3GPP TSG-SA
Meeting #19, Birmingham (UK), March 2003

Tdoc SP-030192

3GPP Work Plan – Cover page

Version 2003, March 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 specific line, contact the MCC support for the WG or TSG responsible of the given task (to know who at MCC is responsible of a given WG or TSG, look 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 the Work Plan manager 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 19 February and 19 March 2003

Updates have been received from SA2, CN1, CN2.
Some features have been re-ordered so that e.g. the ones related to Emergency calls appear one immediately after the other one.
Updates from TSG #19 plenaries are not included.

Detailed changes

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

Content of this package:

1) Master:

Work_Plan_3GPP_030314.mpp	MASTER - Work Plan in MS Project 98 format (contains all WI attributes and Gantt view)
Work_Plan_3GPP_030314_MSP2000.mpp	Work Plan in MS Project 2000 format (contains all WI attributes and Gantt view)

2) Cover page:

Work_plan_cover_030314.doc	Cover page - contains explanations and informations on last changes

3) Work Plan in different formats, useful if you don't have MS Project:

Work_Plan_3GPP_030314.xls	Work Plan in Excel format (contains most of the WI attributes but not the Gantt chart)
Work_Plan_3GPP_030314.pdf	PDF view of Work Plan (contains the Gantt chart)

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. 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:

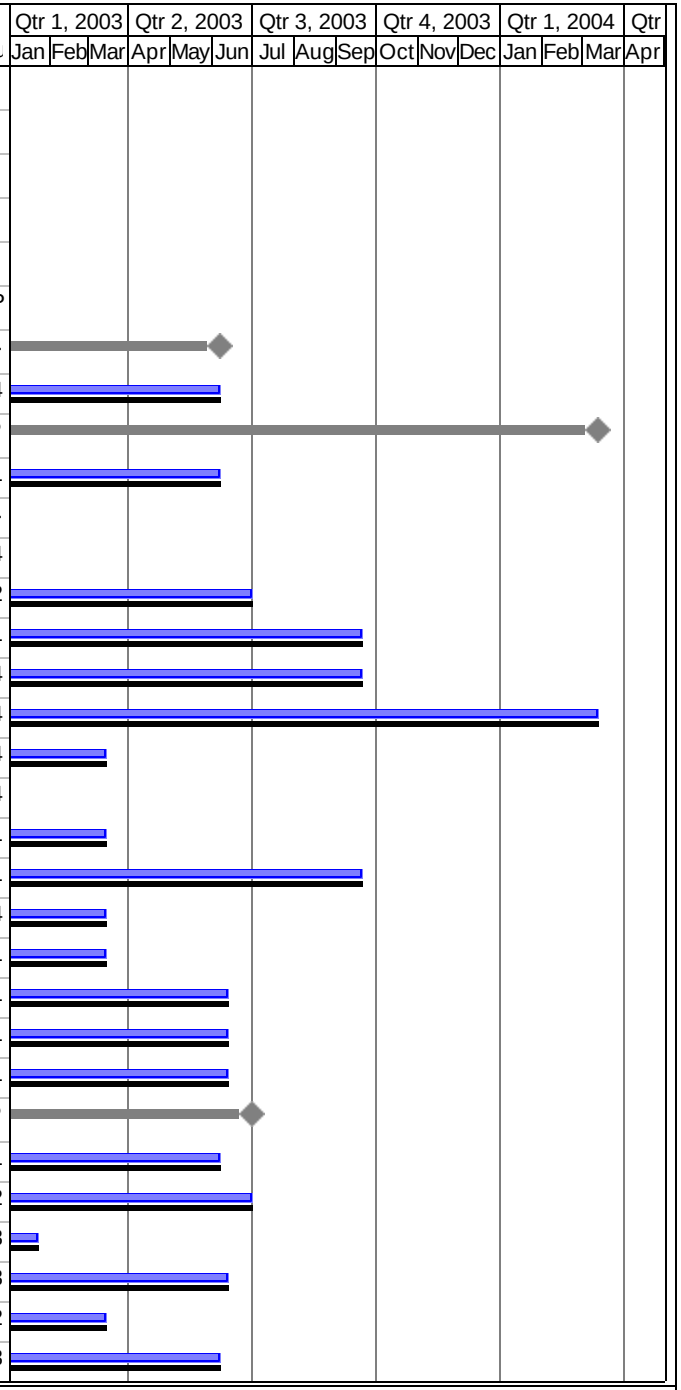
- ?? % completed
- ?? Impacted TS and TR
- ?? Level of Approval (MCC<CHAIR<WG<TSG).
- ?? Hyperlink (to the proposed/approved WI coversheet)
- ?? WI rapporteur name
- ?? WI rapporteur e-mail
- ?? MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
- ?? Notes (free field).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

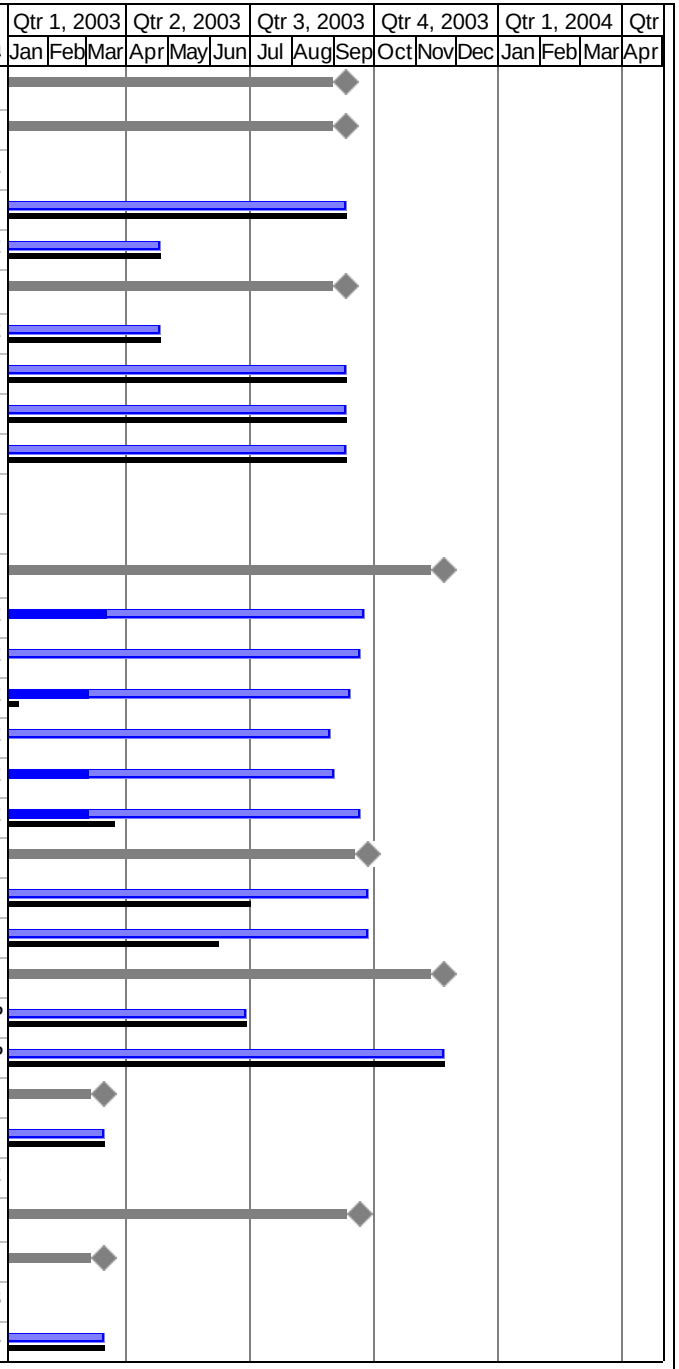
History

This section is reset after each plenary meeting.

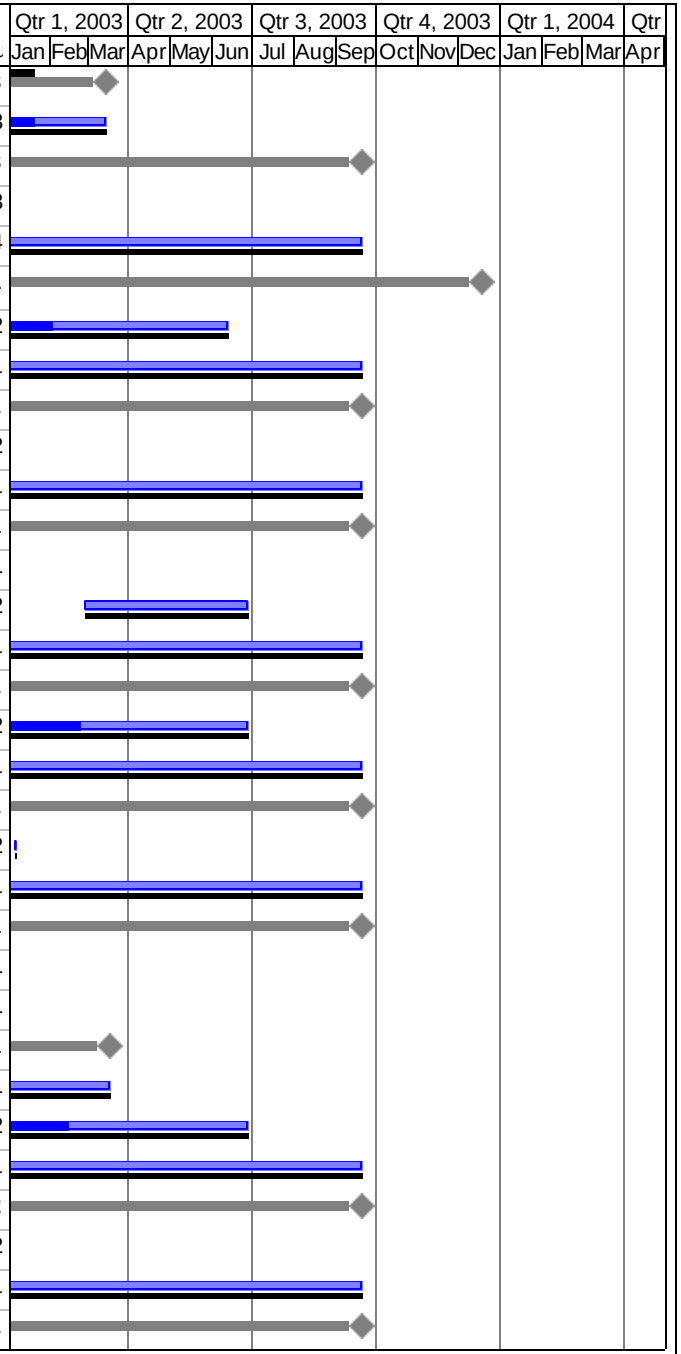
ID	Unique_I	Name	Releas	Resou
1	2044	**VERSION 2003 March 14th**	Rel	
2	1462	**"CTRL + a" to display all the 3GPP fields**		
3	2058	**Content of Rel4 and Rel5 frozen. Rel6 and after not frozen.**	Rel	
4	0		Rel	
5	96			
6	2	**Evolutions of the transport in the UTRAN**	NA	RP
7	**4**	**Evolutions of the transport in the CN**	**NA**	**N4**
8	14011	**Preferred Framing Protocol for bearer independent CS architecture**	Rel-6	N4
9	**1216**	**Improvements of Radio Interface**	**NA**	**RP**
10	1470	**Improvement of inter-frequency and inter-system measurement**	Rel-6	R1
11	**24004**	**Base station classification**	**Rel-6**	**R4**
12	1476	FDD Base station classification	Rel-6	R4
13	1507	**Terminal Power Saving features**	Rel-6	R2
14	2468	**Multiple Input Multiple Output antennas (MIMO)**	Rel-6	R1
15	24006	**Improving Receiver Performance Requirements for the FDD UE**	Rel-6	R4
16	24007	**UMTS-850**		R4
17	24003	**FS for the viable deployment of UTRA in additional and diverse spec**	Rel-6	R4
18	24005	**FS on UE antenna efficiency test methods performance requirements**	Rel-6	R4
19	2471	**FS on Fast Cell Selection (FCS) for HS-DSCH**	Rel-6	R1
20	1506	**FS on Radio link performance enhancements**	Rel-6	R1
21	24001	**FS on UTRA WideBand Distribution Systems**	Rel-6	R4
22	21000	**FS on Improvement of inter-frequency and inter-system measuremen**	Rel-6	R1
23	21003	**FS for the analysis of OFDM for UTRAN enhancements**	Rel-6	R1
24	21004	**FS on Uplink Enhancements for Dedicated Transport Channels**	Rel-6	R1
25	21005	**FS on Analysis on Higher Chip Rates for UTRA TDD evolutions**	Rel-6	R1
26	**9**	**RAN improvements**	**NA**	**RP**
27	20999	**Beamforming Enhancements**	Rel-6	R1
28	624	**RAB support enhancement**	Rel-6	R2
29	23005	**Improvement of RRM across RNS and RNS/BSS**	Rel-6	R3
30	23006	**FS on the evolution of the UTRAN architecture**	Rel-6	R3
31	22001	**FS for the Early Mobile Handling in UTRAN**	Rel-6	R2
32	23007	**FS of the improved access to UE measurement data for CRNC to sup**		R3



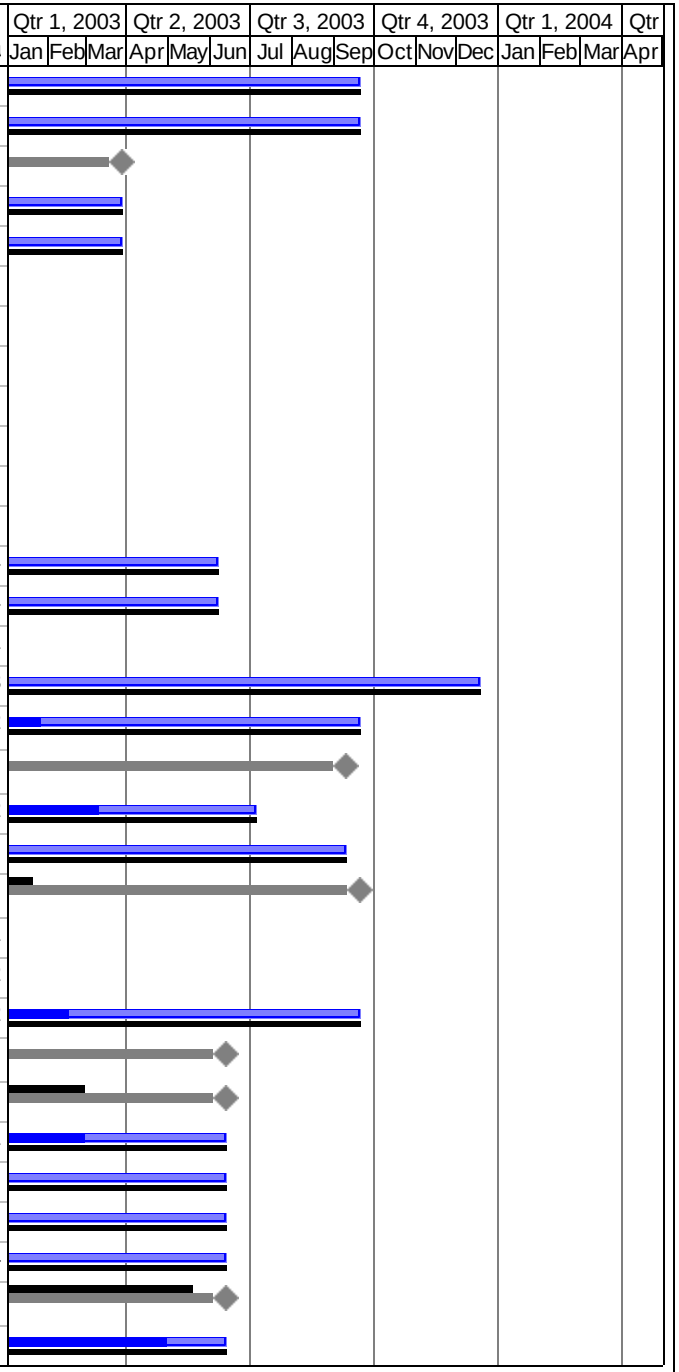
ID	Unique_I	Name	Releas	Resou
33	**1652**	**Emergency call enhancements**	**Rel-6**	**N1**
34	**1653**	**For IP & PS based calls**	**Rel-6**	**N1**
35	1314	Service Requirements for IP-based emergency calls		S1
36	1315	SIP emergency calls and packet emergency calls signalling flowsl		N1
37	1316	Stage 2 for emergency calls and packet emergency calls in general		S2
38	**2527**	**Emergency calls without UICC/SIM in netw. with IMS**	**Rel-6**	**S2**
39	32014	**Stage 2**		S2
40	2528	**Stage 3 work for CN1**		N1
41	1317	**Distinction of emergency call types to different emergency services**		N1
42	1646	**Stage 3 for emergency calls and packet emergency calls in general**		N1
43	2224	**Conformance Test Aspects - Emergency call enhancements**		T1
44	2225	**Testing Stage 3 for emergency calls and packet emergency calls in**		T1
45	**32023**	**Location Services enhancements 2**	**Rel-6**	**S2**
46	32024	**Improvement on Le interface**		S2
47	32001	**Enhanced support for user privacy and subscriber data handling**		S2
48	32025	**Enhanced inter-GMLC interface**		S2
49	32012	**Support of the Presence Service Architecture**		S2
50	32026	**New area event for triggered location reports**		S2
51	32029	**FS on applicability of GALILEO for LCS**		S2
52	**20001**	**UE positionning**	**Rel-6**	**RP**
53	2457	UE positioning enhancements - other methods		R2
54	22002	FS on Enhancements to OTDOA Positioning using advanced blanking methods		R2
55	**50541**	**Uplink TDOA location determination for GSM/GPRS**	**Rel-6**	**GP**
56	50542	Addition of U-TDOA in the CS domain	Rel-6	GP
57	50543	Addition of U-TDOA in the PS domain	Rel-6	GP
58	**2475**	**Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel**		**R2**
59	22002	RAN aspects		R2
60	2127	Stage 2		S2
61	**1571**	**Security enhancements**	**NA**	**S3**
62	**2026**	**Enhanced HE control of security (including positive authentication re**	**Rel-6**	**S3**
63	2027	Stage 2		S3
64	2028	FS on Network impacts		N4



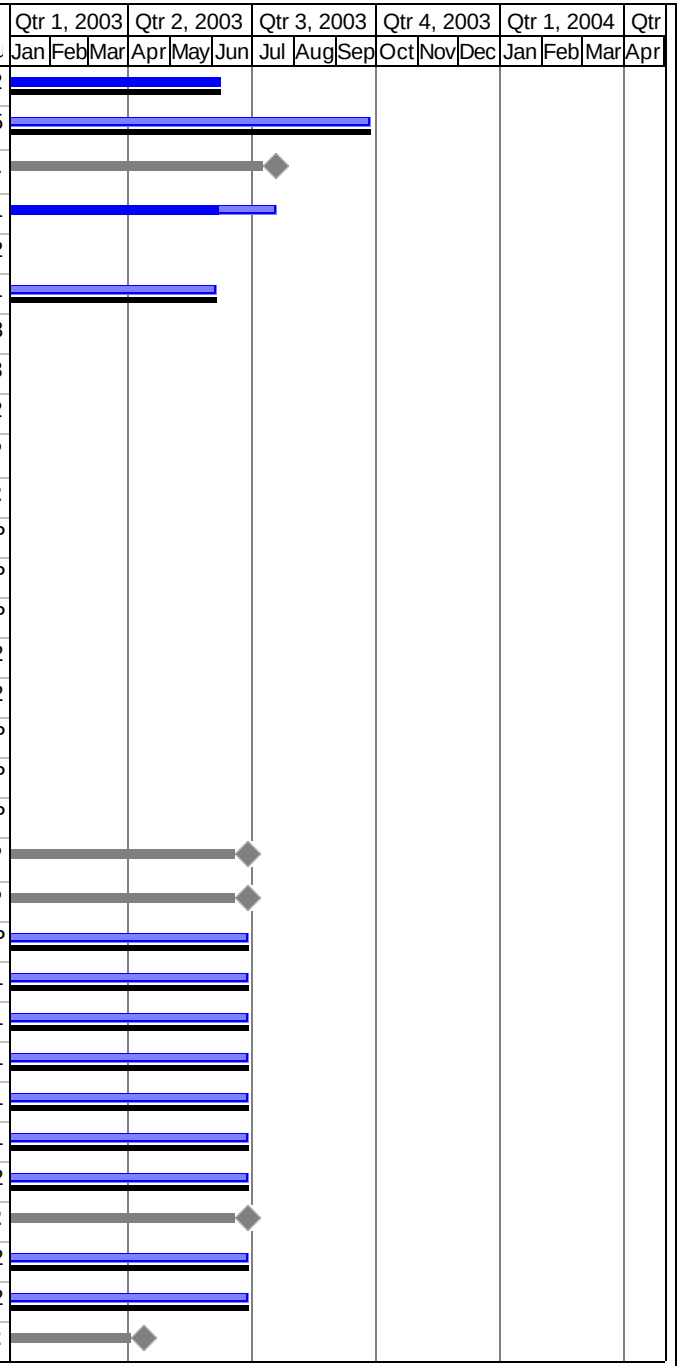
ID	Unique_I	Name	Releas	Resou
65	**33006**	Network domain security	**Rel-6**	**S3**
66	33007	IP network layer security (NDS/IP)	Rel-6	S3
67	**33003**	**Rel-6 MAP application layer security**	**Rel-6**	**S3**
68	33004	Main aspects		S3
69	33005	Security signalling flows for the Ze interface		N4
70	**32021**	**IMS Phase 2**	**Rel-6**	**S1**
71	32027	**Stage 2 of IMS Phase 2**		S2
72	11031	**IMS Stage-3 Enhancements**		N1
73	**11034**	**Identity portability in IMS**		**N1**
74	32034	No stage 1, no stage 2 (6 months needed for st 2)?		S2
75	32035	Stage 3		N1
76	**31025**	**IMS Group Management**		**S1**
77	31026	Stage 1 - TS on IMS group management		S1
78	32036	Stage 2		S2
79	11036	Stage 3 for IMS Group management (e.g. chat)		N1
80	**11037**	**IMS Conferencing**		**N1**
81	32037	Stage 2		S2
82	32038	Stage 3		N1
83	**11038**	**PSS alignment to IMS**		**N1**
84	32039	Stage 2 for PSS - CHECK AT SA2		S2
85	32040	Stage 3		N1
86	**31022**	**IMS Messaging**		**S1**
87	31023	TR on support of messaging in the IMS		S1
88	31034	Stage 1 22.340		S1
89	**31024**	CRs to existing 22-series specifications		**S1**
90	31033	CRs to 22.140 & 22.228		S1
91	32700	Stage 2		S2
92	11039	Stage 3 for IMS Messaging		N1
93	**32005**	**IMS Local services**		**S2**
94	32019	Stage 2		S2
95	11035	Stage 3 for IMS Local services		N1
96	**11040**	**Additional SIP Capabilities support not covered by Rel-5**		**N1**



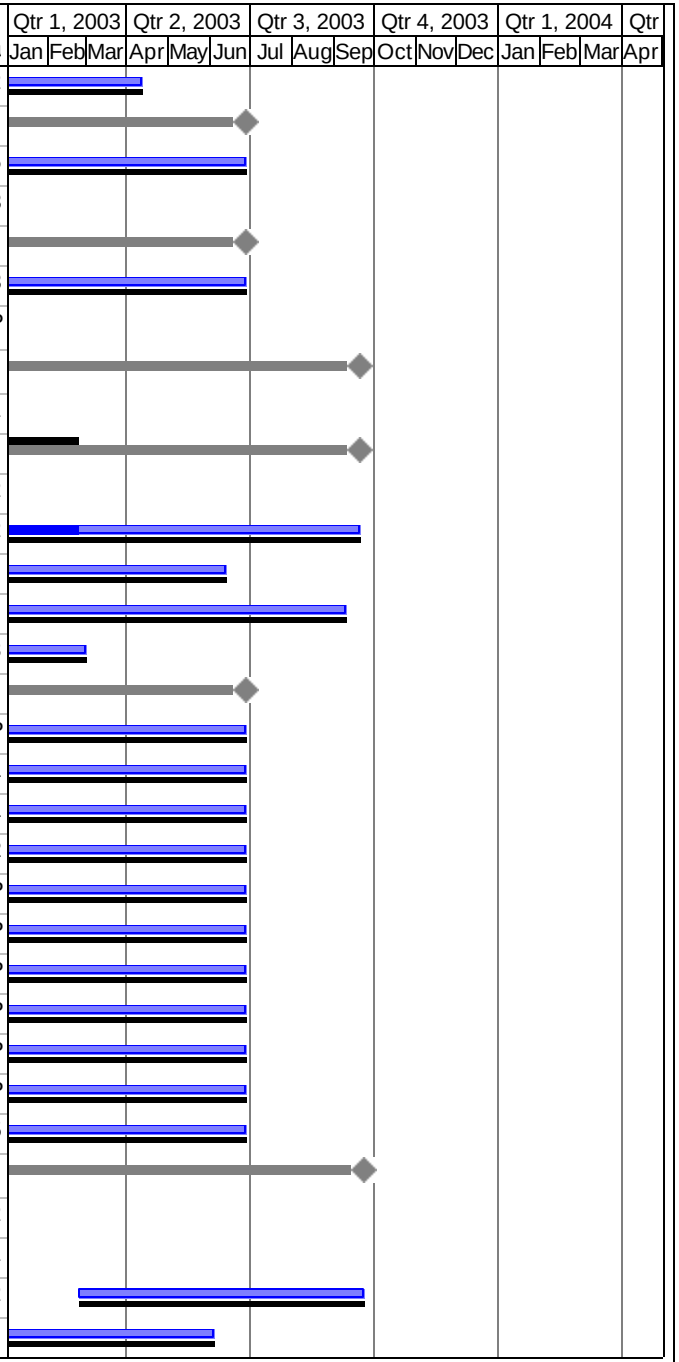
ID	Unique_I	Name	Releas	Resou
98	32042	Stage 3 for Additional SIP Capabilities		N1
99	11041	**Review additional SIP Capabilities against IMS**		N1
100	**2048**	**Interworking between IMS and IP networks**		**N3**
101	13004	Interworking for 3GPP_SIP and IETF_SIP		N3
102	13005	Interworking for IPv6 to IPv4		N3
103	**13011**	**Mm interface (CSCF to external IP multimedia network)**		**N3**
104	11017	CN1 part		N1
105	**2047**	**Interworking between IMS and CS networks**		**N3**
106	13002	ITU-T Q.1912.SIP (SIP to BICC / ISUP interworking)		N3
107	13003	ITU-T dependency on Q.2150.3 (SCTP)		N3
108	**13013**	**Mg interface (BGCF to MGCF - interworking with CS)**		**N3**
109	14002	Mg interface (BGCF to MGCF - interworking with CS)		N1
110	14001	**Mn interface (IM-MGW to MGCF) enhancements**		N4
111	14012	**Mp (MRFC - MRFP) interface protocol definitions**		N4
112	31036	**Study of subscriber and operators relationship in IMS and related ISI**		S1
113	33012	**Lawful Interception in the 3GPP Rel-6 architecture**		S3
114	32015	**Radio optimisation impacts on PS domain architecture**	Rel-6	S2
115	**11032**	**Interoperability and Commonality between IMS using different "IF**	**Rel-6**	**N1**
116	32028	**Stage 2**		S2
117	11033	**Stage 3**		N1
118	**1365**	**Support of Push Services**	**Rel-6**	**S1**
119	31004	**Stage 1**		S1
120	32000	**TR on feasibility study**		S2
121	32701	**Stage 2**		S2
122	**42009**	**Multimedia Messaging (MMS) enhancements**	**Rel-6**	**T2**
123	**42010**	**Definition of service requirements**		**S1**
124	31031	Definition of service requirements charging		S1
125	42011	**Technical realization**		T2
126	42012	**OMA dependencies**		T2
127	42013	**MMS formats and codecs**		S4
128	**42005**	**Rel-6 MExE enhancements**	**Rel-6**	**T2**
129	42006	**MExE Rel-6 Improvements and Investigations**		T2



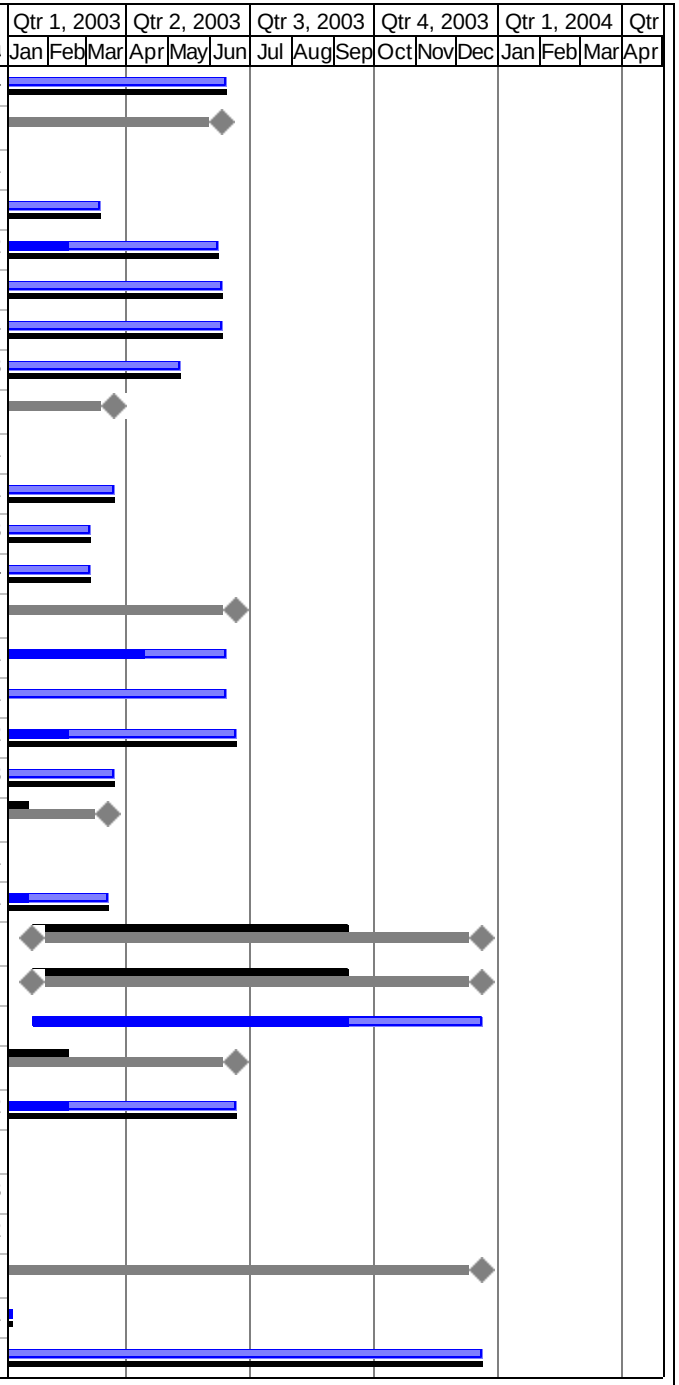
ID	Unique_I	Name	Releas	Resou
130	42007	**MExE Run-Time Independent Framework Feasibility Study**		T2
131	2062	**Subscription Management**	Rel-6	S5
132	**2499**	**Support of Presence Capability**	**Rel-6**	**S1**
133	2501	**Stage 1**		S1
134	2502	**Stage 2**		S2
135	2503	**Stage 3**		N1
136	2504	**Security issues**		S3
137	2505	**USIM issues**		T3
138	2506	**UE issues**		T2
139	**50056**	**Enhanced A/Gb feasibility study**	**TBD**	**GP**
140	**50057**	**Feasibility study on A/Gb enhancements**		**G2**
141	50080	Requirements for the support of conversational services		GP
142	50084	Identification of the different building blocks for the provision of conversational servic		GP
143	50093	Outline of impact and feasibility of these building blocks and their different solutions		GP
144	52081	Identification of the different building blocks for the provision of conversational servi		G2
145	52082	Outline of impact and feasibility of these building blocks and their different solutions		G2
146	50081	Impact on 3GPP architecture and requirement to co-ordinatge with other TSGs (CN, S		GP
147	50082	Standardisation effort		GP
148	50083	Dependency to other features		GP
149	**50063**	**Flexible Layer One for GERAN**	**TBD**	**GP**
150	**50064**	**Realisation of a Flexible Layer One**		**GP**
151	50065	Technical Report		GP
152	51002	Architecture in 45.001 and 43.051		G1
153	51003	Multiplexing in 45.002		G1
154	51004	Channel Coding in 45.003		G1
155	51005	Performance Requirements in 45.005		G1
156	51006	Radio subsystem link control in 45.008		G1
157	52071	Requirements in 44.004		G2
158	**52072**	**Signalling and protocol support for a Flexible Layer One**		**G2**
159	52073	Modifications to RLC/MAC in 44.060 and 44.160		G2
160	52074	Modifications to RRC in 44.118 and 44.018		G2
161	**52075**	**Security for a Flexible Layer One**		**S3, G2**



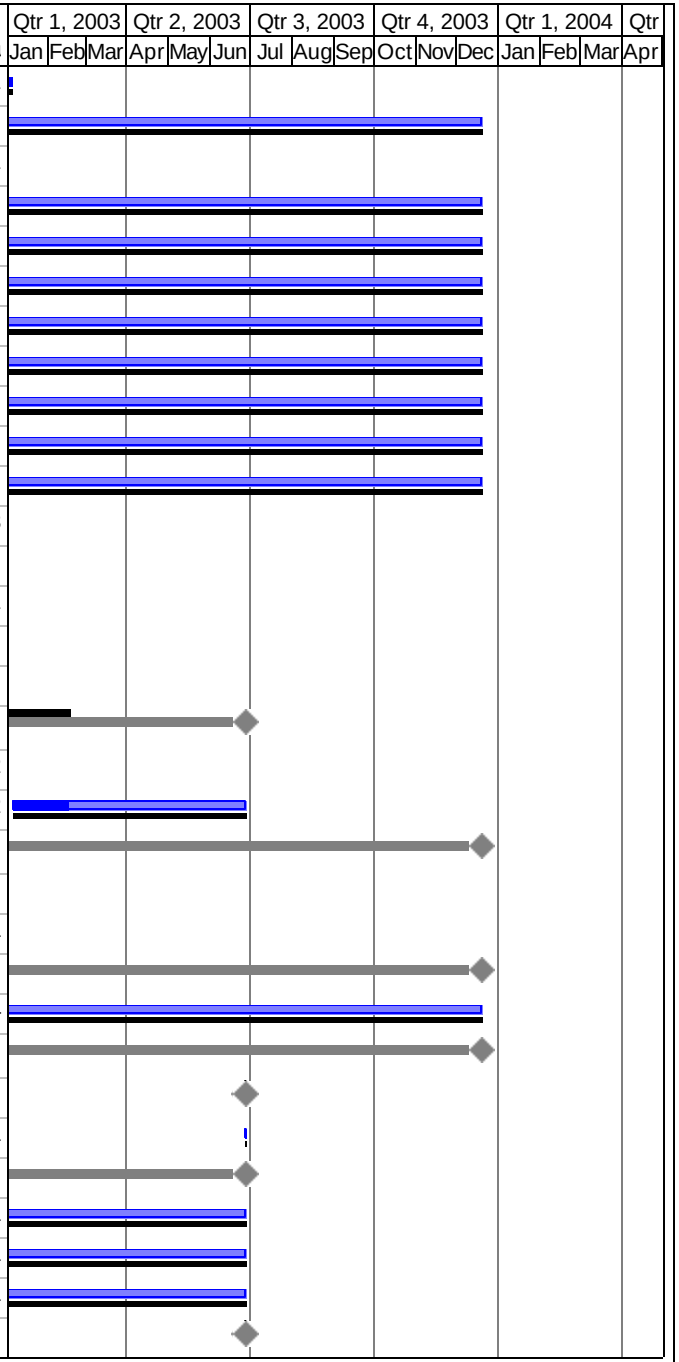
ID	Unique_I	Name	Releas	Resou
162	52076	Ciphering in 44.160,44.118, 44.060 and 44.018		S3, G2
163	**55077**	**GERAN MS Conformance test for the Flexible Layer One**		**G4;G5**
164	55078	MS Test in 51.010		G4;G5
165	53079	**GERAN BTS Conformance test for the Flexible Layer One**		G3
166	**55079**	**GERAN BTS Conformance test for the Flexible Layer One**		**G3**
167	53080	BTS Test in 51.021		G3
168	50041	**Uplink TDOA feasibility study**	Rel-6	GP
169	**2544**	**Multimedia Broadcast and Multicast Service**	**Rel-6**	**S1**
170	2545	**Stage 1**		S1
171	**32002**	**Stage 2**		**S2**
172	32702	TR on Architectural Study		S2
173	32703	Stage 2 Specification Work		S2
174	2481	**Introduction of MBMS in RAN**		R2
175	11030	**Support of the MBMS in CN protocols**		N1
176	33008	**Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)**		S3
177	**50085**	**Support of MBMS in GERAN**	**Rel-6**	**GP**
178	50086	Impact on the logical and physical channels		GP
179	51085	Simultaneous support of MBMS services		G1
180	51086	Simultaneous support of MBMS and non-MBMS services		G1
181	52085	Re-synchronisation at cell change		G2
182	50087	Decision making process between point-to-point or pont-to-multipoint configurations		GP
183	50088	MBMS channel allocations procedures to multiple MSs		GP
184	50089	Changes to the Gb interface		GP
185	50090	GERAN specific changes to the Iu-ps interface		GP
186	50091	Interaction between MBMS and Iu-flex		GP
187	50092	Security aspects		GP
188	55091	MS conformance tests		G5
189	**31006**	**Speech Recognition and Speech Enabled Services**	**Rel-6**	**S1**
190	32043	**Why Stage 1 work on DSR, Stage 2 does not work and SA4 runs a cc**		S2
191	31007	**Speech Enabled Services Based on Distributed Speech Recognition**		S1
192	32999	**Stage 2**		S2
193	11021	**SDP protocols extension to include DSR**		N1



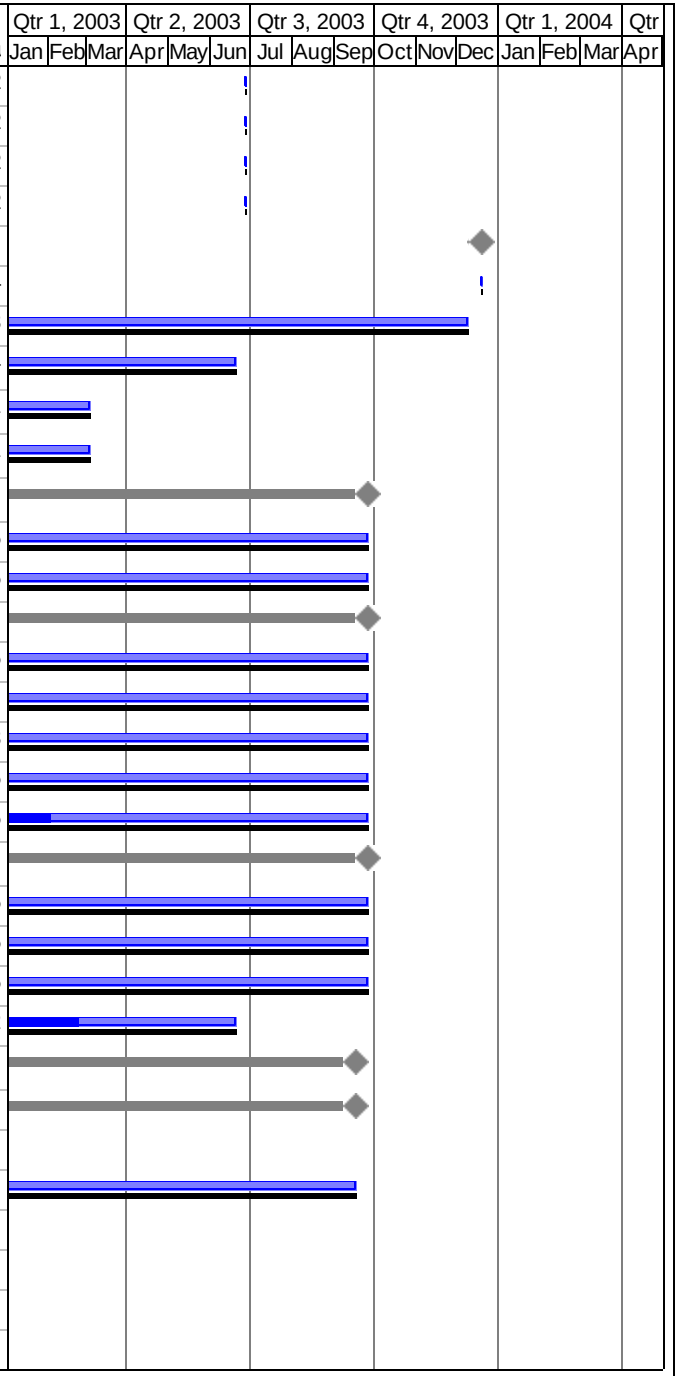
ID	Unique_I	Name	Releas	Resou
194	34700	**Codec Work to Support Speech Recognition Framework for Automa**		S4
195	**31008**	**Generic User Profile**	**Rel-6**	**S1**
196	31009	**Stage 1 - Requirements**		S1
197	42002	**Stage 2 - Data description framework**		T2
198	32008	**Stage 2 - Architecture - ASK SA2**		S2
199	42003	**Stage 3 - Common objects**		T2
200	14008	**Stage 3 - Network**		N4
201	33009	**Security Aspects**		S3
202	**31010**	**Digital Rights Management**	**Rel-6**	**S1**
203	31011	**Requirements**		S1
204	31037	**Monitoring of Stages 2 and 3 progress (actual work to be done by OM**		S1
205	33001	**Security**		S3
206	34017	**Codec Aspects**		S4
207	**31012**	**FS on WLAN-UMTS Interworking**	**Rel-6**	**S1**
208	31020	**Technical Report**		S1
209	31035	**CRs to implement WLAN**		S1
210	32018	**WLAN Interworking – Architecture Definition**		S2
211	32704	**Security**		S3
212	**31015**	**Priority Service**	**Rel-6**	**S1**
213	31016	**Feasibility Study**		S1
214	31017	**Stage 1 - Requirements**		S1
215	**31018**	**Network Sharing**	**Rel-6**	**S1**
216	**31019**	**Technical Report**	**Rel6**	**S1**
217	31038	New: CRs to implement Network Sharing	Rel6	
218	**32016**	**QoS Improvements**	**NA**	**S2**
219	32017	**FS on Dynamic Policy control enhancements for end-to-end QoS**	Rel-6	S2
220	**33002**	**Support for subscriber certificates**	**Rel-6**	**S3**
221	32705	**Stage 1**		S3
222	32706	**Architecture review**		S2
223	**15010**	**Rel-6 OSA enhancements**	**Rel-6**	**S1**
224	15011	**Support of a Generic Network Interface Function (Stage 1)**		S1
225	15023	**Support of a Generic Network Interface Function (Stage 3)**		N5



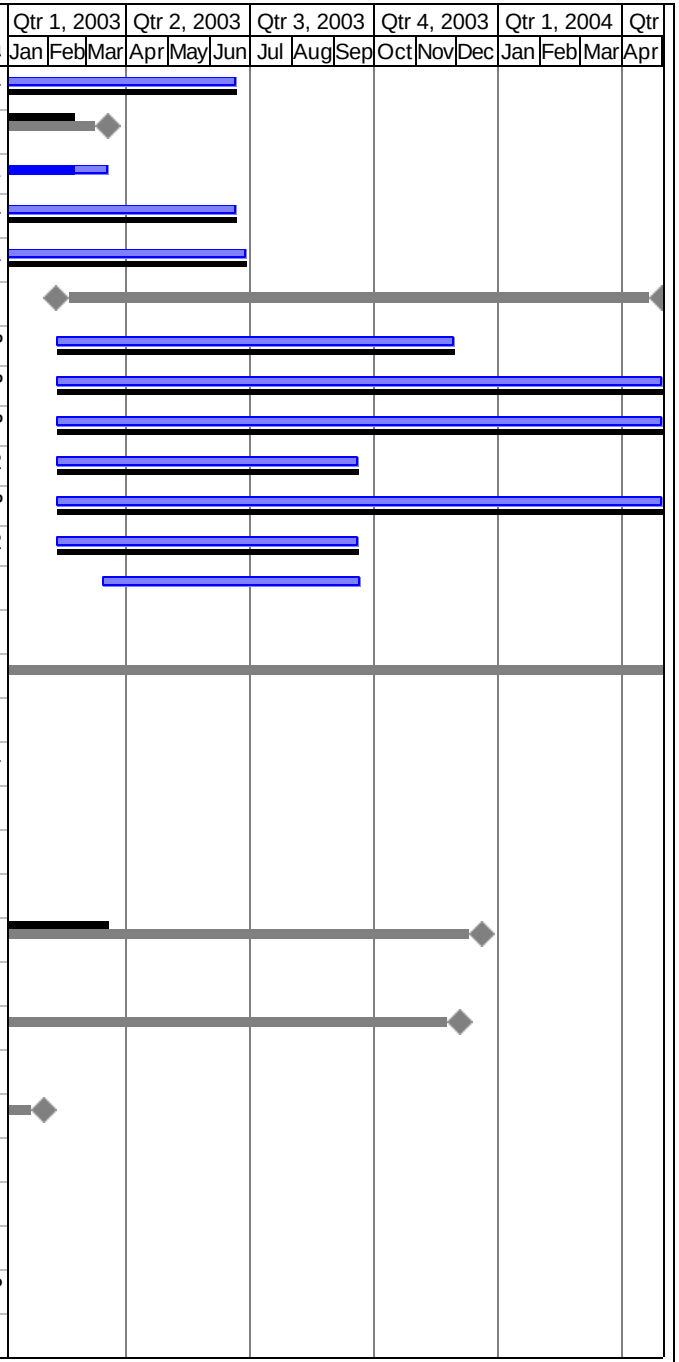
ID	Unique_I	Name	Releas	Resou
226	15016	**User Data Management / User data security management (Stage 1)**		S1
227	15022	**User Data Management / User data security management (Stage 3)**		N5
228	2540	**Access to User Profile**		S1
229	15024	**Retrieval of Visited Network capabilities**		N5
230	15025	**Access to IP Session information**		N5
231	15026	**Multi Media Messaging function**		N5
232	15027	**Enhanced user privacy in LCS**		N5
233	15028	**Policy management extensions**		N5
234	15029	**Presence and Availability Management (from the PRESNC WI)**		N5
235	15030	**Information Services**		N5
236	15031	**Information Transfer**		N5
237	15017	**Security**		S3
238	**1433**	**Retrieval of Terminal capabilities**		**S2**
239	1434	Stage 1		S1
240	1436	Stages 2 and 3		N5
241	2122	Provisionning of the terminal capabilities		T2
242	**32033**	**Handling of early UEs**	**Rel-6**	**S2**
243	32031	**Feasibility Study**		S2
244	32032	**Stage 2**		S2
245	**50401**	**Addition of frequency bands to GSM**	**Rel-6**	**GP**
246	**50094**	**Addition of frequency bands to GSM – Changes to core specs**	**Rel-6**	**G1**
247	51102	Changes to core specs		G1
248	**54102**	**Addition of frequency bands to GSM – Changes for conformance test**		**G4**
249	54103	51.010-1 Add testing		G4
250	**50130**	**Seamless support of streaming services in A/Gb mode**	**Rel-6**	**GP**
251	**51131**	**Identification of requirements for streaming**		**G1**
252	51133	Requirements		G1
253	**51132**	**Performance study of cell change mechanisms**		**G1**
254	51134	Performance of NACC		G1
255	51135	Performance of cell change in DTM for the PS domain		G1
256	51136	Handover		G1
257	**52131**	**Reduction of service interruption times and packet loss during mobil**		**G2**



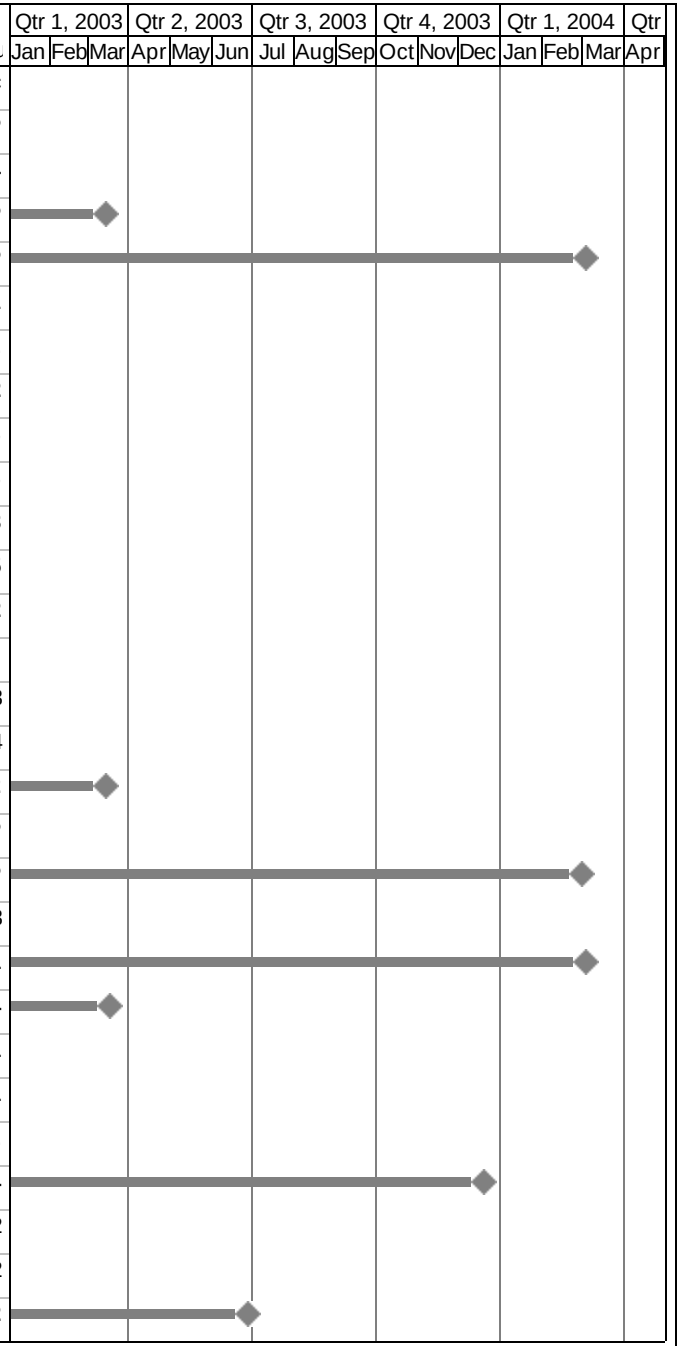
ID	Unique_I	Name	Releas	Resou
258	52133	Optimisations of existing mechanisms/procedures		G2
259	52134	Inter-system NACC		G2
260	52135	PS Handover (within GERAN and between GERAN and UTRAN)		G2
261	52136	Dependency to other features		G2
262	**54131**	**MS conformance testing**		**G4**
263	54132	MS conformance tests		G4
264	33013	**GERAN A/Gb mode security enhancements**		S3
265	34300	**Performance characterisation of default codecs for PS conversat**	Rel-6	S4
266	31029	**Study of Feature Interactions Requirements**	Rel6	S1
267	31030	**Study on Privacy Capability**	Rel-6	S1
268	**35010**	**Rel-6 OAM&P**	**Rel-6**	**S5**
269	35011	**Rel6 Principles, high level Requirements and Architecture**		S5
270	35012	**Rel6 Performance Management**		S5
271	**35013**	**Rel6 User Equipment Management**		**S5**
272	35020	UEM requirements and architecture; Stages 1 and 2		S5
273	35021	UEM protocol specification; Stage 3		T2
274	33014	Release 6 User Equipment Management: Security aspects		S3
275	35014	**Rel6 Network Infrastructure Management**		S5
276	35015	**Rel6 Trace Management**		S5
277	**35016**	**Charging Management**	**Rel-6**	**S5**
278	35017	**Charging Management for Bearer level**		S5
279	35018	**Charging Management for the IMS**		S5
280	35019	**Charging Management for the Service domain**		S5
281	32030	**Overall architectural aspects of IP flow based bearer level charging**		S2
282	**1800**	**Rel-6 UICC/USIM enhancements and interworking**	**NA**	**T3**
283	**1802**	**UICC API**	**NA**	**T3**
284	43001	Java API Test specification		T3
285	43003	Java API Test specification (TS 43.019 Rel-5)	Rel-5	T3
286	**43004**	**Rel-6 USIM toolkit enhancements**	**NA**	**T3**
287	**502031**	C SIM API	**Rel-6**	**T3**
288	502032	Specification		T3
289	502033	Test specification		T3



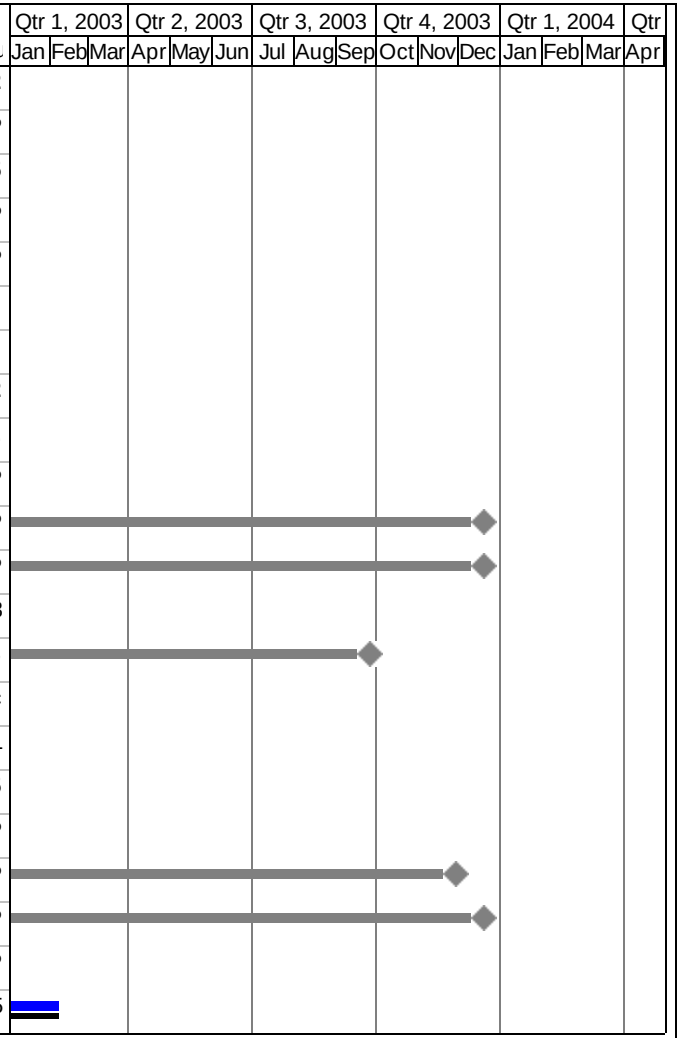
ID	Unique_I	Name	Releas	Resou
290	34021	**Enhanced Tandem Free Operation**	Rel-6	S4
291	**34022**	**Packet Switched Streaming Services Rel-6**	**Rel-6**	**S4**
292	31039	**New: Stage 1**		S1
293	34023	**AMR-WB extension for high audio quality**	Rel-6	S4
294	51101	**Single Antenna Receiver Interference Cancellation (SAIC)**	Rel-6	G1
295	**50500**	**Support of Conversational Services in A/Gb mode via the PS don**	**Rel-6**	**GP**
296	50501	**Creation of a TR**		GP
297	50502	**Stage 2**		GP
298	50503	**Radio Channel Support**		GP
299	50504	**Definition of radio resource management functionality**		GP;G2
300	50505	**PS Handover**		GP
301	50506	**Modifications to FLO**		GP;G2
302	12006	**Enhancement of dialled service for CAMEL**	Rel-6	N2
303	0	**----- Rel-4 features listed below -----**	Rel-4	
304	**1861**	**Miscelleneous UE Conformance Testing Activities**	**NA**	**T1**
312	**1340**	**Facsimile**	**Rel-4**	**S1**
319	1539	**Transparent End-to-End PS mobile streaming application**	Rel-4	S4
320	**1818**	**Multimedia Messaging**	**Rel-4**	**T2**
327	**1541**	**Transcoder-Free Operation**	**Rel-4**	**N4**
336	**2310**	**GERAN improvements 1 (Gb over IP)**	**Rel-4**	**GP**
340	**2314**	**GERAN improvements 2 (NACC)**	**Rel-4**	**GP**
350	**2324**	**GERAN improvements 4 (Delayed TBF)**	**Rel-4**	**GP**
357	**1222**	**Low Chip Rate TDD option**	**Rel-4**	**R1**
370	**1322**	**Enable bearer independent CS architecture**	**Rel-4**	**S2**
382	**1445**	**MExE enhancements Rel-4**	**Rel-4**	**T2**
391	**1631**	**Tandem Free aspects for 3G and between 2G and 3G systems**	**Rel-4**	**S4**
397	**2230**	**Advanced Speech Call Items enhancements_REL-4**	**Rel-4**	**N1**
400	**2403**	**700 MHz spectrum support**	**Rel-4**	**GP**
409	2463	**Operator Determined Barring for Packet Oriented Services**	Rel-4	NP
410	**2546**	**UMTS QoS Architecture for PS Domain**	**Rel-4**	**S2**



ID	Unique_I	Name	Releas	Resou
429	1993	**small Technical Enhancements and Improvements for Rel4**	Rel-4	eneric
430	**400002**	**Rel-4 Evolutions of the transport in the UTRAN**	**NA**	**RP**
435	**400004**	**Rel-4 Evolutions of the transport in the CN**	**NA**	**N4**
443	**401216**	**Rel-4 Improvements of Radio Interface**	**NA**	**RP**
458	**400009**	**Rel-4 RAN improvements**	**NA**	**RP**
469	**401652**	**Rel-4 Emergency call enhancements**	**NA**	**N1**
476	**401826**	**Rel-4 Terminal interfaces**	**NA**	**T2**
482	**401536**	**Rel-4 Location Services enhancements**	**NA**	**S2**
495	**401560**	**Rel-4 UICC/(U)SIM enhancements and interworking**	**NA**	**T3**
497	**401800**	**Rel-4 (U)SIM toolkit enhancements**	**NA**	**T3**
499	**401571**	**Rel-4 Security enhancements**	**NA**	**S3**
509	**401142**	**Rel-4 Charging and OAM&P**	**NA**	**S5**
516	**1517**	**Global Text Telephony**	**Indep**	**S2**
524	0	**----- Rel-5 features listed below -----**	Rel-5	
525	625	**IP transport in the UTRAN**	Rel-5	R3
526	2455	**FS on Usage of SUA**	Rel-5	N4
527	**2476**	**High Speed Downlink Packet Access**	**Rel-5**	**R2**
532	**501216**	**Rel-5 Improvements of Radio Interface**	**NA**	**RP**
545	**500009**	**Rel-5 RAN improvements**	**NA**	**RP**
563	23004	**UTRAN Sharing in Connected Mode**	Rel-5	R3
564	**1273**	**Provisioning of IP-based multimedia services**	**NA**	**S1**
640	**34001**	**Extended Transparent End-to-End PS Streaming Service**	**Rel-5**	**S4**
645	**501637**	**Rel-5 OSA enhancements**	**NA**	**S1**
668	**1638**	**CAMEL phase 4**	**Rel-5**	**S1**
682	**2464**	**Rel-5 MExE enhancements**	**Rel-5**	**T2**
684	**1625**	**Wideband Telephony Service - AMR**	**Rel-5**	**S4**
720	1826	**Terminal interfaces**	NA	T2
721	2573	**Terminal local model enhancements**	Rel-5	T2
722	**1536**	**Rel-5 Location Services enhancements**	**Rel-5**	**S2**



ID	Unique_I	Name	Releas	Resou
766	**2243**	**Intra Domain Connection of RAN Nodes to Multiple CN Nodes**	**Rel-5**	**S2**
777	**2320**	**GERAN improvements 3 (new transport layer on interface A)**	**Rel-5**	**GP**
781	**501142**	**Rel-5 Charging and OAM&P**	**NA**	**S5**
786	**2392**	**GERAN enhancements for streaming services 1 (RLC enhancem**	**Rel-5**	**GP**
789	**2396**	**GERAN enhancements for streaming services 2 (usage of ECSD)**	**Rel-5**	**GP**
795	**2412**	**GERAN/UTRAN interface evolution 1 (evolution of Iu PS)**	**Rel-5**	**GP;R3**
799	**2416**	**GERAN/UTRAN interface evolution 2 (evolution of Iu CS)**	**Rel-5**	**GP;R3**
803	**2556**	**End to End QoS for PS Domain including IMS**	**Rel-5**	**S2**
807	**2569**	**Messaging enhancements Rel-5**	**Rel-5**	**T2**
816	**50001**	**GERAN Inter BSC NACC improvements over the Gb Interface**	**Rel-5**	**GP**
823	**50033**	**Enhanced Power Control**	**Rel-5**	**GP**
827	**50037**	**8PSK AMR HR**	**Rel-5**	**GP**
839	13000	**Service Change and UDI Fallback**	Rel-5	N3
840	**501800**	**Rel-5 USIM toolkit enhancements**	**NA**	**T3**
848	30001	**small Technical Enhancements and Improvements for Rel5**	Rel-5	eneric
849	31013	**Technical Report on UE Functionality Split**	Rel-5	S1
850	**2520**	**User Equipment Management**	**NA**	**S5**
852	**50101**	**Flow control supporting an MS with multiple data flows with diffe**	**Rel-5**	**GP**
858	**50058**	**Multiple TBF in A/Gb mode**	**Rel-5**	**GP**
865	**2345**	**Alignment of 3G functional split and Iu**	**Rel-5**	**GP**
912	**2330**	**GERAN support for IMS**	**Rel-5**	**GP**
925	54001	**MS Conformance Testing of Dual Transfer Mode**	NA	G4;G5



Project: 3GPP_Work Plan
Date: Wed 19/03/03