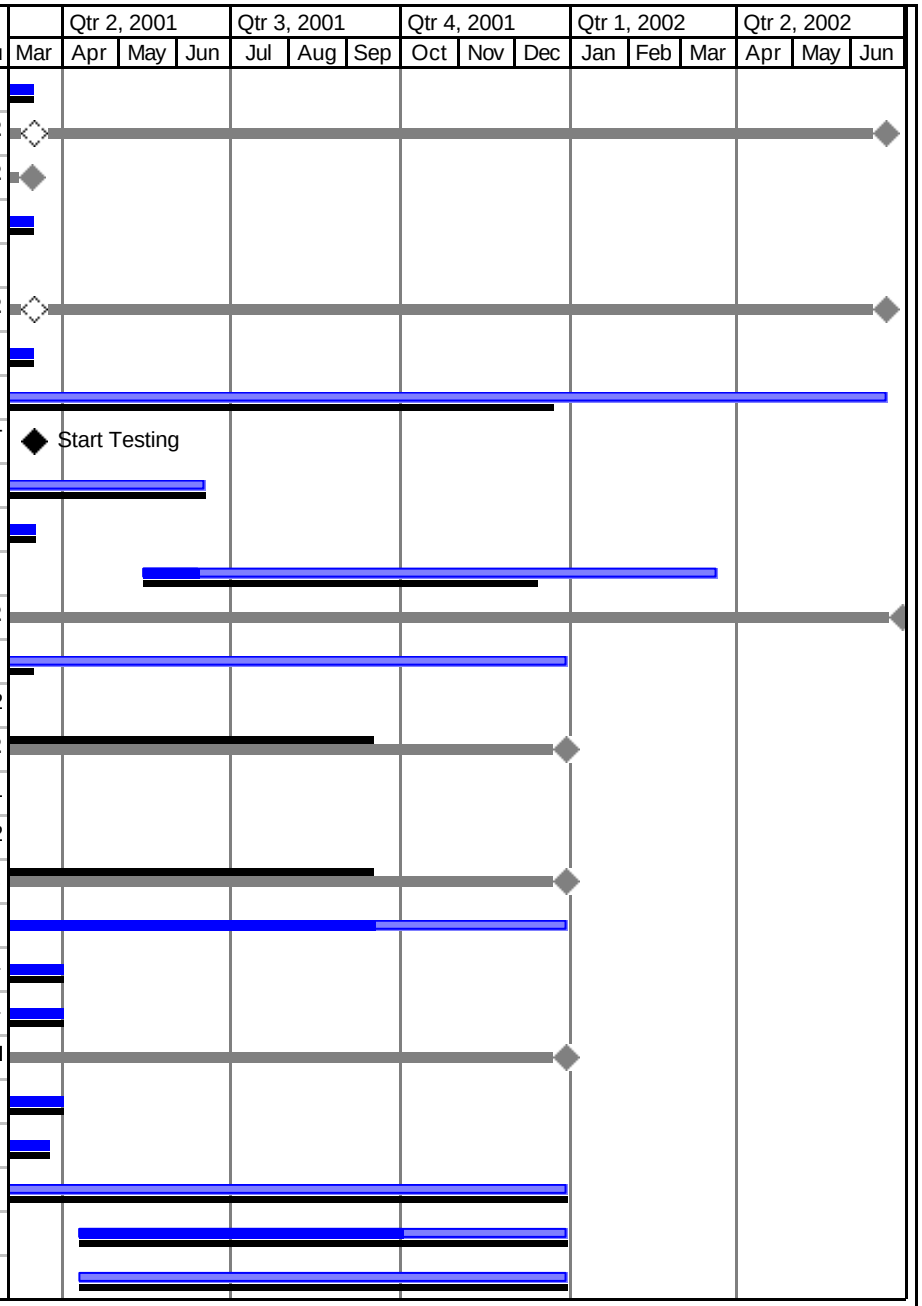
ID	Unique_ID	Name	Release	Splita	Resou
281	**1810**	**MExE Rel4 Improvements and Investigations**		**No**	**NG T2**
282	1812	3rd MExE classmark		No	NG T2
283	1814	FS on Secure download mechanism and capabilities to support SDR		No	NG T2
284	1815	FS on Support of MP3/MPEG4 content		No	NG T2
285	**2464**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



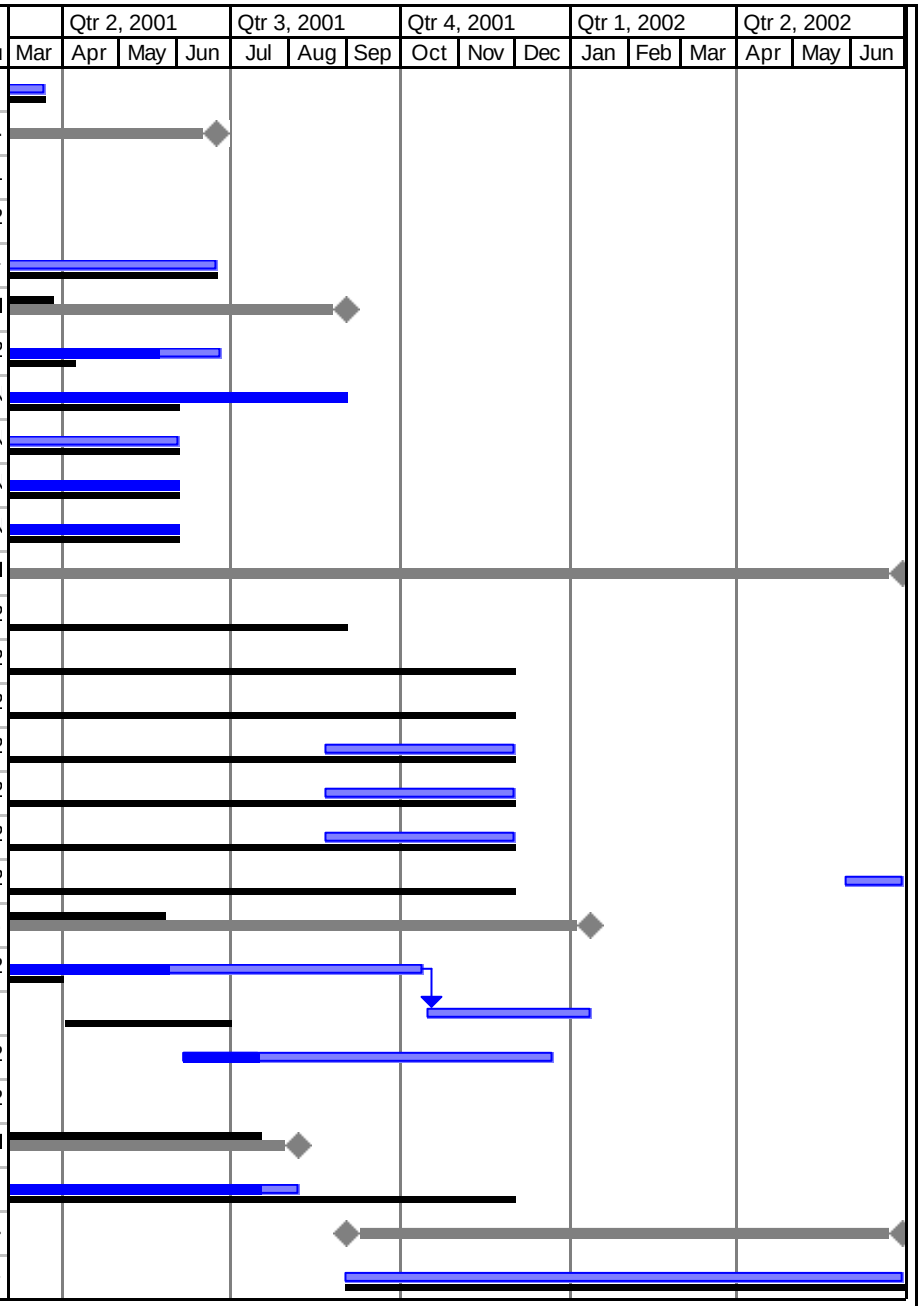
ID	Unique_ID	Name	Release	Splita	Resou
309	2268	Receiver performace in TS 45.005		No	GERAN
310	**2269**	GERAN MS conformance test for AMR-WB		**No**	**GERAN**
311	2270	MS test		No	GERAN
312	**2271**	GERAN BTS conformance test for AMR-WB		**No**	**GERAN**
313	2272	BTS test		No	GERAN
314	1656	In CN, see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



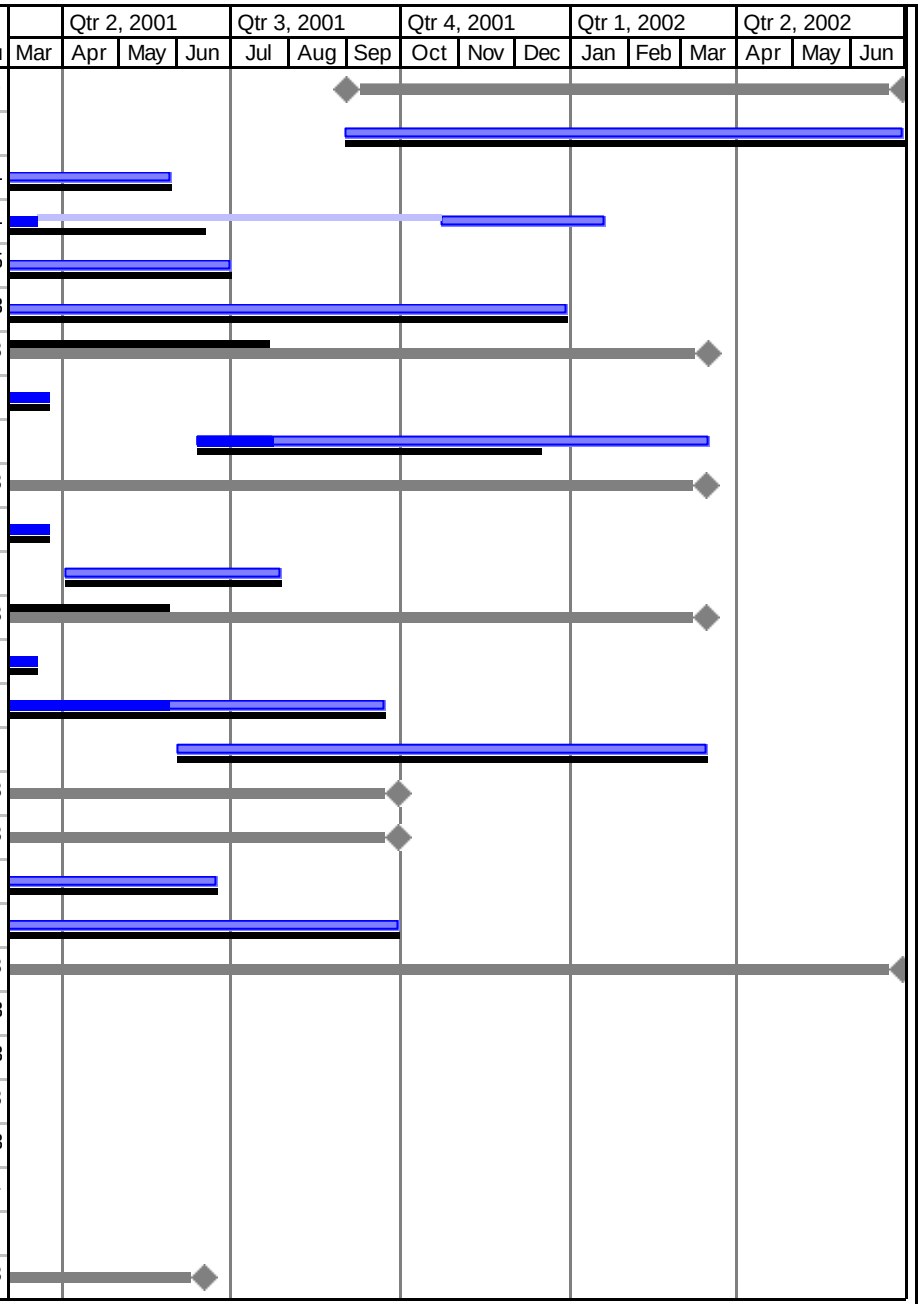
ID	Unique_ID	Name	Release	Splita	Resou
337	1823	Definition of MMS primitives in Stage 2		No	NG T2
338	**1826**	**Terminal interfaces**	**NA**	**Yes**	**NG T2**
339	**1827**	**AT commands enhancements**	**Rel4**	**No**	**NG T2**
340	1828	Specification of AT commands for new services		No	NG T2
341	1858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



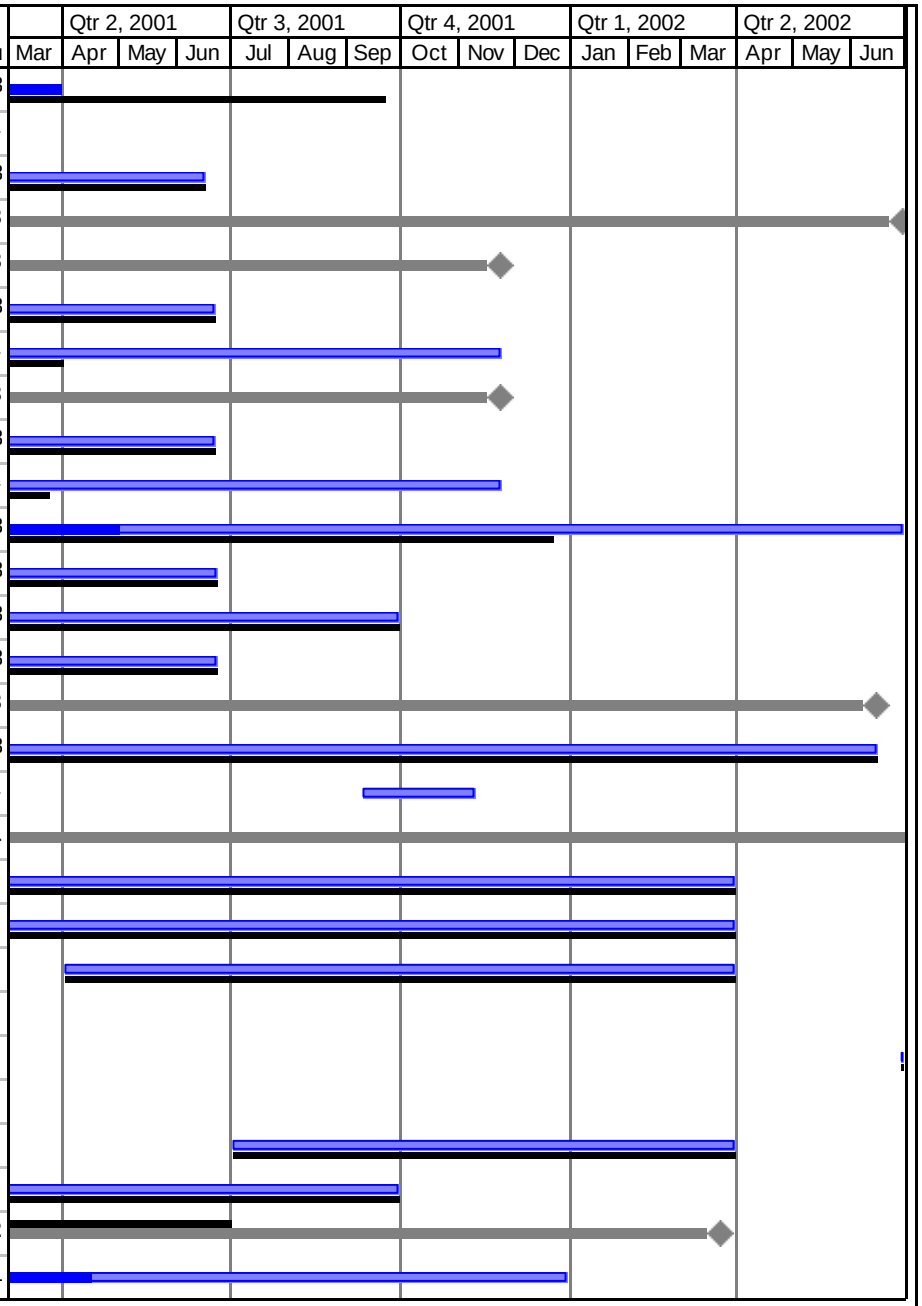
ID	Unique_ID	Name	Release	Splita	Resou
365	1603	(Copy) UTRA repeater specification		No	RAN4
366	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**G SA1**
367	1641	Stage 1		No	G SA1
368	1538	Stage 2 specification		No	G SA2
369	1179	Impact on MAP		No	G CN4
370	**2436**	**Location Services for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



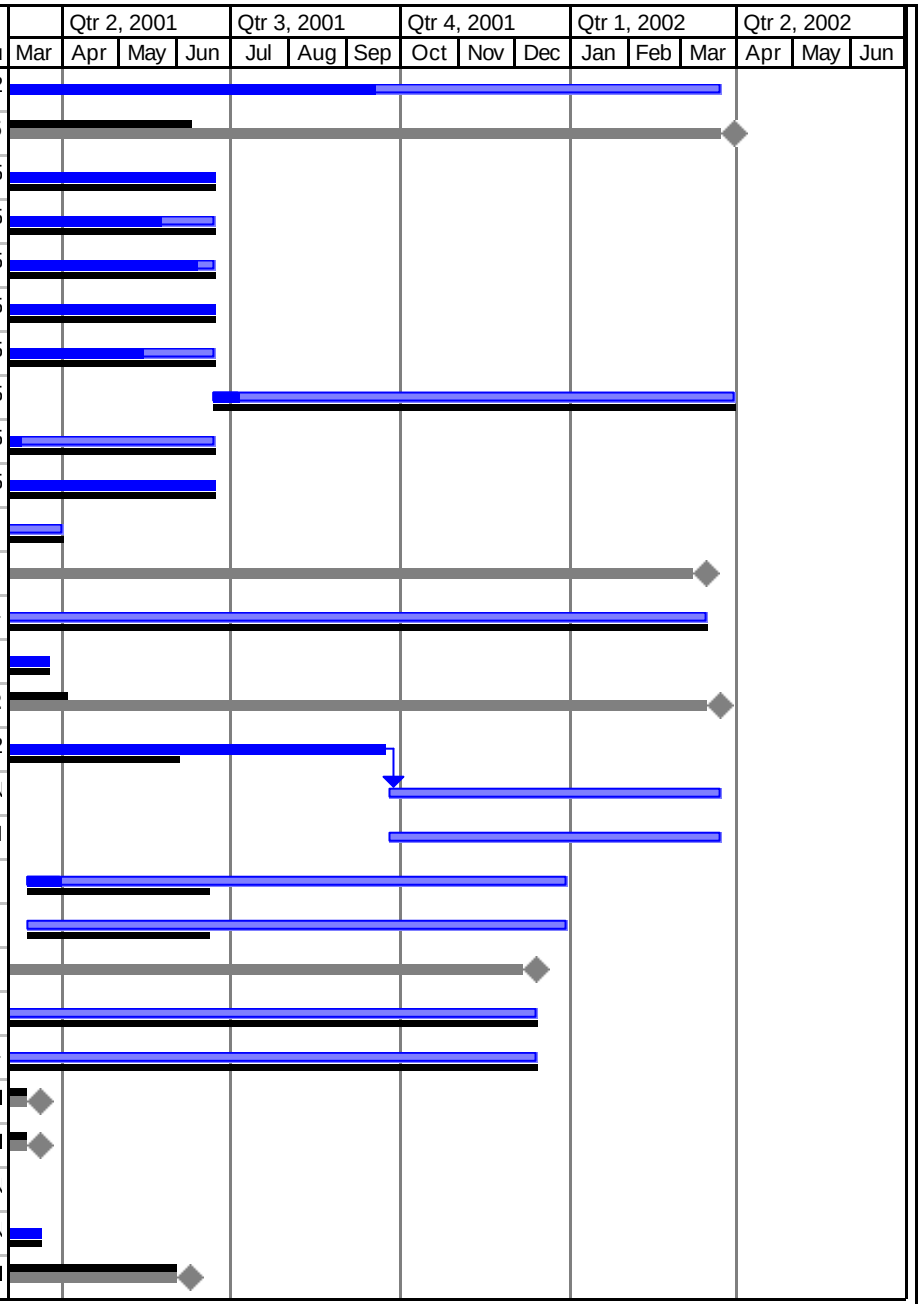
ID	Unique_ID	Name	Release	Splita	Resou
393	**2452**	**GERAN BTS Conformance test for LCS**		**No**	**ERAN3**
394	2453	BTS test		No	ERAN3
395	1796	**(Copy) LCS application interfaces (LCS-OSA)**		No	G SA1
396	1183	**FS on LCS support in the IMS**		No	G SA1
397	519	**(copy) Charging and OAM&P**	Rel5	No	G SA5
398	521	**New security aspects of LCS (not identified)**	Rel5	No	G SA3
399	**1560**	**UICC/(U)SIM enhancements and interworking**	**NA**	**Yes**	**NG T3**
400	1799	**Common PCN Handset Specification (CPHS)**	Rel4	No	NG T3
401	2517	**UICC/USIM Transport Protocol**	Rel5	No	NG T3
402	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**NG T3**
403	2034	**USAT local link**	Rel4	No	NG T3
404	1566	**Enhancements to (U)SIM toolkit secure messaging**	Rel5	No	NG T3
405	**1801**	**Protocol Standardisation of a SIM Toolkit Interpreter**	**Rel5**	**No**	**NG T3**
406	2497	Stage 1		No	NG T3
407	2496	Stage 2 and 3		No	NG T3
408	2518	Test specification		No	NG T3
409	**1802**	**UICC API**	**NA**	**Yes**	**NG T3**
410	**2031**	Multos API	**Rel5**	**No**	**NG T3**
411	2032	Specification		No	NG T3
412	2033	Test specification		No	NG T3
413	**1571**	**Security enhancements**	**NA**	**No**	**G SA3**
414	2099	**UE triggered authentication during connections**	Rel4	No	G SA3
415	1587	**Evolution of GSM CS algorithms (e.g. A5/3 developmen**	Rel4	No	G SA3
416	**1588**	**Evolution of GSM PS algorithms (e.g. GEA 2 deploymen**	**Rel4**	**No**	**G SA3**
417	1589	Main aspects		No	G SA3
418	1618	Impact on GTP		No	G CN4
419	1661	GEA capability indication in MS CM		No	G CN1
420	**1583**	**MAP application layer security**	**Rel4**	**Yes**	**G SA3**



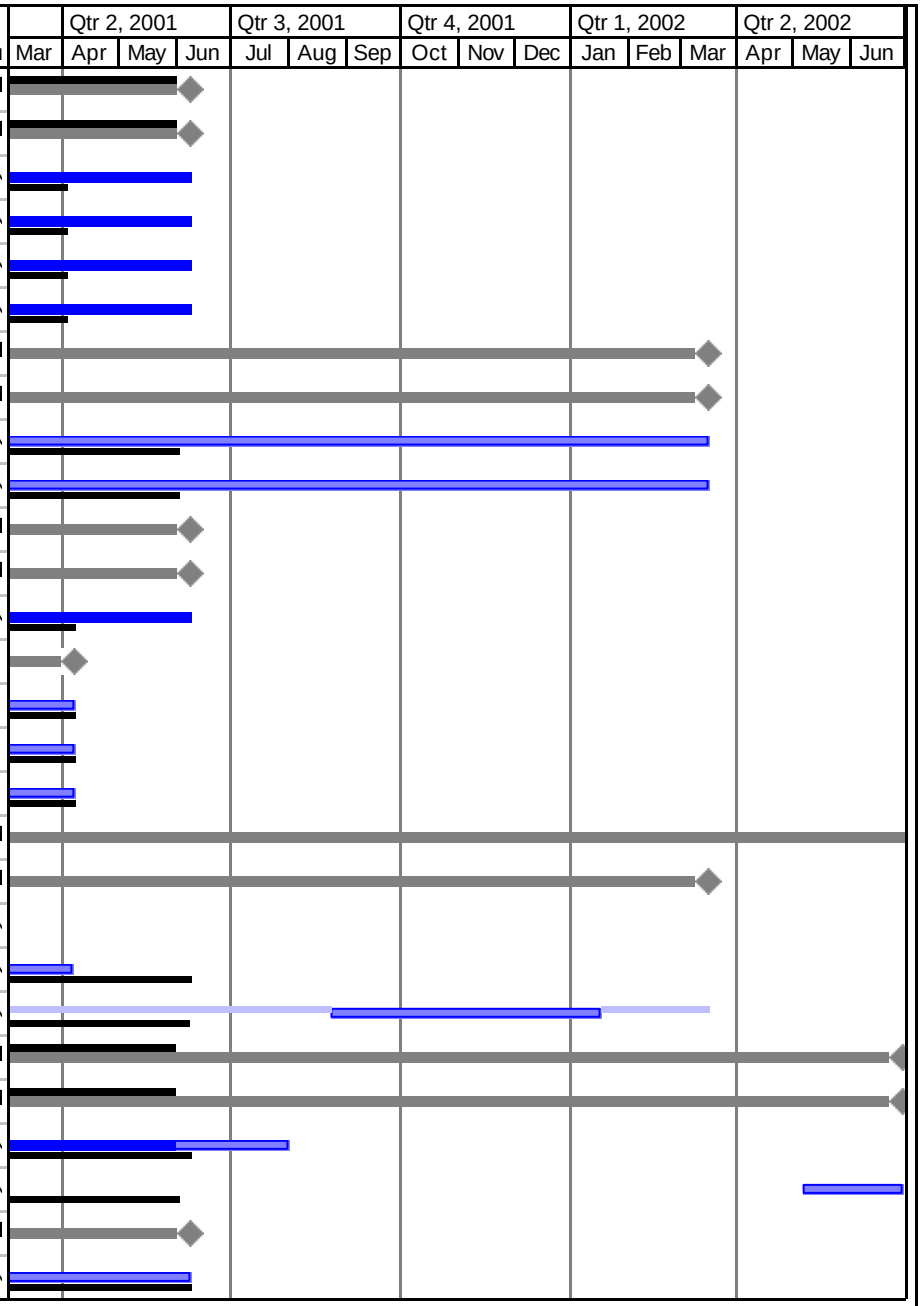
ID	Unique_ID	Name	Release	Splita	Resou
421	1584	Main aspects		No	G SA3
422	2025	Other stage 3 aspects		No	G CN4
423	1594	Visibility and Configurability of security	Rel4	No	G SA3
424	**1576**	**Network domain security**	**Rel5**	**Yes**	**G SA3**
425	**1577**	Control plane protection in core network (e.g.,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



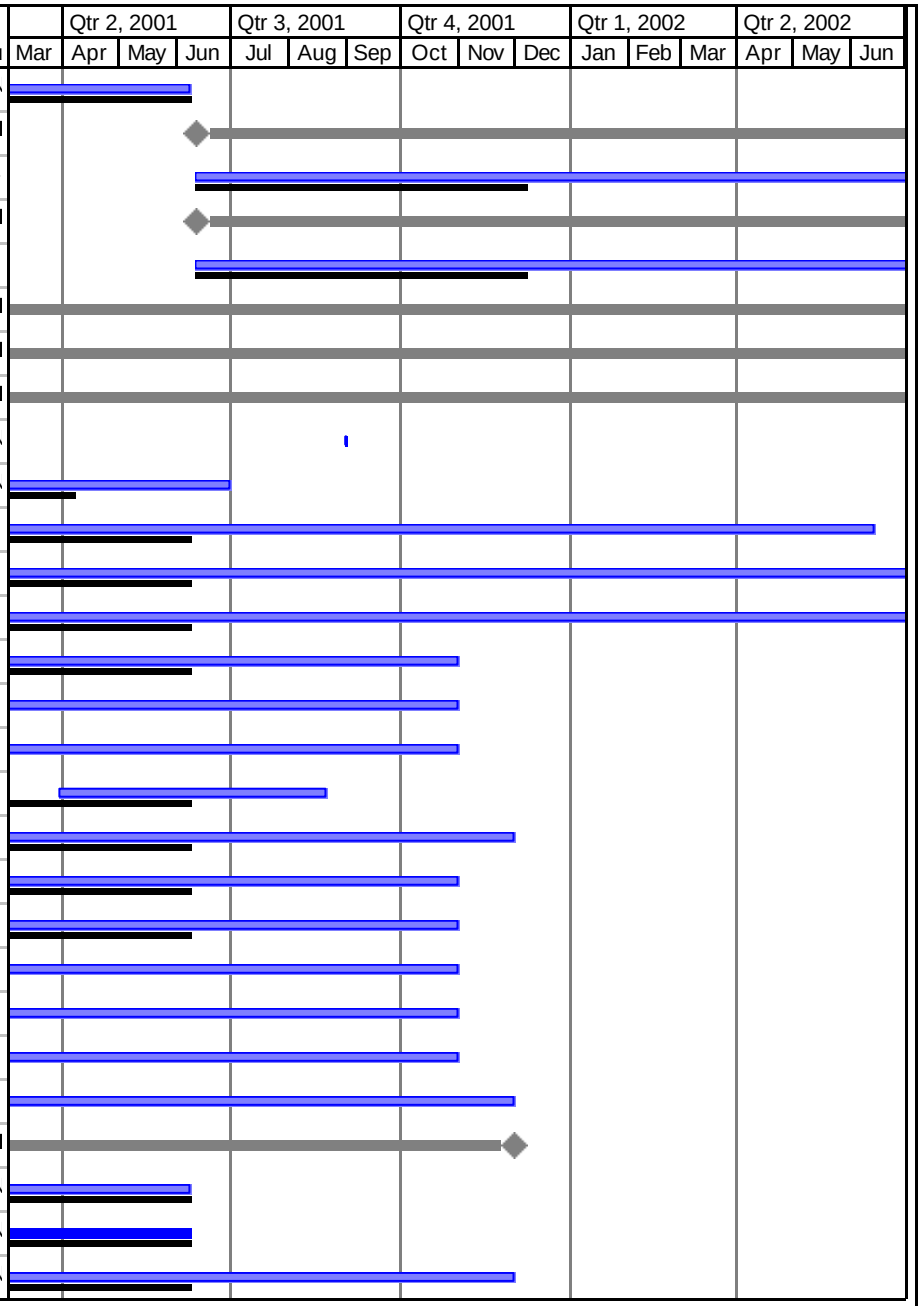
ID	Unique_ID	Name	Release	Splita	Resou
449	32000	**Stage 2**		No	G SA2
450	**1142**	**Charging and OAM&P (Master)**	**NA**	**Yes**	**G SA5**
451	2089	**Principles, high level Requirements and Architecture**	Rel4	No	G SA5
452	2088	**Performance Management**	Rel4	No	G SA5
453	2081	**Fault Management**	Rel4	No	G SA5
454	2082	**Configuration Management**	Rel4	No	G SA5
455	2083	**Charging Management**	Rel4	No	G SA5
456	35000	**FS on User Equipment (UE) Management**	Rel5	No	G SA5
457	2062	**Subscription Management**	Rel5	No	G SA5
458	2071	**UTRAN Operations and Maintenance procedures**	Rel4	No	G SA5
459	1993	**small Technical Enhancements and Improvements fo**	Rel4	No	eneric
460	**2230**	**Advanced Speech Call Items enhancements_REL-4**	**Rel4**	**No**	**G CN1**
461	2232	**Stage 2**		No	G CN4
462	2231	**Stages 2 and 3 on A interface**		No	G CN1
463	**2243**	**Intra Domain Connection of RAN Nodes to Multiple C**	**Rel5**	**No**	**G SA2**
464	2244	**Overall System Architecture**		No	G SA2
465	20000	**Stage 3: RAN node selecting CN node**		No	G RAN
466	10000	**Stage 3: CN node selection at inter-CN node change**		No	SG CN
467	2245	**RAN work**		No	RAN3
468	2246	**GERAN work**		No	ERAN2
469	**2247**	**CN work**		**No**	**G CN1**
470	2248	N1 work		No	G CN1
471	2249	N4 work		No	G CN4
472	**2310**	**GERAN improvements 1**	**Rel4**	**No**	**ERAN**
473	**2311**	**Gb over IP (Ip-fication of Gb)**		**No**	**ERAN**
474	2312	Concept		No	ERAN
475	2313	Changes to 08.16, 08.18		No	ERAN
476	**2314**	**GERAN improvements 2 (NACC)**	**Rel4**	**No**	**ERAN**



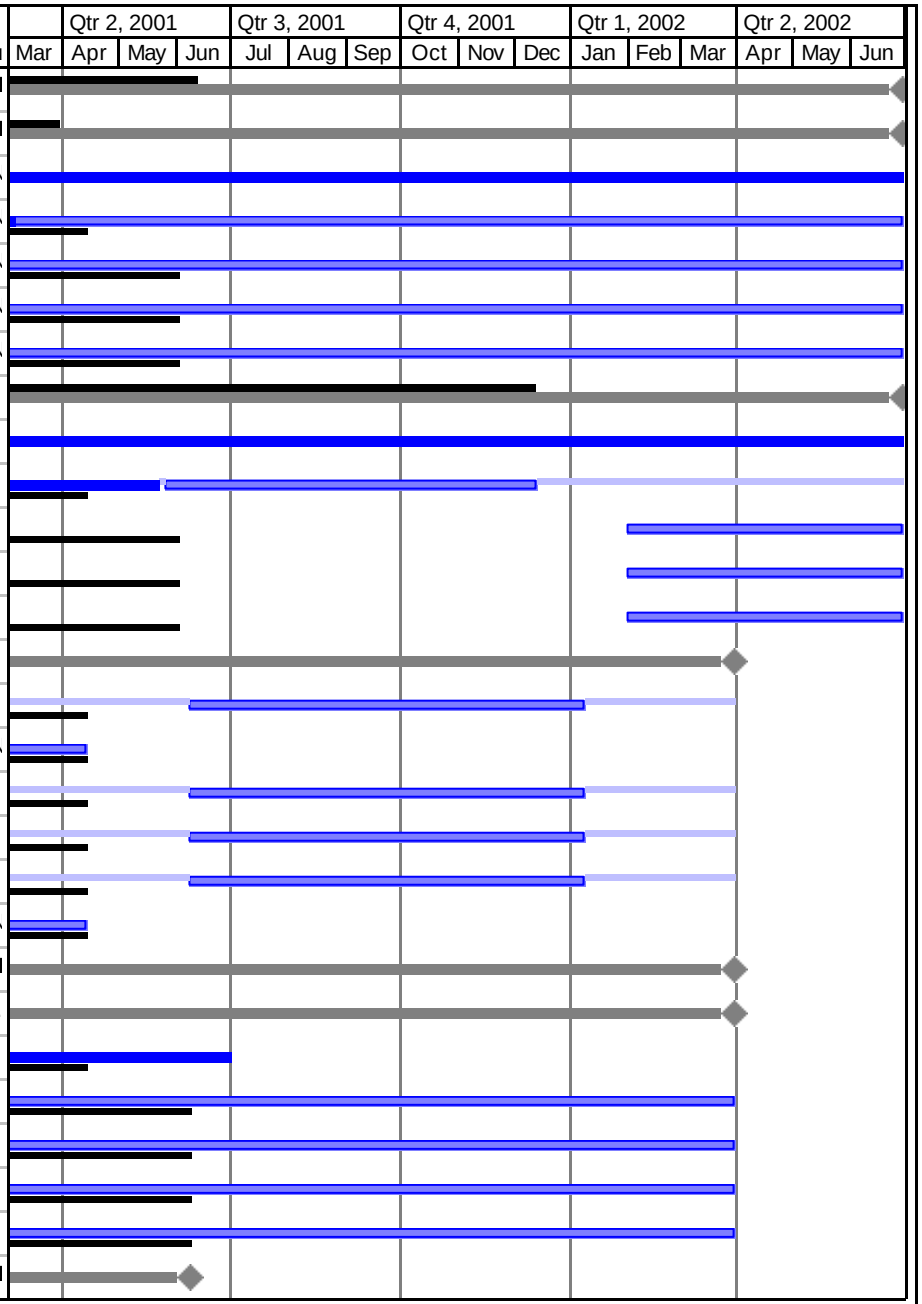
ID	Unique_II	Name	Release	Splita	Resou
477	**2315**	**Gb enhancements**		**No**	**ERAN**
478	**2316**	NACC (Network Assisted Cell Change)		**No**	**ERAN**
479	2420	Concept		No	ERAN
480	2317	Changes in 03.64		No	ERAN
481	2318	Changes in 04.60		No	ERAN
482	2319	Changes in 44.008		No	ERAN
483	**2320**	**GERAN improvements 3**	**Rel5**	**No**	**ERAN**
484	**2321**	**Evolution of the transport for A**		**No**	**ERAN**
485	2322	Definition of a new A/Ater interface Transport Layer option based o		No	ERAN
486	2323	Adaptation of the Layer 3 BSSMAP procedures as required		No	ERAN
487	**2324**	**GERAN improvements 4 (Delayed TBF)**	**Rel4**	**No**	**ERAN**
488	**2325**	**Gb enhancements 2**		**No**	**ERAN**
489	2429	stage 2		No	ERAN
490	**2421**	Stage 3 (changes in 44.060)		**No**	**ERAN2**
491	2327	Definition of enhanced countdown procedure		No	ERAN2
492	2328	Definition of enhanced TBF release procedure		No	ERAN2
493	2329	Definition of USF=FREE type polling mechanism on PDCH		No	ERAN2
494	**2330**	**GERAN support for IMS**	**Rel5**	**No**	**ERAN**
495	**2331**	**GERAN Header adaptation**		**No**	**G RAN**
496	2332	Definition of compression and removal modes for PDCP protocol		No	G RAN
497	2333	Conceptual description in stage 2		No	G RAN
498	2334	Necessary changes on stage 3 regarding header removal		No	G RAN
499	**2335**	**GERAN Radio access bearer design for IMS**		**No**	**G RAN**
500	**2422**	MuM control signalling for conversational multimedia services		**No**	**G RAN**
501	2431	Identification of requirements		No	G RAN
502	2337	Necessary modifications due to SIP		No	G RAN
503	**2338**	**Physical layer multiplexing**		**No**	**ERAN**
504	2339	Stage 2		No	ERAN



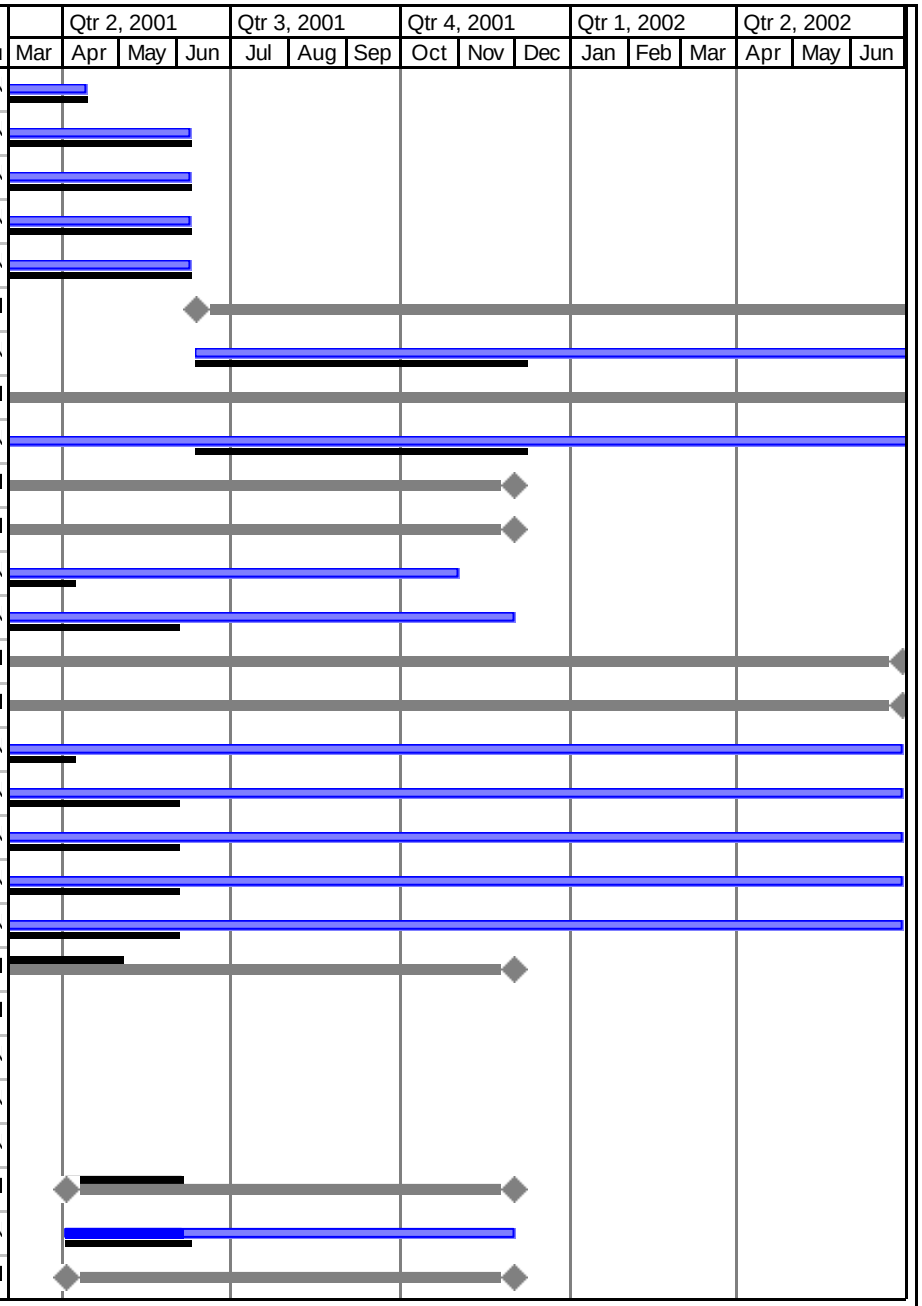
ID	Unique_II	Name	Release	Splita	Resou
505	2432	Stage 3		No	GERAN
506	**2341**	**GERAN MS Conformance test for support of IMS**		**No**	**GERAN**
507	2342	MS test		No	ERAN4
508	**2343**	**GERAN BTS Conformance test for support of IMS**		**No**	**GERAN**
509	2344	BTS test		No	ERAN3
510	**2345**	**Alignment of 3G functional split and Iu**	**Rel5**	**No**	**GERAN**
511	**2346**	**GERAN user / control plane**		**No**	**GERAN**
512	**2347**	Alignment with UMTS bearer concept		**No**	**GERAN**
513	50300	Enhanced power control		No	GERAN
514	2423	Stage 2		No	GERAN
515	2348	Adoption of the UTRAN PDCP		No	RAN2
516	2349	Development of RLC / MAC		No	ERAN2
517	2350	Development of GERAN RRC		No	ERAN2
518	2351	Ciphering and integrity protection Concept paper		No	ERAN2
519	50302	Multiple TBF or equivalent Concept paper		No	ERAN2
520	50303	Paging concept		No	ERAN2
521	2352	Dedicated physical subchannels. Includes traffic and control ch		No	ERAN1
522	2353	Iu support and broadcast concept		No	ERAN2
523	2354	Impact of using RLC instead of LAPDm concept		No	ERAN2
524	2355	Contention resolution, mobile station identity, and access conce		No	ERAN2
525	50304	PDCP concept		No	ERAN2
526	50305	Downlink delayedTBF release		No	ERAN2
527	50306	Add transparent RLC Concept		No	ERAN2
528	50307	Handover concept		No	ERAN2
529	**2424**	Physical layer alignment with UMTS bearer concept		**No**	**GERAN**
530	2356	PDTCH/TCH in 45.003		No	GERAN
531	2357	Control channels in 45.003		No	GERAN
532	2358	Receiver performance in 45.005 for PDTCH/TCH and control ch		No	GERAN



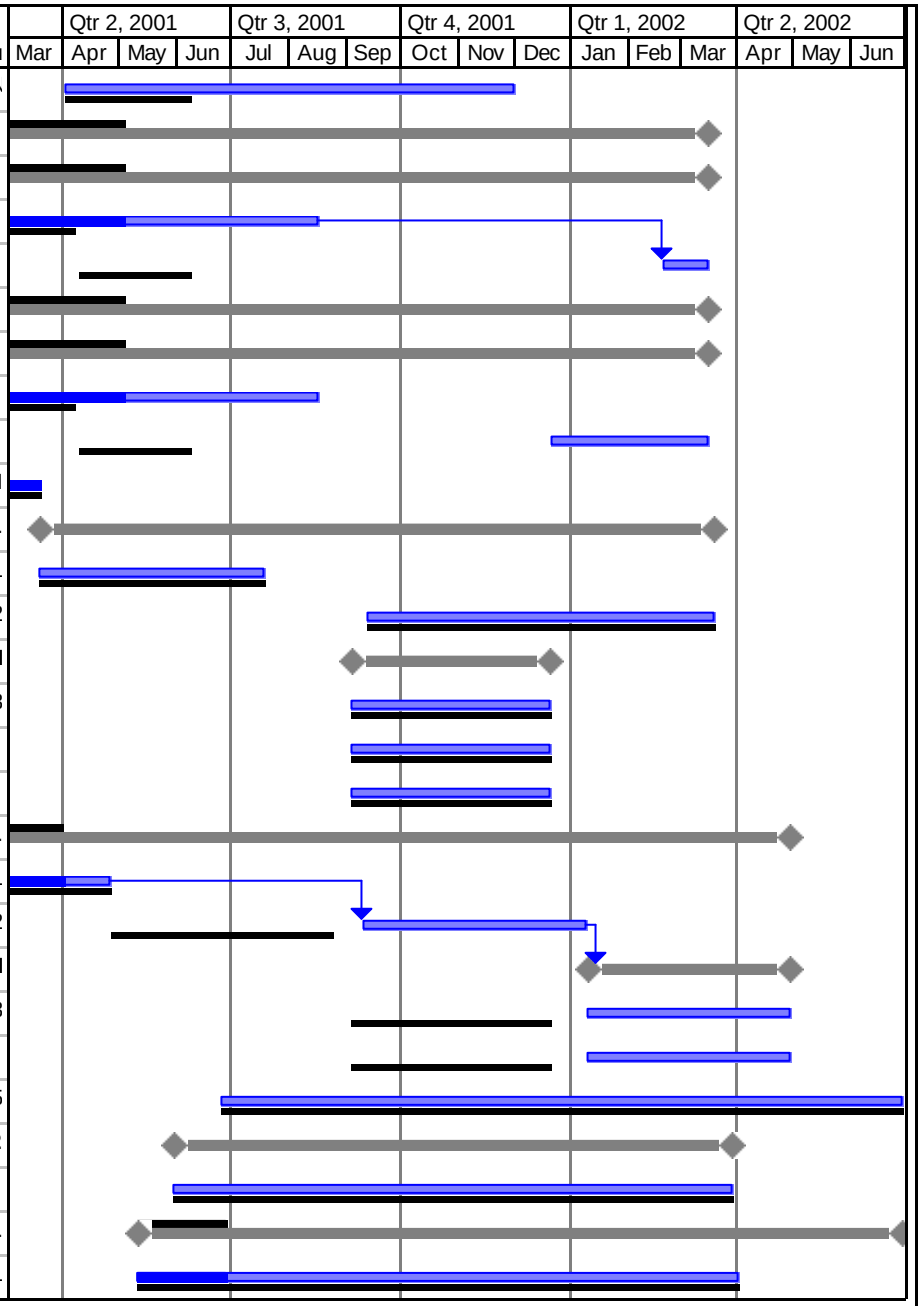
ID	Unique_II	Name	Release	Splita	Resou
533	**2359**	**Iu rg interface**		**No**	**GERAN**
534	**2425**	Inter BSS interface		**No**	**GERAN**
535	2360	Identification of requirements		No	GERAN
536	2361	Stage 2		No	GERAN
537	2362	Adoption of relevant parts from Iur		No	GERAN
538	2363	Complementation with GERAN specifics		No	GERAN
539	2364	New stage 3		No	GERAN
540	**2426**	Inter BSS-RNS interface		**No**	**RAN3**
541	2365	Identification of requirements		No	RAN3
542	2366	Stage 2		No	RAN3
543	2367	Adoption of relevant parts from Iur		No	RAN3
544	2368	Complementation with GERAN specifics		No	RAN3
545	2369	New stage 3		No	RAN3
546	**2370**	**Voice over GERAN PS and CS concept**		**No**	**RAN3**
547	2371	Architecture for A, Iu cs and Iu ps		No	RAN3
548	2372	Transcoder position/operation		No	GERAN
549	2373	Handover		No	RAN3
550	2374	RTP payload		No	RAN3
551	2375	Codec renegotiation concept		No	RAN3
552	2376	LA		No	GERAN
553	**2377**	**GERAN Narrowband speech realization**		**No**	**GERAN**
554	**2427**	8-PSK NB HR		**No**	**GERAN1**
555	2378	Channel coding in 45.003		No	GERAN1
556	2379	Signallimg for A interface		No	GERAN1
557	2380	Signallimg for Iu		No	GERAN1
558	2381	Link adaptation in 45.009		No	GERAN1
559	2382	Receiver performance in 45.005		No	GERAN1
560	**2428**	8-PSK NB QR		**No**	**GERAN**



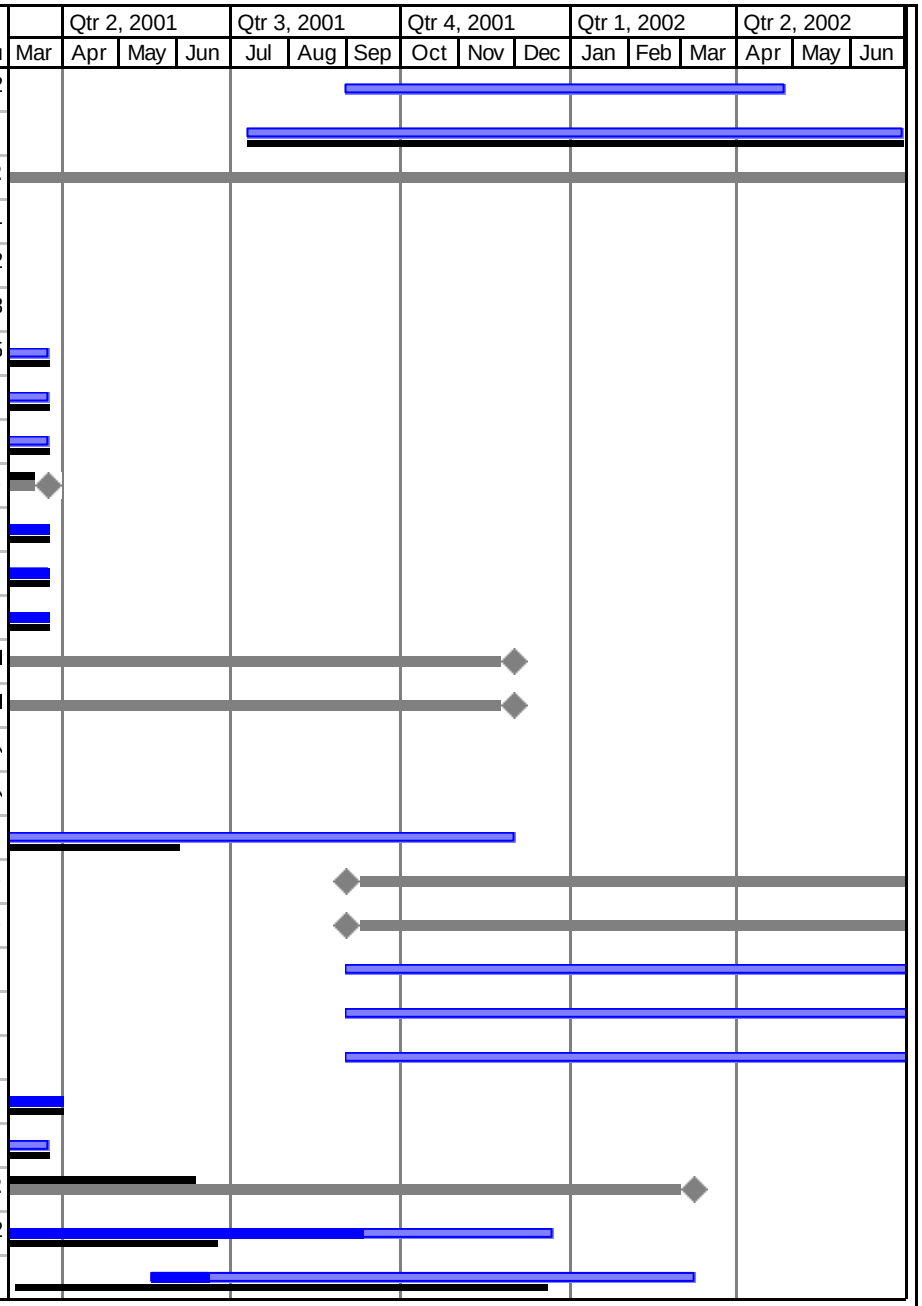
ID	Unique_II	Name	Release	Splita	Resou
561	2383	Channel coding in 45.003		No	GERAN
562	2384	Signallimg for A interface		No	GERAN
563	2385	Signallimg for Iu		No	GERAN
564	2386	Link adaptation in 45.009		No	GERAN
565	2387	Receiver performance in 45.005		No	GERAN
566	**2388**	**GERAN MS Conformance test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



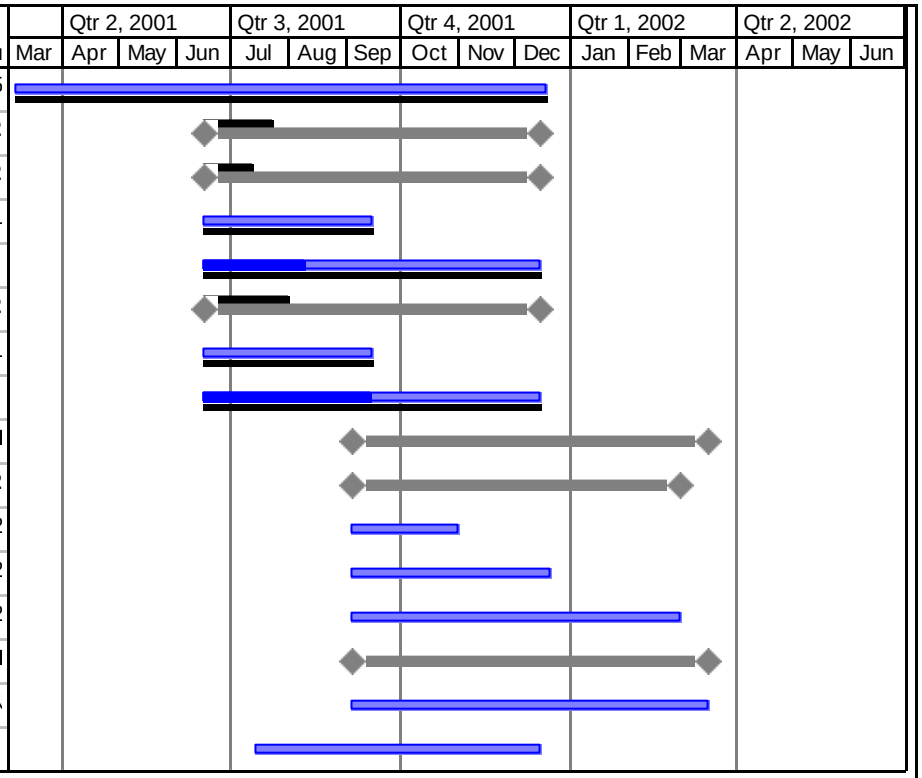
ID	Unique_II	Name	Release	Splita	Resou
589	2411	BTS test		No	ERAN
590	**2412**	**GERAN/UTRAN interface evolution 1**	**Rel5**	**No**	**RAN3**
591	**2413**	**Evolution of Iu ps**		**No**	**RAN3**
592	2414	Identification of GERAN requirements on Iu ps		No	RAN3
593	2415	Update of specifications		No	RAN3
594	**2416**	**GERAN/UTRAN interface evolution 2**	**Rel5**	**No**	**RAN3**
595	**2417**	**Evolution of Iu cs**		**No**	**RAN3**
596	2418	Identification of GERAN requirements on Iu cs		No	RAN3
597	2419	Update of specifications		No	RAN3
598	2463	**Operator Determined Barring for Packet Oriented Se**	Rel4	No	SG CN
599	**2499**	**Support of Presence Capability**	**Rel5**	**No**	**G SA1**
600	2501	**Stage 1**		No	G SA1
601	2502	**Stage 2**		No	G SA2
602	**2503**	**Stage 3**		**No**	**SG CN**
603	2504	Security issues		No	G SA3
604	2505	USIM issues		No	NG T3
605	2506	UE issues		No	NG T2
606	**2507**	**Display of Service Provider name on UE**	**Rel5**	**No**	**G SA1**
607	2508	**Stage 1**		No	G SA1
608	2509	**Stage 2**		No	G SA2
609	**2510**	**Stage 3**		**No**	**SG CN**
610	2511	Security issues		No	G SA3
611	2512	USIM issues		No	NG T3
612	2520	**User Equipment Management**	Rel5	No	G SA5
613	**2527**	**Emergency calls without UICC/SIM in netw. with IMS**	**Rel5**	**No**	**G SA2**
614	2528	**Stage 3 work for CN1**		No	G CN1
615	**2544**	**Multimedia Broadcast and Multimedia Service**	**Rel5**	**No**	**G SA1**
616	2545	**Stage 1**		No	G SA1



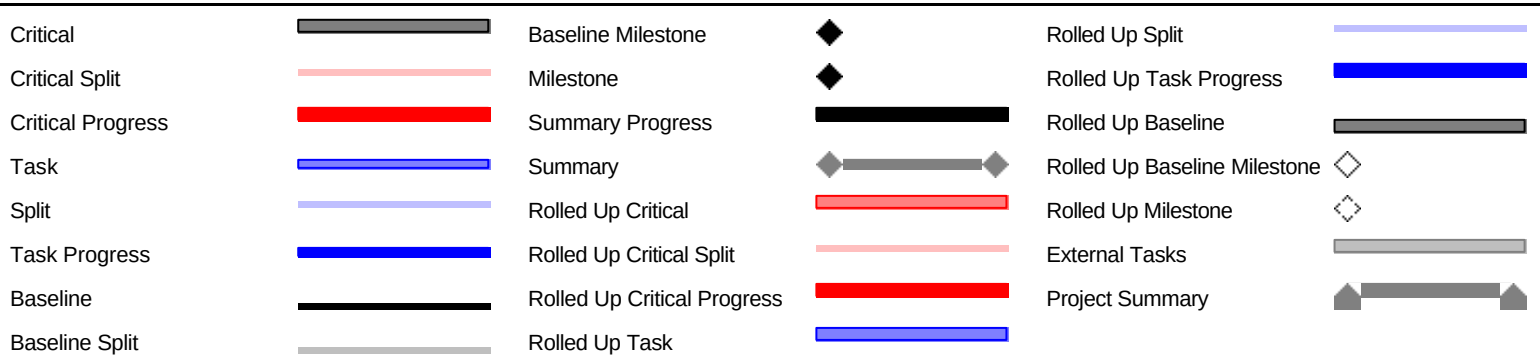
ID	Unique_ID	Name	Release	Splita	Resou
617	32002	**Stage 2**		No	G SA2
618	2481	**impact on UTRAN**		No	RAN2
619	**2546**	**UMTS QoS Architecture for PS Domain**	**Rel4**	**No**	**G SA2**
620	2547	**Requirements**		No	G SA1
621	2548	**Architecture**		No	G SA2
622	1624	**Security aspects**		No	G SA3
623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



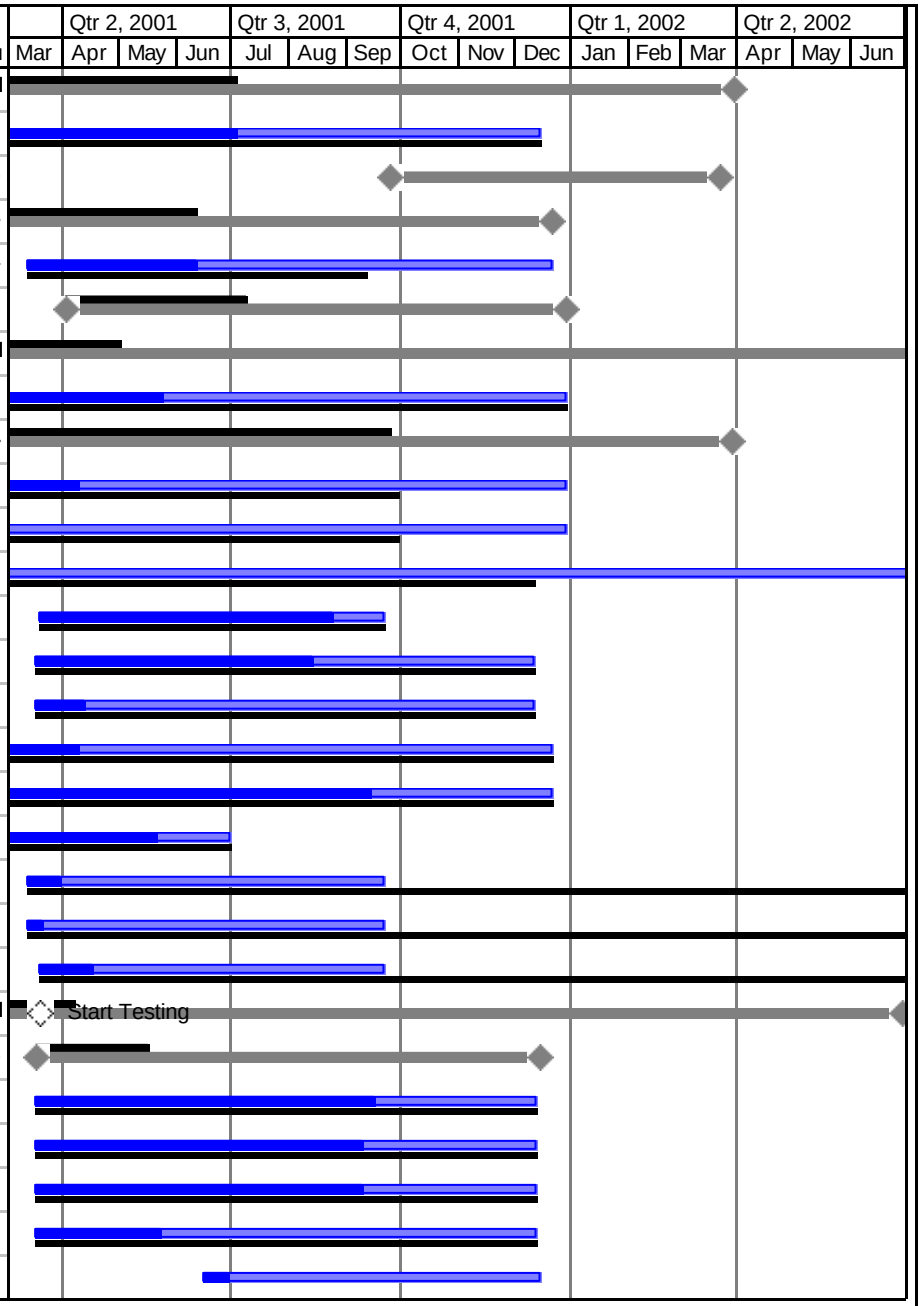
ID	Unique_ID	Name	Release	Splita	Resou
645	2559	**QoS Management (Provisioning and Monitoring)**		No	G SA5
646	**2569**	**Messaging enhancements Rel-5**	**Rel5**	**No**	**NG T2**
647	**2571**	**Multimedia Messaging (MMS) enhancements**		**No**	**NG T2**
648	31000	Definition of service requirements		No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



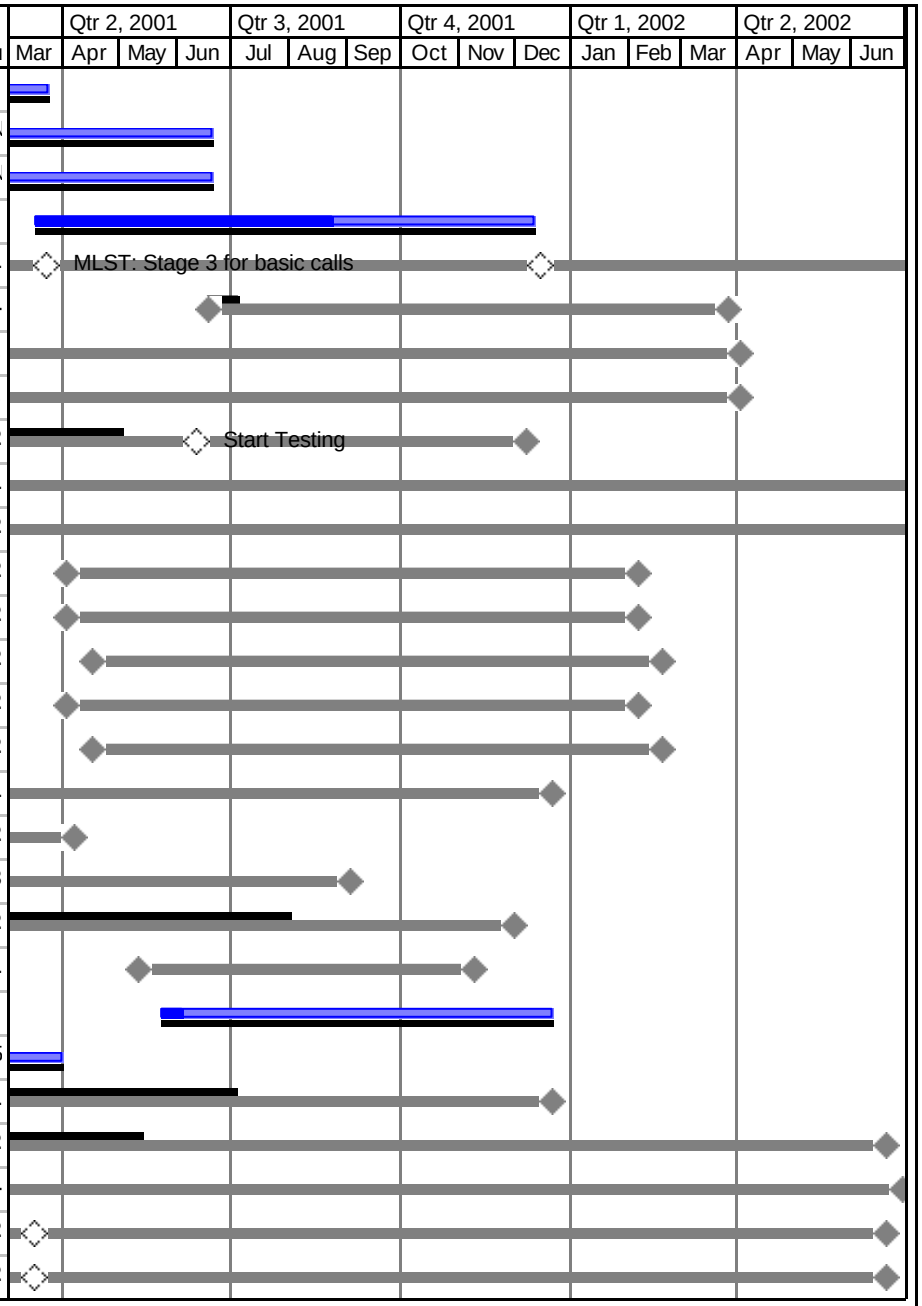
Project: 3GPP_Work Plan
Date: Wed 19/09/01



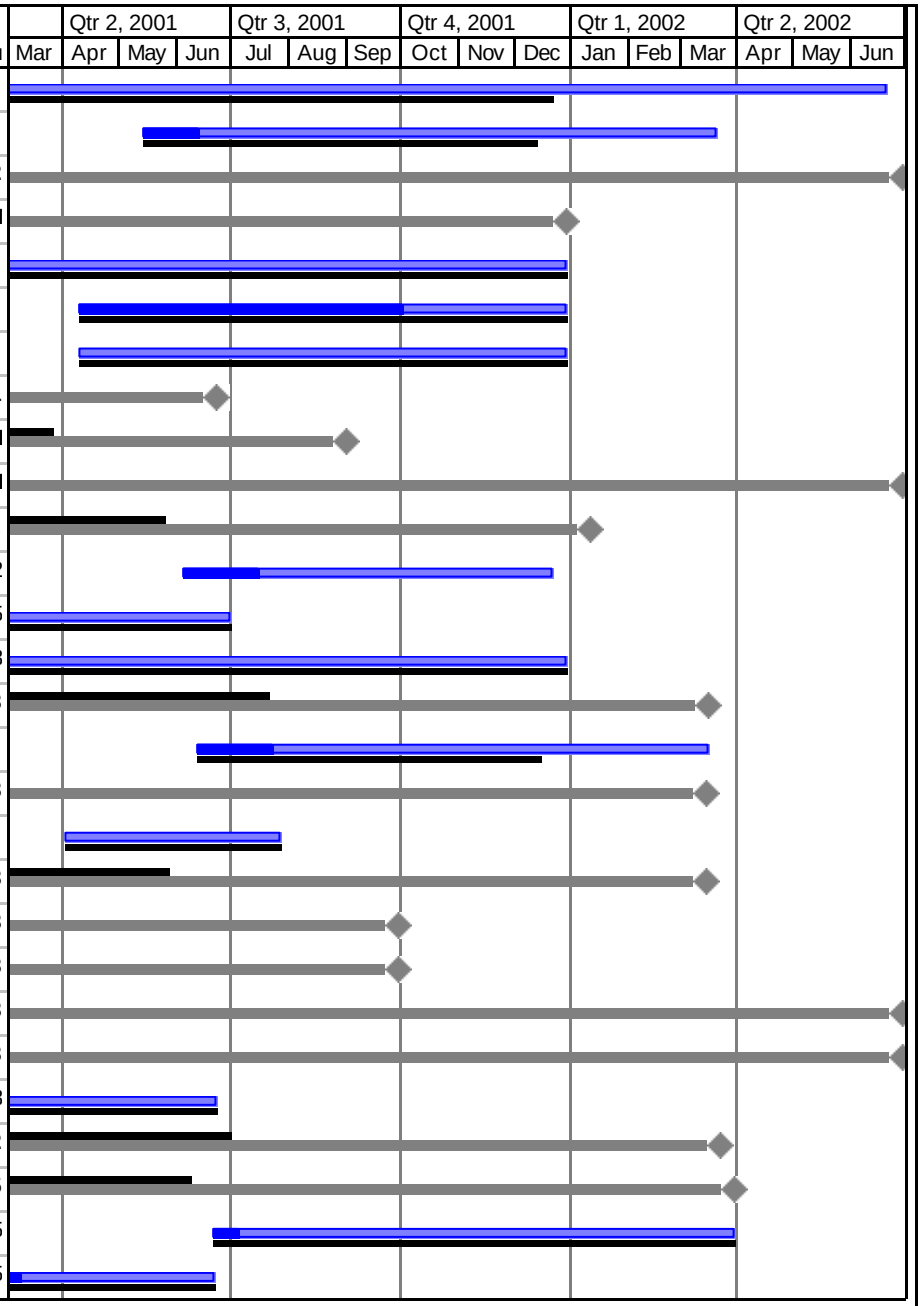
ID	Unique_II	Name	Release	Splita	Resou
6	**2**	**Evolutions of the transport in the UTRAN**	**NA**	**Yes**	**G RAN**
7	625	**IP transport in the UTRAN**	Rel5	No	RAN3
10	**2257**	**Evolution of transport in UTRAN and GERAN**	**Rel5**	**No**	**RAN3**
15	**4**	**Evolutions of the transport in the CN**	**NA**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



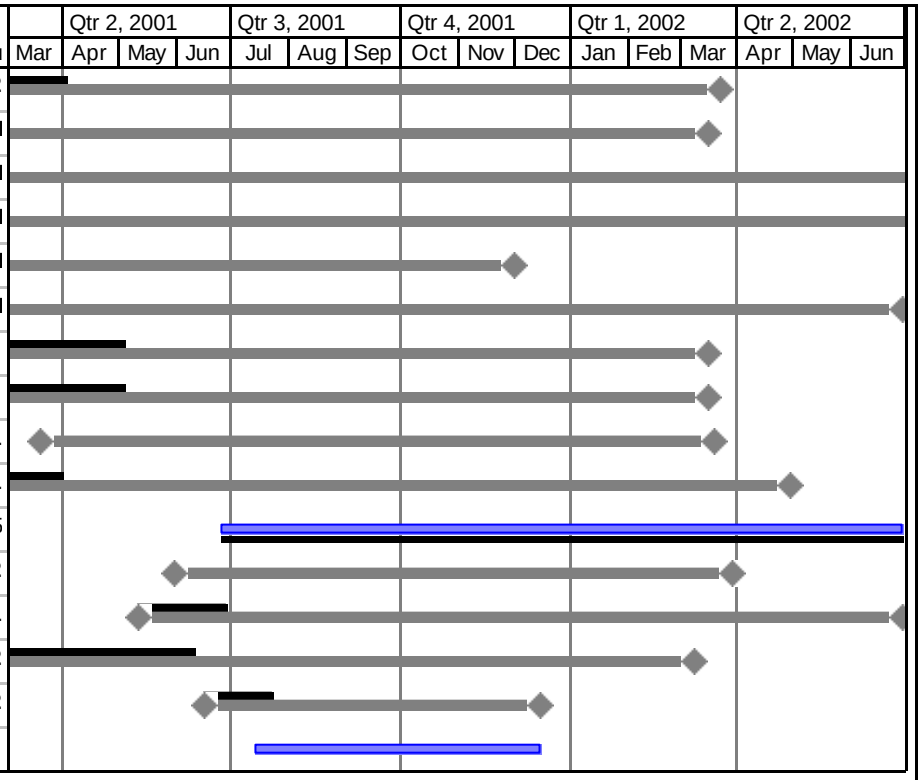
ID	Unique_ID	Name	Release	Splita	Resou
89	624	RAB support enhancement - except Robust Header Com	Rel5	No	RAN2
91	1680	Header compression removal/stripping in the RAN	Rel5	No	G RAN
92	1686	Unequal error protection in PS domain in the RAN	Rel5	No	G RAN
93	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5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



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



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



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