TSGs CN, RAN, T and SA

TSGN#10(00)0688

Meetings #10, Bangkok, Thailand, 05-14 December 2000

Source: **MCC**

3GPP Work Plan – Cover page

Version 2000, December 5th

Introduction

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

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

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

Specific comments for this version

General comments

Acronyms have been added.
The Unique ID field is now appearing just before the name.
A "Release" field, based simply on the end date, has been added. It applies to the non-splitable feature. For splitable feature, the "Release" field 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.
Warning: the Rel4/Rel5 values of the "Release" field have been established only on the basis of estimated end dates, using the following simple algorithm:

- End date before or equals end of March 2001 => Release 4
- End date after end of March 2001 => Release 5

The actual content of each Release is subject of further discussions at TSG #10 plenaries.

Enhancements of the layout have been made: the names of the features are in bigger characters than BB names, and BB names are bigger than WT names.

Changes since last TSGs

Note: this section is not satisfactory as such: the changes being performed by WG N1 and N3 are detailed, whereas the changes from all the other WGs are not presented.

The content of this section will be normalized next time as proposed in a companion contribution from MCC.

Changes included in version December 5th:

Information from the following groups (via MCC) has been considered:
N1, N2, N3, N5
S2, S5
T1, T2, T3
R1, R2
Complete review of the GERAN WIs thanks to Frank Müller.

Detailed information is available from N1 and N3:
N1:
CN1#14, 20-24, Nov. 2000
ID 1654 / 1321, target date moved to TSGN #11
WT to be added for CN1 in GSM 700, 100 % complete in TSGN #10
ID 1526/ 1360: new approach with pre-negotiation is being considered but no CN1 plans are available yet.
ID 1657: 100 % completed.
ID 526: CN1 LCS 10%
ID 1998 and ID 1278, same WT gets the same WID. Make a clear note in each.

N3:
Comments to Work_Plan_3GPP_001127-following CN3#14 Meeting
For [U-ID 2047] Multimedia domain and CS networks Interworking - changed the approval level to TSG
For [U-ID 2048] Multimedia domain and IP networks Interworking - changed the approval level to WG
For [U-ID 1341] RT Fax - changed the approval level to TSG
For [U-ID 1524] GTT Interworking added an important note "Ericsson suspect the work will be done using a special CODEC for speech and data - with no involvement from CN3"
For [U-ID 1541] TrFO - lead given to CN4 (should NOT be CN)
For [U-ID 2132] IWF at the EDGE - New WT added with the note "The WID has been added on the request of CN Plenary. However we now have 4 supporting companies and NO RAPPORTEUR Hence this WID cannot be presented to CN Plenary for APPROVAL"

Changes included in version November, 6th:

This version contains (or is supposed to contain) the agreed material from SA #9. It also incorporates some corrections of the incorporations of other TSG's #9 results.
More specifically, the following inputs have been considered:
Review with T. Kokkola (Nokia) for S1's activities
Incorporation of S2 agreed material at SA #9 provided by A. Sultan (MCC)
Incorporation of S3 agreed material at SA #9 provided by M. Pope (MCC)
Incorporation of S4 agreed material at SA #9 provided by P. Usai (MCC)
Incorporation of S5 agreed material at SA #9 provided by A. Zoicas (MCC)
Incorporation of N3 agreed material at CN #9 provided by D. Boswarthick (MCC)
Editorial enhancements of T3 tasks by M. Sanders (MCC)
Comments from Alexander Milinski (Siemens, IGC convenor), Denis Fauconnier (R2 chairman) and François Courau (Alcatel, RAN vice-chairman).

GTT end date moved to June (due to S2 delay in providing Stage 2 TS in v.1)
Two "features" were presented by SA5 and approved by SA: "Subscription Management" and "UTRAN Operations and Maintenance procedures". They are then incorporated in this version. However, it should be checked if they are really features.
Lot of review by S3.

Detailed information is available from N1:
QoS is also an Issue to be studied by N1, also UE-CN QoS channel is needed to be studied.

Emergency call enhancement- Packet based: Extension of date agreed in TSGN#9 to make it as the end of the multimedia WI where it is not possible to have the EMC before the basic call!

Changes agreed by the meeting:

- ID 1998 it is changing the title and to Signalling flows and add the specification number 3GPP TS 24.228
- ID 1278 needs to be named the title of 3GPP TS 24.229 and add the spec number.
- ID 1804 and ID 1651 is under N1 responsibility but we need feed back from S1 for the requirements.
- ID 1321 add the work task "Emergency call recalling capability enhancement" to PS ECE- BB
- ID 1315 add a comment will not cause to create a new specification as such , it will be covered in CN1 multimedia specifications. Detailed CLFWS for EMC in 24.228
- ID 1646 will be covered by 24.229. Change the titles to " Stage 3 for emergency calls and packet emergency calls in general". 3 different work task for this issue should be aligned with the Multimedia work task , the third is for 23.228/ S2!! Alain is informed.
- ID 1408, ID 1412 neither is clear, CN1 would like to know what we are expected to do. We have not done anything yet!
- ID 892 is questionable, delete and keep 1656, David B is informed to do it.
- ID 1656 and 1657: link these two with a note in both as one common set of codec negotiation procedures will be specified.
- ID 1180 , ID 526, ID 527 check how they related, the notation.. Ask Alain to remove ID 1180.
- ID 1659 and 1545: The note from 1551 to be duplicated to these WTs as it applies to all of them.
- ID 1661 is to be marked 100%
- UE triggered re-authentication is missing . Suppose to be S3, if something is expected from CN1 they need to say that.

Conclusion: Changes are to be incorporated in the new version of the work plan. Duncan Mills is to clarify the "UE triggered re-authentication" issue.

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).

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 is the Work Plan updated?

The Work Plan is updated according to the proposals of MCCs, Chairmen, Working Groups and the decisions of the TSGs.
When a proposal is rejected by the TSG, then the WI has to be deleted from the Work Plan.

The rules for modifications of WIs are the following:

- A WG can only modify the WIs under its responsibility, as well as the WIs below it: e.g. if the WG is responsible of a BB, it can modify the BB and all the corresponding WTs, even it does not have the main responsibility for these WTs. These WI modifications have to be later officially approved by the corresponding TSGs. This rule applies also to the creation and the deletion of WI(s). A TSG can act on behalf of all his WGs.
- All the editing of the Work Plan (WGs' proposals, track of the work progress, TSG's decisions) is performed by MCC: each member of the MCC support team includes the changes proposed or decided by his/her group. Comments on the inaccuracy of the Work Plan on a given WI shall then be addressed directly to the responsible MCC support team member.
- **A modification proposed by a WG on a WI that impacts other WG(s) has to be pointed out to all the impacted WGs and, if possible, the impacted WGs' chairmen have to be consulted before the modification is proposed (as to minimise the risk of disagreement between WGs).**

History

Version of September 14th:

- The field "splitable" has been introduced. For a given WI, it identifies whether its children WIs can be split on different Releases (splitable= "yes") or if the WI has to be considered as a single block (splitable= "no").
- Milestones are now appearing in the Gantt Chart
- The inputs considered for the elaboration of this version are:
    - Key results of the SA ad-hoc of Helsinki
    - Verbal inputs from the IGCs (one meeting in Bristol)
    - MCC updates (based on WG's review or discussion with chairmen):
        - N3 meeting #12 (David Boswarthick)
        - GERAN GP-00480 (Paolo Usai)
        - N1 meeting #13 (Ban Al Bakri)
        - T2 meeting #10 (Friedhelm Rodermund)
        - Peter George and Lidia Salmeron for T1
        - Michael Sanders for T3
        - Hans van der Veen for TSG RAN
        - Carolyn Taylor for R3
    - Also, Vodafone's proposal on completion date was considered each time it was not conflicting with the previous inputs.
- "R4" and "R5" have been deleted from the name of the features. They will be reintroduced as soon as the R4 content will be officially approved.

Version of September 26th:

Inclusions of comments from TSG T, CN and RAN #9 meetings.
The major modifications are:
By T groups:

- Testing dispatched to other features
- Incorporation of T approved WIs
- Advanced Cell Broadcast deleted (no active work on this feature since the beginning)

By RAN groups:

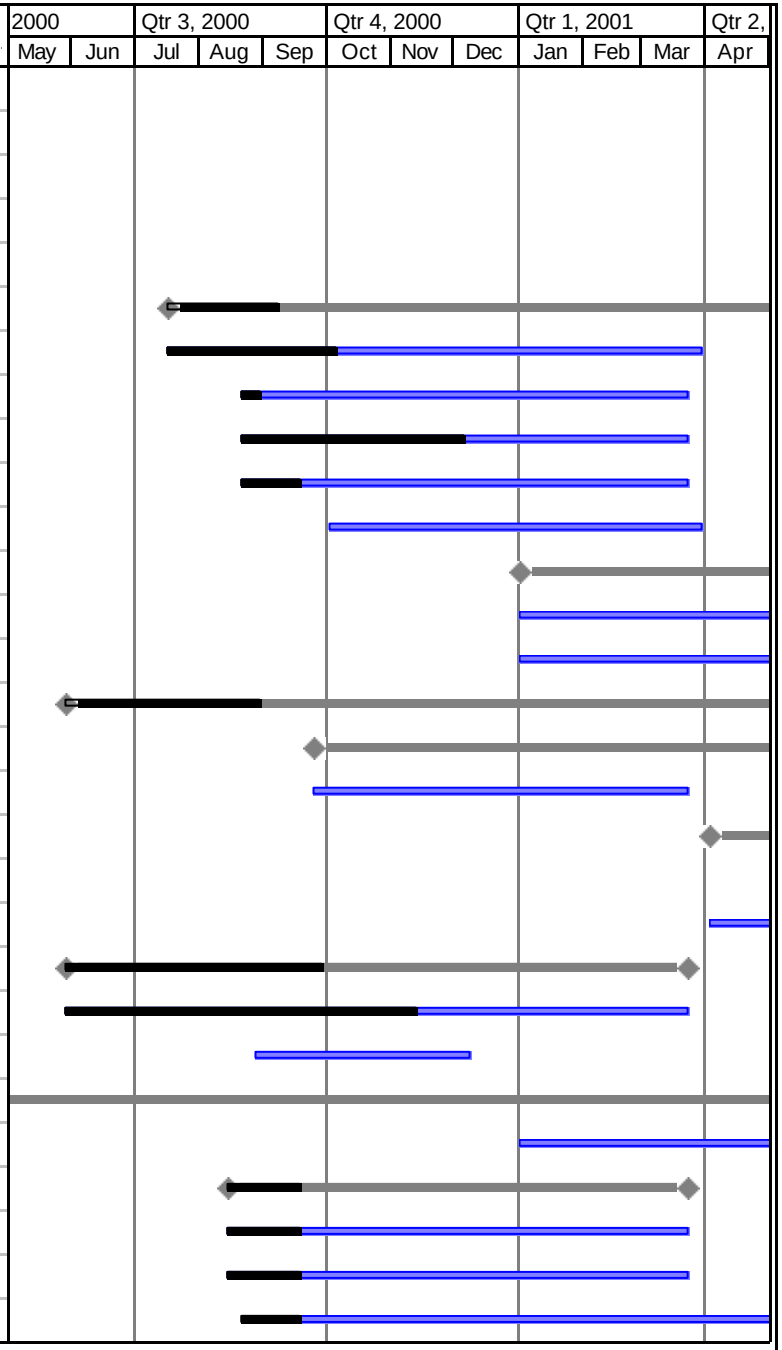
- "Evolution of transport" split into "Evolution of transport for CN" and "Evolution of transport for UTRAN": this split was decided by TSG RAN and TSG CN chairmen but does not fit with the spirit of features being transversal items through all the system.
- "RAN technical small enhancements and improvements" added
- lot of work in updating all the RAN WIs

By CN groups:
Updates by all CN WGs, but:

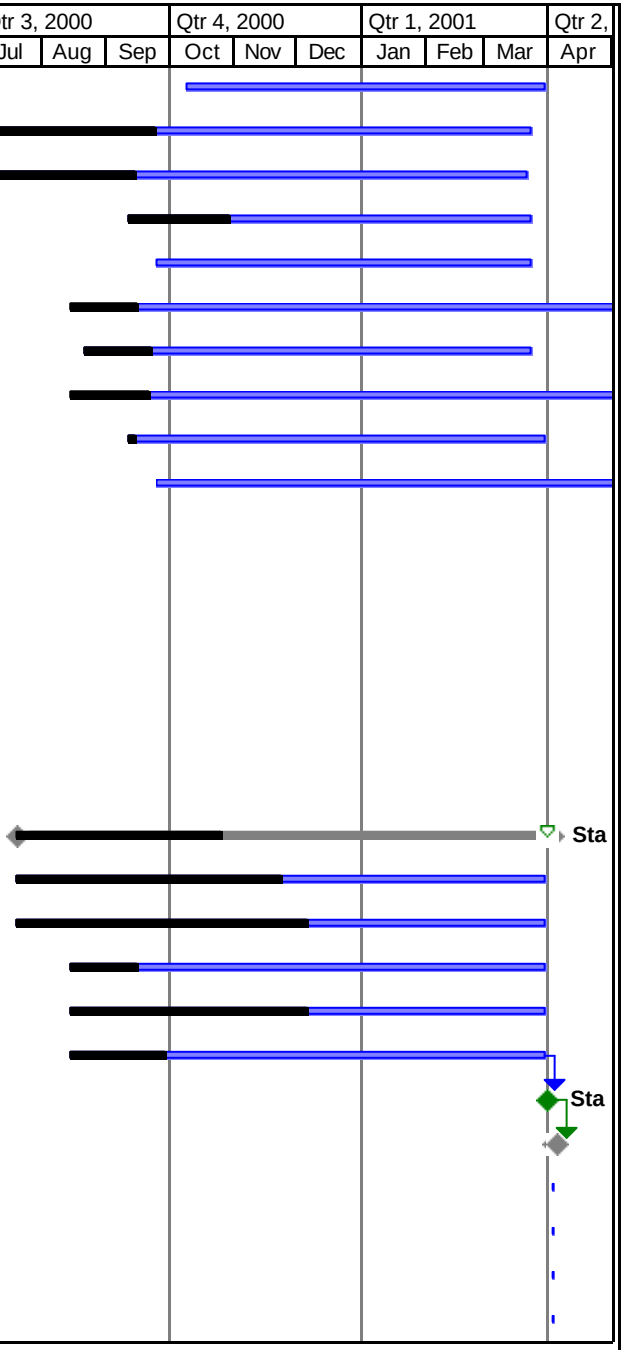
- N3 updates not incorporated because incomprehensible (seems to make only one change, and this change is meaningless!).
- N5 update to add "Support of VHE/OSA by R4 network entities and protocols of the IM subsystem (e.g. CSCF)" not incorporated: not clear: IM subsystem is Rel 5, not R4.

The following BBs are deleted by CN (part of "Evolutions of the transport in the CN"):
User/signalling data transport on TCP/RTP/UDP/IP based bearers (Nb/Nc)
User/signalling data transport on ATM/AAL2 bearers (Nb/Nc)
"CAMEL phase 5" deleted because the only stage 3 WT previously composing it ("CAMEL applicability to media streams like VoIP") has now been moved to CAMEL phase 4.
N2 updates: the following items have been added: "Charging notification to the CSE", "Call Party Handling", "Mid call procedure for MO and MT calls" and "Inclusion of flexible tone injection"

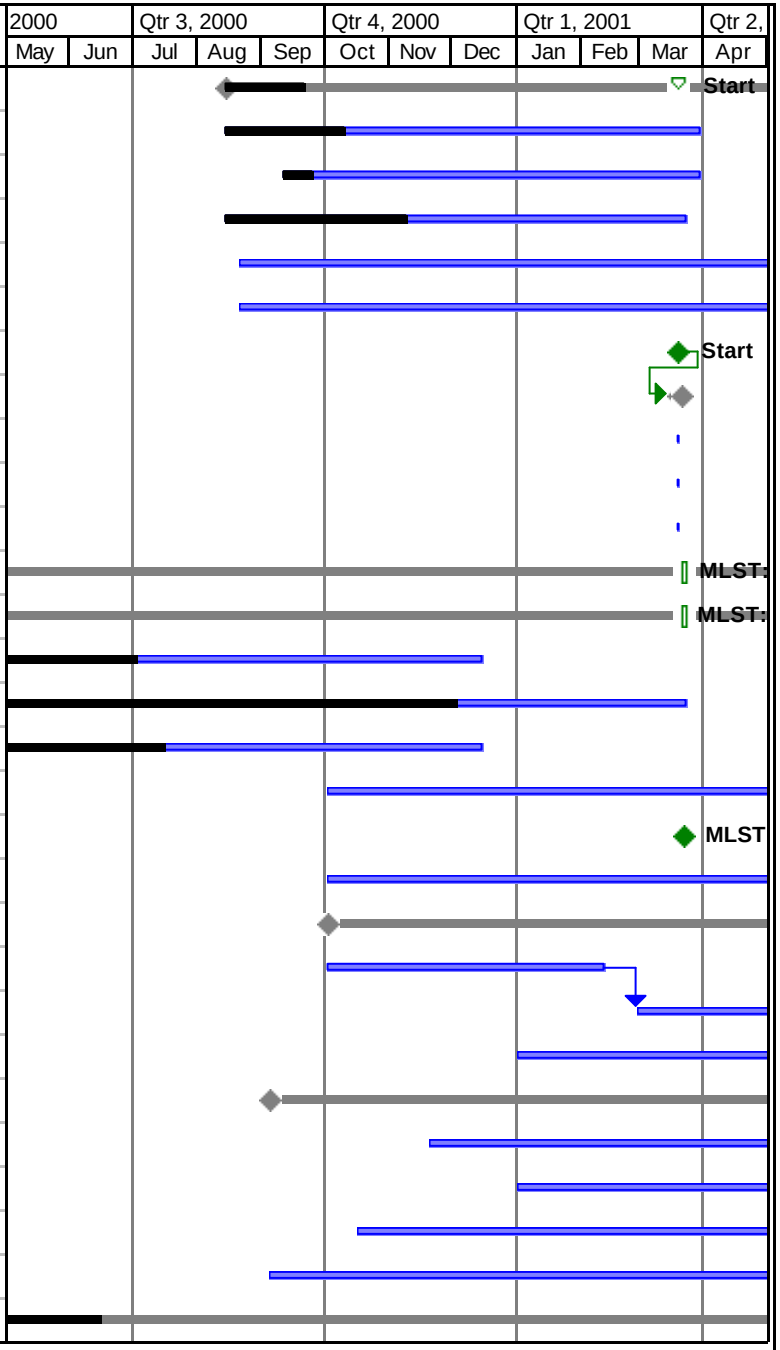
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
1	2044	**VERSION Dec. 5th**		No			MCC
2	1462	**"CTRL + a" to display all the 3GPP fiel**		No			MCC
3	1463	**If MS Project crashes, hide the "hyperl**		No			MCC
4	2058						
5	96			No			
6	**2**	**Evolutions of the transport in the UTR/**	**NA**	**Yes**	**TSG RAN**	**ETRAN**	**TSG**
7	625	**IP transport in the UTRAN**	Rel4	No	WG RAN3	ETRAN-IPtrans	TSG
8	624	**RAB support enhancement - no ROHC**	Rel5	No	WG RAN2	ETRAN-RABSE	TSG
9	2206	**RAB support enhancement - ROHC part**		No	WG RAN2	ETRAN-RABSE	
10	12	**QoS optimisation for AAL2 connections**	Rel4	No	WG RAN3	ETRAN-QoSAAL2	TSG
11	1995	**Migration to modification procedures**	Rel4	No	WG RAN3	ETRAN-MigrMod	TSG
12	**1834**	**Conformance Test Aspects**		**No**	**WG T1**		**CHAIR**
13	2208	Testing RAB support enhancements		No	WG T1	CT-RABS?	CHAIR
14	1837	Logical Test Interface, Specification, R4 evoluti		No	WG RAN2		CHAIR
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	**CNTRSP**	**MCC**
16	**859**	**IP Transport of CN protocols (e.g., CAP,**	**Rel5**	**No**	**WG CN4**	**IPinCN**	**MCC**
17	1678	Stage 2		No	WG SA2	IPinCN	MCC
18	**1679**	Stage 3		**No**	**WG CN4**	**IPinCN**	**MCC**
19	2018	CAP		Yes	WG CN2	IPinCN	MCC
20	2019	MAP		No	WG CN4	IPinCN	MCC
21	**1513**	**FS on Transport and control separation**		**No**	**WG SA2**		**TSG**
22	1615	Architectural impacts		No	WG SA2		WG
23	1614	Protocol impacts		No	WG CN4		WG
24	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**RInImp**	**TSG**
25	1470	**Improvement of inter-frequency and in**	Rel5	No	WG RAN1	RInImp-IfIsM	TSG
26	**1471**	**Base station classification**	**Rel4**	**No**	**WG RAN4**	**RInImp-BSClass**	**TSG**
27	1476	FDD Base station classification		No	WG RAN4	RInImp-BSClass-FDI	TSG
28	1477	TDD Base station classification		No	WG RAN4	RInImp-BSClass-TDI	TSG
29	1217	**Hybrid ARQ II/III**	Rel5	No	WG RAN2	RInImp-HARQ	TSG



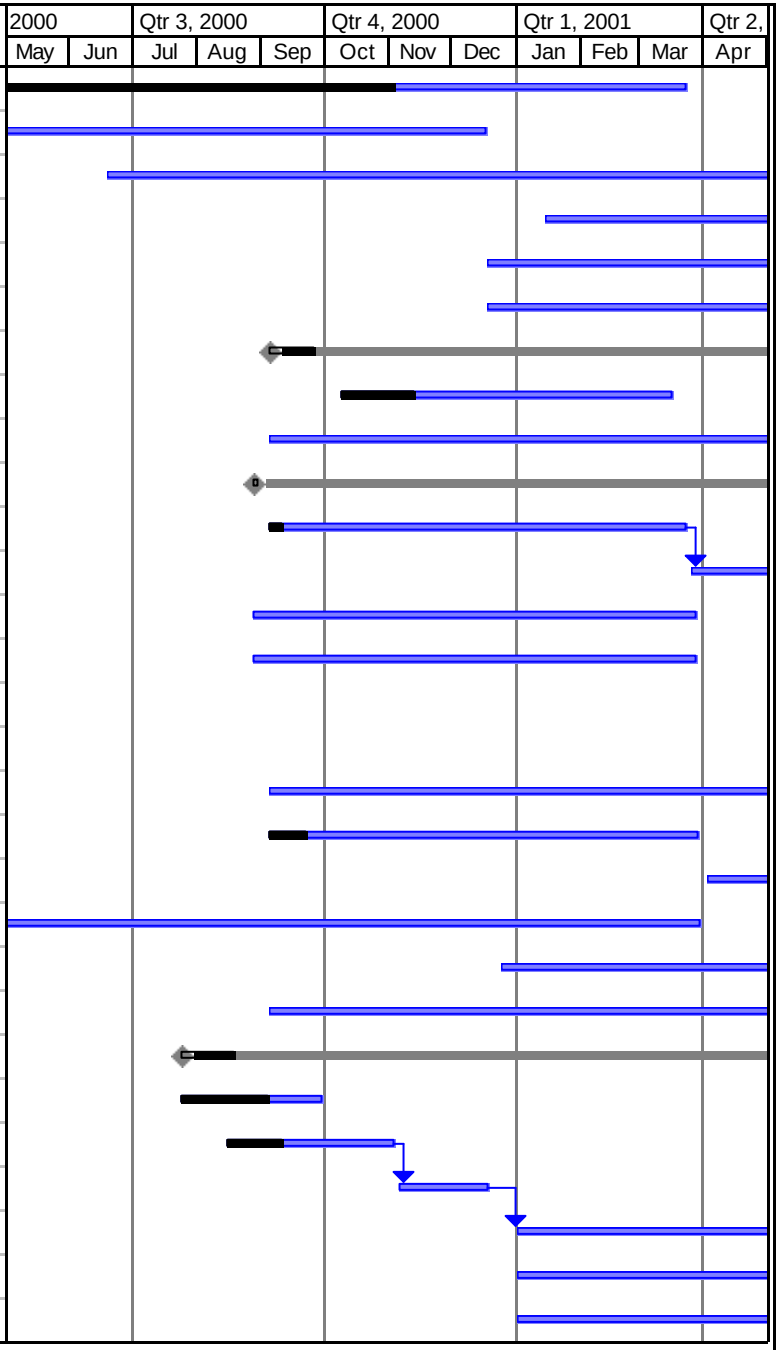
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
30	1218	**Improved usage of downlink resource ir**	Rel4	No	WG RAN2	RInImp-CCTrCH	TSG
31	1507	**Terminal Power Saving features**	Rel4	No	WG RAN1	RInImp-TPS	TSG
32	1509	**UTRA repeater specification (master)**	Rel4	No	WG RAN4	RInImp-REP	TSG
33	1994	**DSCH power control improvement in sc**	Rel4	No	WG RAN1	RInImp-DSCHsho	TSG
34	1996	**UMTS 1800**	Rel4	No	WG RAN4	RInImp-UMTS18	TSG
35	1506	**FS on Radio link performance enhance**		No	WG RAN1	RInImp-Rlperf	TSG
36	1219	**FS on High Speed downlink packet acc**		No	WG RAN2	RInImp-HSDPA	TSG
37	1221	**FS on USTS**		No	WG RAN1	RInImp-USTS	TSG
38	1510	**FS on improved common DL channel fo**		No	WG RAN2	RInImp-DLCFACH	TSG
39	1997	**FS on UE antenna efficency test metho**		No	WG RAN4	RInImp-UEAnTM	TSG
40	**1839**	**Conformance Test Spec. improvements**		**No**	**WG T1**		**CHAIR**
41	2210	Testing improvement of inter-frequency and int		No	WG T1		CHAIR
42	2211	Testing Hybrid ARQ II/III		No	WG T1		CHAIR
43	2212	Testing Improved usage of downlink resource i		No	WG T1		CHAIR
44	2213	Testing Terminal Power saving features		No	WG T1		CHAIR
45	2214	Testing DSCH power control improvement in s		No	WG T1		CHAIR
46	2215	Testing UMTS 1800		No	WG T1		CHAIR
47	**1222**	**Low Chip Rate TDD option**	**Rel4**	**No**	**WG RAN1**	**LCRTDD**	**TSG**
48	1223	**Physical layer**		No	WG RAN1	LCRTDD-Phys	TSG
49	1224	**Layer 2 and layer 3 protocol aspects**		No	WG RAN2	LCRTDD-L23	TSG
50	1225	**RF radio transmission/reception, syster**		No	WG RAN4	LCRTDD-RF	TSG
51	1227	**UE radio access capability**		No	WG RAN2	LCRTDD-Uerac	TSG
52	1228	**Iub/Iur protocol aspects**		No	WG RAN3	LCRTDD-Iublur	TSG
53	1911	**Start Testing**		No			
54	**2103**	**Conformance Test Aspects - Low Chip F**		**No**	**WG T1**		**CHAIR**
55	2216	Testing Physical Layer		No	WG T1		CHAIR
56	2217	Testing Layer 2 and layer 3 protocol aspects		No	WG T1		CHAIR
57	2218	Testing RF Radio Transmission and Reception		No	WG T1		CHAIR
58	2219	Testing UE radio access capability		No	WG T1		CHAIR



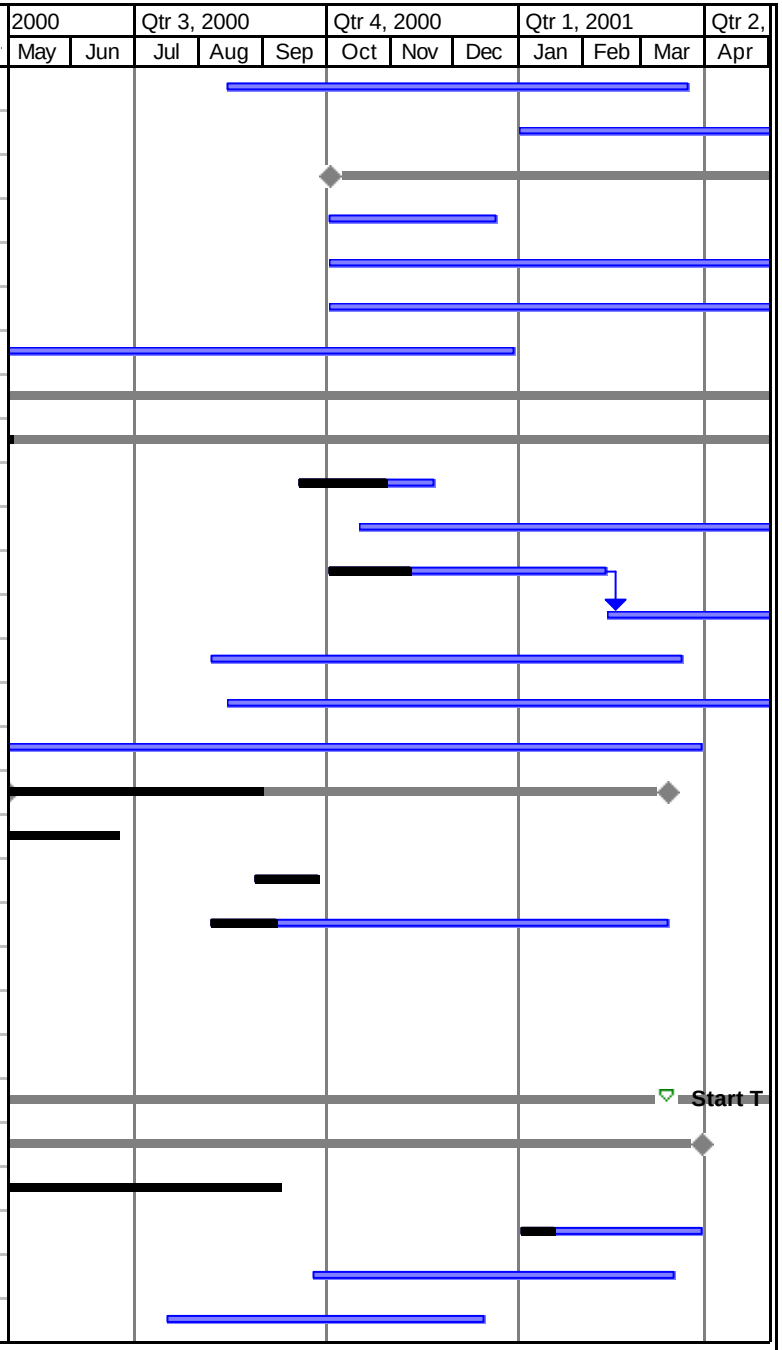
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
59	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**RANimp**	**TSG**
60	1466	**Smart antenna**	Rel4	No	WG RAN1	RANimp-SmartA	TSG
61	656	**RRM optimization for Iur and Iub**	Rel4	No	WG RAN3	RANimp-RRMopt	TSG
62	655	**Node B synchronisation for TDD**	Rel4	No	WG RAN1	RANimp-NBsync	TSG
63	1680	**Header compression removal/stripping**	Rel5	No	TSG RAN		CHAIR
64	1686	**Unequal error protection in PS domain**	Rel5	No	TSG RAN		CHAIR
65	1912	**Start Testing**		No			
66	**2102**	**Conformance Test Aspects - RAN Impro**		**No**	**WG T1**		**CHAIR**
67	2220	Testing Smart antenna		No	WG T1		
68	2221	Testing Node B synchronisation for TDD		No	WG T1		
69	2222	Testing Radio access bearer support enhancm		No	WG T1		
70	**1273**	**Provisioning of IP-based multimedia s**	**Rel5**	**No**	**WG SA1**	**IMS**	**TSG**
71	**1274**	**Call control and roaming to support IP-**		**No**	**WG SA2**	**IMS-CCR**	**TSG**
72	1633	Stage 1		No	WG SA1	IMS-CCR	MCC
73	1514	Stage 2 (Architecture and Main flows)		No	WG SA2	IMS-CCR	TSG
74	1277	FS on Impacts on HSS		No	WG CN4	IMS-CCR	MCC
75	1998	IP multimedia subsystem signalling flows		No	WG CN1	IMS-CCR	TSG
76	1673	MLST: Stage 3 for basic calls		No	?		
77	1278	IP multimedia subsystem stage 3		No	WG CN1	IMS-CCR	TSG
78	**1804**	SIP interactions with the Rel4 Supl Services		**No**	**WG CN1**	**IMS-CCR**	**CHAIR**
79	1650	Check if any		No	WG SA1	IMS-CCR	CHAIR
80	1651	Stage 3 if applicable		No	WG CN1	IMS-CCR	CHAIR
81	1280	SIP SS and relationship to Mg, Mw and Cx		No	WG CN4	IMS-CCR	CHAIR
82	**1281**	Multimedia Capabilities		**No**	**WG CN1**	**IMS-CCR**	**MCC**
83	1282	Terminal capabilities		No	WG CN1	IMS-CCR	MCC
84	1806	Terminal capabilities and Interactions on ru		No	WG T2	IMS-CCR	MCC
85	1805	Network capabilities		No	WG CN1	IMS-CCR	MCC
86	1285	Network capabilities (N4 aspects)		No	WG CN4	IMS-CCR	MCC
87	**1286**	CSCF – HSS (Cx) applications and services (SC		**No**	**WG SA2**	**IMS-CCR**	**MCC**



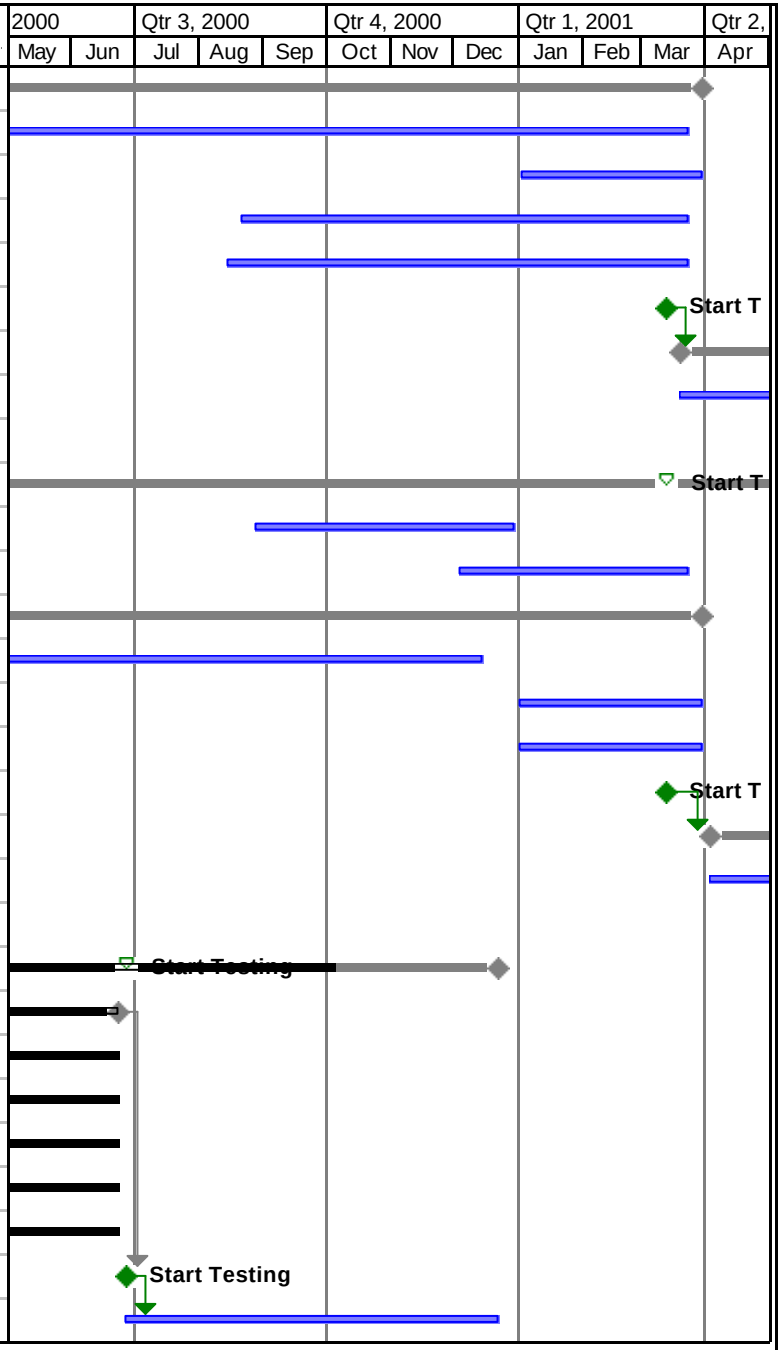
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
88	1515	Stage 2 flows		No	WG SA2	IMS-CCR	MCC
89	2021	Stage 2 flows (N4) (see note)		No	WG CN4	IMS-CCR	MCC
90	2023	Impacts from CAMEL		No	WG CN4	IMS-CCR	MCC
91	1288	Impact on Camel Stage 3		No	WG CN2	IMS-CCR	MCC
92	1289	Impact on MAP		No	WG CN4	IMS-CCR	MCC
93	2024	Stage 3 protocol on Cx		No	WG CN4	IMS-CCR	MCC
94	**1290**	Addressing, Identities		**No**	**WG SA2**	**IMS-CCR**	**MCC**
95	1291	Architectural issues		No	WG SA2	IMS-CCR	MCC
96	1292	Impact on HSS		No	WG CN4	IMS-CCR	MCC
97	**1294**	Interworking with other multimedia protocols		**No**	**WG CN3**	**IMS-CCR**	**MCC**
98	1295	Requirements		No	WG SA1	IMS-CCR	MCC
99	1296	Impact on MM/CC/SM		No	WG CN1	IMS-CCR-IWMM	MCC
100	2047	Multimedia domain and CS networks Inter		No	WG CN3	IMS-CCR-IWCS	WG
101	2048	Multimedia domain and IP networks Interw		No	WG CN3	IMS-CCR-IWIP	MCC
102	1913	**Start Testing**		No			
103	1844	**Conformance Test Aspects - Provisioni**		No	WG T1	IMS-TEST	CHAIR
104	1298	**Access Security for IP-multimedia servi**		No	WG SA3	IMS-ASEC	TSG
105	1299	**Lawful interception**		No	WG SA3	IMS-LI	TSG
106	1300	**RAN improvements and evolution of th**		No	TSG RAN	IMS-RAN	MCC
107	1597	**(Copy1) Ensure reliable QoS for PS don**		No	WG SA2		
108	1303	**Charging and OAM&P for IP-based mul**		No	WG SA5	IMS-OAM	MCC
109	1598	**(Copy) AMR-WB**		No	WG SA4		
110	**1305**	**Roaming between IP multimedia and C**		**No**	**WG CN4**	**IMS-ONCS**	**MCC**
111	1457	Roaming requirements		No	WG SA1		TSG
112	1306	Stage 2		No	WG SA2		TSG
113	1307	Stage 2 review		No	WG CN4		MCC
114	1456	Internetwork roaming aspects		No	?		TSG
115	2227	MExE interactions		No	WG T2		
116	2228	MMS interactions		No	WG T2		WG



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
117	1310	**Support of VHE/OSA by Rel4 network el**		No	WG CN5	IMS-ONOSA	TSG
118	1732	**Number portability in IM subsystem**		No	WG CN4	IMS-MNP	MCC
119	**2036**	**Multimedia codecs and protocols for cc**		**No**	**WG SA4**	**IMS-CODEC**	**TSG**
120	2039	Codecs		No	WG SA4		TSG
121	2040	performance characterisation of codec		No	WG SA4		TSG
122	2038	protocols		No	WG SA4		TSG
123	1539	**Transparent End-to-End PS mobile stre**	Rel4	No	WG SA4	PSTREAM	TSG
124	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**EMC1**	**WG**
125	**1653**	**For IP & PS based calls**	**Rel5**	**No**	**WG CN1**	**EMC1-PS**	**TSG**
126	1314	Service Requirements for IP-based emergency		No	WG SA1	EMC1-PS	MCC
127	1315	SIP emergency calls and packet emergency ca		No	WG CN1	EMC1-PS	MCC
128	1316	Stage 2 for emergency calls and packet emerg		No	WG SA2	EMC1-PS	MCC
129	1317	Distinction of emergency call types to different		No	WG CN1	EMC1-PS	MCC
130	2101	Emergency call recalling capability enhanceme		No	WG CN1	EMC1-PS	MCC
131	1646	Stage 3 for emergency calls and packet emerg		No	WG CN1	EMC1-PS	MCC
132	1605	(Copy2) Ensure reliable QoS for PS domain an		No	WG SA2		MCC
133	**1654**	**For CS based calls**	**Rel4**	**No**	**WG CN1**	**EMC1-CS**	**TSG**
134	1320	Distinction in CS domain of emergency call typ		No	WG SA1	EMC1-CS	MCC
135	1999	Distinction in CS domain of emergency calls to		No	WG CN1	EMC1-CS	MCC
136	1321	Emergency call recalling capability enhanceme		No	WG CN1	EMC1-CS	MCC
137	**2224**	**Conformance Test Aspects - Emergenc**		**No**	**WG T1**		
138	2225	Testing Stage 3 for emergency calls and packe		No	WG T1		
139	2226	Testing CS based emergency calls		No	WG T1		
140	**1322**	**Enable bearer independent CS archite**	**Rel4**	**No**	**WG SA2**	**CSSPLIT**	**TSG**
141	**1323**	**Enable bearer-independent call control**		**No**	**WG CN4**	**CSSPLIT**	**WG**
142	1516	Architecture and Stage 2 description on 23.002		No	WG SA2	CSSPLIT	MCC
143	1325	Standardisation of protocols (control & user pla		No	WG CN3	CSSPLIT	TSG
144	1326	Standardisation of protocols over reference pc		No	WG CN4	CSSPLIT	TSG
145	1616	Standardisation of detailed stage 2 description		No	WG CN4	CSSPLIT	TSG



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
146	**1327**	Bearer control between MSC server and MGW		**No**	**WG CN4**	**CSSPLIT**	**TSG**
147	1328	stage 3 - protocol issues		No	WG CN4	CSSPLIT	TSG
148	1329	stage 3 - parameter value issues		No	WG CN3	CSSPLIT	MCC
149	1331	**Lawful interception**		No	WG SA3	CSSPLIT	MCC
150	1332	**Bearer Independence and codec contro**		No	WG SA4	CSSPLIT	MCC
151	1918	**Start Testing**		No			MCC
152	**2052**	**Conformance Test Aspects - Enable bea**		**No**	**WG T1**	**CSSPLIT-TEST**	**MCC**
153	1847	UE Conformance test spec., Bearer independer		No	WG T1	CSSPLIT-TEST	MCC
154	1848	UE Conformance test spec., Bearer independer		No	WG T1	CSSPLIT-TEST	MCC
155	**1333**	**CS multimedia services**	**Rel4**	**No**	**WG SA2**	**CSM**	**MCC**
156	1338	**Stage 1**		No	WG SA1	CSM	MCC
157	1339	**Stage 2 (has it to be handled? H.324 M**		No	WG SA2	CSM	MCC
158	**1655**	**Circuit-switched multimedia swap and**		**No**	**WG CN3**	**CSM-SWAP**	**MCC**
159	1335	Call control and signalling aspects		No	WG CN1	CSM-SWAP-CC	MCC
160	1336	Transport aspects		No	WG CN3		MCC
161	1337	inband signalling		No	WG CN3		MCC
162	1920	**Start Testing**		No			
163	**2056**	**Conformance Test Aspects - CS multim**		**No**	**WG T1**	**CSM-TEST**	**CHAIR**
164	1849	UE Conformance test spec. CS multimedia serv		No	WG T1		CHAIR
165	1850	UE Conformance test spec. CS multimedia serv		No	WG T1		CHAIR
166	**1340**	**Facsimile**	**Rel4**	**No**	**WG SA1**	**FAX**	**TSG**
167	**1341**	**Real Time Fax**		**No**	**WG SA2**	**FAX-RT**	**MCC**
168	1808	Terminal capabilities, AT commands		No	WG T2	FAX-RT	MCC
169	1343	Signalling aspects (e.g. ICM)		No	WG CN1	FAX-RT	MCC
170	1648	Service provision		No	WG CN3	FAX-RT	MCC
171	1345	Review whether service/stage 1 aspects need		No	WG SA1	FAX-RT	MCC
172	1346	Review whether architecture/stage 2 aspects		No	WG SA2	FAX-RT	MCC
173	2041	**Start Testing**		No			MCC
174	1851	**Conformance Test Aspects - Facsimile**		No	WG T1		MCC



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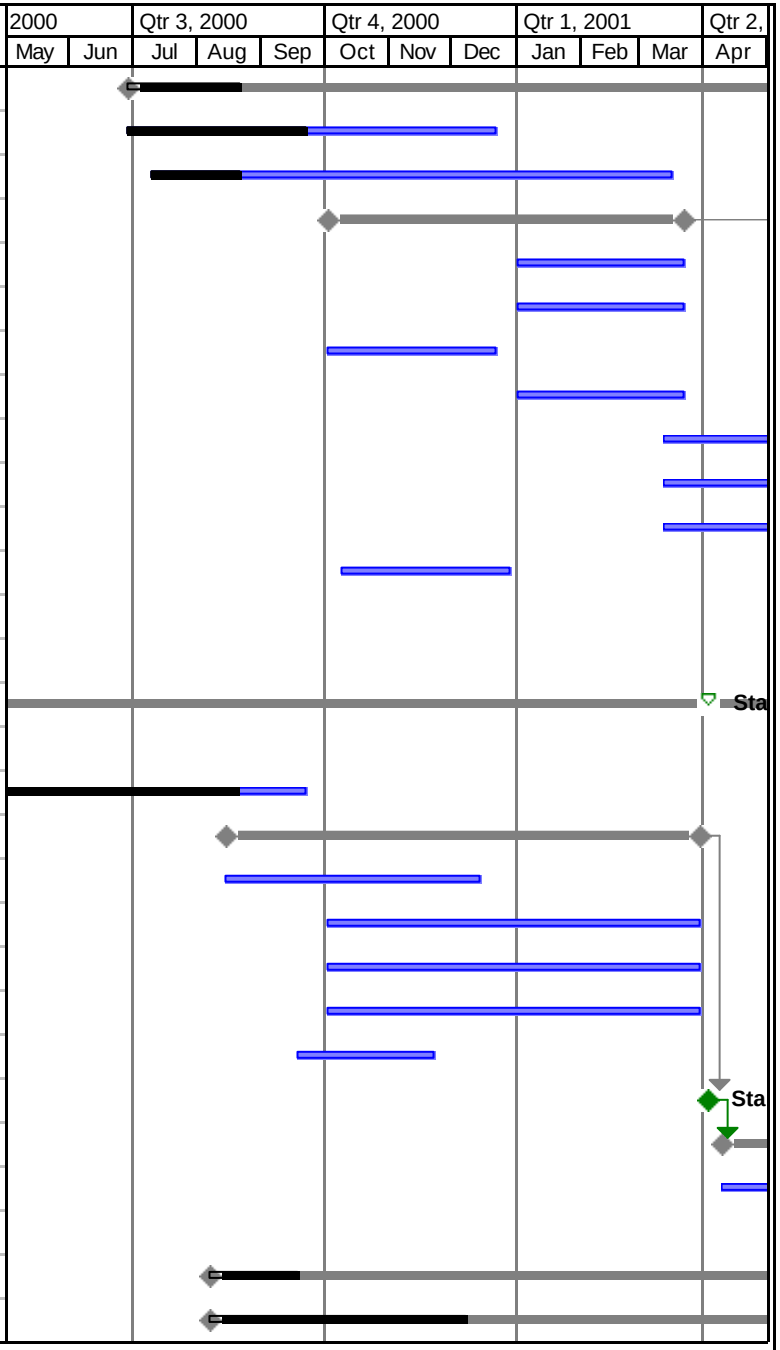
175	**1517**	**Global Text Telephony**	**Rel5**	**No**	**WG SA2**	**GTT**	**TSG**
176	1634	**Stage 1**		No	WG SA1	GTT	TSG
177	1519	**Stage 2**		No	WG SA2	GTT	TSG
178	**1350**	**Activation and transport**		**No**	**WG SA2**	**GTT**	**MCC**
179	1520	SIP and H.324 Activation and transport		No	WG SA2	GTT	MCC
180	1521	Data Channel Activation and transport		No	WG SA2	GTT	MCC
181	1522	Voice Channel Activation and transport		No	WG SA4	GTT	MCC
182	1523	Selection of transport method		No	WG SA2	GTT	MCC
183	1524	**Interworking**		No	WG CN3	GTT-IW	MCC
184	1809	**Terminal Aspects**		No	WG T2	GTT	TSG
185	1357	**USIM Aspects**		No	WG T3	GTT	MCC
186	2096	**GTT using CS multimedia telephony**		No	WG SA4	GTT	MCC
187	1915	**Start Testing**		No		GTT	
188	1852	**Conformance Test Aspects - Global Tex**		No	WG T1	GTT	CHAIR
189	**1526**	**Bearer Modification without pre-notific**	**Rel4**	**No**	**WG SA1**	**BMWPN**	**TSG**
190	2223	**Testing Support of Bearer modification**		No	WG T1		CHAIR
191	1635	**Stage 1**		No	WG SA1	BMWPN	MCC
192	**1359**	**Service Modification without pre-notific**		**No**	**WG CN3**	**BMWPN-SMWOP**	**TSG**
193	1360	In call modify procedure		No	WG CN1	BMWPN	MCC
194	1361	Interworking function, TAF		No	WG CN3	BMWPN	MCC
195	1362	Out of band Transcoder Control		No	WG CN4	BMWPN	MCC
196	1363	AT commands		No	WG T2	BMWPN	MCC
197	1364	**Bearer Modification because of radio c**		No	WG SA2	BMWPN	MCC
198	1921	**Start Testing**		No		BMWPN-TEST	MCC
199	**2057**	**Conformance Test Aspects**		**No**	**WG T1**	**BMWPN-TEST**	**MCC**
200	1853	UE Conformance test spec. Bearer modificatior		No	WG T1	BMWPN-TEST	MCC
201	1857	UE Conformance test spec. Bearer modification		No	WG T1	BMWPN-TEST	MCC
202	**1367**	**VHE enhancements**	**NA**	**Yes**	**WG SA1**	**VHE1**	**TSG**
203	1368	**Detailed definition of the VHE user prof**	Rel5	No	WG SA2	VHE1-USERP	WG



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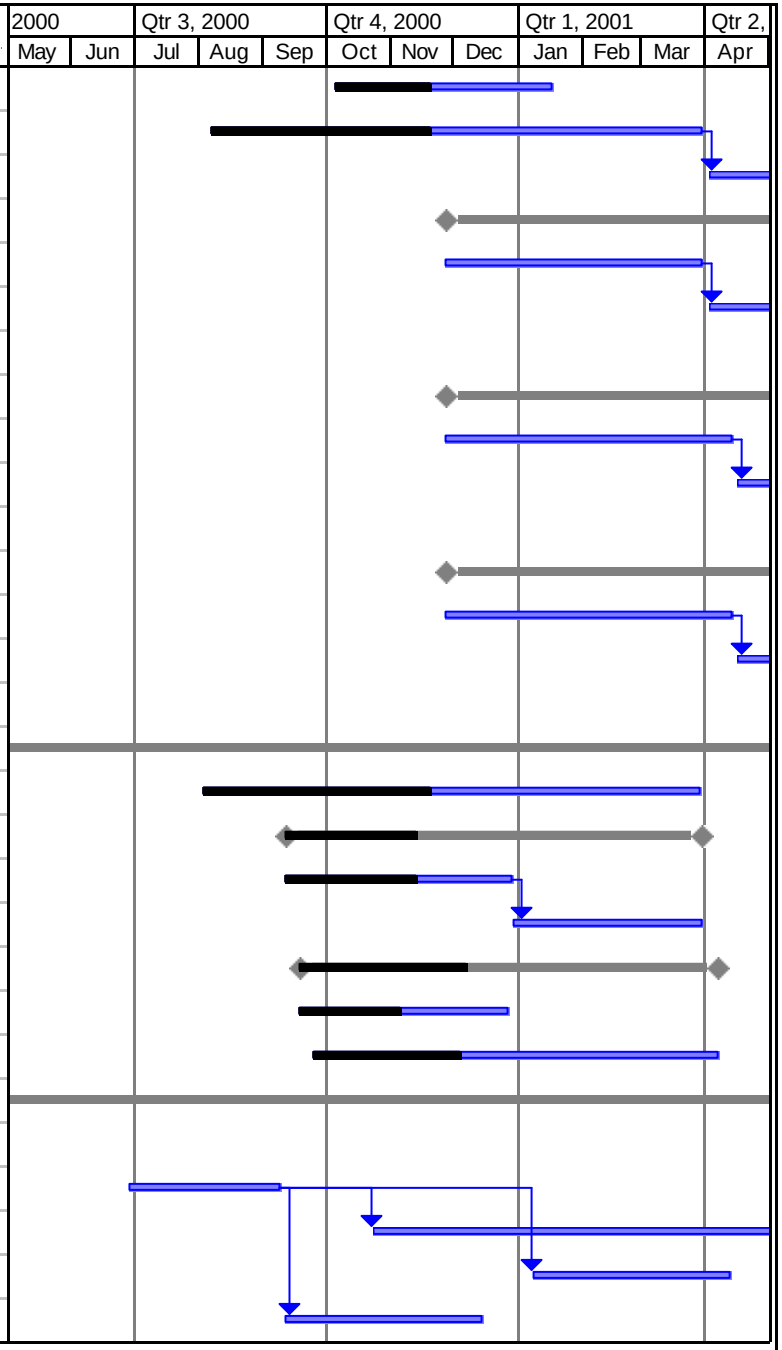
204	1373	Stage 1		No	WG SA1	VHE1-USERP	WG
205	1404	Stage 2		No	WG SA2	VHE1-USERP	WG
206	2123	Enhanced UserProfileManagement		No	WG CN5	VHE1-USERP	MCC
207	2104	**Extensions to existing (and possibly ne**	Rel5	Yes	WG SA2	VHE1-TLKT1	WG
208	2105	Stage 1		No	WG SA1	VHE1-TLKT1	WG
209	2106	Stage 2		No	WG SA2	VHE1-TLKT1	WG
210	2107	Stage 3 (wait for stage 2)		No		VHE1-TLKT1	WG
211	2108	**Interaction between toolkits to enable I**	Rel5	Yes	WG SA2	VHE1-IMS	WG
212	2109	Stage 1		No	WG SA1	VHE1-IMS	WG
213	2110	Stage 2		No	WG SA2	VHE1-IMS	WG
214	2111	Stage 3 (wait for stage 2)		No		VHE1-IMS	WG
215	2112	**Transparent roaming for services**	Rel5	Yes	WG SA2	VHE1-RMG	WG
216	2113	Stage 1		No	WG SA1	VHE1-RMG	WG
217	2114	Stage 2		No	WG SA2	VHE1-RMG	WG
218	2115	Stage 3 (wait for stage 2)		No		VHE1-RMG	WG
219	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**OSA1**	**WG**
220	2120	**General Stage 2**		No	WG SA2	OSA1	WG
221	1424	**Interactions OSA - e-commerce**	Rel4	No	WG SA2	OSA1-ECOM	WG
222	1425	Stage 1		No	WG SA1	OSA1-ECOM	WG
223	1529	Stages 2 and 3		No	WG CN5	OSA1-ECOM	CHAIR
224	1429	**OSA APIs for MuMa CC**	Rel5	No	WG SA2	OSA1-CSCF	MCC
225	1430	Stage 1		No	WG SA1	OSA1-CSCF	MCC
226	1530	Stages 2 and 3		No	WG CN5	OSA1-CSCF	MCC
227	1419	**OSA security (!)**	Rel5	No	WG SA3	OSA1-SEC	TSG
228	2121	Stage 1		No	WG SA1	OSA1-SEC	MCC
229	1420	Stage 2		No	WG SA2	OSA1-SEC	MCC
230	1421	Stage 3		No	WG SA3	OSA1-SEC	MCC
231	1422	security related SCF(s) definition		No	WG CN5	OSA1-SEC	MCC
232	1423	(possibly) changes required from supporting pl		No	WG SA3	OSA1-SEC	MCC



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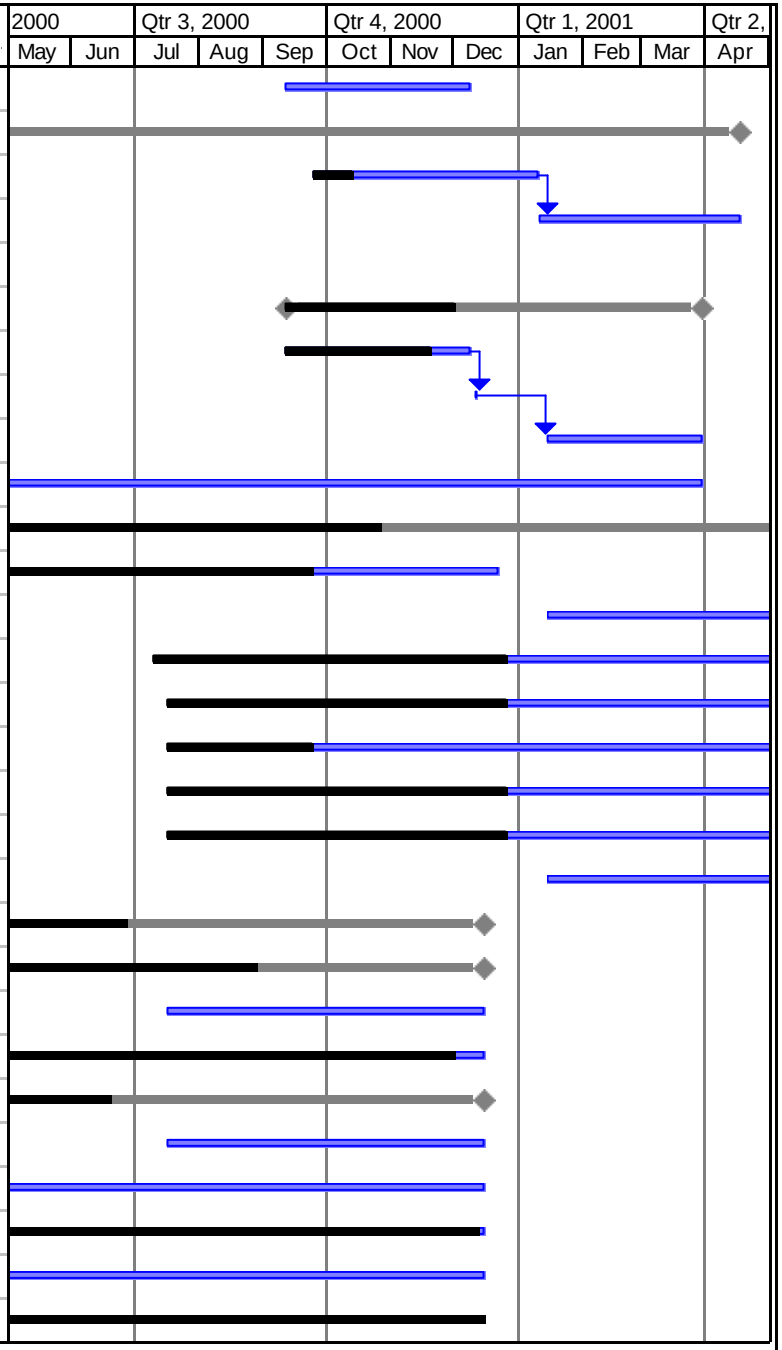
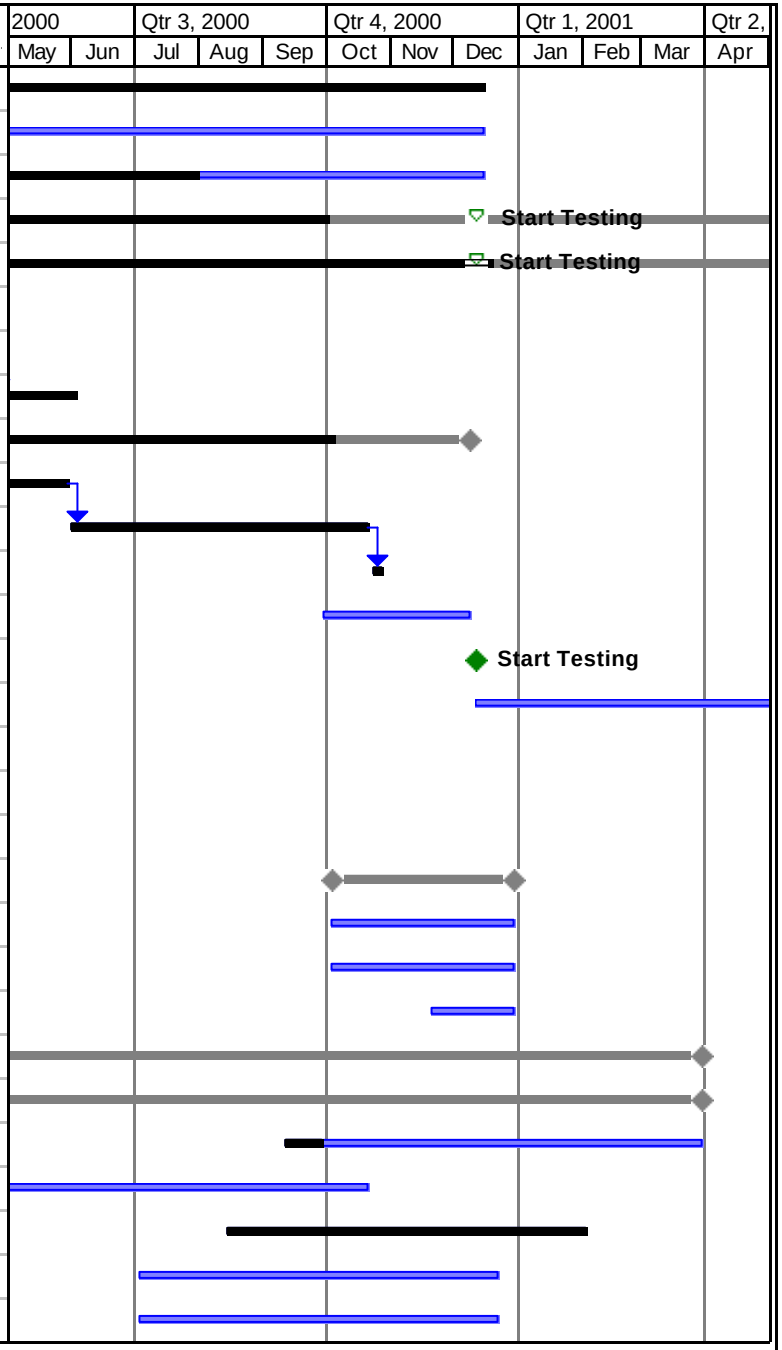
233	1621	impact on terminal		No	WG T2	OSA1-SEC	WG
234	1433	**Retrieval of Terminal capabilities**	Rel5	No	WG SA2	OSA1-TC	MCC
235	1434	Stage 1		No	WG SA1	OSA1-TC	MCC
236	1436	Stages 2 and 3		No	WG CN5	OSA1-TC	MCC
237	2122	Provisionning of the terminal capabilities		No	WG T2	OSA1-TC	MCC
238	1786	**LCS - OSA interfaces (!)**		No	WG SA1	OSA1-LCSI	WG
239	1787	Stage 1		No	WG SA1	OSA1-LCSI	WG
240	2124	Stage 2		No	WG SA2	OSA1-LCSI	WG
241	1788	Stage 3		No	WG CN5	OSA1-LCSI	WG
242	2116	**Charging Management - All IP (CH-IP) (I**		No	WG SA5	OAM-CH-IP	WG
243	**1638**	**CAMEL phase 4**	**Rel5**	**No**	**WG SA1**	**CAMEL4**	**CHAIR**
244	1461	**Service requirements**		No	WG SA1	CAMEL4	MCC
245	2011	**Charging notification to the CSE**		No	WG CN2	CAMEL4-CNCNE	CHAIR
246	2012	**Call Party Handling**		No	WG CN2	CAMEL4-CPH	CHAIR
247	2013	**Mid call procedure for MO and MT calls**		No	WG CN2	CAMEL4-MCP	CHAIR
248	2014	**Interactions with Optimal Routing**		No	WG CN2	CAMEL4-IOR	CHAIR
249	2015	**Inclusion of flexible tone injection**		No	WG CN2	CAMEL4-IFTI	CHAIR
250	2016	**CSE control over MT SMS**		No	WG CN2	CAMEL4-CCSMS	CHAIR
251	2017	**CAMEL applicability to media streams I**		No	WG CN2	CAMEL4-ONSTRM	CHAIR
252	**1445**	**MExE enhancements**	**NA**	**Yes**	**WG T2**	**MEXE1**	**TSG**
253	**1447**	**MExE Security**	**Rel4**	**No**	**WG SA3**	**MEXE1-SEC**	**TSG**
254	2045	Stage 3		No	WG SA3	MEXE1-SEC	MCC
255	1448	Terminal aspects		No	WG T2		MCC
256	**1810**	**MExE Improvements and Investigations**	**Rel4**	**No**	**WG T2**	**MEXE1-ENHANC**	**TSG**
257	1449	Stage 3		No	WG T2	MEXE1-ENHANC	MCC
258	1811	Support of the Terminal parts of the VHE /User		No	WG T2		TSG
259	1812	3rd MExE classmark		No	WG T2		TSG
260	1813	FS on AT command support		No	WG T2		TSG
261	1814	FS on Secure download mechanism and capat		No	WG T2		TSG



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
262	1815	FS on Support of MP3/MPEG4 content		No	WG T2		TSG
263	1816	FS on Support of (U)SAT/OSA/CAMEL interact		No	WG T2		TSG
264	1817	Enhanced security		No	WG T2	MEXE1-ENHANC	TSG
265	**1625**	**Wideband Telephony Service - AMR (I**	**Rel4**	**No**	**WG SA4**	**AMRWB**	**TSG**
266	**62**	**Specification**		**No**	**WG SA4**	**AMRWB**	**MCC**
267	1459	Design Constraints		No	WG SA4	AMRWB	MCC
268	1460	General Description		No	WG SA4	AMRWB	MCC
269	1626	Feasibility Study		No	WG SA4	AMRWB	TSG
270	**67**	Codec issues		**No**	**WG SA4**	**AMRWB**	**MCC**
271	1627	Codec qualification		No	WG SA4	AMRWB	TSG
272	74	Codec selection tests		No	WG SA4	AMRWB	MCC
273	891	Codec selection		No	WG SA4	AMRWB	MCC
274	890	Other codec issues		No	WG SA4	AMRWB	MCC
275	1989	Start Testing		No		AMRWB	MCC
276	1855	Conformance tests (CRs to 34 series)		No	WG T1	AMRWB	MCC
277	**76**	Terminal Acoustic Characteristics		**No**	**WG SA4**	**AMRWB**	**MCC**
278	1628	Definition		No	WG SA4	AMRWB	TSG
279	1629	Test specification		No	WG SA4	AMRWB	TSG
280	**889**	**Implementation**		**No**	**WG SA4**	**AMRWB**	**MCC**
281	893	In UTRAN		No	TSG RAN	AMRWB	MCC
282	80	In GERAN		No	TSG GERAN	AMRWB	MCC
283	1656	In CN, see notes		No	WG CN1	AMRWB	CHAIR
284	**1541**	**Transcoder-Free Operation**	**Rel4**	**No**	**WG CN4**	**TrFO**	**MCC**
285	**112**	**OoBTC solution**		**No**	**WG CN4**	**TRFO-OOBTC**	**WG**
286	1512	implementation in UTRAN		No	WG RAN3	TRFO-OOBTC	TSG
287	896	Impact on architecture, Principles and Terminol		No	WG SA2	TRFO-OOBTC	MCC
288	1657	Codec Negotiation between UE and MSC		No	WG CN1	TRFO-OOBTC	TSG
289	115	Codec Negotiation inter MSC		No	WG CN4	TRFO-OOBTC	MCC
290	894	Bearer establishment inter MSC		No	WG CN4	TRFO-OOBTC	TSG



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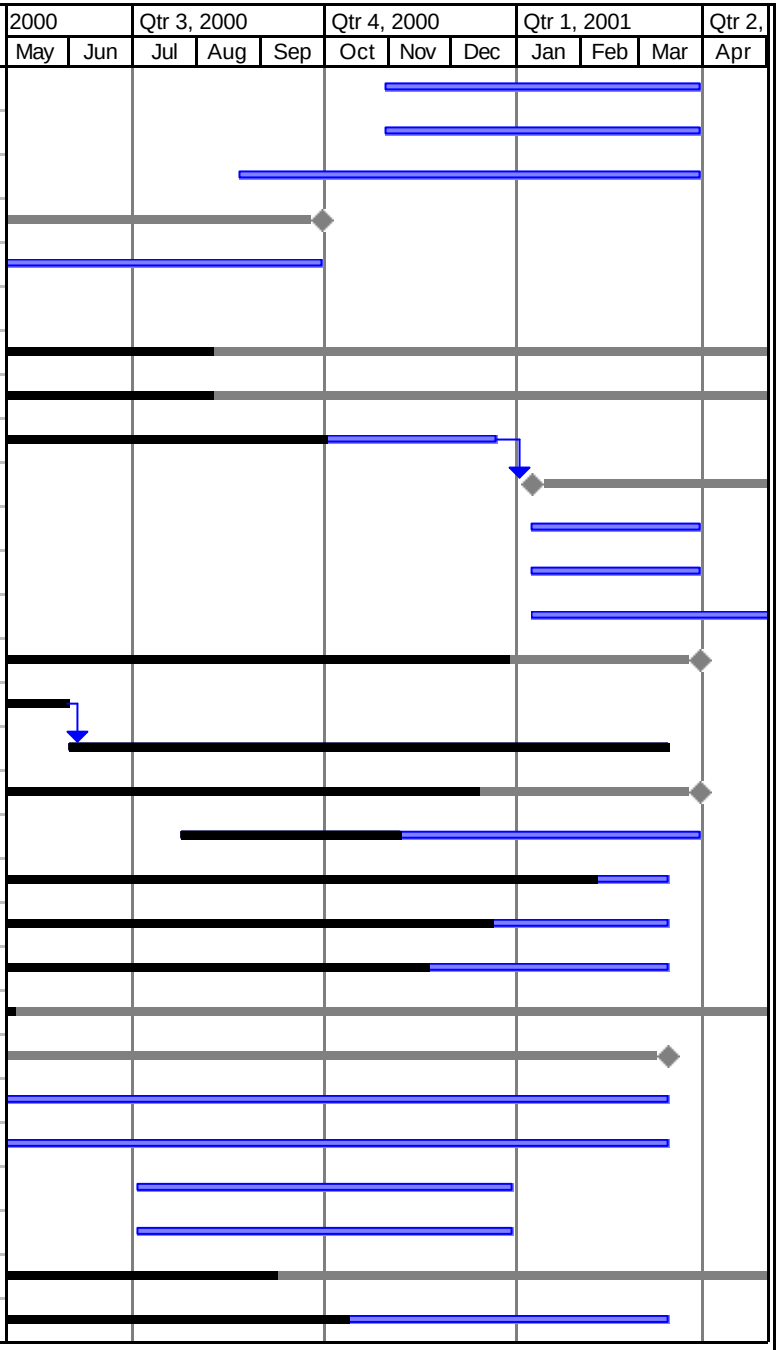
291	767	(TB Confirmed) Bearer establishment between I		No	WG RAN3	TRFO-OOBTC	MCC
292	897	(TB Confirmed) Notification of the Codec mode		No	WG RAN3	TRFO-OOBTC	MCC
293	1617	Prevention of user fraud		No	WG SA3	TRFO-OOBTC	MCC
294	**905**	**Speech Transcoder: Location and Cont**		**No**	**WG SA2**	**TRFO-STLC**	**WG**
295	124	Transcoder at Edge		No	TSG CN	TRFO-STLC	MCC
296	2205	IWF at the Edge (CN border)		No	WG CN3	TRFO-STLC	
297	**1631**	**Tandem Free aspects for 3G and betwe**	**Rel4**	**No**	**WG SA4**	**TFO**	**MCC**
298	**1632**	**Tandem Free AMR**		**No**	**WG SA4**	**TFO-AMR**	**MCC**
299	130	Specification		No	WG SA4	TFO-AMR	MCC
300	**907**	Implementation		**No**	**TSG CN**	**TFO-AMR**	**MCC**
301	131	in CN		No	TSG CN	TFO-AMR	MCC
302	908	in UTRAN		No	TSG RAN	TFO-AMR	MCC
303	132	in GERAN		No	TSG GERAN	TFO-AMR	MCC
304	**1818**	**Multimedia Messaging**	**Rel4**	**No**	**WG T2**	**MMS**	**TSG**
305	136	**Definition of service requirements**		No	WG SA1	MMS	MCC
306	1819	**Review of definition of service requiren**		No	WG T2		TSG
307	**1820**	**Technical Realisation**		**No**	**WG T2**		**TSG**
308	1532	Definition of reference Achitecture model (Mart		No	WG SA2	MMS	MCC
309	1821	Review of definition of reference Achitecture n		No	WG T2		TSG
310	1822	"Fulfill Requirements of Stage 1"		No	WG T2		TSG
311	1823	Definition of MMS primitives in Stage 2		No	WG T2		TSG
312	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	**TI**	**CHAIR**
313	**1827**	**AT commands**	**Rel4**	**No**	**WG T2**	**TI-ATC**	**CHAIR**
314	1828	Specification of AT commands for new service		No	WG T2		CHAIR
315	917	Alternatives to AT commands (TBD)		No	WG T2		CHAIR
316	1858	UE Conformance test spec. AT command		No	WG T1	TI-ATC	CHAIR
317	1859	EMMI Specification (see note)		No	WG RAN2	TI-ATC	CHAIR
318	**1829**	**Wide Area Data Synchronisation**	**Rel5**	**No**	**WG T2**	**TI-WADS**	**CHAIR**
319	1830	Continues evolution of Synchronisation protocc		No	WG T2	TI-SYNC-EVOL	CHAIR



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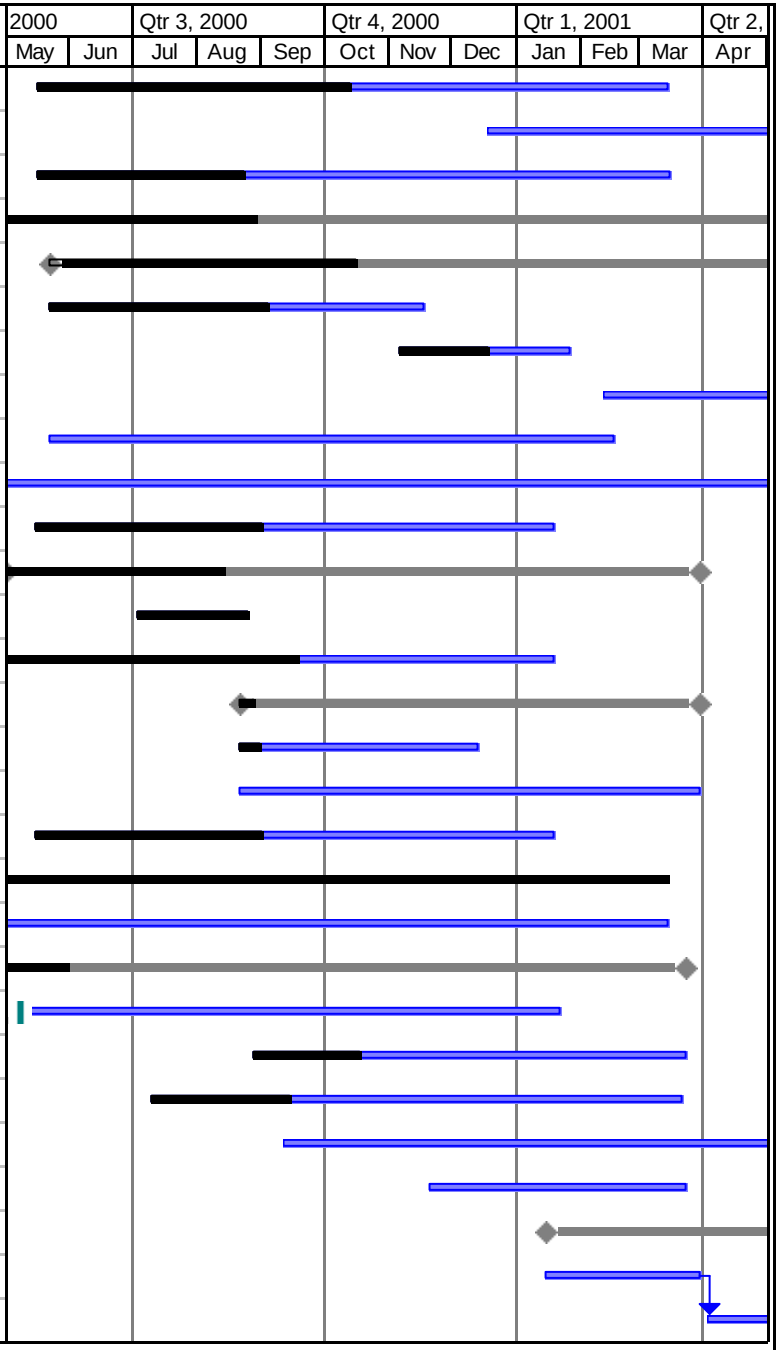
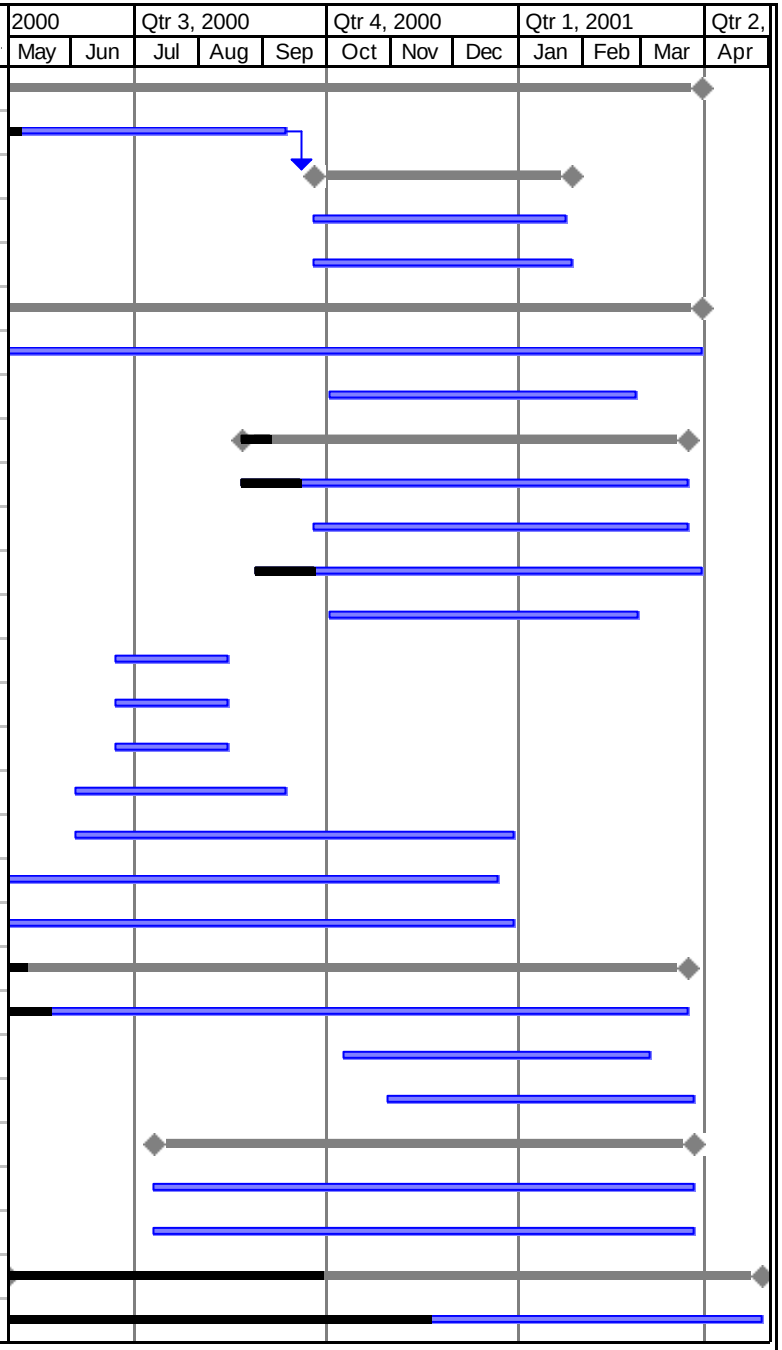
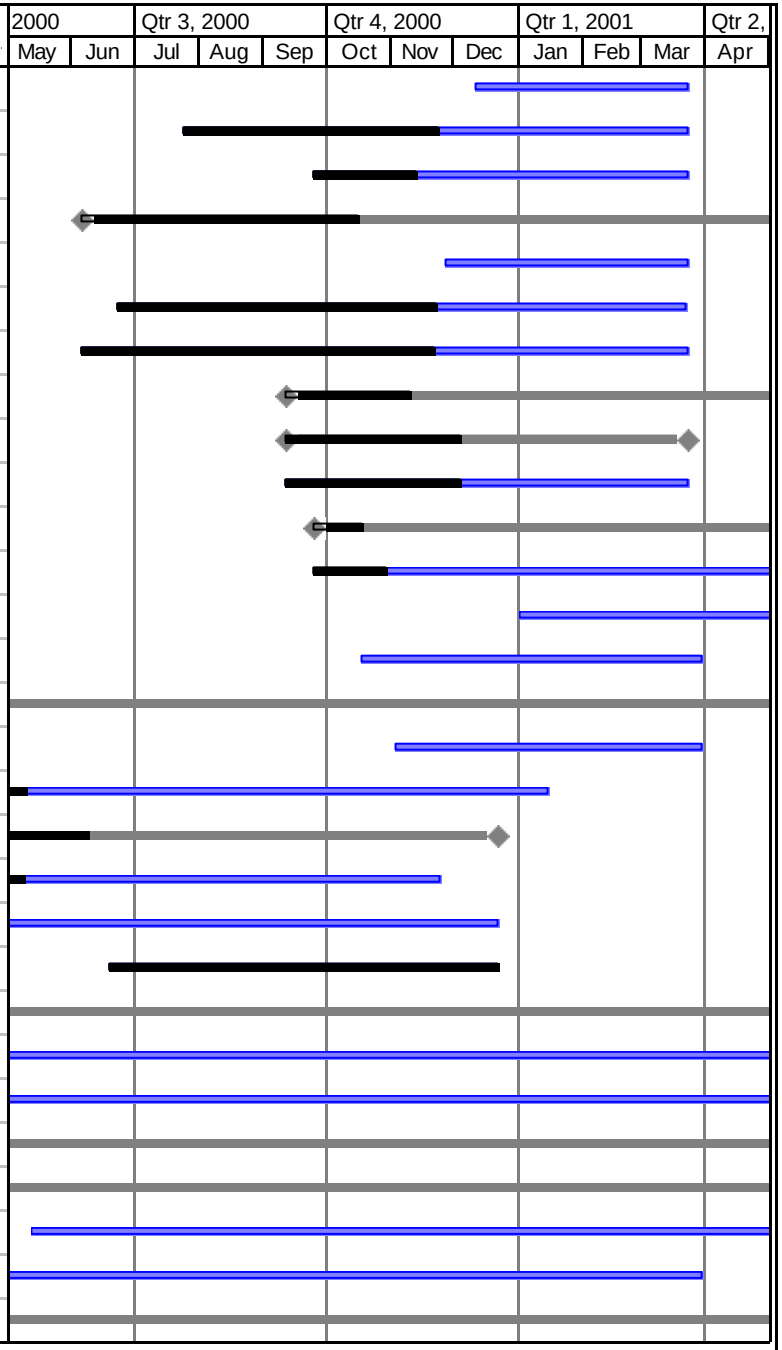
320	1831	vObjects and Other Constructs for Use in Data		No	WG T2	TI-SYNC-VOBJ	TSG
321	1860	UE Conformance test spec. Wide area data syı		No	WG T1	TI-WADS	CHAIR
322	1832	**Terminal local model**	Rel4	No	WG T2	TLM	TSG
323	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**LCS1**	**TSG**
324	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**WG SA1**	**LCS1-EBP**	
325	1641	Stage 1		No	WG SA1	LCS1-EBP	
326	1538	Stage 2 specification		No	WG SA2	LCS1-EBP	
327	1179	Impact on MAP		No	WG CN4	LCS1-EBP	
328	519	**LCS network management in UMTS**		No	WG SA5	LCS1-OAM	
329	521	**New security aspects of LCS (not identi**		No	WG SA3	LCS1-SEC	
330	523	**LCS support in the CS domain**	Rel4	No	WG SA2	LCS1-CS	
331	**525**	**LCS support in the PS domain**	**Rel4**	**No**	**WG SA2**	**LCS1-PS**	
332	1642	Stage 1		No	WG SA1	LCS1-PS	
333	1181	Stage 2		No	WG SA2	LCS1-PS	
334	**1180**	Stage 3		**No**	**WG CN1**	**LCS1-PS**	
335	526	Layer 3 LCS signaling UE (MS) -SGSN (UM		No	WG CN1	LCS1-PS	
336	527	GTP signaling for LCS		No	WG CN4	LCS1-PS	
337	544	**LCS interoperation stage 2 aspects**		No	WG SA2		
338	2229	**CBS interactions**	Rel4	No	WG T2	LCS1-CBS	
339	1916	**MExE interactions**	Rel4	No	WG T2	LCS1-MEXE	
340	**1600**	**UE positioning**	**Rel4**	**No**	**TSG RAN**	**LCS1-UEpos**	**TSG**
341	1601	Iub/Iur interfaces for methods Rel 99		No	WG RAN3	LCS1-UEpos-Iublur	TSG
342	1602	UE positioning enhancements		No	WG RAN2	LCS1-UEpos-enh	TSG
343	1603	(Copy) UTRA repeater specification		No	WG RAN4		TSG
344	1796	**(Copy) LCS application interfaces (LCS-**		No	WG SA1		
345	1183	**FS on LCS support in the IM CN subsyst**		No	WG SA1		MCC
346	**2125**	**Open LCS interfaces in UMTS and GER/**	**Rel5**	**No**	**WG SA2**	**LCS-INTF**	**WG**
347	2127	Stage 2		No	WG SA2		
348	2126	Stage 3		No			



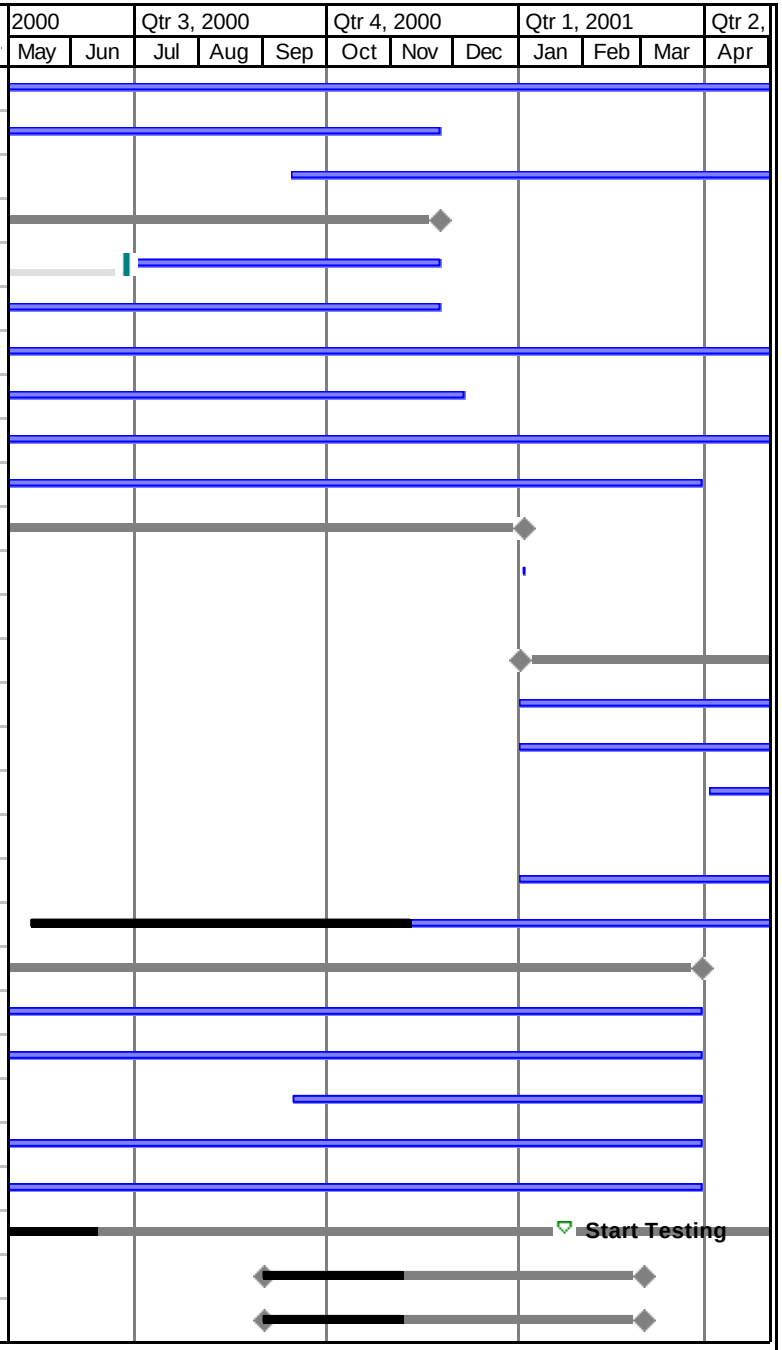
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
349	**1542**	**Ensure reliable QoS for PS domain (Ma**	**Rel4**	**No**	**WG SA2**	**QoSPS**	**MCC**
350	1543	**stage 2 for End-to-end QoS (re)negotiat**		No	WG SA2	QoSPS	MCC
351	**1658**	**stage 3 for End-to-end QoS (re)negotiat**		**No**	**WG CN1**	**QoSPS**	**MCC**
352	1545	GMM and SM aspects		No	WG CN1	QoSPS	MCC
353	1546	GTP aspects		No	WG CN4	QoSPS	MCC
354	**1547**	**Mapping of end to end QoS parameters**		**No**	**WG SA2**	**QoSPS-MAPEND**	**MCC**
355	1548	Impacts on N4 documents		No	WG CN4		MCC
356	1549	Impacts on N3 documents		No	WG CN3		MCC
357	**1681**	RAB Quality of Service (re)Negotiation over Iu		**No**	**WG RAN3**	**QoSPS-MAPEND-R**	**TSG**
358	1991	RAB Quality of Service Negotiation over Iu		No	WG RAN3	QoSPS-MAPEND-R/	TSG
359	1992	RAB Quality of Service Re-Negotiation ove		No	WG RAN3	QoSPS-MAPEND-R/	TSG
360	1685	**PS-domain handover for real-time serv**		No	WG RAN3	QoSPS-PSdoRTS	TSG
361	1550	**Interactions between external mechanis**		No	WG CN3		MCC
362	1551	**Possible new code points in QoS IE fro**		No	WG CN1	QoSPS-ENDEND-CPI	MCC
363	1659	**Possible new code points in QoS IE for**		No	WG CN1	QoSPS-ENDEND-CPI	MCC
364	1660	**Mapping between the QoS UMTS point**		No	WG CN1	QoSPS-ENDEND-CPI	MCC
365	1552	**Charging Management (CH)**		No	WG SA5	QoSPS-CH	MCC
366	1624	**Security aspects**		No	WG SA3		MCC
367	1619	**Application aspects, multi-mode aspect**		No	WG T2		WG
368	1553	**GERAN QoS Aspects**		No	TSG GERAN		MCC
369	**1554**	**Evolution of maximum SDU size**		**No**	**WG SA2**	**QoSPS-MAXSDU**	**MCC**
370	1555	Impacts on CN protocols (e.g., GTP, MAP)		No	WG CN4		MCC
371	1556	Impact on interworking over GTP e.g. PPP		No	WG CN3		MCC
372	1611	**Admission control function triggers**		No	WG RAN3	QoSPS-AdmC	MCC
373	**1557**	**QoS for CS services at HOs (inter-MSC**	**Rel4**	**No**	**WG SA2**	**QoSCS**	**MCC**
374	1558	**UTRAN aspects**		No	WG RAN2		MCC
375	1559	**GERAN aspects**		No	TSG GERAN		MCC
376	**1560**	**UICC/(U)SIM enhancements and interv**	**NA**	**Yes**	**WG T3**	**UICC1**	**MCC**
377	1798	**FS on UICC/ME Performance Enhancem**		No	WG T3		TSG



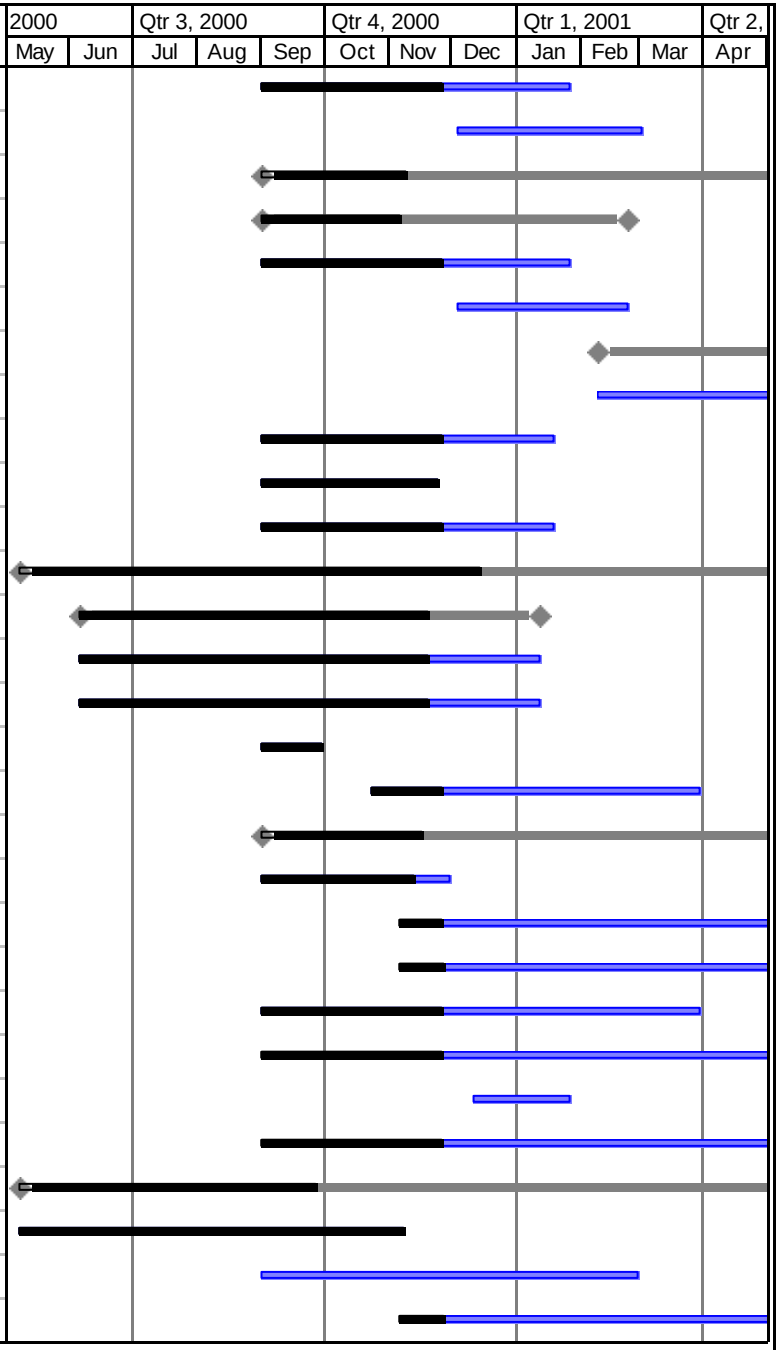
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
378	1562	**UICC/USIM database specification**	Rel4	No	WG T3	UICC1-DataB	TSG
379	1799	**Common PCN Handset Specification (C**	Rel4	No	WG T3	UICC1-CPHS	TSG
380	1564	**report on SIM/USIM Interworking**		No	WG T3		TSG
381	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	**USAT1**	**MCC**
382	1566	**Enhancements to (U)SIM toolkit secure**	Rel4	No	WG T3	USAT1-SM	TSG
383	1801	**Protocol Standardisation of a SIM Tool**	Rel4	No	WG T3		TSG
384	2034	**USAT local link**	Rel4	No	WG T3	USAT1-LocLnk	TSG
385	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	**USAT1-API**	**MCC**
386	**2029**	Java API	**Rel4**	**No**	**WG T3**	**USAT1-API-JAVA**	**MCC**
387	1803	Test specification		No	WG T3		TSG
388	**2031**	Multos API	**Rel5**	**No**	**WG T3**	**USAT1-API-MULTC**	**TSG**
389	2032	Specification		No	WG T3	USAT1-API-MULTOS	TSG
390	2033	Test specification		No	WG T3	USAT1-API-MULTOS	TSG
391	2100	**USIM Toolkit security**		No	WG SA3	USAT1-API-MULTOS	TSG
392	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**SEC1**	**TSG**
393	2099	**UE triggered authentication during con**	Rel4	No	WG SA3	SEC1-UETADC	TSG
394	1587	**Evolution of GSM CS algorithms (e.g. A**	Rel4	No	WG SA3	SEC1-CSALGO1	TSG
395	**1588**	**Evolution of GSM PS algorithms (e.g. G**	**Rel4**	**No**	**WG SA3**	**SEC1-PSALGO1**	**TSG**
396	1589	Main aspects		No	WG SA3	SEC1-PSALGO1	MCC
397	1618	Impact on GTP		No	WG CN4	SEC1-PSALGO1	WG
398	1661	GEA capability indication in MS CM		No	WG CN1	SEC1-PSALGO1-GE	MCC
399	**1572**	**Protection for user plane data**	**Rel5**	**Yes**	**WG SA3**	**SEC1-PUPD**	**TSG**
400	1573	Integrity protection in access network		No	WG SA3	SEC1-PUPD	MCC
401	1575	Network based end-to-end security		No	WG SA3	SEC1-PUPD	MCC
402	**1576**	**Network domain security**		**Yes**	**WG SA3**	**SEC1-NDS**	**TSG**
403	**1577**	Control plane protection in core network (e.g., G	**Rel5**	**No**	**WG SA3**	**SEC1-NDS**	**MCC**
404	1578	Main aspects		No	WG SA3	SEC1-NDS	MCC
405	1579	Integration of GTP signalling security archi		No	WG CN4	SEC1-NDS	MCC
406	**1580**	User plane protection in core network (e.g., pro	**Rel5**	**No**	**WG SA3**	**SEC1-NDS**	**MCC**



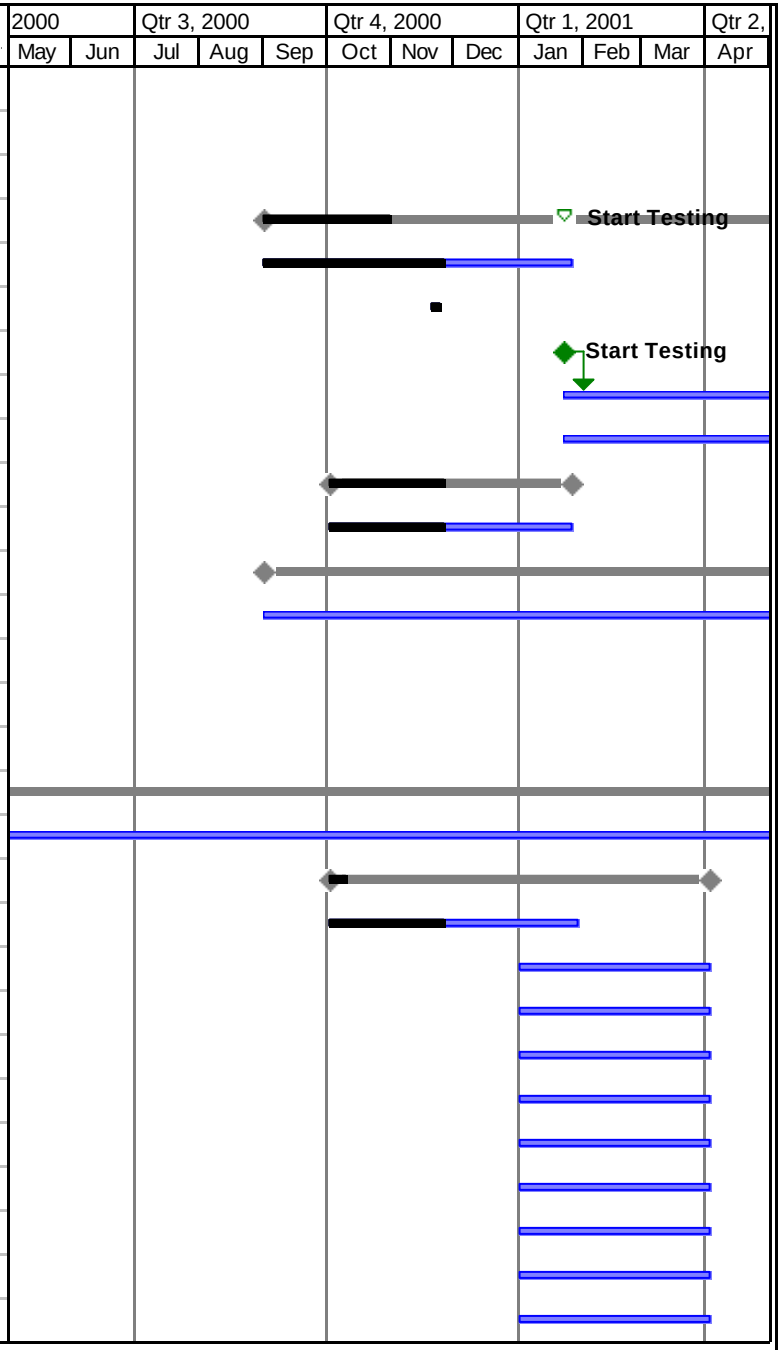
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
407	1581	Main aspects		No	WG SA3	SEC1-NDS	MCC
408	1582	Integration of GTP signalling security archi		No	WG CN4	SEC1-NDS	MCC
409	2098	Study of network-based denial of service		No	WG SA3	SEC1-NDS	TSG
410	**1583**	**MAP application layer security**	**Rel4**	**No**	**WG SA3**	**SEC1-MAPAL**	**TSG**
411	1584	Main aspects		No	WG SA3	SEC1-MAPAL	WG
412	2025	Other stage 3 aspects		No	WG CN4	SEC1-MAPAL	TSG
413	1586	**Key management for core network secu**		No	WG SA3	SEC1-KMCN	TSG
414	1594	**Visibility and Configurability of security**	Rel4	No	WG SA3	SEC1-VCS	TSG
415	1595	**FIGS**	Rel5	No	WG SA3	SEC1-FIGS	MCC
416	1612	**General security issues**	?	No	WG SA3		TSG
417	**2026**	**Enhanced HE control of security (includ**	**?**	**No**	**WG SA3**		**MCC**
418	2027	Stage 2		No	WG SA3		MCC
419	2028	FS on Network impacts		No	WG CN4		MCC
420	**1861**	**Miscelleneous UE Conformance Testir**		**Yes**	**WG T1**	**MISTST1**	**MCC**
421	1862	**Optimisation of Test Time, RF Aspects (**		No	WG T1	MISTST1	MCC
422	1863	**Optimisation of Test Time, RF Aspects (**		No	WG T1	MISTST1	MCC
423	1907	**Extensions to R99 Test cases**		No	WG T1	MISTST1	MCC
424	1908	**Review all other work items for impact**		No	WG T1	MISTST1	MCC
425	1909	**Additional signalling tests to cover VHE**		No	WG T1	MISTST1	MCC
426	1365	**Support of Push Services**		No	WG SA2	PUSH	TSG
427	**1142**	**Charging and OAM&P (to be dispatche**		**No**	**WG SA5**	**OAM**	**MCC**
428	2089	**Principles, high level Requirements and**		No	WG SA5	OAM-AR/PR	TSG
429	2088	**Performance Management (PM) (Master**		No	WG SA5	OAM-PM	MCC
430	2081	**Fault Management (FM) (Master)**		No	WG SA5	OAM-FM	TSG
431	2082	**Configuration Management (CM) (Maste**		No	WG SA5	OAM-CM	MCC
432	2083	**Charging Management (CH) (Master)**		No	WG SA5	OAM-CH	MCC
433	**1924**	**GERAN definition**	**NA**	**Yes**	**TSG GERAN**	**GERAN**	**TSG**
434	**1927**	**GERAN/UTRAN interface evolution 1 (PS**	**NA**	**Yes**	**TSG GERAN**	**GERAN-PS**	**TSG**
435	**1929**	Evolution of Iu ps	**Rel5**	**No**	**WG GERAN2**	**GERAN-PS**	**TSG**



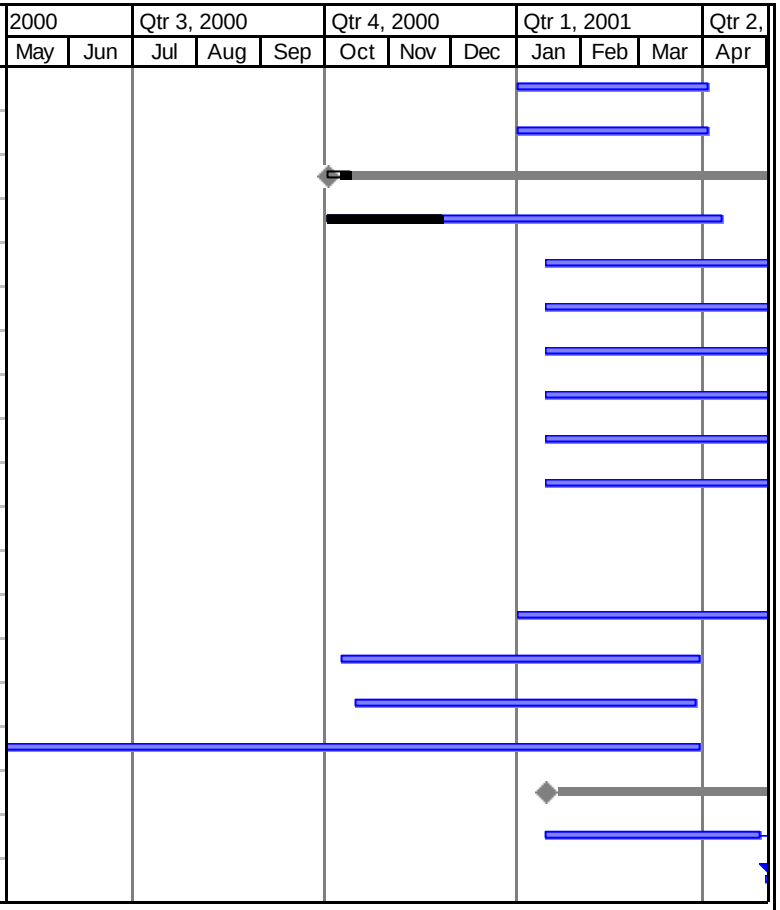
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
436	1930	Identification of GERAN requirements on Iu		No	/WG GERAN2	GERAN-PS	TSG
437	1932	Update of specifications		No	/WG GERAN2	GERAN-PS	TSG
438	**2193**	**GERAN/UTRAN interface evolution 2 (CS**	**NA**	**Yes**	**TSG GERAN**	**GERAN-CS**	**TSG**
439	**1933**	Evolution of Iu cs	**Rel5**	**No**	**/WG GERAN2**	**GERAN-CS**	**TSG**
440	1934	Identification of GERAN requirements on Iu		No	/WG GERAN2	GERAN-CS	TSG
441	1935	Update of specifications		No	/WG GERAN2	GERAN-CS	TSG
442	**2185**	Evolution of A interface	**Rel5**	**No**	**TSG GERAN**	**GERAN-CS**	**TSG**
443	2186	Evolved Transport network for the A Inter		No	/WG GERAN2	GERAN-CS	TSG
444	1987	**Low chip rate TDD interworking with GE**	Rel4	No	/WG GERAN1	GERAN-TDD	TSG
445	1939	**Gb over IP**	Rel4	No	/WG GERAN2		TSG
446	1940	**Enhance cell reselections**	Rel4	No	/WG GERAN2	GERAN_Celres	TSG
447	**1941**	**GERAN radio interface evolution**	**Rel5**	**No**	**TSG GERAN**	**GERAN-IFEVOL**	**TSG**
448	**1942**	Stage 2		**No**	**TSG GERAN**	**GERAN-IFEVOL**	**TSG**
449	2192	Protocols		No	/WG GERAN2	GERAN-IFEVOL	TSG
450	2191	Physical layer		No	/WG GERAN1	GERAN-IFEVOL	TSG
451	1943	GERAN Header adaptation definition		No	/WG GERAN2	GERAN-IFEVOL	TSG
452	1945	MuMa control signalling for conversational serv		No	/WG GERAN2	GERAN-IFEVOL	TSG
453	**1946**	GERAN user / control plane		**No**	**TSG GERAN**	**GERAN-IFEVOL**	**TSG**
454	1983	PDCP protocol design		No	/WG GERAN2	GERAN-IFEVOL	TSG
455	1986	RLC / MAC Specification		No	/WG GERAN2	GERAN-IFEVOL	TSG
456	1947	GERAN RR		No	/WG GERAN2	GERAN-IFEVOL	TSG
457	1985	Physical layer		No	/WG GERAN1	GERAN-IFEVOL	TSG
458	1948	Iu rg interface		No	/WG GERAN2	GERAN-IFEVOL	TSG
459	1949	Voice over GERAN PS and CS concept		No	/WG GERAN2	GERAN-IFEVOL	TSG
460	1950	GERAN Narrowband speech realization		No	/WG GERAN1	GERAN-IFEVOL	TSG
461	**1951**	GERAN security		**No**	**WG SA3**	**GERAN-IFEVOL**	**TSG**
462	1981	Requirements for ciphering and integrity		No	WG SA3	GERAN-IFEVOL	TSG
463	1980	Modification of UTRAN specs to be valid a		No	WG SA3	GERAN-IFEVOL	TSG
464	1979	Additional stage 3 work for GERAN		No	/WG GERAN2	GERAN-IFEVOL	TSG



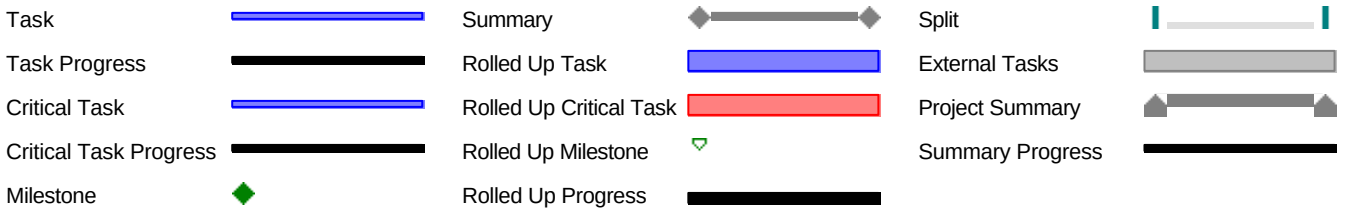
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
465	2060	Start Testing		No		GERAN-IFEVOL	
466	1952	GERAN MS Conformance test for GERAN inter		No	WG GERAN4	GERAN-IFEVOL	TSG
467	1953	GERAN BTS Conformance test for GERAN inte		No	WG GERAN3	GERAN-IFEVOL	TSG
468	**1954**	**700 MHz spectrum support**	**Rel4**	**No**	**TSG GERAN**	**GERAN-700**	**TSG**
469	1955	GERAN support for the 700 MHz band		No	WG GERAN1	GERAN-700	TSG
470	2207	GERAN support for the 700 MHz band- Stage3		No	WG CN1	GERAN-700	WG
471	2203	Start Testing		No		GERAN-700	
472	1956	GERAN MS Conformance test for 700 MHz bar		No	TSG GERAN	GERAN-700	TSG
473	1958	GERAN BTS Conformance test for GERAN inte		No	TSG GERAN	GERAN-700	TSG
474	**1959**	**Real Time QoS for PS including VoIP**	**Rel5**	**No**	**TSG GERAN**	**GERAN-QoS**	**TSG**
475	1960	HOs: maintenance of real-time QoS while movi		No	WG GERAN2	GERAN-QoS	TSG
476	**1961**	**Wideband telephony services**	**Rel5**	**No**	**TSG GERAN**	**GERAN-WBAMR**	**TSG**
477	1963	Support of WB AMR in GERAN		No	TSG GERAN	GERAN-WBAMR	TSG
478	2204	Start Testing		No			
479	1965	GERAN MS Conformance test for WB AMR		No	TSG GERAN		TSG
480	1966	GERAN BTS Conformance test for WB AMR		No	TSG GERAN		TSG
481	**2159**	**Location service using GERAN**	**NA**	**Yes**	**TSG GERAN**	**GERAN-LCS**	**TSG**
482	2160	LCS interoperability aspects to GERAN		No	TSG GERAN	GERAN-LCS	TSG
483	**2161**	LCS for GERAN in A/Gb Mode	**Rel4**	**No**	**WG GERAN2**	**GERAN-LCS**	**TSG**
484	2162	GERAN LCS stage 2 (first release)		No	WG GERAN2	GERAN-LCS	TSG
485	2163	Gb interface support for LCS		No	WG GERAN2	GERAN-LCS	TSG
486	2164	A interface changes for LCS		No	WG GERAN2	GERAN-LCS	TSG
487	2165	Broadcast of LCS data on packet channel		No	WG GERAN2	GERAN-LCS	TSG
488	2166	RLC/MAC protocol support for LCS		No	WG GERAN2	GERAN-LCS	TSG
489	2167	L3 protocol support for LCS		No	WG GERAN2	GERAN-LCS	TSG
490	2168	Timing Advance based positioning on pacl		No	WG GERAN2	GERAN-LCS	TSG
491	2169	Class A and DTM MS impact (I.e. Air-inter		No	WG GERAN2	GERAN-LCS	TSG
492	2170	Updates to existing protocols (RRLP, LLP, S		No	WG GERAN2	GERAN-LCS	TSG
493	2171	Ciphering of LCS in GPRS		No	WG GERAN2	GERAN-LCS	TSG



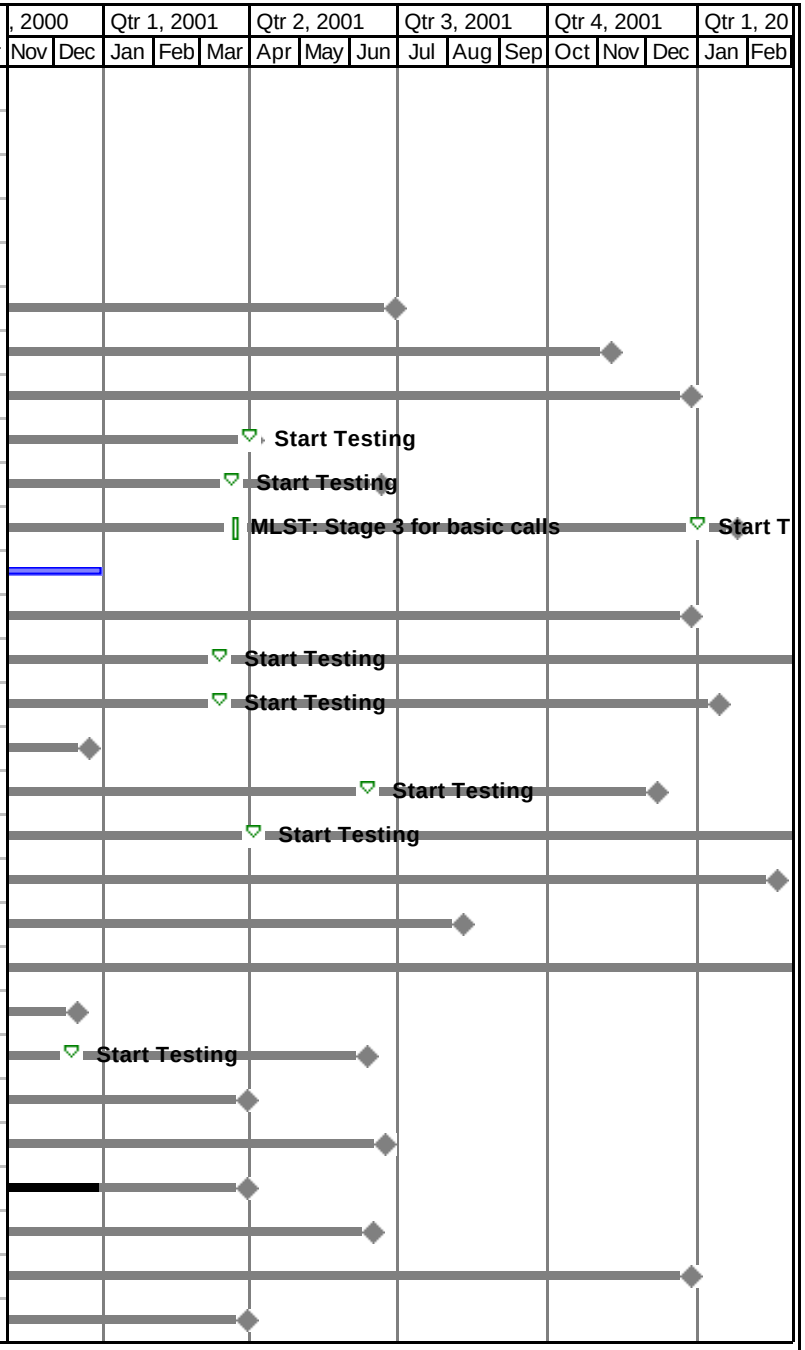
ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
494	2172	Lb interface support for LCS in GPRS		No	WG GERAN2	GERAN-LCS	TSG
495	2173	Miscellaneous impacts from the new LCS		No	WG GERAN2	GERAN-LCS	TSG
496	**2174**	LCS for GERAN in Iu Mode	**Rel5**	**No**	**WG GERAN2**	**GERAN-LCS**	**TSG**
497	2175	GERAN LCS stage 2 (second release)		No	WG GERAN2	GERAN-LCS	TSG
498	2176	Iu-ps interface support for LCS		No	WG GERAN2	GERAN-LCS	TSG
499	2177	Iu-cs interface support for LCS		No	WG GERAN2	GERAN-LCS	TSG
500	2178	Iur-g interface support for LCS		No	WG GERAN2	GERAN-LCS	TSG
501	2179	RRC protocol support for LCS		No	WG GERAN2	GERAN-LCS	TSG
502	2180	Additional impacts on Broadcast of LCS da		No	WG GERAN2	GERAN-LCS	TSG
503	2181	Miscellaneous impacts from the new LCS		No	WG GERAN2	GERAN-LCS	TSG
504	2183	Start testing		No		GERAN-LCS	
505	2182	GERAN MS Conformance test for LCS		No	WG GERAN4	GERAN-LCS	TSG
506	2184	GERAN BTS Conformance test for LCS		No	WG GERAN3	GERAN-LCS	TSG
507	2062	**Subscription Management**	Rel4	No	WG SA5	SM	TSG
508	2071	**UTRAN Operations and Maintenance p**	Rel4	No	WG SA5	UOAM	TSG
509	1993	**small Technical Enhancements and Im**	Rel4	No		TEI4	MCC
510	**2128**	**Mobile IPv6 in overlay of PS domain**	**Rel5**	**No**	**WG SA2**	**MIPv6**	**WG**
511	2129	**Stage 2**		No	WG SA2	MIPv6	WG
512	2130	**Stage 3**		No	WG CN1	MIPv6	S2



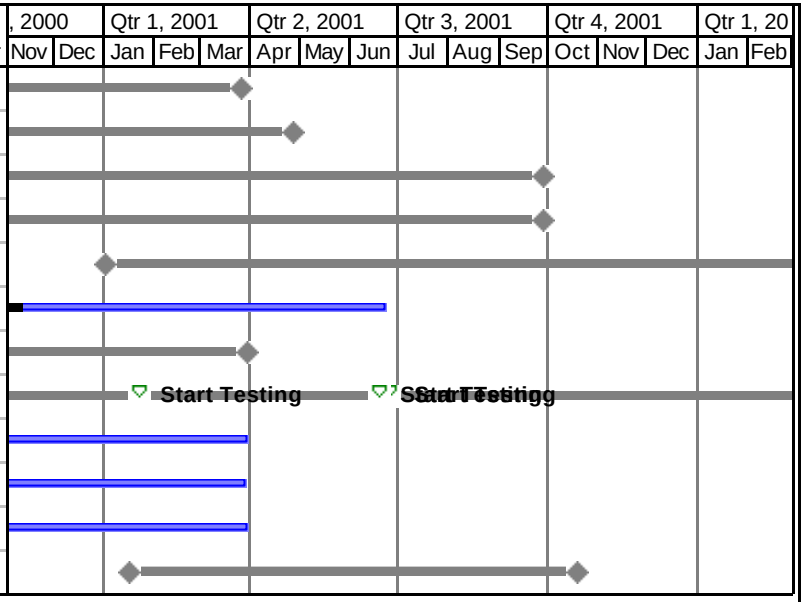
Project: 3GPP_Work Plan
Date: Wed 06/12/00



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
1	2044	VERSION Dec. 5th		No			MCC
2	1462	"CTRL + a" to display all the 3GPP fiel		No			MCC
3	1463	If MS Project crashes, hide the "hyperl		No			MCC
4	2058						
5	96			No			
6	2	Evolutions of the transport in the UTR/	NA	Yes	TSG RAN	ETRAN	TSG
15	4	Evolutions of the transport in the CN	NA	Yes	WG CN4	CNTRSP	MCC
24	1216	Improvements of Radio Interface	NA	Yes	TSG RAN	RInImp	TSG
47	1222	Low Chip Rate TDD option	Rel4	No	WG RAN1	LCRTDD	TSG
59	9	RAN improvements	NA	Yes	TSG RAN	RANimp	TSG
70	1273	Provisioning of IP-based multimedia s	Rel5	No	WG SA1	IMS	TSG
123	1539	Transparent End-to-End PS mobile stre	Rel4	No	WG SA4	PSTREAM	TSG
124	1652	Emergency call enhancements	NA	Yes	WG CN1	EMC1	WG
140	1322	Enable bearer independent CS archite	Rel4	No	WG SA2	CSSPLIT	TSG
155	1333	CS multimedia services	Rel4	No	WG SA2	CSM	MCC
166	1340	Facsimile	Rel4	No	WG SA1	FAX	TSG
175	1517	Global Text Telephony	Rel5	No	WG SA2	GTT	TSG
189	1526	Bearer Modification without pre-notific	Rel4	No	WG SA1	BMWPN	TSG
202	1367	VHE enhancements	NA	Yes	WG SA1	VHE1	TSG
219	1637	OSA enhancements	NA	Yes	WG SA1	OSA1	WG
243	1638	CAMEL phase 4	Rel5	No	WG SA1	CAMEL4	CHAIR
252	1445	MExE enhancements	NA	Yes	WG T2	MEXE1	TSG
265	1625	Wideband Telephony Service - AMR (I	Rel4	No	WG SA4	AMRWB	TSG
284	1541	Transcoder-Free Operation	Rel4	No	WG CN4	TrFO	MCC
297	1631	Tandem Free aspects for 3G and betwe	Rel4	No	WG SA4	TFO	MCC
304	1818	Multimedia Messaging	Rel4	No	WG T2	MMS	TSG
312	1826	Terminal interfaces	NA	Yes	WG T2	TI	CHAIR
323	1536	Location Services enhancements	NA	Yes	WG SA2	LCS1	TSG
349	1542	Ensure reliable QoS for PS domain (Ma	Rel4	No	WG SA2	QoSPS	MCC



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
373	**1557**	**QoS for CS services at HOs (inter-MS(**	**Rel4**	**No**	**WG SA2**	**QoSCS**	**MCC**
376	**1560**	**UICC/(U)SIM enhancements and interw**	**NA**	**Yes**	**WG T3**	**UICC1**	**MCC**
381	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	**USAT1**	**MCC**
392	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**SEC1**	**TSG**
420	**1861**	**Miscelleneous UE Conformance Testir**		**Yes**	**WG T1**	**MISTST1**	**MCC**
426	1365	**Support of Push Services**		No	WG SA2	PUSH	TSG
427	**1142**	**Charging and OAM&P (to be dispatche**		**No**	**WG SA5**	**OAM**	**MCC**
433	**1924**	**GERAN definition**	**NA**	**Yes**	**TSG GERAN**	**GERAN**	**TSG**
507	2062	**Subscription Management**	Rel4	No	WG SA5	SM	TSG
508	2071	**UTRAN Operations and Maintenance p**	Rel4	No	WG SA5	UOAM	TSG
509	1993	**small Technical Enhancements and Im**	Rel4	No		TEI4	MCC
510	**2128**	**Mobile IPv6 in overlay of PS domain**	**Rel5**	**No**	**WG SA2**	**MIPv6**	**WG**



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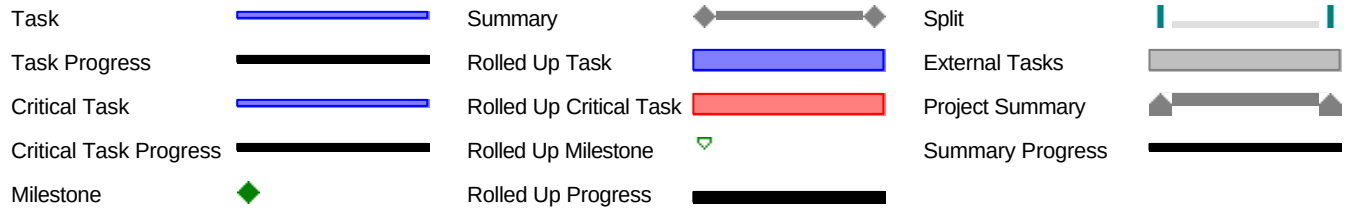
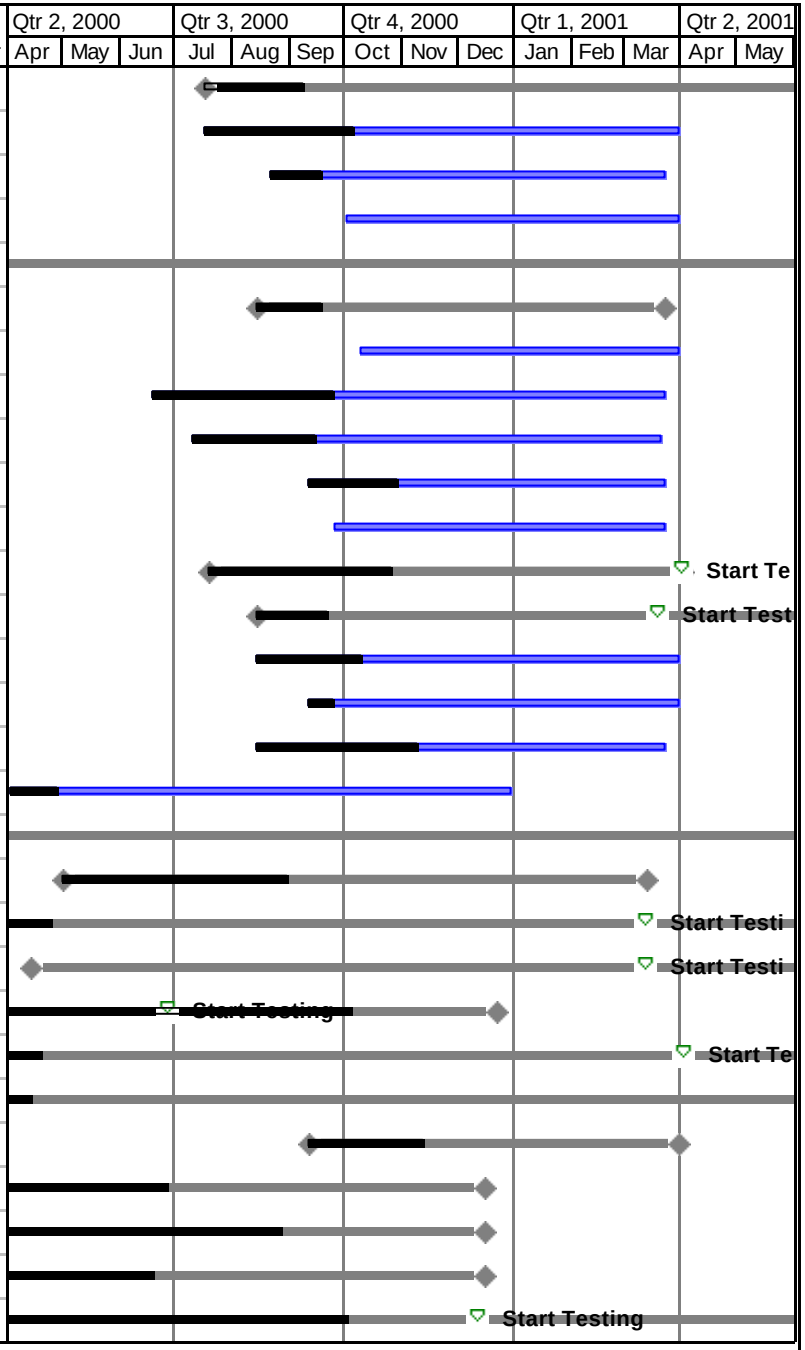


ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
6	**2**	**Evolutions of the transport in the UTR/**	**NA**	**Yes**	**TSG RAN**	**ETRAN**	**TSG**
7	625	**IP transport in the UTRAN**	Rel4	No	WG RAN3	ETRAN-IPtrans	TSG
10	12	**QoS optimisation for AAL2 connections**	Rel4	No	WG RAN3	ETRAN-QoSAAL2	TSG
11	1995	**Migration to modification procedures**	Rel4	No	WG RAN3	ETRAN-MigrMod	TSG
24	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**RInImp**	**TSG**
26	**1471**	**Base station classification**	**Rel4**	**No**	**WG RAN4**	**RInImp-BSClass**	**TSG**
30	1218	**Improved usage of downlink resource ir**	Rel4	No	WG RAN2	RInImp-CCTrCH	TSG
31	1507	**Terminal Power Saving features**	Rel4	No	WG RAN1	RInImp-TPS	TSG
32	1509	**UTRA repeater specification (master)**	Rel4	No	WG RAN4	RInImp-REP	TSG
33	1994	**DSCH power control improvement in sc**	Rel4	No	WG RAN1	RInImp-DSCHsho	TSG
34	1996	**UMTS 1800**	Rel4	No	WG RAN4	RInImp-UMTS18	TSG
47	**1222**	**Low Chip Rate TDD option**	**Rel4**	**No**	**WG RAN1**	**LCRTDD**	**TSG**
59	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**RANimp**	**TSG**
60	1466	**Smart antenna**	Rel4	No	WG RAN1	RANimp-SmartA	TSG
61	656	**RRM optimization for Iur and Iub**	Rel4	No	WG RAN3	RANimp-RRMopt	TSG
62	655	**Node B synchronisation for TDD**	Rel4	No	WG RAN1	RANimp-NBsync	TSG
123	1539	**Transparent End-to-End PS mobile str**	Rel4	No	WG SA4	PSTREAM	TSG
124	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**EMC1**	**WG**
133	**1654**	**For CS based calls**	**Rel4**	**No**	**WG CN1**	**EMC1-CS**	**TSG**
140	**1322**	**Enable bearer independent CS archite**	**Rel4**	**No**	**WG SA2**	**CSSPLIT**	**TSG**
155	**1333**	**CS multimedia services**	**Rel4**	**No**	**WG SA2**	**CSM**	**MCC**
166	**1340**	**Facsimile**	**Rel4**	**No**	**WG SA1**	**FAX**	**TSG**
189	**1526**	**Bearer Modification without pre-notific**	**Rel4**	**No**	**WG SA1**	**BMWPN**	**TSG**
219	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**OSA1**	**WG**
221	1424	**Interactions OSA - e-commerce**	Rel4	No	WG SA2	OSA1-ECOM	WG
252	**1445**	**MExE enhancements**	**NA**	**Yes**	**WG T2**	**MEXE1**	**TSG**
253	**1447**	**MExE Security**	**Rel4**	**No**	**WG SA3**	**MEXE1-SEC**	**TSG**
256	**1810**	**MExE Improvements and Investigations**	**Rel4**	**No**	**WG T2**	**MEXE1-ENHANC**	**TSG**
265	**1625**	**Wideband Telephony Service - AMR (I**	**Rel4**	**No**	**WG SA4**	**AMRWB**	**TSG**



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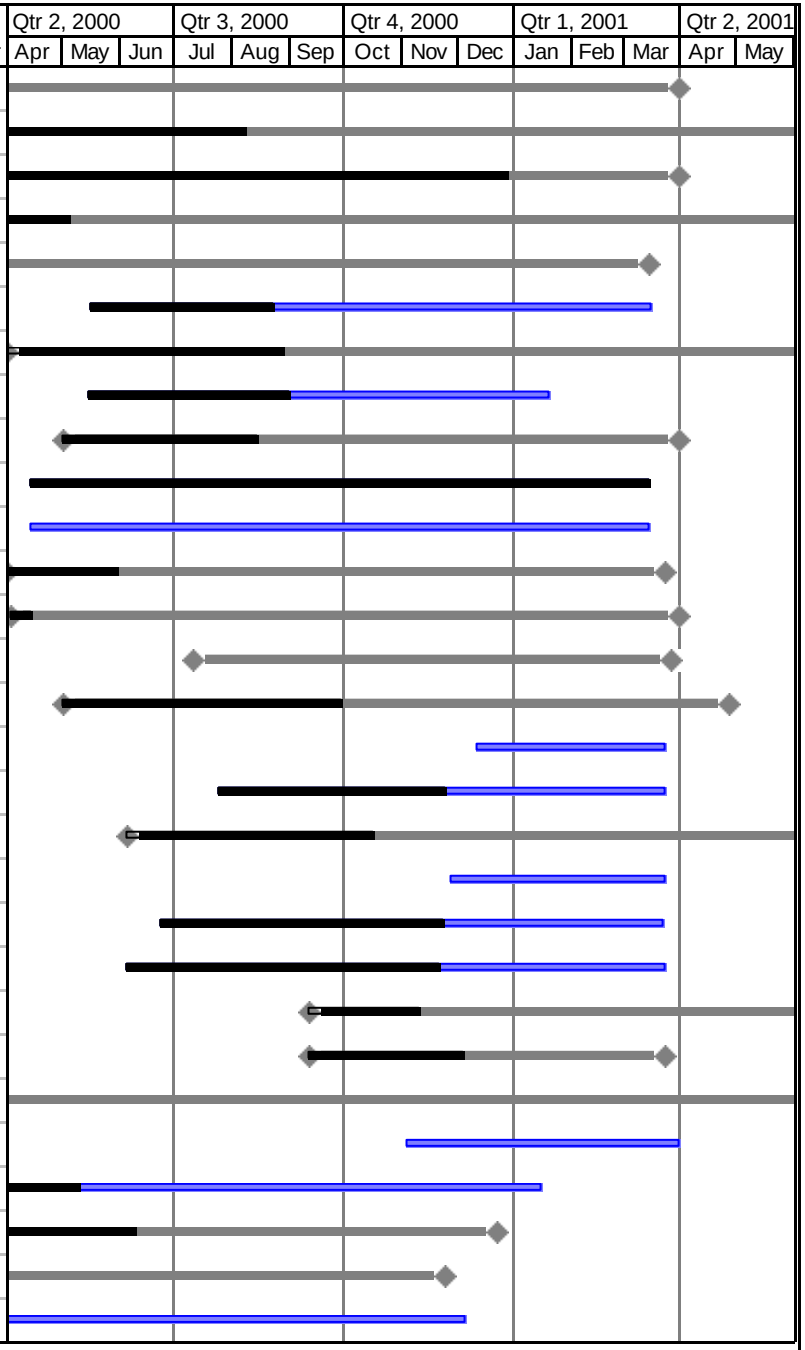
284	**1541**	**Transcoder-Free Operation**	**Rel4**	**No**	**WG CN4**	**TrFO**	**MCC**
297	**1631**	**Tandem Free aspects for 3G and betwe**	**Rel4**	**No**	**WG SA4**	**TFO**	**MCC**
304	**1818**	**Multimedia Messaging**	**Rel4**	**No**	**WG T2**	**MMS**	**TSG**
312	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	**TI**	**CHAIR**
313	**1827**	**AT commands**	**Rel4**	**No**	**WG T2**	**TI-ATC**	**CHAIR**
322	1832	**Terminal local model**	Rel4	No	WG T2	TLM	TSG
323	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**LCS1**	**TSG**
330	523	**LCS support in the CS domain**	Rel4	No	WG SA2	LCS1-CS	
331	**525**	**LCS support in the PS domain**	**Rel4**	**No**	**WG SA2**	**LCS1-PS**	
338	2229	**CBS interactions**	Rel4	No	WG T2	LCS1-CBS	
339	1916	**MExE interactions**	Rel4	No	WG T2	LCS1-MEXE	
340	**1600**	**UE positioning**	**Rel4**	**No**	**TSG RAN**	**LCS1-UEpos**	**TSG**
349	**1542**	**Ensure reliable QoS for PS domain (Ma**	**Rel4**	**No**	**WG SA2**	**QoSPS**	**MCC**
373	**1557**	**QoS for CS services at HOs (inter-MSC**	**Rel4**	**No**	**WG SA2**	**QoSCS**	**MCC**
376	**1560**	**UICC/(U)SIM enhancements and interw**	**NA**	**Yes**	**WG T3**	**UICC1**	**MCC**
378	1562	**UICC/USIM database specification**	Rel4	No	WG T3	UICC1-DataB	TSG
379	1799	**Common PCN Handset Specification (C**	Rel4	No	WG T3	UICC1-CPHS	TSG
381	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	**USAT1**	**MCC**
382	1566	**Enhancements to (U)SIM toolkit secure**	Rel4	No	WG T3	USAT1-SM	TSG
383	1801	**Protocol Standardisation of a SIM Tool**	Rel4	No	WG T3		TSG
384	2034	**USAT local link**	Rel4	No	WG T3	USAT1-LocLnk	TSG
385	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	**USAT1-API**	**MCC**
386	**2029**	Java API	**Rel4**	**No**	**WG T3**	**USAT1-API-JAV**	**MCC**
392	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**SEC1**	**TSG**
393	2099	**UE triggered authentication during con**	Rel4	No	WG SA3	SEC1-UETADC	TSG
394	1587	**Evolution of GSM CS algorithms (e.g. A**	Rel4	No	WG SA3	SEC1-CSALGO1	TSG
395	**1588**	**Evolution of GSM PS algorithms (e.g. G**	**Rel4**	**No**	**WG SA3**	**SEC1-PSALGO1**	**TSG**
410	**1583**	**MAP application layer security**	**Rel4**	**No**	**WG SA3**	**SEC1-MAPAL**	**TSG**
414	1594	**Visibility and Configurability of security**	Rel4	No	WG SA3	SEC1-VCS	TSG



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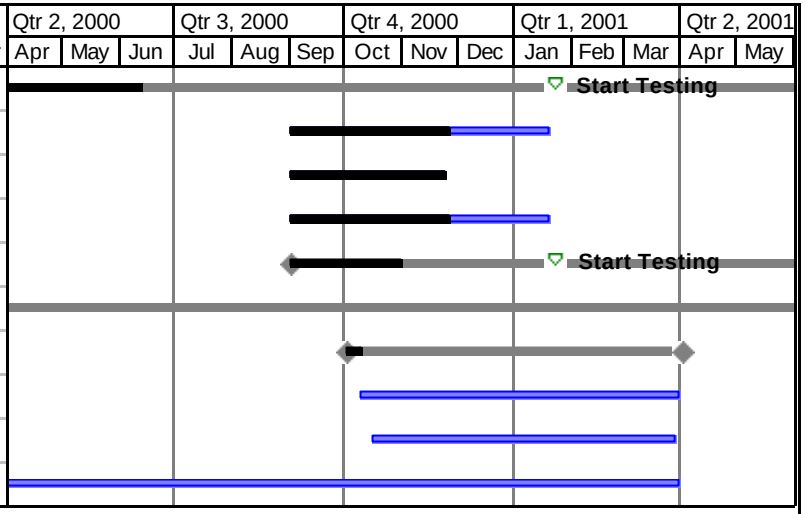
433	**1924**	**GERAN definition**	**NA**	**Yes**	**TSG GERAN**	**GERAN**	**TSG**
444	1987	**Low chip rate TDD interworking with GE**	Rel4	No	WG GERAN1	GERAN-TDD	TSG
445	1939	**Gb over IP**	Rel4	No	WG GERAN2		TSG
446	1940	**Enhance cell reselections**	Rel4	No	WG GERAN2	GERAN_Celres	TSG
468	**1954**	**700 MHz spectrum support**	**Rel4**	**No**	**TSG GERAN**	**GERAN-700**	**TSG**
481	**2159**	**Location service using GERAN**	**NA**	**Yes**	**TSG GERAN**	**GERAN-LCS**	**TSG**
483	**2161**	LCS for GERAN in A/Gb Mode	**Rel4**	**No**	**WG GERAN2**	**GERAN-LCS**	**TSG**
507	2062	**Subscription Management**	Rel4	No	WG SA5	SM	TSG
508	2071	**UTRAN Operations and Maintenance p**	Rel4	No	WG SA5	UOAM	TSG
509	1993	**small Technical Enhancements and Im**	Rel4	No		TEI4	MCC



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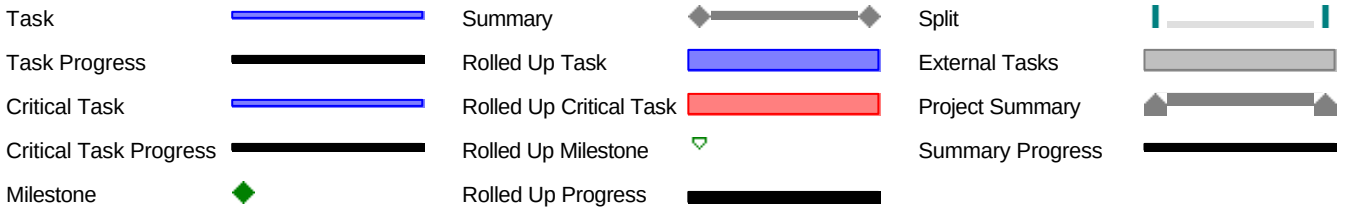
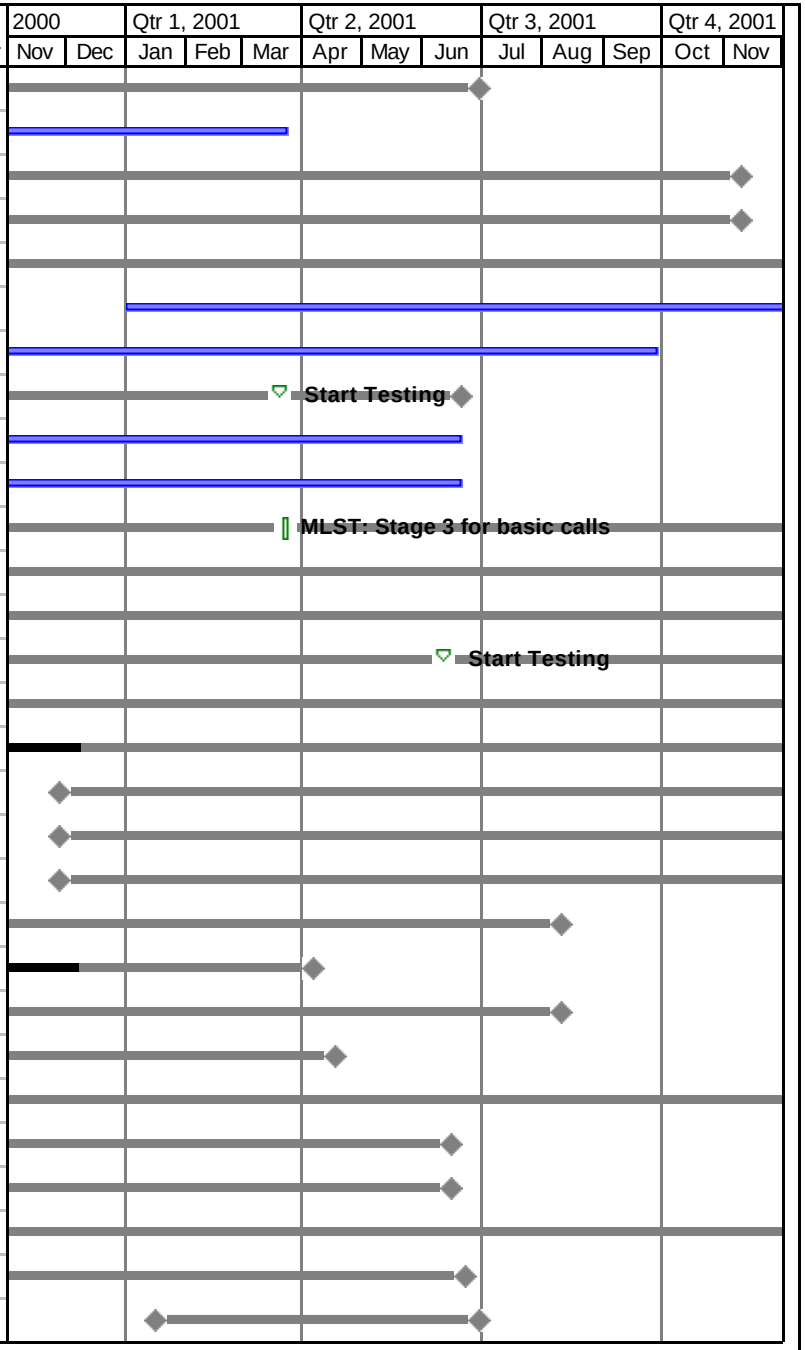


ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
6	**2**	**Evolutions of the transport in the UTR/**	**NA**	**Yes**	**TSG RAN**	**ETRAN**	**TSG**
8	624	**RAB support enhancement - no ROHC**	Rel5	No	WG RAN2	ETRAN-RABSE	TSG
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	**CNTRSP**	**MCC**
16	**859**	**IP Transport of CN protocols (e.g., CAP,**	**Rel5**	**No**	**WG CN4**	**IPinCN**	**MCC**
24	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**RInImp**	**TSG**
25	1470	**Improvement of inter-frequency and in**	Rel5	No	WG RAN1	RInImp-IfIsM	TSG
29	1217	**Hybrid ARQ II/III**	Rel5	No	WG RAN2	RInImp-HARQ	TSG
59	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**RANimp**	**TSG**
63	1680	**Header compression removal/stripping**	Rel5	No	TSG RAN		CHAIR
64	1686	**Unequal error protection in PS domain**	Rel5	No	TSG RAN		CHAIR
70	**1273**	**Provisioning of IP-based multimedia s**	**Rel5**	**No**	**WG SA1**	**IMS**	**TSG**
124	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**EMC1**	**WG**
125	**1653**	**For IP & PS based calls**	**Rel5**	**No**	**WG CN1**	**EMC1-PS**	**TSG**
175	**1517**	**Global Text Telephony**	**Rel5**	**No**	**WG SA2**	**GTT**	**TSG**
202	**1367**	**VHE enhancements**	**NA**	**Yes**	**WG SA1**	**VHE1**	**TSG**
203	1368	**Detailed definition of the VHE user prof**	Rel5	No	WG SA2	VHE1-USERP	WG
207	2104	**Extensions to existing (and possibly ne**	Rel5	Yes	WG SA2	VHE1-TLKT1	WG
211	2108	**Interaction between toolkits to enable I**	Rel5	Yes	WG SA2	VHE1-IMS	WG
215	2112	**Transparent roaming for services**	Rel5	Yes	WG SA2	VHE1-RMG	WG
219	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**OSA1**	**WG**
224	1429	**OSA APIs for MuMa CC**	Rel5	No	WG SA2	OSA1-CSCF	MCC
227	1419	**OSA security (!)**	Rel5	No	WG SA3	OSA1-SEC	TSG
234	1433	**Retrieval of Terminal capabilities**	Rel5	No	WG SA2	OSA1-TC	MCC
243	**1638**	**CAMEL phase 4**	**Rel5**	**No**	**WG SA1**	**CAMEL4**	**CHAIR**
312	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	**TI**	**CHAIR**
318	**1829**	**Wide Area Data Synchronisation**	**Rel5**	**No**	**WG T2**	**TI-WADS**	**CHAIR**
323	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**LCS1**	**TSG**
324	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**WG SA1**	**LCS1-EBP**	
346	**2125**	**Open LCS interfaces in UMTS and GER/**	**Rel5**	**No**	**WG SA2**	**LCS-INTF**	**WG**



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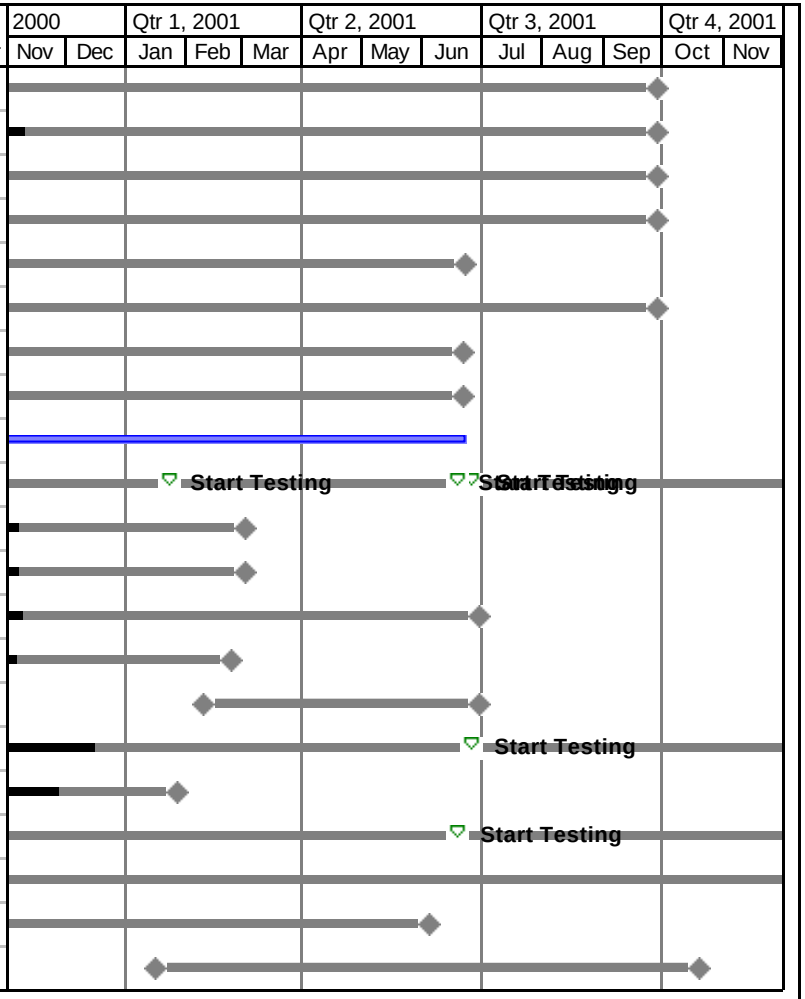
381	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	**USAT1**	**MCC**
385	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	**USAT1-API**	**MCC**
388	**2031**	Multos API	**Rel5**	**No**	**WG T3**	**USAT1-API-MUL**	**TSG**
392	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**SEC1**	**TSG**
399	**1572**	**Protection for user plane data**	**Rel5**	**Yes**	**WG SA3**	**SEC1-PUPD**	**TSG**
402	**1576**	**Network domain security**		**Yes**	**WG SA3**	**SEC1-NDS**	**TSG**
403	**1577**	Control plane protection in core network (e.g., G	**Rel5**	**No**	**WG SA3**	**SEC1-NDS**	**MCC**
406	**1580**	User plane protection in core network (e.g., pr	**Rel5**	**No**	**WG SA3**	**SEC1-NDS**	**MCC**
415	1595	**FIGS**	Rel5	No	WG SA3	SEC1-FIGS	MCC
433	**1924**	**GERAN definition**	**NA**	**Yes**	**TSG GERAN**	**GERAN**	**TSG**
434	**1927**	**GERAN/UTRAN interface evolution 1 (P**	**NA**	**Yes**	**TSG GERAN**	**GERAN-PS**	**TSG**
435	**1929**	Evolution of Iu ps	**Rel5**	**No**	**WG GERAN2**	**GERAN-PS**	**TSG**
438	**2193**	**GERAN/UTRAN interface evolution 2 (C**	**NA**	**Yes**	**TSG GERAN**	**GERAN-CS**	**TSG**
439	**1933**	Evolution of Iu cs	**Rel5**	**No**	**WG GERAN2**	**GERAN-CS**	**TSG**
442	**2185**	Evolution of A interface	**Rel5**	**No**	**TSG GERAN**	**GERAN-CS**	**TSG**
447	**1941**	**GERAN radio interface evolution**	**Rel5**	**No**	**TSG GERAN**	**GERAN-IFEVOL**	**TSG**
474	**1959**	**Real Time QoS for PS including VoIP**	**Rel5**	**No**	**TSG GERAN**	**GERAN-QoS**	**TSG**
476	**1961**	**Wideband telephony services**	**Rel5**	**No**	**TSG GERAN**	**GERAN-WBAMR**	**TSG**
481	**2159**	**Location service using GERAN**	**NA**	**Yes**	**TSG GERAN**	**GERAN-LCS**	**TSG**
496	**2174**	LCS for GERAN in Iu Mode	**Rel5**	**No**	**WG GERAN2**	**GERAN-LCS**	**TSG**
510	**2128**	**Mobile IPv6 in overlay of PS domain**	**Rel5**	**No**	**WG SA2**	**MIPv6**	**WG**



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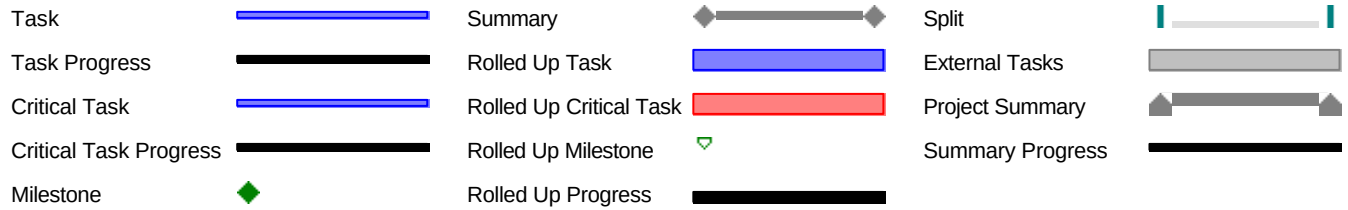

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6	**2**	**Evolutions of the transport in the UTR/**	**NA**	**Yes**	**TSG RAN**	**ETRAN**	**TSG**
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8	624	**RAB support enhancement - no ROHC**	Rel5	No	WG RAN2	ETRAN-RABSE	TSG
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11	1995	**Migration to modification procedures**	Rel4	No	WG RAN3	ETRAN-MigrMod	TSG
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	**CNTRSP**	**MCC**
16	**859**	**IP Transport of CN protocols (e.g., CAP,**	**Rel5**	**No**	**WG CN4**	**IPinCN**	**MCC**
24	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**RInImp**	**TSG**
25	1470	**Improvement of inter-frequency and in**	Rel5	No	WG RAN1	RInImp-IfIsM	TSG
26	**1471**	**Base station classification**	**Rel4**	**No**	**WG RAN4**	**RInImp-BSClass**	**TSG**
29	1217	**Hybrid ARQ II/III**	Rel5	No	WG RAN2	RInImp-HARQ	TSG
30	1218	**Improved usage of downlink resource ir**	Rel4	No	WG RAN2	RInImp-CCTrCH	TSG
31	1507	**Terminal Power Saving features**	Rel4	No	WG RAN1	RInImp-TPS	TSG
32	1509	**UTRA repeater specification (master)**	Rel4	No	WG RAN4	RInImp-REP	TSG
33	1994	**DSCH power control improvement in sc**	Rel4	No	WG RAN1	RInImp-DSCHsho	TSG
34	1996	**UMTS 1800**	Rel4	No	WG RAN4	RInImp-UMTS18	TSG
47	**1222**	**Low Chip Rate TDD option**	**Rel4**	**No**	**WG RAN1**	**LCRTDD**	**TSG**
59	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**RANimp**	**TSG**
60	1466	**Smart antenna**	Rel4	No	WG RAN1	RANimp-SmartA	TSG
61	656	**RRM optimization for Iur and Iub**	Rel4	No	WG RAN3	RANimp-RRMopt	TSG
62	655	**Node B synchronisation for TDD**	Rel4	No	WG RAN1	RANimp-NBsync	TSG
63	1680	**Header compression removal/stripping**	Rel5	No	TSG RAN		CHAIR
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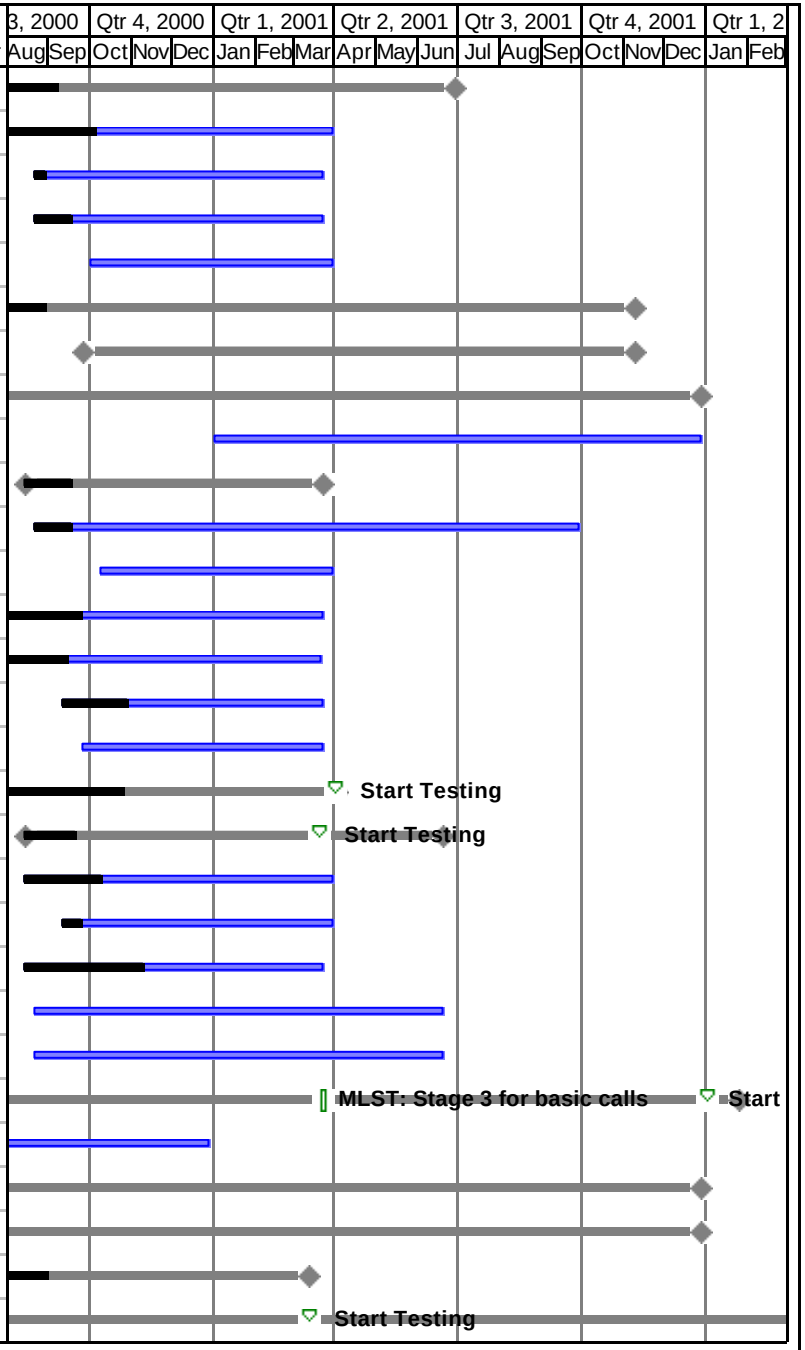
70	**1273**	**Provisioning of IP-based multimedia s**	**Rel5**	**No**	**WG SA1**	**IMS**	**TSG**
123	1539	**Transparent End-to-End PS mobile stre**	Rel4	No	WG SA4	PSTREAM	TSG
124	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**EMC1**	**WG**
125	**1653**	**For IP & PS based calls**	**Rel5**	**No**	**WG CN1**	**EMC1-PS**	**TSG**
133	**1654**	**For CS based calls**	**Rel4**	**No**	**WG CN1**	**EMC1-CS**	**TSG**
140	**1322**	**Enable bearer independent CS archite**	**Rel4**	**No**	**WG SA2**	**CSSPLIT**	**TSG**



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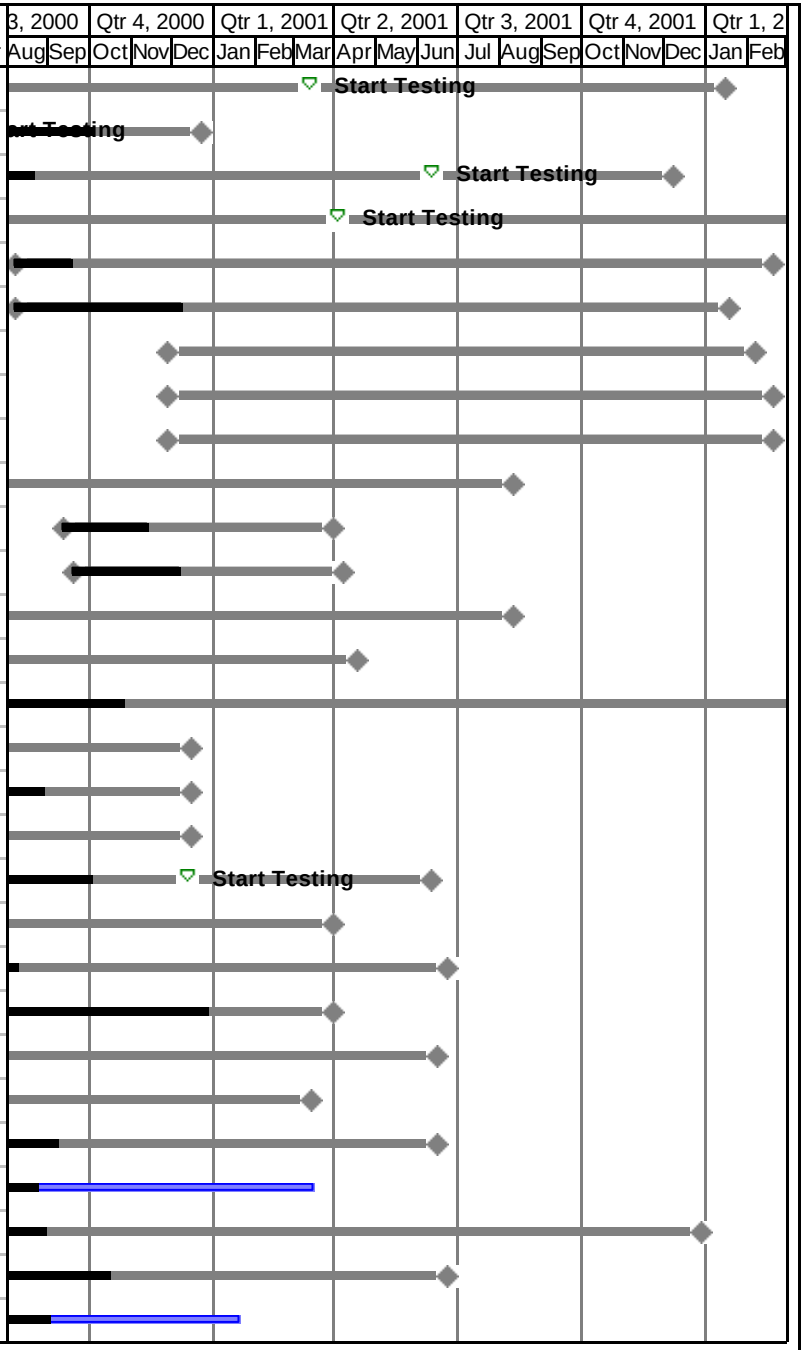
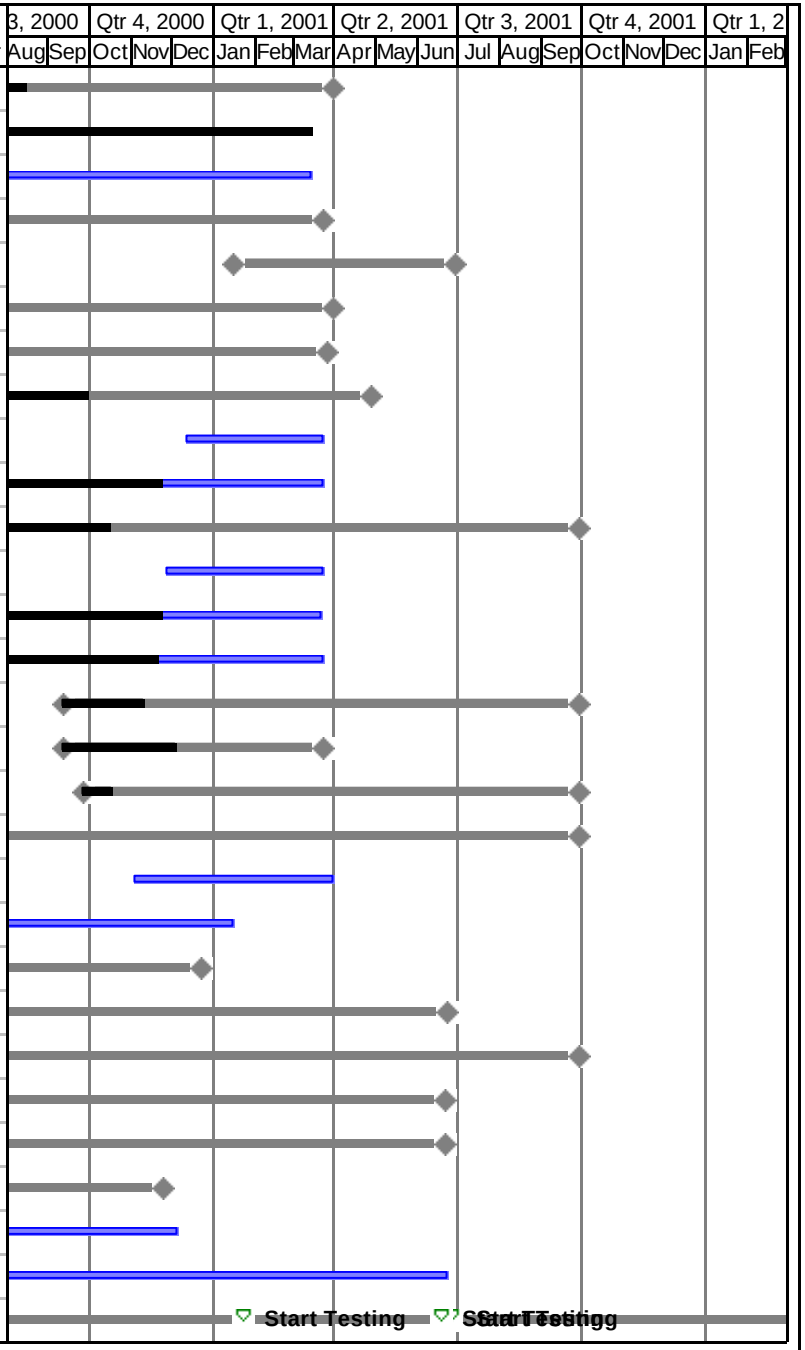
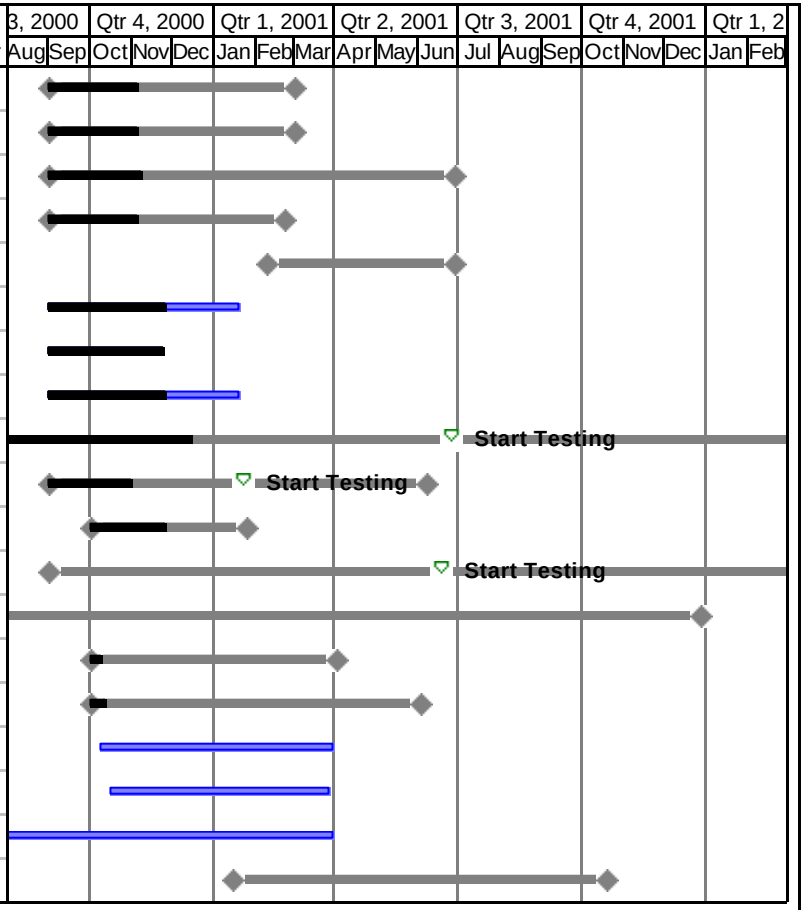
155	**1333**	**CS multimedia services**	**Rel4**	**No**	**WG SA2**	**CSM**	**MCC**
166	**1340**	**Facsimile**	**Rel4**	**No**	**WG SA1**	**FAX**	**TSG**
175	**1517**	**Global Text Telephony**	**Rel5**	**No**	**WG SA2**	**GTT**	**TSG**
189	**1526**	**Bearer Modification without pre-notific**	**Rel4**	**No**	**WG SA1**	**BMWPN**	**TSG**
202	**1367**	**VHE enhancements**	**NA**	**Yes**	**WG SA1**	**VHE1**	**TSG**
203	1368	**Detailed definition of the VHE user prof**	Rel5	No	WG SA2	VHE1-USERP	WG
207	2104	**Extensions to existing (and possibly ne**	Rel5	Yes	WG SA2	VHE1-TLKT1	WG
211	2108	**Interaction between toolkits to enable I**	Rel5	Yes	WG SA2	VHE1-IMS	WG
215	2112	**Transparent roaming for services**	Rel5	Yes	WG SA2	VHE1-RMG	WG
219	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**OSA1**	**WG**
221	1424	**Interactions OSA - e-commerce**	Rel4	No	WG SA2	OSA1-ECOM	WG
224	1429	**OSA APIs for MuMa CC**	Rel5	No	WG SA2	OSA1-CSCF	MCC
227	1419	**OSA security (!)**	Rel5	No	WG SA3	OSA1-SEC	TSG
234	1433	**Retrieval of Terminal capabilities**	Rel5	No	WG SA2	OSA1-TC	MCC
243	**1638**	**CAMEL phase 4**	**Rel5**	**No**	**WG SA1**	**CAMEL4**	**CHAIR**
252	**1445**	**MExE enhancements**	**NA**	**Yes**	**WG T2**	**MEXE1**	**TSG**
253	**1447**	**MExE Security**	**Rel4**	**No**	**WG SA3**	**MEXE1-SEC**	**TSG**
256	**1810**	**MExE Improvements and Investigations**	**Rel4**	**No**	**WG T2**	**MEXE1-ENHANC**	**TSG**
265	**1625**	**Wideband Telephony Service - AMR (I**	**Rel4**	**No**	**WG SA4**	**AMRWB**	**TSG**
284	**1541**	**Transcoder-Free Operation**	**Rel4**	**No**	**WG CN4**	**TrFO**	**MCC**
297	**1631**	**Tandem Free aspects for 3G and betwe**	**Rel4**	**No**	**WG SA4**	**TFO**	**MCC**
304	**1818**	**Multimedia Messaging**	**Rel4**	**No**	**WG T2**	**MMS**	**TSG**
312	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	**TI**	**CHAIR**
313	**1827**	**AT commands**	**Rel4**	**No**	**WG T2**	**TI-ATC**	**CHAIR**
318	**1829**	**Wide Area Data Synchronisation**	**Rel5**	**No**	**WG T2**	**TI-WADS**	**CHAIR**
322	1832	**Terminal local model**	Rel4	No	WG T2	TLM	TSG
323	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**LCS1**	**TSG**
324	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**WG SA1**	**LCS1-EBP**	
330	523	**LCS support in the CS domain**	Rel4	No	WG SA2	LCS1-CS	



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
331	**525**	**LCS support in the PS domain**	**Rel4**	**No**	**WG SA2**	**LCS1-PS**	
338	2229	**CBS interactions**	Rel4	No	WG T2	LCS1-CBS	
339	1916	**MExE interactions**	Rel4	No	WG T2	LCS1-MEXE	
340	**1600**	**UE positioning**	**Rel4**	**No**	**TSG RAN**	**LCS1-UEpos**	**TSG**
346	**2125**	**Open LCS interfaces in UMTS and GER**	**Rel5**	**No**	**WG SA2**	**LCS-INTF**	**WG**
349	**1542**	**Ensure reliable QoS for PS domain (M**	**Rel4**	**No**	**WG SA2**	**QoSPS**	**MCC**
373	**1557**	**QoS for CS services at HOs (inter-MSC**	**Rel4**	**No**	**WG SA2**	**QoSCS**	**MCC**
376	**1560**	**UICC/(U)SIM enhancements and interw**	**NA**	**Yes**	**WG T3**	**UICC1**	**MCC**
378	1562	**UICC/USIM database specification**	Rel4	No	WG T3	UICC1-DataB	TSG
379	1799	**Common PCN Handset Specification (C**	Rel4	No	WG T3	UICC1-CPHS	TSG
381	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	**USAT1**	**MCC**
382	1566	**Enhancements to (U)SIM toolkit secure**	Rel4	No	WG T3	USAT1-SM	TSG
383	1801	**Protocol Standardisation of a SIM Tooll**	Rel4	No	WG T3		TSG
384	2034	**USAT local link**	Rel4	No	WG T3	USAT1-LocLnk	TSG
385	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	**USAT1-API**	**MCC**
386	**2029**	Java API	**Rel4**	**No**	**WG T3**	**USAT1-API-JAV**	**MCC**
388	**2031**	Multos API	**Rel5**	**No**	**WG T3**	**USAT1-API-MUL**	**TSG**
392	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**SEC1**	**TSG**
393	2099	**UE triggered authentication during conn**	Rel4	No	WG SA3	SEC1-UETADC	TSG
394	1587	**Evolution of GSM CS algorithms (e.g. A**	Rel4	No	WG SA3	SEC1-CSALGO1	TSG
395	**1588**	**Evolution of GSM PS algorithms (e.g. G**	**Rel4**	**No**	**WG SA3**	**SEC1-PSALGO1**	**TSG**
399	**1572**	**Protection for user plane data**	**Rel5**	**Yes**	**WG SA3**	**SEC1-PUPD**	**TSG**
402	**1576**	**Network domain security**		**Yes**	**WG SA3**	**SEC1-NDS**	**TSG**
403	**1577**	Control plane protection in core network (e.g., G	**Rel5**	**No**	**WG SA3**	**SEC1-NDS**	**MCC**
406	**1580**	User plane protection in core network (e.g., pro	**Rel5**	**No**	**WG SA3**	**SEC1-NDS**	**MCC**
410	**1583**	**MAP application layer security**	**Rel4**	**No**	**WG SA3**	**SEC1-MAPAL**	**TSG**
414	1594	**Visibility and Configurability of security**	Rel4	No	WG SA3	SEC1-VCS	TSG
415	1595	**FIGS**	Rel5	No	WG SA3	SEC1-FIGS	MCC
433	**1924**	**GERAN definition**	**NA**	**Yes**	**TSG GERAN**	**GERAN**	**TSG**



ID	Unique ID	Name	Release	Splitable	Resource Na	Acronym	Level o
434	**1927**	**GERAN/UTRAN interface evolution 1 (P**	**NA**	**Yes**	**TSG GERAN**	**GERAN-PS**	**TSG**
435	**1929**	Evolution of Iu ps	**Rel5**	**No**	**WG GERAN2**	**GERAN-PS**	**TSG**
438	**2193**	**GERAN/UTRAN interface evolution 2 (C**	**NA**	**Yes**	**TSG GERAN**	**GERAN-CS**	**TSG**
439	**1933**	Evolution of Iu cs	**Rel5**	**No**	**WG GERAN2**	**GERAN-CS**	**TSG**
442	**2185**	Evolution of A interface	**Rel5**	**No**	**TSG GERAN**	**GERAN-CS**	**TSG**
444	1987	**Low chip rate TDD interworking with GE**	Rel4	No	WG GERAN1	GERAN-TDD	TSG
445	1939	**Gb over IP**	Rel4	No	WG GERAN2		TSG
446	1940	**Enhance cell reselections**	Rel4	No	WG GERAN2	GERAN_Celres	TSG
447	**1941**	**GERAN radio interface evolution**	**Rel5**	**No**	**TSG GERAN**	**GERAN-IFEVOL**	**TSG**
468	**1954**	**700 MHz spectrum support**	**Rel4**	**No**	**TSG GERAN**	**GERAN-700**	**TSG**
474	**1959**	**Real Time QoS for PS including VoIP**	**Rel5**	**No**	**TSG GERAN**	**GERAN-QoS**	**TSG**
476	**1961**	**Wideband telephony services**	**Rel5**	**No**	**TSG GERAN**	**GERAN-WBAMR**	**TSG**
481	**2159**	**Location service using GERAN**	**NA**	**Yes**	**TSG GERAN**	**GERAN-LCS**	**TSG**
483	**2161**	LCS for GERAN in A/Gb Mode	**Rel4**	**No**	**WG GERAN2**	**GERAN-LCS**	**TSG**
496	**2174**	LCS for GERAN in Iu Mode	**Rel5**	**No**	**WG GERAN2**	**GERAN-LCS**	**TSG**
507	2062	**Subscription Management**	Rel4	No	WG SA5	SM	TSG
508	2071	**UTRAN Operations and Maintenance p**	Rel4	No	WG SA5	UOAM	TSG
509	1993	**small Technical Enhancements and Im**	Rel4	No		TEI4	MCC
510	**2128**	**Mobile IPv6 in overlay of PS domain**	**Rel5**	**No**	**WG SA2**	**MIPv6**	**WG**



Project: 3GPP_Work Plan
Date: Thu 07/12/00