3GPP Work Plan – Cover page

Version 2001, March 20th

Introduction

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

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

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

Specific comments for this version

Main changes between version March 13th and March 20th

Inputs from TSG T, CN and RAN #11 have been included. WIs from T1, T2, S5, R1, R2, R3, R4, S4, CN.
CN details there changes as explained here:
CS split now 100% done in CN4
Em call enhanc 100% complete
CS multimedia services to be DELETED
Fax 100% complete
GTT 40% complete
BMWPN to be DELETED
OSA enh 20% complete (AZ will update for SA)
WB AMR in CN1 stays at 0%
TrFO: CN1 & CN4 both 100% complete
IWF at edge to be DELETED
TFO work in CN: Yun-Chao reckons >0% but doesn't know how much... Stephen suggests leave at 0% since we don't know.
Location services: Leave event based & periodic LCS at 0% for now;.
QoS: 0% for stage 3 is still valid.·
Interactions with ext QoS mech: 0%·
New codepoints for QoS in CN1 (1659): 0%·
IPSec for GTP is now complete in CN4.·
ASCI for Rel4: CN1 is now 100% complete. Iain S adds that CN4 work is 100% complete.·
ODB at 100% complete NEEDS TO BE ADDED to P-PLAN·
CN1 work on low chip rate TDD is 100% complete

One undocumented comment from S1 has also been incorporated:
The following WIs have to be deleted:
In CC and roamikng of the IMS:
1804 SIP interactions with the Rel4 Supl Services
1650 Check if any

1651 Stage 3 if applicable

Main changes between version February 16th and March 13th

Changes from the following Working Groups have been incorporated:
R1, R2, R3, R4
S2, S3, S4
N2, N3, N4
T2, T3
More details are provided bellow on changes from R1, R2, R3, T2, T3, N2, N3, S2 and S3.
N1 has provided its latest changes in January, S1 in November, S5 and N5 in February, T1 in December.

R1 changes

DELETED: Unique ID 1466, Smart antenna Rel4 No WG RAN1 Yes Mon 12/03/01RANimp-SmartA TSG Mon 14/08/00 Fri 30/03/01 25% RAN_Wis
G. Yang, CWTS

R2 changes

5 Mar 2001: splitting off of IPDL for TDD for Rel-4 agreed by R2 with respect to Unique ID 2457,
UE positioning enhancements - other methods Rel5 No WG RAN2 Yes Mon 12/03/01LCS1-UEpos-enhWG Mon 28/08/00 Fri 28/12/01 24% RAN_Wis
M. Beckmann, Siemens

R3 changes

Unique ID 1995, Migration to modification procedures Rel4 No WG RAN3 No
ETRAN-MigrMod TSG Mon 02/10/00 Fri 30/03/01 50%
RAN Wis T. Yoshimura, Japan Telecom
Change of name to: Transport bearer modification procedure on Iub, Iur, and Iu
100% complete

T2 changes

The following WI is proposed for deletion:
917 Alternatives to AT commands (TBD)

T2 agreed to move
1831 vObjects and Other Constructs for Use in Data Synchronisation
from Rel4 to Rel5 which I reflected in the work plan. Related to this I changed the Release of
1829 Wide Area Data Synchronisation to "NA" because it includes Rel4 and Rel5 WTs.

T2 agreed to delete the following WTs from Rel4 (feature MExE enhancements)
1816 FS on Support of (U)SAT/OSA/CAMEL interaction to provide advance services No
WG T2
1813 FS on AT command support No WG T2
1811 Support of the Terminal parts of the VHE /User Profile No WG T2

T3 changes

DELETED: Unique ID 1562, UICC/USIM database specification Rel4 No WG T3 Yes
UICC1-DataB TSG Mon 11/12/00 Fri 23/03/01 0% TP-99210
Jean-Francois Rubon (Gemplus) 8/3/2001: Work item deleted at T3 #17.

N2 changes

CAMEL4 is a Rel-5 feature, and SA1 have almost completed the service requirements. The SA1 CAMEL ad hoc will no longer conduct separate meetings, but be part of the regular SA1 meetings. For

the CN2#17 meeting new service requirements were introduced as result of recent SA1 agreements. This are introduced as 3 new work tasks under CAMEL4 as follows:

- **Enhancements of dialled services**
- **Provision of location information of called subscriber**
- **Notification of GPRS mobility management**

The 3 worktasks were discussed and progressed during CN2#17.

Other work tasks under the feature CAMEL phase 4 were modified regarding % of completion (2 WT's almost complete) and dates to fit the Rel-5 timeschedule.

No work is done on worktask 'Impact on CAMEL stage 3' (ID1288) under the feature 'Provisioning of IP-based multimedia services'. Should be clarified what interaction exists with ID2017 'CAMEL applicability to media streams like VoIP'.

For Rel-4 under the feature' Evolutions of the transport in the CN' :
ID2018: CN2 has completed the CAP part.

N3 changes

WID: **UID** 2047, **WI_CODE** IMS-CCR-IWCS, **WI Title** "Interworking between IM CN subsystem and CS networks "
Modification: Move back end date to December 2001
Change to WI Title
Change to % complete.
Added missing TS number

WID: **UID** 2048, **WI_CODE** IMS-CCR-IWIP , **WI Title** "Interworking between IM CN subsystem and IP networks"
Modification: Move back end date to December 2001
Change to WI Title
Change to % complete.
Added missing TS number

WID: **UID** 1325, **WI_CODE** CSSPLIT , **WI Title** " Standardisation of protocols (control & user planes) over Nb interface"
Modification: Change to WI Title
Change to % complete.

WID: **UID** 1655 [inc. 1336 1337], **WI_CODE** CSM-SWAP , **WI Title** " Circuit-switched multimedia swap and fallback "
Modification: **CN3 propose to delete this WI, as no work will be done in this area.**

WID: **UID** 1524, **WI_CODE** GTT-IW , **WI Title** "GTT Interworking "
Modification: CN3 consider the present solution requires no contribution from CN3. **The CN3 WI can de deleted** (poss. later revived)

WID: **UID** 1359, **WI_CODE** BMWPN-SMWOP , **WI Title** " Service Modification without pre-notification "
Modification: CN3 expect the SA1 WID to be deleted and CN3 will request CN#11 to **Delete this CN3 WID**

S2 changes

Unique ID 1678: Stage 2 of IP Transport of CN protocols (e.g., CAP, MAP) (in Evolutions of the transport in the CN) has been deleted: it's now useless: Stage 3 is now completed and no Stage 2 has ever been started.

Unique ID 1364: Bearer Modification because of radio conditions. Proposed to be deleted. No new work ever started on this issue.

Note that the complete Feature “Bearer Modification without pre-notification” is proposed for deletion.

Unique ID 1339: Stage 2 of CS multimedia services has been deleted. No company involved, and no new issue to be done for Rel-4.
Note that the complete Feature “CS multimedia services” is proposed for deletion.

Unique ID 1557: QoS for CS services at HOs (inter-MSC and SRNS change): Complete feature proposed to be deleted. Check SA and GERAN opinions. No new work ever started on this issue.

Unique ID 1614: Protocol impacts of FS on Transport and control separation in the PS CN domain of Evolutions of the transport in the CN (WG CN4):
Deleted as the stage 2 of “FS on Transport and control separation in the PS CN domain” has concluded that such feature is not needed.

S3 changes

Deleted: Unique ID 1612, General security issues
It should be replaced by new work items at SA#9 (home control and MS triggered authentication).

Detailed changes

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

General recurrent information

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

General description

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

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

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

The Work Plan is provided in the form of a Gantt chart: the left part contains the names and attributes of the Work Items, the right part contains a calendar view reflecting the work progress (blue and grey lines apply to foreseen tasks, black lines for completed tasks).
The indentation of WI names reflects the hierarchical level in the tree structure (Features, Building Blocks, and Work Tasks).

Attributes applicable to a WI

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

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

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

How the changes on the Work Plan are tracked?

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

Global level

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

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

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

Detailed level

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

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

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

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

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

History

This section is reset after each plenary meeting.

Main changes between version Dec. 13th and Dec. 19th

The two errors mentioned at the closing of TSG SA#10 have been corrected, i.e.:

- IP Transport of CN protocols (e.g., CAP, MAP) (Unique ID 859) is changed from Rel5 to Rel4
- Wide Area Data Synchronisation (Unique ID 1829) is also changed from Rel5 to Rel4.

Main changes between version Dec. 19th and February 16th

CN WG1:

ID 2233: change the WI title, and add 23.218 as subtask. New link of the agreed WID in TSGN#10.
ID2101: dates are not realistic "Emergency call recalling capability enhancement" TSG#14. The feature should be removed from the WID. SA1 need to be informed. Remove the Work Task.
ID1317: end date is to be aligned with TSG#14.
ID1321: Emergency call recalling capability enhancement for CS Is there any changes for Rel-4? We want to revise the WI to remove the definition of it. It is defined in 22.010
It will not be developed in CN1, the rapporteur will revise the WI. SA1 need to be informed.
Stage 1 Crs will be propose to the next SA1 meeting by private companies at the intention of changing the scope of the WI which has been agreed in CN1. For both ID2101 and ID1321 remove Work Task.
ID2225: change the end date to align with TSG#14.
ID1322: no comments if we had contributions!
ID1360: it shows 0% completion and no work has been done in CN1. No contribution is foreseen delete from the work plan
ID1359: ask the plenary if this feature is necessary at all!
ID1656: We need to find out and report the accuracy of this Wt, we need to discuss this in the next meeting. A summery is required to be reported to TSGN#11.
ID526 Summery for this WI status is required to be presented to the next TSGN#11.What else is needed for CN1 before we can say it is complete.
ID523 add a new task The WID need to be reviewed to see if CN1 is included and CN1 specs as well.
ID1545: we need SA2 to tell us what are the requirements. Is there any task for CN1 in ID 1545, GMM and SM aspects of QoS? ID1551, ID1659, ID1660 what are these for?
ID2099: there will be some contributions in this area, we will add a new WT saying stage 3. Date to end the task is end of March.
ID2248: fix the start time and finish time is TSGN#11.
ID2231: not splitable.
ID1679: add CN1 WT as BSSAP+. The WID need to be revised to cover the change.
ID2230 Advanced Speech Call Items title need to be changed, where the WI is called Advanced Speech Call Items enhancement.
A TEI5 WI is needed.
LCS WID need updating by SA2. It still refers to R00 and CN1 need to be added.

CN WG2:

Unique ID	Title	Release	Notes of progress
2018	CAP over IP	REL-4	CN4 is working on this. On schedule. CN2 will follow the principles decided in CN4. % completed increased until 15/1.
	CAMEL4 / Stage 1	REL-5	Not an CN2 issue
2014	CAMEL4 / Interactions with Optimal Routing	REL-5	On schedule. Increase completion rate so that it is seen to be according to schedule. % completed increased until 15/1.
	CAMEL4 / Call Party Handling	REL-5	Some progress. <No increase

			incompletion rate.
2013	CAMEL4 / Mid call procedure for MO and MT calls	REL-5	On schedule. Increase completion rate so that it is seen to be according to schedule. % completed increased until 15/1.
	CAMEL4 / Provisioning of IP-based multimedia services	REL-5	On standstill, no progress. The service requirement & architecture is open.
	CAMEL4 / CAMEL applicability to media streams like VoIP	REL-5	On standstill, no progress. The service requirement & architecture is open.
2016	CAMEL4 / CAMEL control over MT SMS	REL-5	On schedule. Increase completion rate so that it is seen to be according to schedule. % completed increased until 15/1.
2015	CAMEL4 / Inclusion of flexible tone injection	REL-5	On schedule. Increase completion rate so that it is seen to be according to schedule. % completed increased until 15/1.
	CAMEL4 / Charging notification to the CSE	REL-5	On standstill, no progress. The service requirement & architecture is open.

CN WG3 (N3#15):

For [U-ID 2047] "Multimedia domain and CS networks Interworking" - changed the rapporteur, and removed requirement for TR xx.xxx.
For [U-ID 2048] "Multimedia domain and IP networks Interworking" - changed the rapporteur
For [U-ID 1325] "Standardisation of protocols (control & user planes) over reference points between MGWs" - changed the % complete to 50%.
For [U-ID 1655] "Circuit-switched multimedia swap and fallback
" - IMPORTANT note added on the status of this WI. Pushed back from Rel-4 to Rel-5.
For [U-ID 1359] "Service Modif without Pre-notif" - IMPORTANT NOTE ADDED "No more work will be done on this WID SA1 are requested to delete the requirements"
For [U-ID 2205] "IWF at the EDGE" - IMPORTANT NOTE ADDED "CN3 has no intention to pursue this WI further due to the lack of rapporteur and contributions"

RAN WG2:

- ETRAN-RABSE (RAB support enhancement - no ROHC):
  - Moved to RAN improvements
  - Acronym corrected to RANimp-RABSE

- ETRAN-RABSE (RAB support enhancement - ROHC part):
  - Moved to RAN improvements
  - Release corrected to Rel4
  - Acronym corrected to RANimp-RABSE

- <no acronym> (Evolutions of the transport in the UTRAN//Logical Test Interface, Specification, R4 evolution of UTRAN):
  - Start and finish dates moved to April-June period after consultation with T1 Secretary

- TI-ATC (EMMI Specification):
  - Start and finish dates moved to April-June period after consultation with T1 Secretary

- LCRTDD-Uerac (UE radio access capability):
  - Acronym corrected to LCRTDD-UErac

- ID 1558 <no acronym> (QoS for CS services at HOs (inter-MSC and SRNS change)//UTRAN aspects):
- Deleted after consultation with S2 Secretary

- <no acronym> (Evolutions of the transport in the UTRAN//Logical Test Interface,
Specification, R4 evolution of UTRAN):
- Deleted in accordance with decision in T1

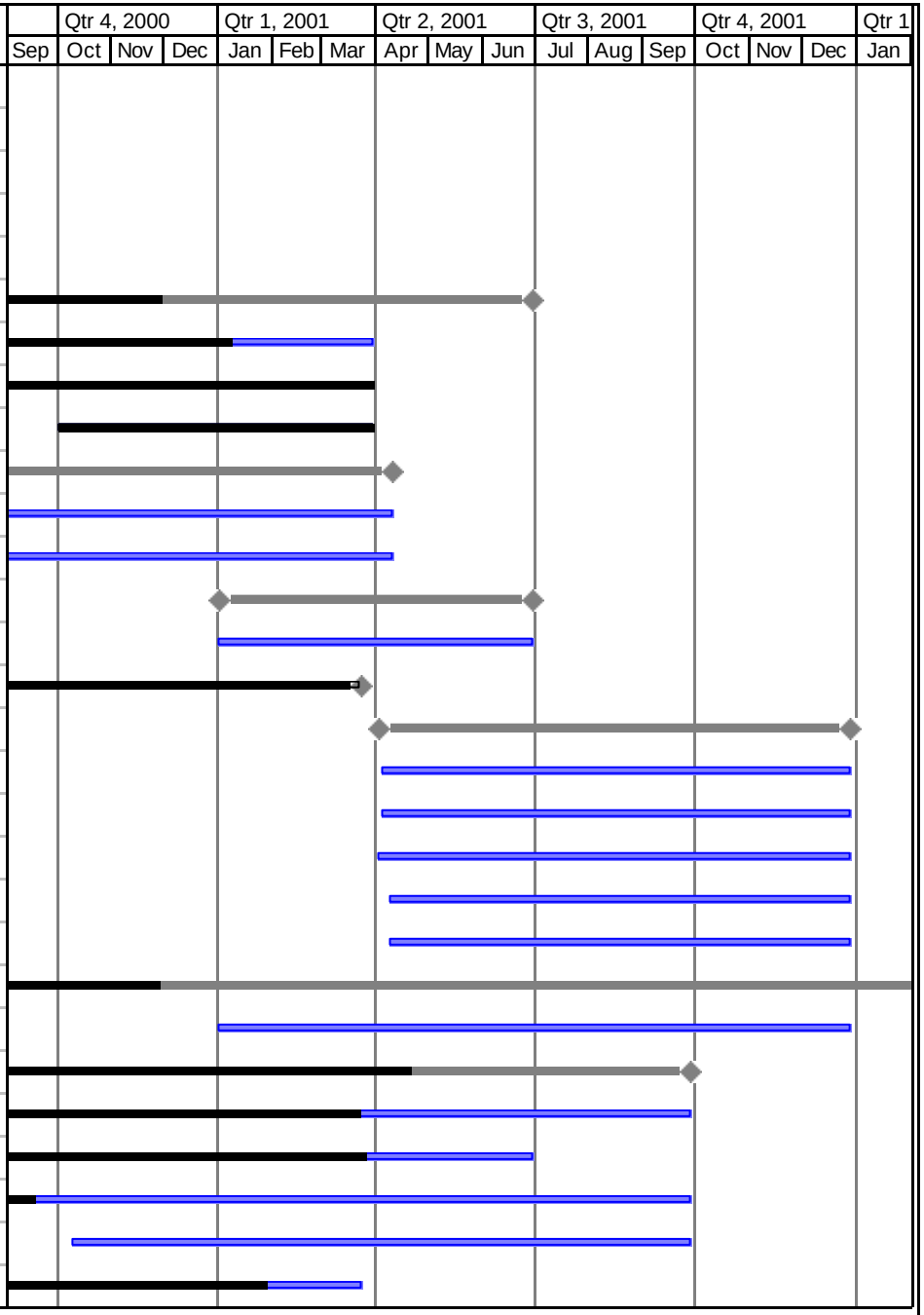
- TI-ATC (EMMI Specification):
- Deleted in accordance with decision in T1

- <no acronym> (Tandem Free aspects for 3G and between 2G and 3G systems//
Tandem Free AMR//
Implementation//
in UTRAN):
- Deleted after consultation with R3 and S4

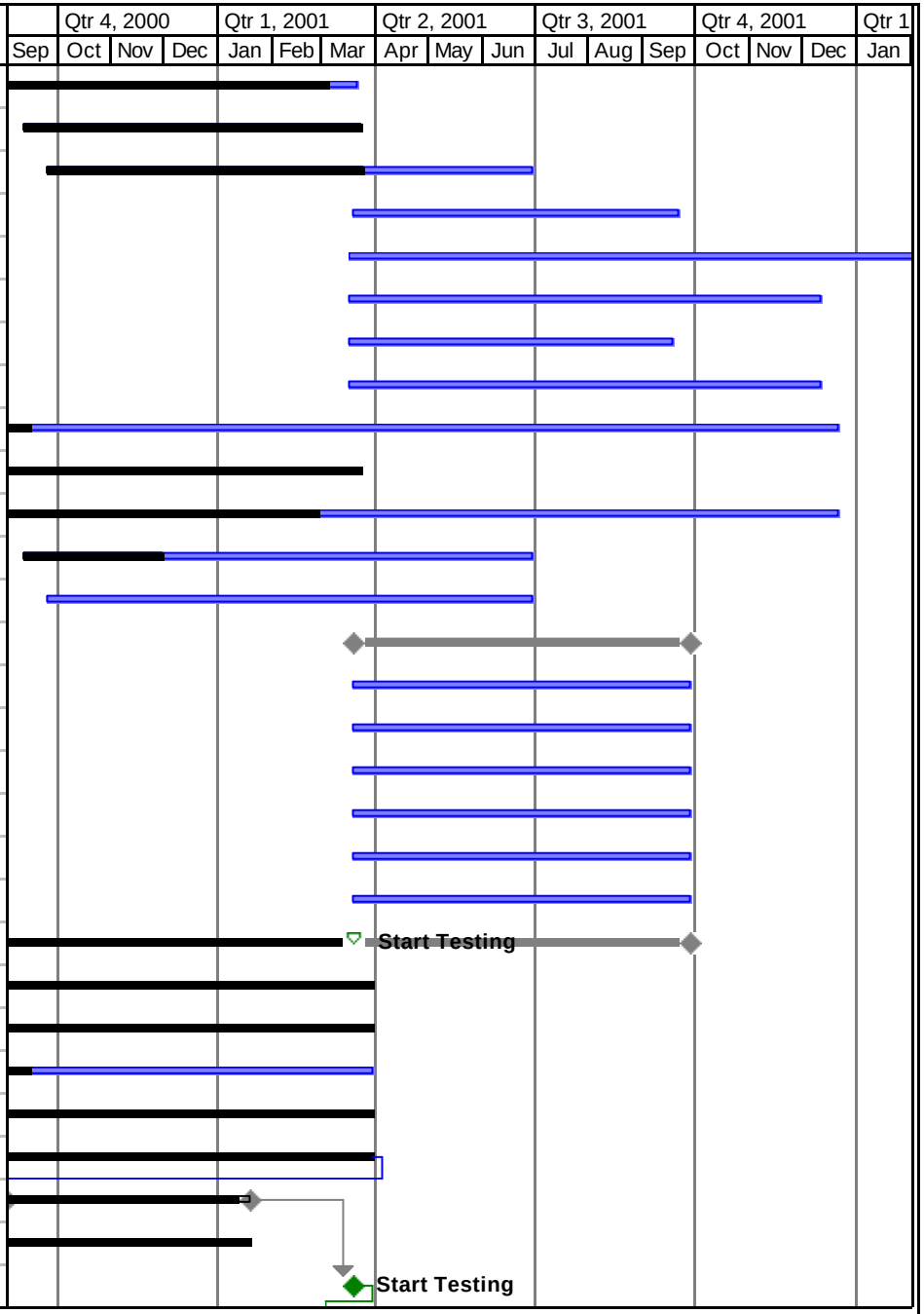
RAN WG3:

The following lines are deleted:
767: (TB Confirmed) Bearer establishment between MSC and RNC and between RNC and Node B
897: (TB Confirmed) Notification of the Codec mode to RAN, Iu UP control procedure (rate control, initialization, time alignment)

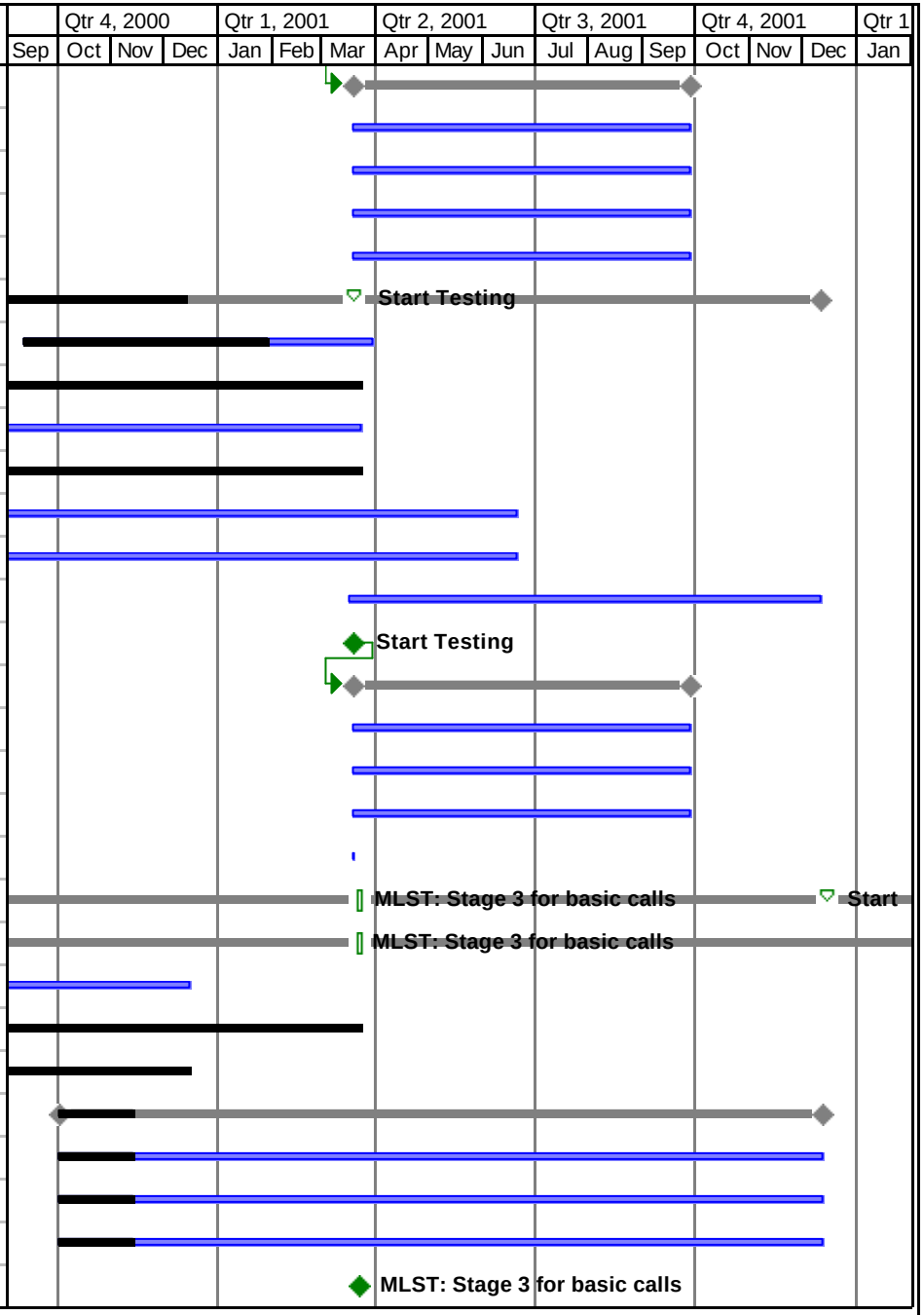
ID	Unique ID	Name	Release	Splitable	Resource Name	Level
1	2044	**VERSION 2001 March 20th**		No		
2	1462	**"CTRL + a" to display all the 3GPP fields**		No		
3	1463	**If MS Project crashes, hide the "hyperlink" fi**		No		
4	2058			No		
5	96			No		
6	**2**	**Evolutions of the transport in the UTRAN**	**NA**	**Yes**	**TSG RAN**	**TSG**
7	625	**IP transport in the UTRAN**	Rel5	No	WG RAN3	TSG
8	12	**QoS optimisation for AAL2 connections over I**	Rel4	No	WG RAN3	TSG
9	1995	**Transport bearer modification procedure on Iu**	Rel4	No	WG RAN3	TSG
10	**2257**	**Evolution of transport in UTRAN and GERAN**	**Rel4**	**No**	**WG RAN3**	**TSG**
11	2258	Addition of transport mechanisms other than ATM for Iu		No	WG RAN3	TSG
12	2259	Addition of transport mechanisms other than ATM for Iu		No	WG RAN3	TSG
13	**1834**	**Conformance Test Aspects**		**No**	**WG T1**	
14	2208	Testing RAB support enhancements		No	WG T1	
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	
24	**2476**	**High Speed Downlink Packet Access**	**Rel5**	**No**	**WG RAN2**	**TSG**
25	2477	**Physical Layer**		No	WG RAN1	TSG
26	2478	**Layer 2 and 3 aspects**		No	WG RAN2	TSG
27	2479	**Iub/Iur protocol aspects**		No	WG RAN3	TSG
28	2480	**RF Radio Transmission/ Reception, System Pe**		No	WG RAN4	TSG
29	2481	**Enhancement of Broadcast and Introduction**	Rel5	No	WG RAN2	TSG
30	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**TSG**
31	1470	**Improvement of inter-frequency and inter-sys**	Rel5	No	WG RAN1	TSG
32	**1471**	**Base station classification**	**Rel4**	**No**	**WG RAN4**	**TSG**
33	1476	FDD Base station classification		No	WG RAN4	TSG
34	1477	TDD Base station classification		No	WG RAN4	TSG
35	1217	**Hybrid ARQ II/III**	Rel5	No	WG RAN2	TSG
36	1218	**Improved usage of downlink resource in FDD f**	Rel5	No	WG RAN2	TSG
37	1507	**Terminal Power Saving features**	Rel4	No	WG RAN1	TSG



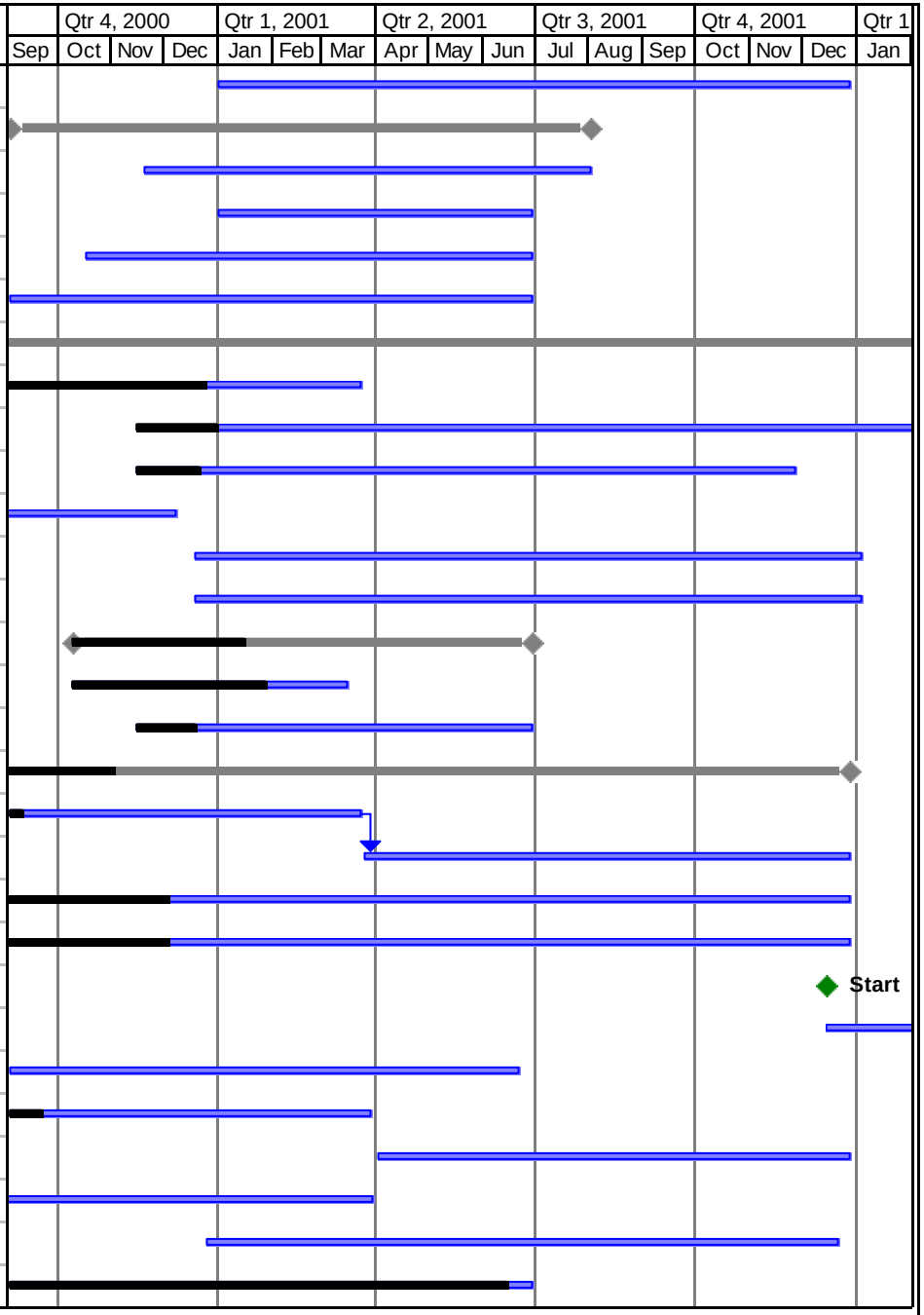
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
38	1509	**UTRA repeater specification (master)**	Rel4	No	WG RAN4	TSG
39	1994	**DSCH power control improvement in soft han**	Rel4	No	WG RAN1	TSG
40	1996	**UMTS 1800**	Rel4	No	WG RAN4	TSG
41	2467	**UMTS 1900**	Rel5	No	WG RAN4	TSG
42	2468	**Multiple Input Multiple Output antennas (MIMC**	Rel5	No	WG RAN1	TSG
43	2469	**Enhancement on the DSCH hard split mode**	Rel5	No	WG RAN1	TSG
44	2470	**Gated DPCCH Transmission**	Rel5	No	WG RAN1	TSG
45	2471	**FS on Fast Cell Selection (FCS) for HS-DSCH**		No	WG RAN1	TSG
46	1506	**FS on Radio link performance enhancements**		No	WG RAN1	TSG
47	1219	**FS on High Speed downlink packet access**		No	WG RAN2	TSG
48	1221	**FS on USTS**		No	WG RAN1	TSG
49	1510	**FS on improved common DL channel for Cell-I**		No	WG RAN2	TSG
50	1997	**FS on UE antenna efficency test method perfc**		No	WG RAN4	TSG
51	**1839**	**Conformance Test Spec. improvements in Rac**		**No**	**WG T1**	
52	2210	Testing improvement of inter-frequency and inter-syster		No	WG T1	
53	2211	Testing Hybrid ARQ II/III		No	WG T1	
54	2212	Testing Improved usage of downlink resource in FDD fo		No	WG T1	
55	2213	Testing Terminal Power saving features		No	WG T1	
56	2214	Testing DSCH power control improvement in soft handc		No	WG T1	
57	2215	Testing UMTS 1800		No	WG T1	
58	**1222**	**Low Chip Rate TDD option**	**Rel4**	**No**	**WG RAN1**	**TSG**
59	1223	**Physical layer**		No	WG RAN1	TSG
60	1224	**Layer 2 and layer 3 protocol aspects**		No	WG RAN2	TSG
61	1225	**RF radio transmission/reception, system perfc**		No	WG RAN4	TSG
62	1227	**UE radio access capability**		No	WG RAN2	TSG
63	1228	**Iub/Iur protocol aspects**	Rel4	No	WG RAN3	TSG
64	**2262**	**Low chiprate TDD interworking with GERAN**		**No**		
65	2263	Handover and Cell Selection / Reselection to UTRA 1.28		No		
66	1911	**Start Testing**		No	MLST	



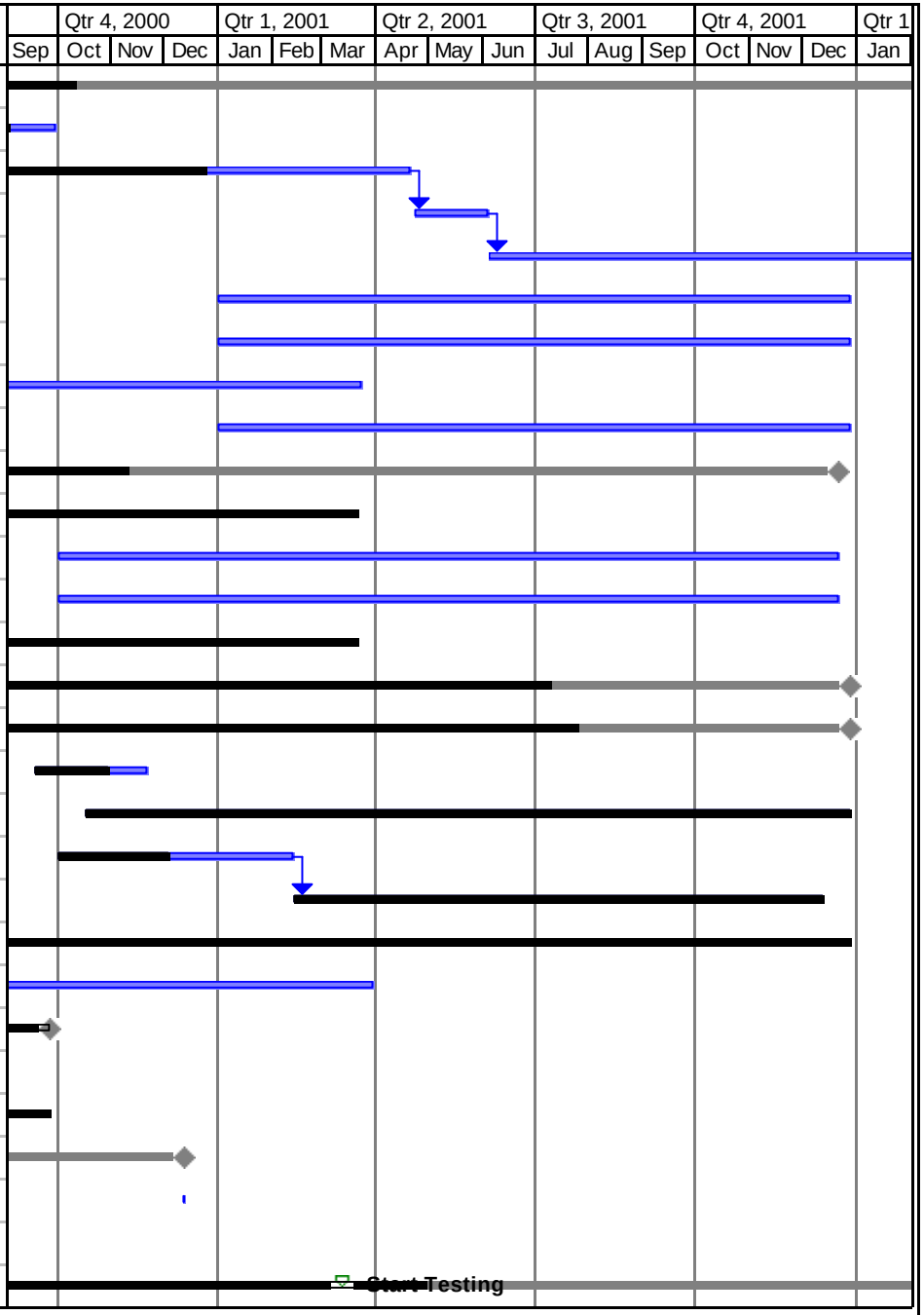
ID	Unique ID	Name	Release	Splitable	Resource Name	Level
67	**2103**	**Conformance Test Aspects - Low Chip Rate TD**		**No**	**WG T1**	
68	2216	Testing Physical Layer		No	WG T1	
69	2217	Testing Layer 2 and layer 3 protocol aspects		No	WG T1	
70	2218	Testing RF Radio Transmission and Reception		No	WG T1	
71	2219	Testing UE radio access capability		No	WG T1	
72	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**TSG**
73	656	**RRM optimization for Iur and Iub**	Rel4	No	WG RAN3	TSG
74	655	**Node B synchronisation for TDD**	Rel4	No	WG RAN1	TSG
75	624	**RAB support enhancement - no ROHC**	Rel5	No	WG RAN2	TSG
76	2206	**RAB support enhancement - ROHC part only**	Rel4	No	WG RAN2	TSG
77	1680	**Header compression removal/stripping in the**	Rel5	No	TSG RAN	
78	1686	**Unequal error protection in PS domain in the**	Rel5	No	TSG RAN	
79	2472	**Node B Synchronisation for 1.28 Mcps TDD**	Rel5	No	WG RAN1	TSG
80	1912	**Start Testing**		No	MLST	
81	**2102**	**Conformance Test Aspects - RAN Improvemen**		**No**	**WG T1**	
82	2220	Testing Smart antenna		No	WG T1	
83	2221	Testing Node B synchronisation for TDD		No	WG T1	
84	2222	Testing Radio access bearer support enhancments		No	WG T1	
85	2461	Testing RAB support enhancements-Robust Header Co		No	WG T1	
86	**1273**	**Provisioning of IP-based multimedia service**	**Rel5**	**No**	**WG SA1**	**TSG**
87	**1274**	**Call control and roaming to support IP-based**		**No**	**WG SA2**	**TSG**
88	1633	Stage 1		No	WG SA1	
89	1514	Stage 2 (Architecture and Main flows)		No	WG SA2	TSG
90	1277	FS on Impacts on HSS		No	WG CN4	
91	**2233**	SIP Call Control protocol for the IM CN Subsystem		**No**	**WG CN1**	**TSG**
92	1998	IP multimedia subsystem signalling flows		No	WG CN1	TSG
93	1278	IP multimedia subsystem stage 3		No	WG CN1	TSG
94	2255	IP Multimedia (IM) Session Handling; stage 2		No	WG CN1	TSG
95	1673	MLST: Stage 3 for basic calls		No	MLST	



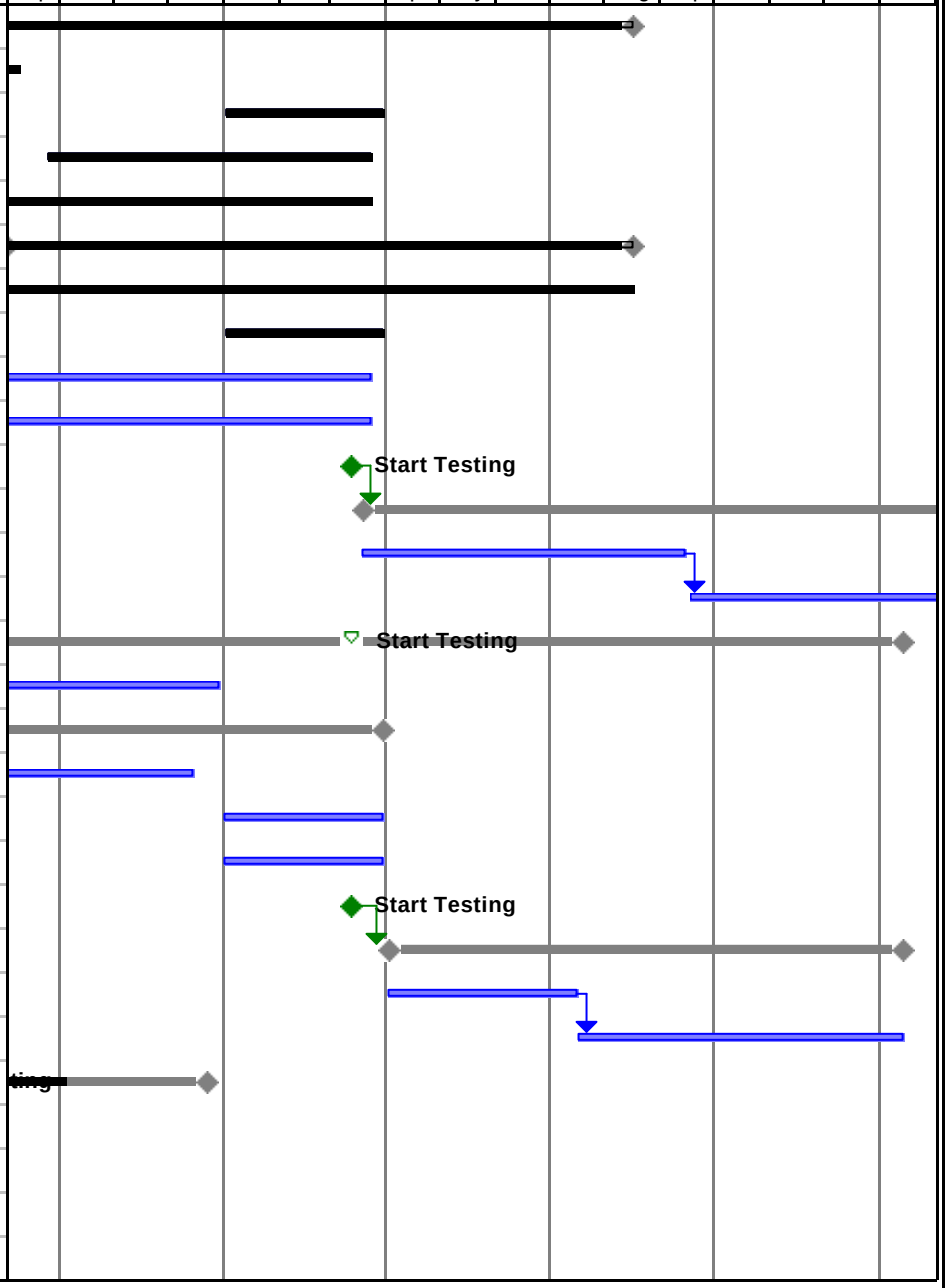
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
96	1280	SIP SS and relationship to Mg, Mw and Cx		No	WG CN4	
97	**1281**	Multimedia Capabilities		**No**	**WG CN1**	
98	1282	Terminal capabilities		No	WG CN1	
99	1806	Terminal capabilities and Interactions on running mu		No	WG T2	
100	1805	Network capabilities		No	WG CN1	
101	1285	Network capabilities (N4 aspects)		No	WG CN4	
102	**1286**	CSCF – HSS (Cx) applications and services (SCP)		**No**	**WG SA2**	
103	1515	Stage 2 flows		No	WG SA2	
104	2021	Stage 2 flows (N4) (see note)		No	WG CN4	
105	2023	Impacts from CAMEL		No	WG CN4	
106	1288	Impact on Camel Stage 3		No	WG CN2	
107	1289	Impact on MAP		No	WG CN4	
108	2024	Stage 3 protocol on Cx		No	WG CN4	
109	**1290**	Addressing, Identities		**No**	**WG SA2**	
110	1291	Architectural issues		No	WG SA2	
111	1292	Impact on HSS		No	WG CN4	
112	**1294**	Interworking with other multimedia protocols		**No**	**WG CN3**	
113	1295	Requirements		No	WG SA1	
114	1296	Impact on MM/CC/SM		No	WG CN1	
115	2047	Interworking between IM CN subsystem and CS ne		No	WG CN3	TSG
116	2048	Interworking between IM CN subsystem and IP net		No	WG CN3	WG
117	1913	**Start Testing**		No	MLST	
118	1844	**Conformance Test Aspects - Provisioning of IF**		No	WG T1	
119	1298	**Access Security for IP-based services**		No	WG SA3	TSG
120	1299	**Lawful interception**		No	WG SA3	TSG
121	1300	**RAN improvements and evolution of the beare**		No	TSG RAN	
122	1597	**(Copy) Ensure reliable QoS for PS domain and**		No	WG SA2	
123	1303	**(Copy) Charging and OAM&P**		No	WG SA5	
124	1598	**(Copy) AMR-WB**		No	WG SA4	



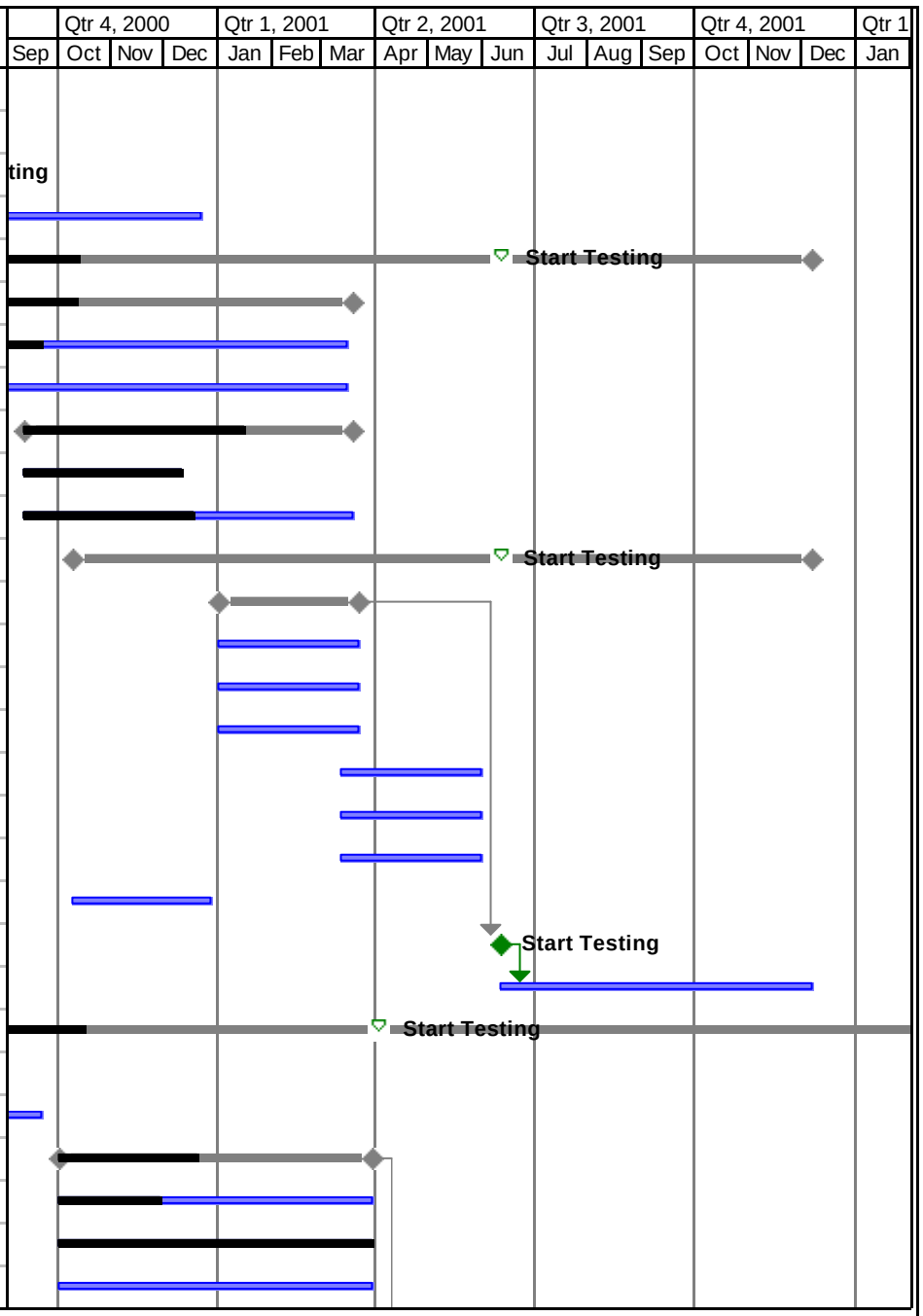
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
125	**1305**	**Roaming between IP multimedia and CS doma**		**No**	**WG CN4**	
126	1457	Roaming requirements		No	WG SA1	TSG
127	1306	Stage 2		No	WG SA2	TSG
128	1307	Stage 2 review		No	WG CN4	
129	1456	Internetwork roaming aspects		No	?	TSG
130	2227	MExE interactions		No	WG T2	
131	2228	MMS interactions		No	WG T2	WG
132	1310	**Support of VHE/OSA by Rel4 network entities a**		No	WG CN5	TSG
133	1732	**Number portability in IM subsystem**		No	WG CN4	
134	**2036**	**Multimedia codecs and protocols for conversa**		**No**	**WG SA4**	**TSG**
135	2039	Codecs		No	WG SA4	TSG
136	2040	performance characterisation of codec		No	WG SA4	TSG
137	2038	protocols		No	WG SA4	TSG
138	1539	**Transparent End-to-End PS mobile streamin**	Rel4	No	WG SA4	TSG
139	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**WG**
140	**1653**	**For IP & PS based calls**	**Rel5**	**No**	**WG CN1**	**TSG**
141	1314	Service Requirements for IP-based emergency calls		No	WG SA1	
142	1315	SIP emergency calls and packet emergency calls signa		No	WG CN1	
143	1316	Stage 2 for emergency calls and packet emergency call		No	WG SA2	
144	1317	Distinction of emergency call types to different emerge		No	WG CN1	
145	1646	Stage 3 for emergency calls and packet emergency call		No	WG CN1	
146	1605	(Copy2) Ensure reliable QoS for PS domain and IM subs		No	WG SA2	
147	**1654**	**For CS based calls**	**Rel4**	**No**	**WG CN1**	**TSG**
148	1320	Distinction in CS domain of emergency call types to diff		No	WG SA1	
149	1999	Distinction in CS domain of emergency calls to different		No	WG CN1	
150	**2224**	**Conformance Test Aspects - Emergency call e**		**No**	**WG T1**	
151	2225	Testing Stage 3 for emergency calls and packet emerge		No	WG T1	
152	2226	Testing CS based emergency calls		No	WG T1	
153	**1322**	**Enable bearer independent CS architecture**	**Rel4**	**No**	**WG SA2**	**TSG**



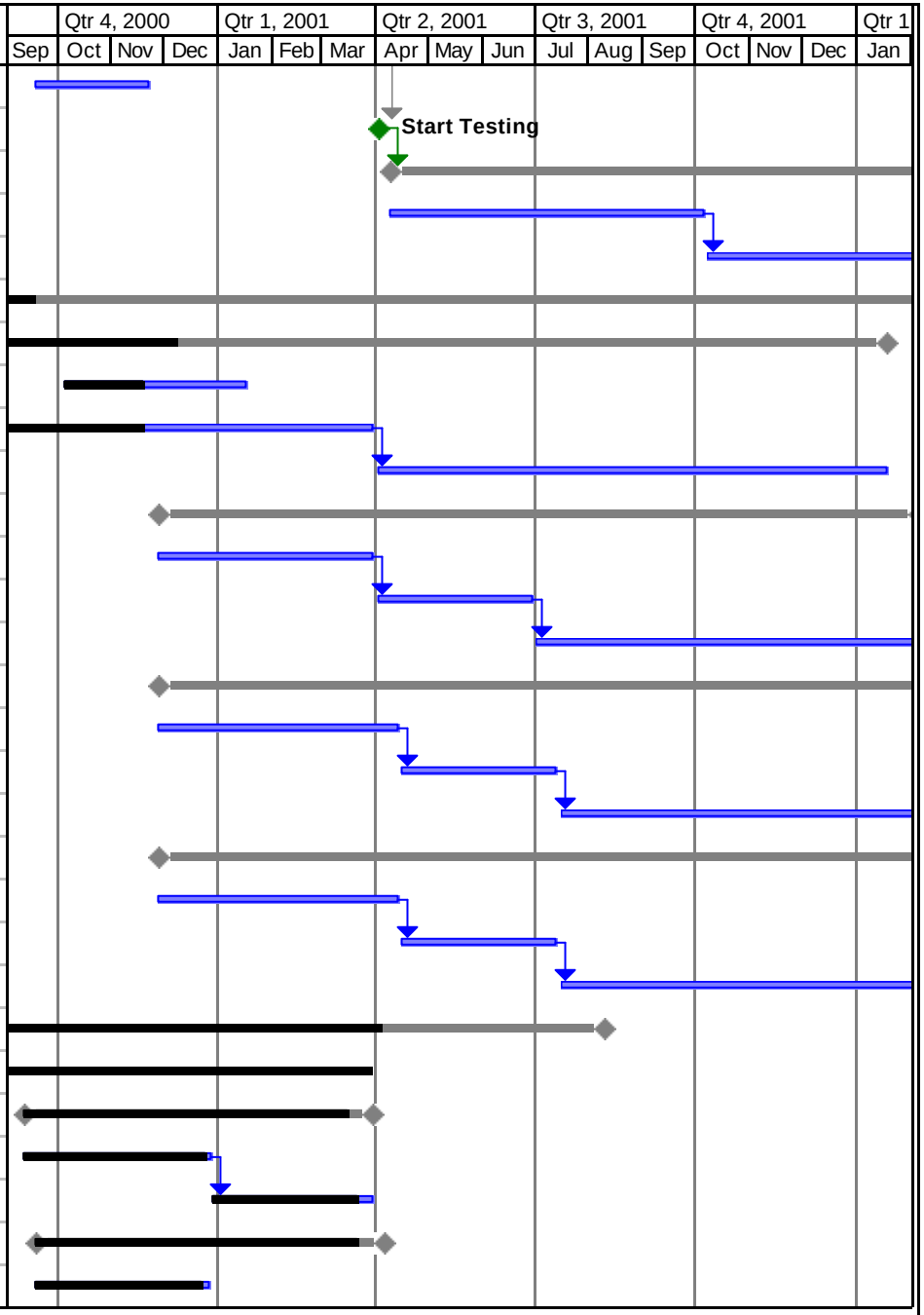
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
154	**1323**	**Enable bearer-independent call control**		**No**	**WG CN4**	**WG**
155	1516	Architecture and Stage 2 description on 23.002		No	WG SA2	
156	1325	Standardisation of protocols (control & user planes) ov		No	WG CN3	TSG
157	1326	Standardisation of protocols over reference points betv		No	WG CN4	TSG
158	1616	Standardisation of detailed stage 2 description		No	WG CN4	TSG
159	**1327**	Bearer control between MSC server and MGW		**No**	**WG CN4**	**TSG**
160	1328	stage 3 - protocol issues		No	WG CN4	TSG
161	1329	stage 3 - parameter value issues		No	WG CN3	
162	1331	**Lawful interception**		No	WG SA3	
163	1332	**Bearer Independence and codec control issue**		No	WG SA4	
164	1918	**Start Testing**		No	MLST	
165	**2052**	**Conformance Test Aspects - Enable bearer inc**		**No**	**WG T1**	
166	1847	UE Conformance test spec., Bearer independent CS, Pr		No	WG T1	
167	1848	UE Conformance test spec., Bearer independent CS, TT		No	WG T1	
168	**1333**	**TO BE DELETED: CS multimedia services**	**Rel4**	**No**	**WG SA2**	
169	1338	**Stage 1**		No	WG SA1	
170	**1655**	**Circuit-switched multimedia swap and fallbac**		**No**	**WG CN3**	
171	1335	Call control and signalling aspects		No	WG CN1	
172	1336	Transport aspects		No	WG CN3	
173	1337	inband signalling		No	WG CN3	
174	1920	**Start Testing**		No	MLST	
175	**2056**	**Conformance Test Aspects - CS multimedia se**		**No**	**WG T1**	
176	1849	UE Conformance test spec. CS multimedia services, Prc		No	WG T1	
177	1850	UE Conformance test spec. CS multimedia services, TTC		No	WG T1	
178	**1340**	**Facsimile**	**Rel4**	**No**	**WG SA1**	**TSG**
179	**1341**	**Real Time Fax**		**No**	**WG SA2**	
180	1808	Terminal capabilities, AT commands		No	WG T2	
181	1343	Signalling aspects (e.g. ICM)		No	WG CN1	
182	1648	Service provision		No	WG CN3	



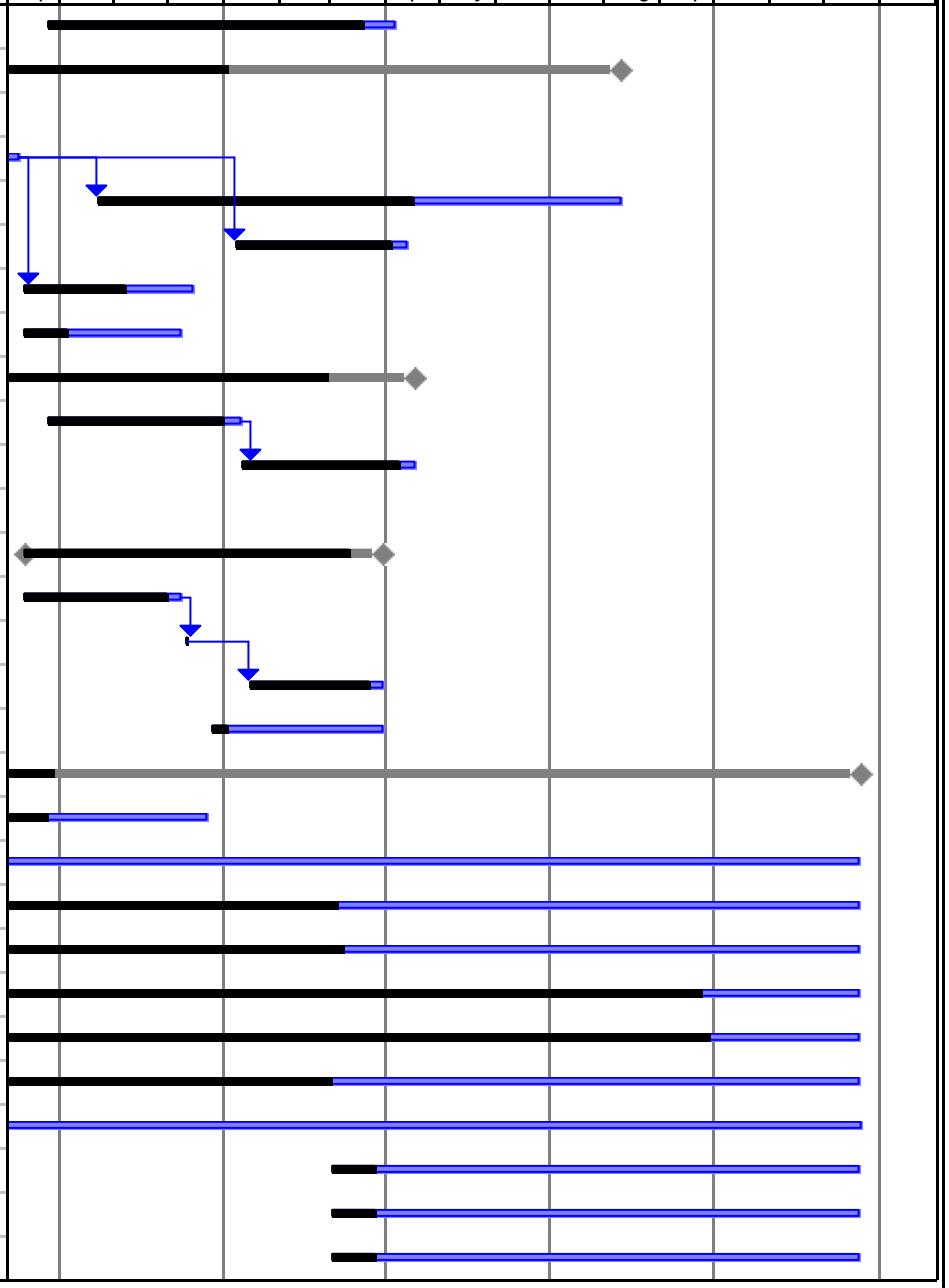
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
183	1345	Review whether service/stage 1 aspects need to be ali		No	WG SA1	
184	1346	Review whether architecture/stage 2 aspects need to b		No	WG SA2	
185	2041	**Start Testing**		No	MLST	
186	1851	**Conformance Test Aspects - Facsimile**		No	WG T1	
187	**1517**	**Global Text Telephony**	**NA**	**Yes**	**WG SA2**	**TSG**
188	**2240**	**Minimum solution**	**Rel4**	**No**		
189	1634	Stage 1		No	WG SA1	TSG
190	1519	Stage 2		No	WG SA2	TSG
191	**2234**	Specification of Cellular Text telephone Modem		**No**	**WG SA4**	
192	2238	General description and C-code		No	WG SA4	
193	2237	Minimum Performance requirements		No	WG SA4	
194	**2239**	**Improvements of GTT**	**Rel5**	**No**		
195	**1350**	Activation and transport		**No**	**WG SA2**	
196	1520	SIP and H.324 Activation and transport		No	WG SA2	
197	1521	Data Channel Activation and transport		No	WG SA2	
198	1523	Selection of transport method		No	WG SA2	
199	1524	Interworking		No	WG CN3	
200	1809	Terminal Aspects		No	WG T2	TSG
201	1357	USIM Aspects		No	WG T3	
202	2096	GTT using CS multimedia telephony		No	WG SA4	
203	1915	Start Testing		No	MLST	
204	1852	Conformance Test Aspects - Global Text telephony		No	WG T1	
205	**1526**	**TO BE DELETED: Bearer Modification witho**	**Rel4**	**No**	**WG SA1**	**TSG**
206	2223	**Testing Support of Bearer modification withou**		No	WG T1	
207	1635	**Stage 1**		No	WG SA1	
208	**1359**	**Service Modification without pre-notification**		**No**	**WG CN3**	**TSG**
209	1361	Interworking function, TAF		No	WG CN3	
210	1362	Out of band Transcoder Control		No	WG CN4	
211	1363	AT commands		No	WG T2	



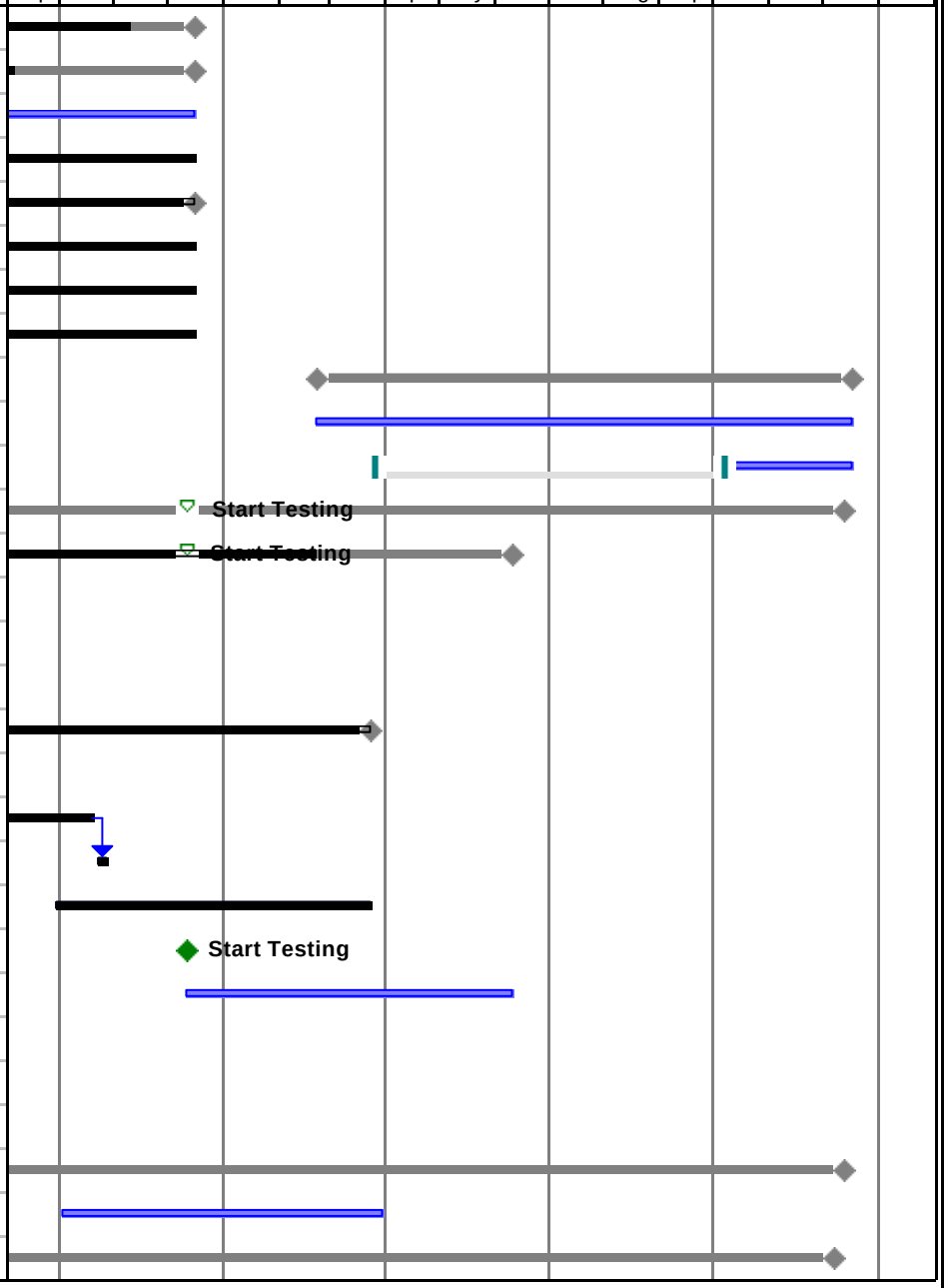
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
212	1364	**deleted at SA#11: Bearer Modification becaus**		No	WG SA2	
213	1921	**Start Testing**		No	MLST	
214	**2057**	**Conformance Test Aspects**		**No**	**WG T1**	
215	1853	UE Conformance test spec. Bearer modification, Protoc		No	WG T1	
216	1857	UE Conformance test spec. Bearer modification, TTCN		No	WG T1	
217	**1367**	**VHE enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**
218	1368	**Detailed definition of the VHE user profile**	Rel5	No	WG SA2	WG
219	1373	Stage 1		No	WG SA1	WG
220	1404	Stage 2		No	WG SA2	WG
221	2123	Enhanced UserProfileManagement		No	WG CN5	TSG
222	2104	**Extensions to existing (and possibly new) tool**	Rel5	Yes	WG SA2	WG
223	2105	Stage 1		No	WG SA1	WG
224	2106	Stage 2		No	WG SA2	WG
225	2107	Stage 3 (wait for stage 2)		No		WG
226	2108	**Interaction between toolkits to enable IP mult**	Rel5	Yes	WG SA2	WG
227	2109	Stage 1		No	WG SA1	WG
228	2110	Stage 2		No	WG SA2	WG
229	2111	Stage 3 (wait for stage 2)		No		WG
230	2112	**Transparent roaming for services**	Rel5	Yes	WG SA2	WG
231	2113	Stage 1		No	WG SA1	WG
232	2114	Stage 2		No	WG SA2	WG
233	2115	Stage 3 (wait for stage 2)		No		WG
234	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**
235	2120	**General Stage 2**		No	WG SA2	TSG
236	1424	**Interactions OSA - e-commerce**	Rel4	No	WG SA2	TSG
237	1425	Stage 1		No	WG SA1	TSG
238	1529	Stages 2 and 3		No	WG CN5	TSG
239	1429	**OSA APIs for MuMa CC**	Rel5	No	WG SA2	TSG
240	1430	Stage 1		No	WG SA1	TSG



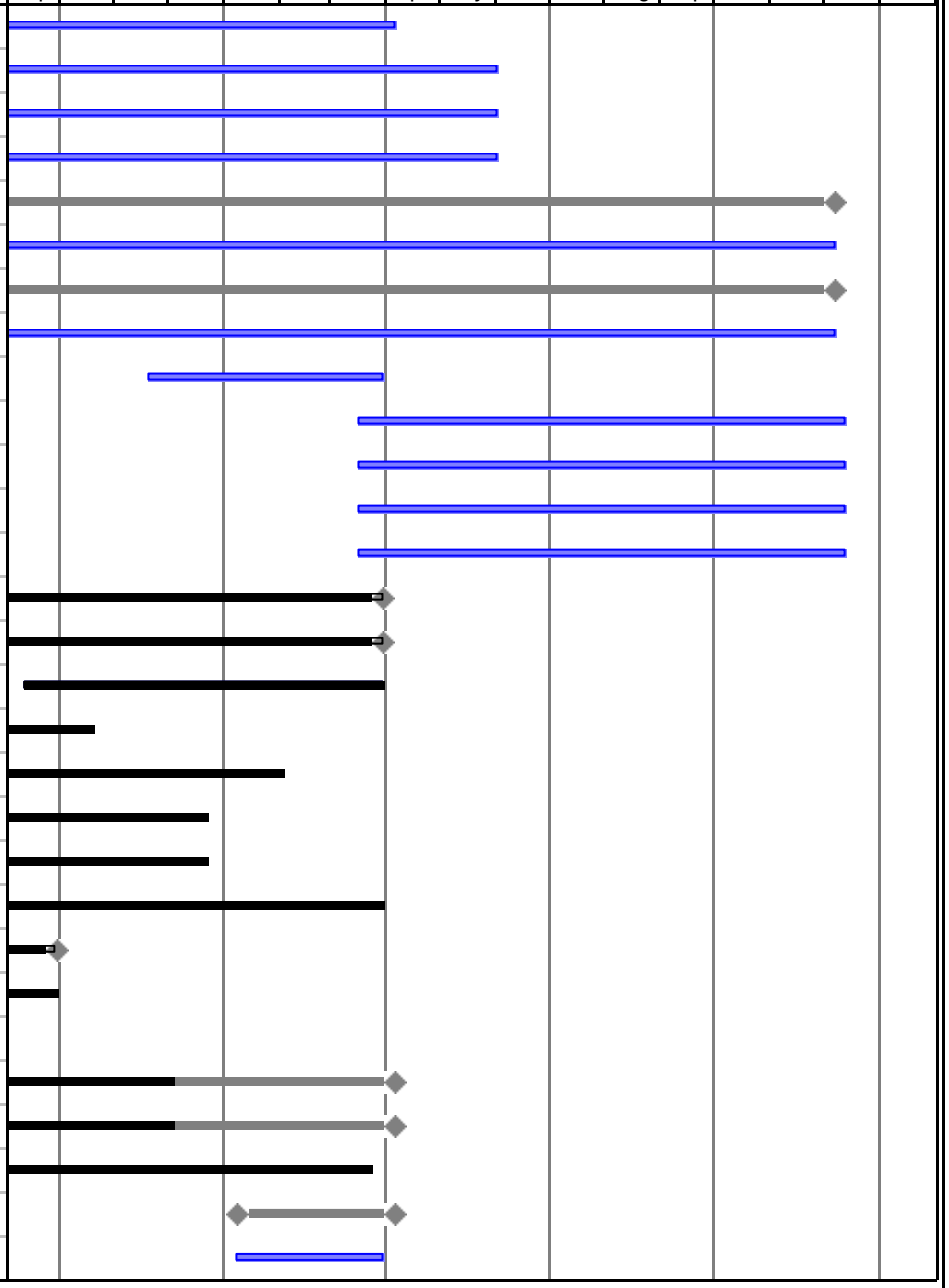
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
241	1530	Stages 2 and 3		No	WG CN5	TSG
242	1419	**OSA security**	Rel5	No	WG SA3	TSG
243	2121	Stage 1		No	WG SA1	TSG
244	1420	Stage 2		No	WG SA2	TSG
245	1421	Stage 3		No	WG SA3	TSG
246	1422	security related SCF(s) definition		No	WG CN5	TSG
247	1423	(possibly) changes required from supporting platforms, e		No	WG SA3	TSG
248	1621	impact on terminal		No	WG T2	TSG
249	1433	**Retrieval of Terminal capabilities**	Rel5	No	WG SA2	TSG
250	1434	Stage 1		No	WG SA1	TSG
251	1436	Stages 2 and 3		No	WG CN5	TSG
252	2122	Provisionning of the terminal capabilities		No	WG T2	TSG
253	1786	**LCS - OSA interfaces (!)**		No	WG SA1	TSG
254	1787	Stage 1		No	WG SA1	TSG
255	2124	Stage 2		No	WG SA2	TSG
256	1788	Stage 3		No	WG CN5	TSG
257	2116	**(copy) Charging and OAM&P (!)**		No	WG SA5	TSG
258	**1638**	**CAMEL phase 4**	**Rel5**	**No**	**WG SA1**	
259	1461	**Service requirements**		No	WG SA1	
260	2011	**Charging notification to the CSE**		No	WG CN2	
261	2012	**Call Party Handling**		No	WG CN2	
262	2013	**Mid call procedure for MO and MT calls**		No	WG CN2	
263	2014	**Interactions with Optimal Routing**		No	WG CN2	
264	2015	**Inclusion of flexible tone injection**		No	WG CN2	
265	2016	**CSE control over MT SMS**		No	WG CN2	
266	2017	**CAMEL applicability to media streams like Vo**		No	WG CN2	
267	2460	**Notification of GPRS mobility management to**		No	WG CN2	
268	2459	**Enhancement of dialled services**		No	WG CN2	
269	2458	**Provision of location information of called sub**		No	WG CN2	



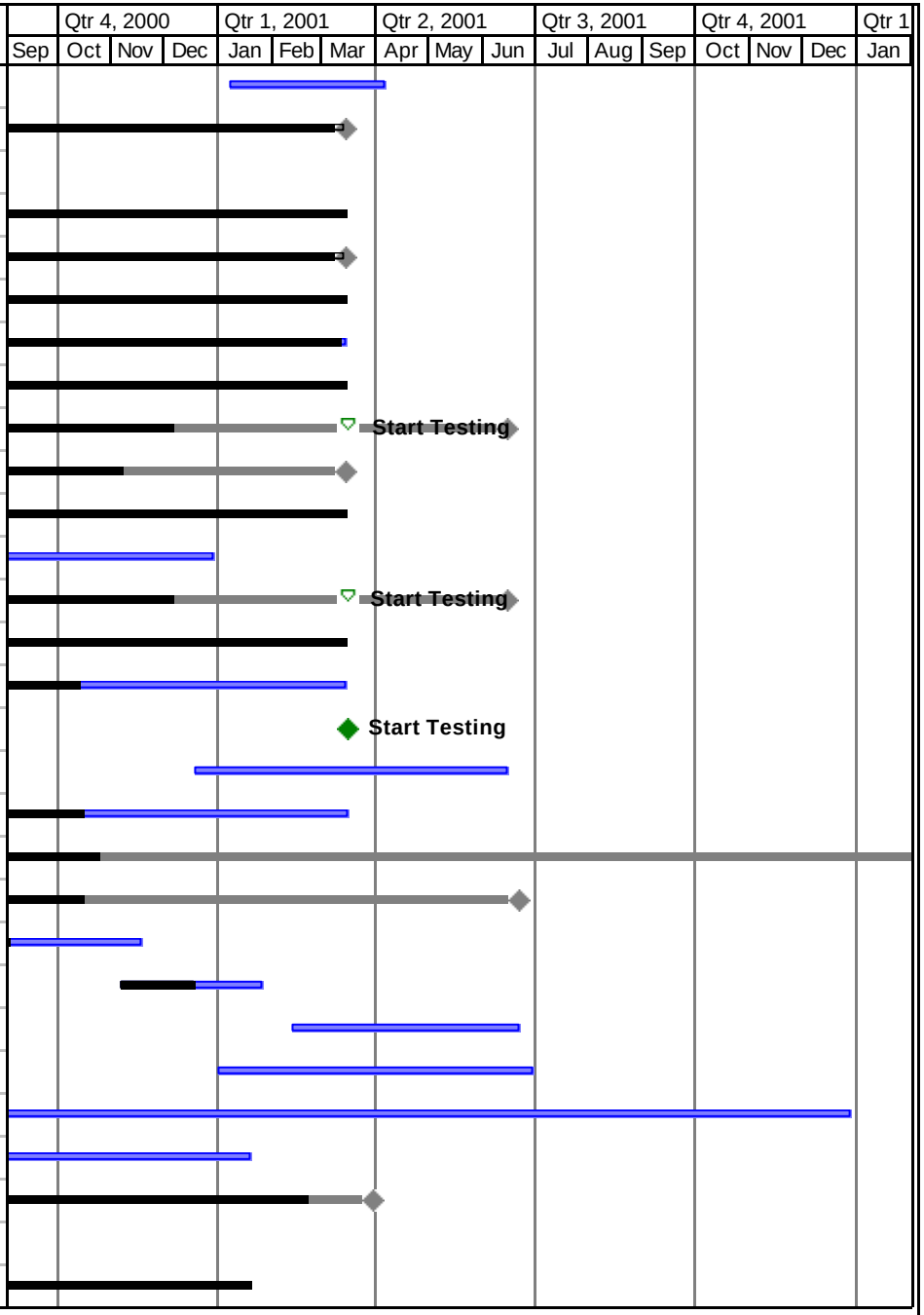
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
270	**1445**	**MExE enhancements Rel-4**	**NA**	**No**	**WG T2**	**TSG**
271	**1447**	**MExE Security**	**Rel4**	**No**	**WG SA3**	**TSG**
272	2045	Stage 3		No	WG SA3	
273	1448	Terminal aspects		No	WG T2	
274	**1810**	**MExE Rel4 Improvements and Investigations**	**Rel4**	**No**	**WG T2**	**TSG**
275	1812	3rd MExE classmark		No	WG T2	TSG
276	1814	FS on Secure download mechanism and capabilities to		No	WG T2	TSG
277	1815	FS on Support of MP3/MPEG4 content		No	WG T2	TSG
278	**2464**	**MExE enhancements Rel-5**	**NA**	**No**	**WG T2**	**TSG**
279	2465	**MExE Rel-5 Security Analysis**	Rel5	No	WG T2	TSG
280	2466	**MExE Rel-5 Improvements and Investigations**	Rel5	No	WG T2	TSG
281	**1625**	**Wideband Telephony Service - AMR (Maste**	**Rel4**	**No**	**WG SA4**	**TSG**
282	**62**	**Specification**		**No**	**WG SA4**	
283	1459	Design Constraints		No	WG SA4	
284	1460	General Description		No	WG SA4	
285	1626	Feasibility Study		No	WG SA4	TSG
286	**67**	Codec issues		**No**	**WG SA4**	
287	1627	Codec qualification		No	WG SA4	TSG
288	74	Codec selection tests		No	WG SA4	
289	891	Codec selection		No	WG SA4	
290	890	Other codec issues (verif., caracterisation)		No	WG SA4	
291	1989	Start Testing		No	MLST	
292	1855	Conformance tests (CRs to 34 series)		No	WG T1	
293	**76**	Terminal Acoustic Characteristics		**No**	**WG SA4**	
294	1628	Definition		No	WG SA4	TSG
295	1629	Test specification		No	WG SA4	TSG
296	**889**	**Implementation**		**No**	**WG SA4**	
297	893	In UTRAN		No	TSG RAN	
298	**80**	Support of AMR-WB in GERAN		**No**	**TSG GERAN**	**TSG**



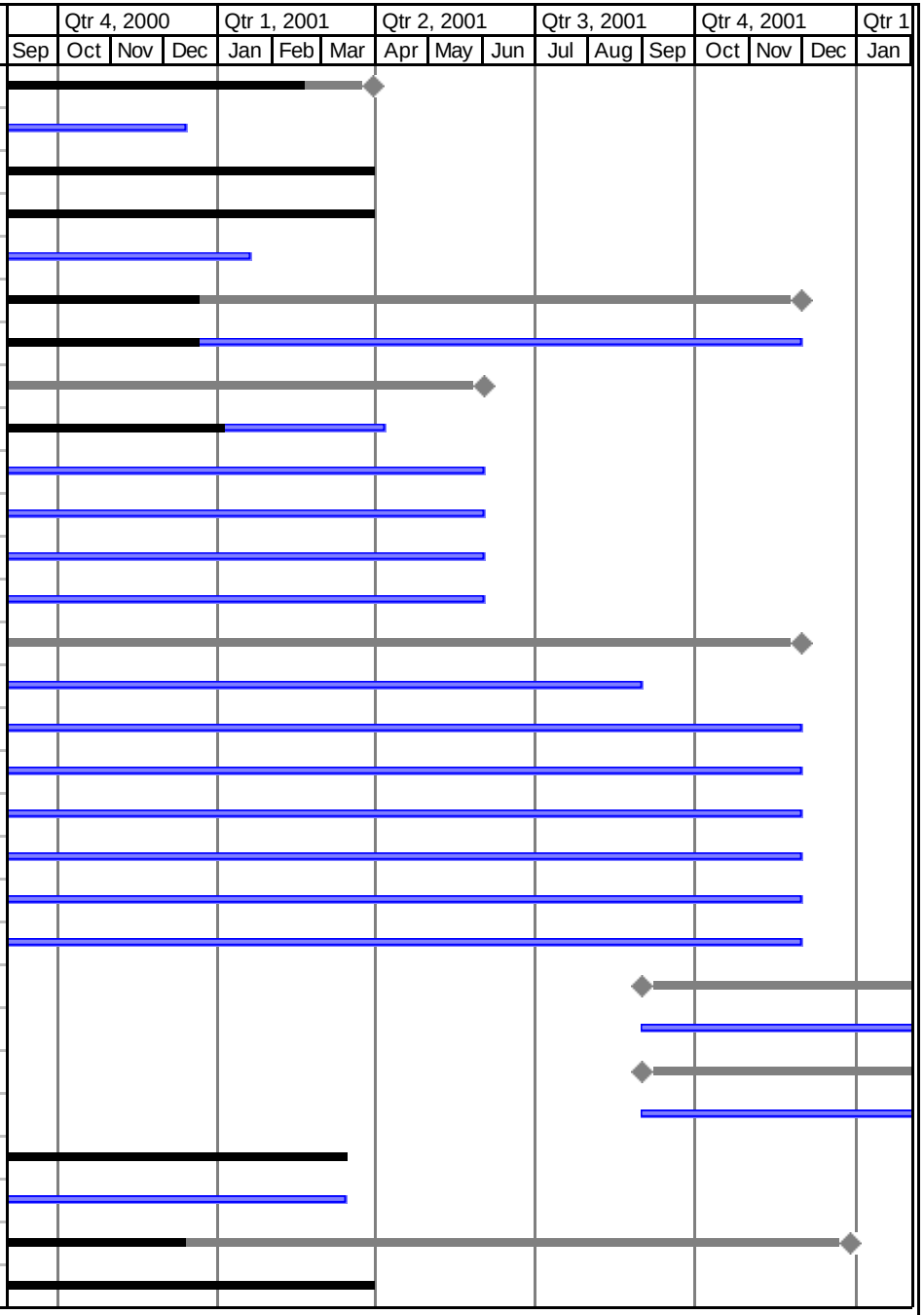
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
299	2265	GMSK and 8PSK WB FR / HR support - Channel co		No	TSG GERAN	TSG
300	2266	GMSK and 8PSK WB FR / HR support - Signalling		No	TSG GERAN	TSG
301	2267	GMSK and 8PSK WB FR / HR support - Signalling fc		No	TSG GERAN	TSG
302	2268	GMSK and 8PSK WB FR / HR support - Link adapta		No	TSG GERAN	TSG
303	**2269**	GERAN MS conformance test for AMR-WB		**No**	**TSG GERAN**	**TSG**
304	2270	MS test		No	TSG GERAN	TSG
305	**2271**	GERAN BTS conformance test for AMR-WB		**No**	**TSG GERAN**	**TSG**
306	2272	BTS test		No	TSG GERAN	TSG
307	1656	In CN, see notes		No	WG CN1	
308	2483	RL Timing Adjustment	Rel5	No	WG RAN3	TSG
309	2484	Separation of resource reservation and radio link activa	Rel5	No	WG RAN3	TSG
310	2485	**Improvement of Radio Resource Management**	Rel5	No	WG RAN3	TSG
311	2486	**Traffic Termination Point Swapping**	Rel5	No	WG RAN3	TSG
312	**1541**	**Transcoder-Free Operation**	**Rel4**	**No**	**WG CN4**	
313	**112**	**OoBTC solution**		**No**	**WG CN4**	**WG**
314	1512	implementation in UTRAN	Rel4	No	WG RAN3	TSG
315	896	Impact on architecture, Principles and Terminology		No	WG SA2	
316	1657	Codec Negotiation between UE and MSC		No	WG CN1	TSG
317	115	Codec Negotiation inter MSC		No	WG CN4	
318	894	Bearer establishment inter MSC		No	WG CN4	TSG
319	1617	Prevention of user fraud		No	WG SA3	
320	**905**	**Speech Transcoder: Location and Control at t**		**No**	**WG SA2**	**WG**
321	124	Transcoder at Edge		No	TSG CN	
322	2205	IWF at the Edge (CN border)		No	WG CN3	
323	**1631**	**Tandem Free aspects for 3G and between 2C**	**Rel4**	**No**	**WG SA4**	
324	**1632**	**Tandem Free AMR**		**No**	**WG SA4**	
325	130	Specification		No	WG SA4	
326	**907**	Implementation		**No**	**TSG CN**	
327	131	in CN		No	TSG CN	



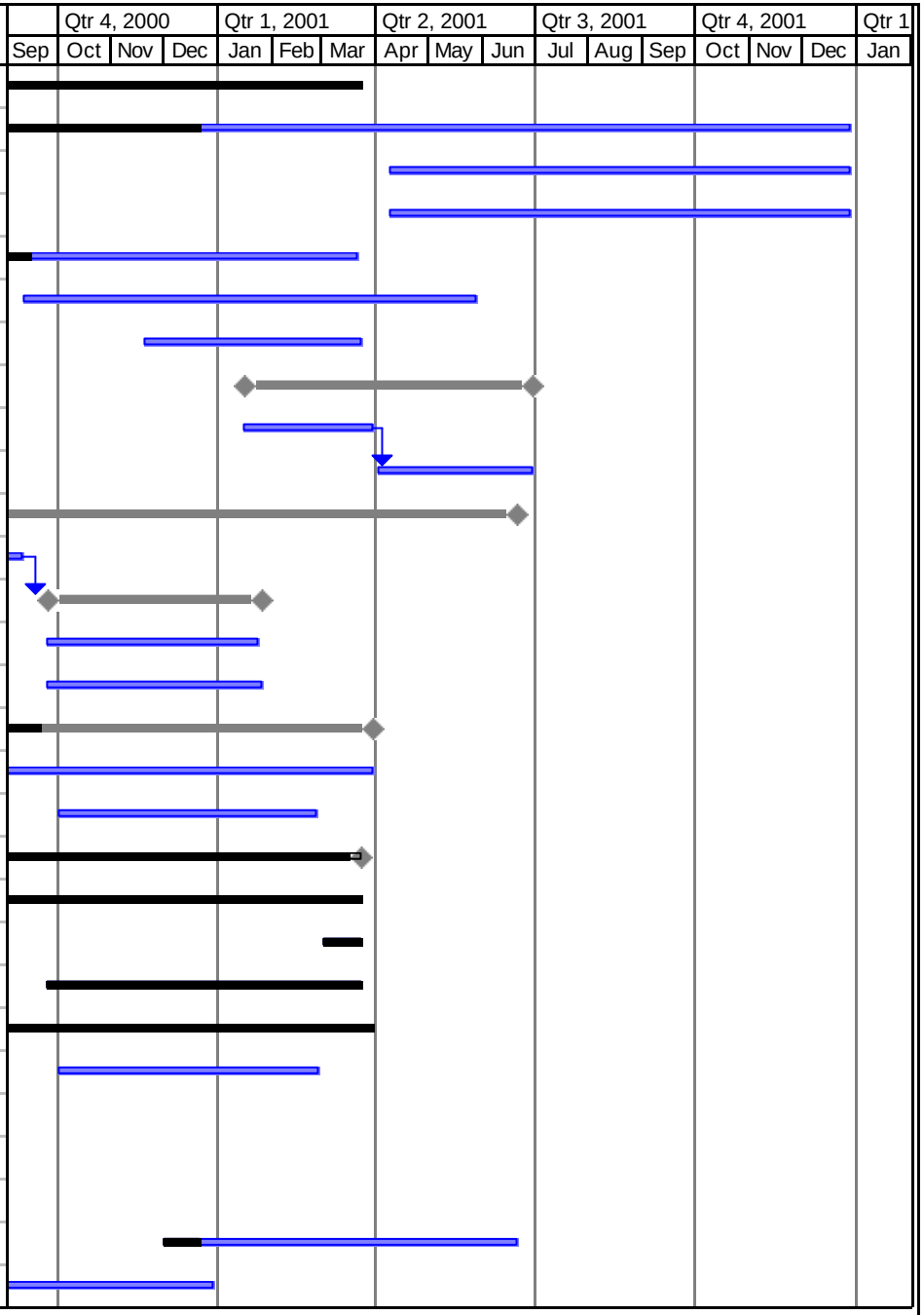
ID	Unique ID	Name	Release	Splitable	Resource Name	Level
328	132	in GERAN		No	TSG GERAN	
329	**1818**	**Multimedia Messaging**	**Rel4**	**No**	**WG T2**	**TSG**
330	136	**Definition of service requirements**		No	WG SA1	
331	1819	**Review of definition of service requirements**		No	WG T2	TSG
332	**1820**	**Technical Realisation**		**No**	**WG T2**	**TSG**
333	1821	Review of definition of reference Achitecture model		No	WG T2	TSG
334	1822	"Fulfill Requirements of Stage 1"		No	WG T2	TSG
335	1823	Definition of MMS primitives in Stage 2		No	WG T2	TSG
336	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	
337	**1827**	**AT commands enhancements**	**Rel4**	**No**	**WG T2**	
338	1828	Specification of AT commands for new services		No	WG T2	
339	1858	UE Conformance test spec. AT command		No	WG T1	
340	**1829**	**Wide Area Data Synchronisation**	**Rel4**	**No**	**WG T2**	
341	1830	Continues evolution of Synchronisation protocol	Rel4	No	WG T2	
342	1831	vObjects and Other Constructs for Use in Data Synchrc	Rel5	No	WG T2	TSG
343	2251	Start Testing		No	MLST	
344	1860	UE Conformance test spec. Wide area data sync		No	WG T1	
345	1832	**Terminal local model**	Rel4	No	WG T2	TSG
346	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**TSG**
347	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**WG SA1**	
348	1641	Stage 1		No	WG SA1	
349	1538	Stage 2 specification		No	WG SA2	
350	1179	Impact on MAP		No	WG CN4	
351	519	**(copy) Charging and OAM&P (!)**		No	WG SA5	TSG
352	521	**New security aspects of LCS (not identified)**		No	WG SA3	
353	523	**LCS support in the CS domain**	Rel4	No	WG SA2	
354	**525**	**LCS support in the PS domain**	**Rel4**	**No**	**WG SA2**	
355	1642	Stage 1		No	WG SA1	
356	1181	Stage 2		No	WG SA2	



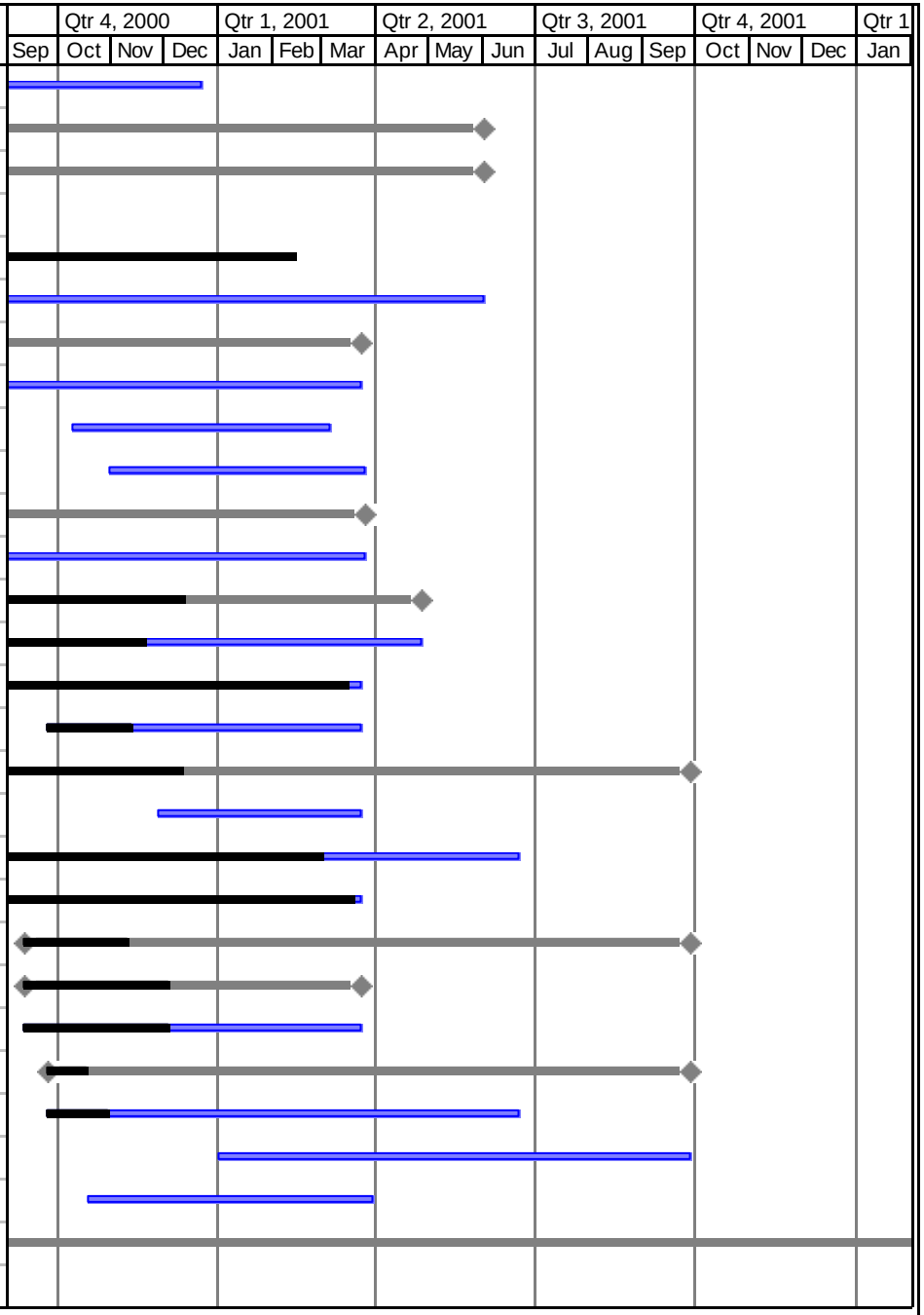
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
357	**1180**	Stage 3		**No**	**WG CN1**	
358	526	Layer 3 LCS signaling UE (MS) -SGSN (UMTS PS a		No	WG CN1	
359	2462	MAP impacts of LCS		No	WG CN4	
360	527	GTP signaling for LCS		No	WG CN4	
361	544	**LCS interoperation stage 2 aspects**		No	WG SA2	
362	**2434**	**LCS interoperation stage 2 aspects to GERAN**		**No**	**TSG GERAN**	**TSG**
363	2435	Co-ordinated development of GSM LCS Phase 2and UM		No	TSG GERAN	TSG
364	**2436**	**Location Services for GERAN in A/Gb Mode**		**No**	**TSG GERAN**	**TSG**
365	2437	GERAN LCS Stage 2 (first release)		No	TSG GERAN	TSG
366	2438	Gb interface support for LCS		No	TSG GERAN	TSG
367	2439	RLC/MAC protocol support for LCS		No	TSG GERAN	TSG
368	2440	L3 protocol support for LCS		No	TSG GERAN	TSG
369	2441	Stage 3 specifications		No	TSG GERAN	TSG
370	**2442**	**Location Services for GERAN in Iu Mode**		**No**	**TSG GERAN**	**TSG**
371	2443	GERAN LCS Stage 2 (second release)		No	TSG GERAN	TSG
372	2444	Iu-ps interface support for LCS		No	TSG GERAN	TSG
373	2445	Iu-cs interface support for LCS		No	TSG GERAN	TSG
374	2446	Iur-g interface support for LCS		No	TSG GERAN	TSG
375	2447	RRC protocol support for LCS		No	TSG GERAN	TSG
376	2448	Additional impacts on Broadcast of LCS data on packet		No	TSG GERAN	TSG
377	2449	Stage 3 specifications		No	TSG GERAN	TSG
378	**2450**	**GERAN MS Conformance test for LCS**		**No**	***N*G GERAN4**	**TSG**
379	2451	MS test		No	*N*G GERAN4	TSG
380	**2452**	**GERAN BTS Conformance test for LCS**		**No**	***N*G GERAN3**	**TSG**
381	2453	BTS test		No	*N*G GERAN3	TSG
382	2229	**CBS interactions**	Rel4	No	WG T2	
383	1916	**MExE interactions**	Rel4	No	WG T2	
384	**1600**	**UE positioning**	**Rel5**	**No**	**TSG RAN**	**TSG**
385	1601	Iub/Iur interfaces for methods Rel 99	Rel4	No	WG RAN3	TSG



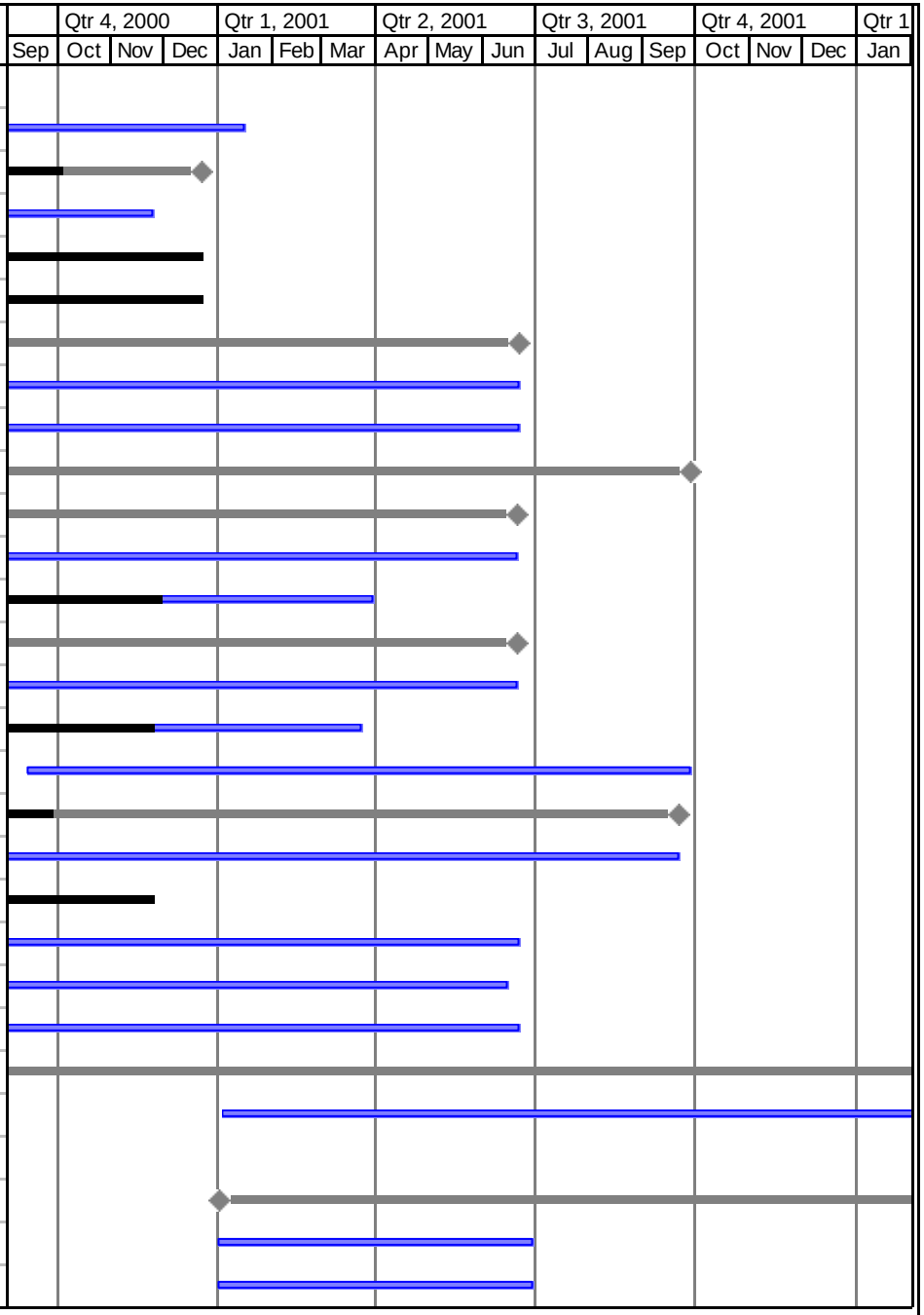
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
386	1602	UE positioning enhancements - IPDL for TDD	Rel4	No	WG RAN2	TSG
387	2457	UE positioning enhancements - other methods	Rel5	No	WG RAN2	TSG
388	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	WG RAN2	TSG
389	2475	Open SMLC-SRNC Interface within the UTRAN to suppo	Rel5	No	WG RAN2	TSG
390	1603	(Copy) UTRA repeater specification		No	WG RAN4	TSG
391	1796	**(Copy) LCS application interfaces (LCS-OSA)**		No	WG SA1	
392	1183	**FS on LCS support in the IM CN subsystem**		No	WG SA1	
393	**2125**	**Open SMLC-SRNC Interface within the UTRAN**	**Rel5**	**No**	**WG RAN2**	**TSG**
394	2127	Stage 2		No	WG SA2	WG
395	2126	Stage 3		No		
396	**1542**	**Ensure reliable QoS for PS domain**	**Rel4**	**No**	**WG SA2**	
397	1543	**stage 2 for End-to-end QoS (re)negotiation an**		No	WG SA2	
398	**1658**	**stage 3 for End-to-end QoS (re)negotiation an**		**No**	**WG CN1**	
399	1545	GMM and SM aspects		No	WG CN1	
400	1546	GTP aspects		No	WG CN4	
401	**1547**	**Mapping of end to end QoS parameters on ea**		**No**	**WG SA2**	
402	1548	Impacts on N4 documents		No	WG CN4	
403	1549	Impacts on N3 documents		No	WG CN3	
404	**1681**	RAB Quality of Service (re)Negotiation over Iu		**No**	**WG RAN3**	**TSG**
405	1991	RAB Quality of Service Negotiation over Iu		No	WG RAN3	TSG
406	2456	RAB Quality of Service Negotiation over Iu during r		No	WG RAN3	
407	1992	RAB Quality of Service Re-Negotiation over Iu		No	WG RAN3	TSG
408	1685	**PS-domain handover for real-time services**		No	WG RAN3	TSG
409	1550	**Interactions between external mechanisms an**		No	WG CN3	
410	1551	**Possible new code points in QoS IE from exte**		No	WG CN1	
411	1659	**Possible new code points in QoS IE for UMTS**		No	WG CN1	
412	1660	**Mapping between the QoS UMTS point codes**		No	WG CN1	
413	1552	**(Copy) Charging Management**		No	WG SA5	TSG
414	1624	**Security aspects**		No	WG SA3	



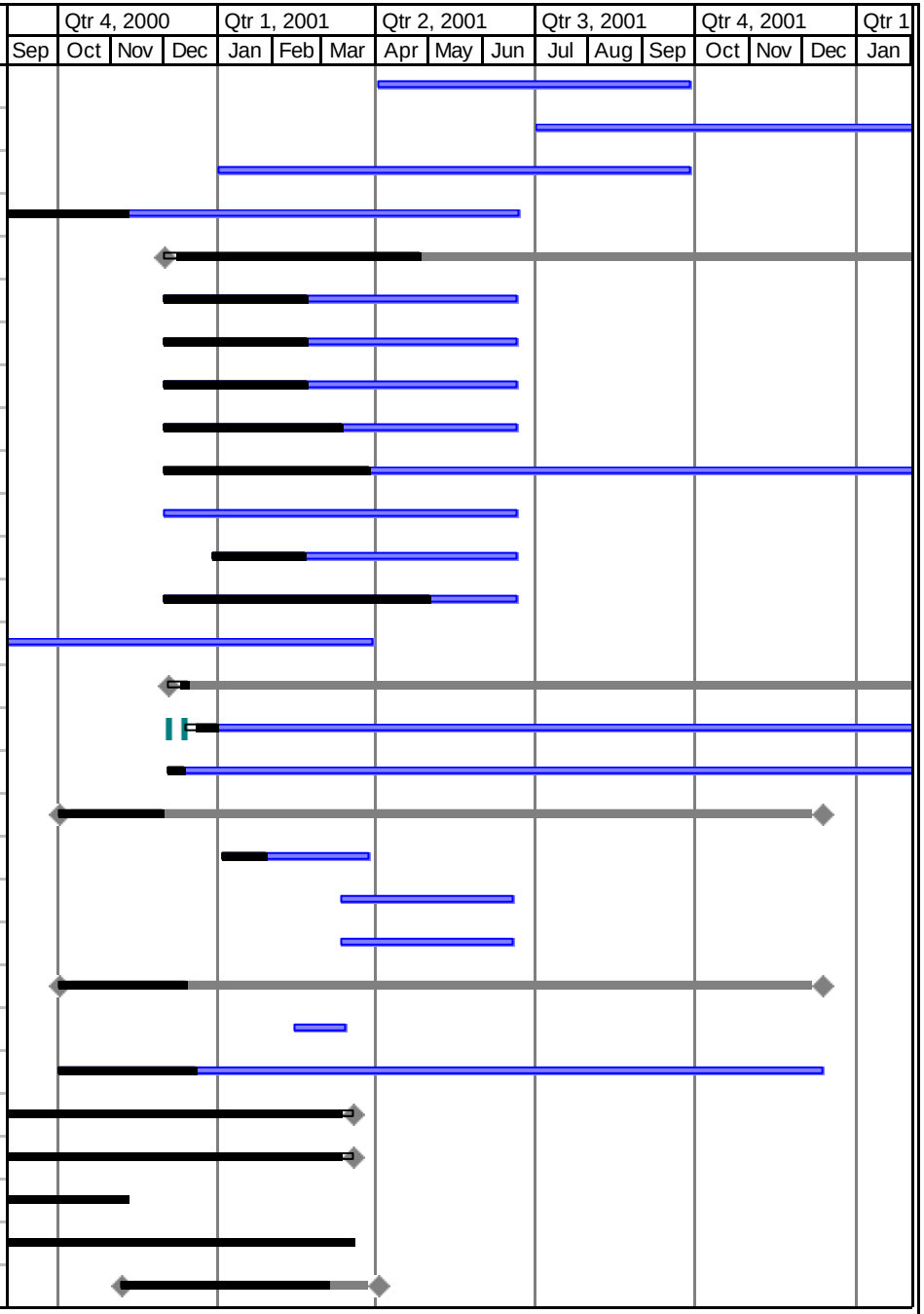
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
415	1619	**Application aspects, multi-mode aspects**		No	WG T2	WG
416	**1553**	**GERAN QoS Aspects - Handovers: maintenan**		**No**	**TSG GERAN**	
417	**2306**	Handover for the PS domain		**No**	**TSG GERAN**	
418	2309	Stable RT handover report 25.936 including header		No	TSG GERAN	
419	2307	Update of stage 2		No	TSG GERAN	
420	2308	Update of relevant stage 3 specs		No	TSG GERAN	
421	**1554**	**Evolution of maximum SDU size**		**No**	**WG SA2**	
422	1555	Impacts on CN protocols (e.g., GTP, MAP)		No	WG CN4	
423	1556	Impact on interworking over GTP e.g. PPP		No	WG CN3	
424	1611	**Admission control function triggers**	NA	No	WG RAN3	
425	**1557**	**DEL?: QoS for CS services at HOs (inter-MS**	**Rel4**	**No**	**WG SA2**	
426	1559	**GERAN aspects**		No	TSG GERAN	
427	**1560**	**UICC/(U)SIM enhancements and interworkin**	**NA**	**Yes**	**WG T3**	
428	1798	**FS on UICC/ME Performance Enhancements**		No	WG T3	TSG
429	1799	**Common PCN Handset Specification (CPHS)**	Rel4	No	WG T3	TSG
430	1564	**report on SIM/USIM Interworking**		No	WG T3	TSG
431	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	
432	1566	**Enhancements to (U)SIM toolkit secure messa**	Rel4	No	WG T3	TSG
433	1801	**Protocol Standardisation of a SIM Toolkit Inte**	Rel4	No	WG T3	TSG
434	2034	**USAT local link**	Rel4	No	WG T3	TSG
435	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	
436	**2029**	Java API	**Rel4**	**No**	**WG T3**	
437	1803	Test specification		No	WG T3	TSG
438	**2031**	Multos API	**Rel5**	**No**	**WG T3**	**TSG**
439	2032	Specification		No	WG T3	TSG
440	2033	Test specification		No	WG T3	TSG
441	2100	**USIM Toolkit security**		No	WG SA3	TSG
442	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**TSG**
443	**2099**	**UE triggered authentication during connectior**	**Rel4**	**No**	**WG SA3**	**TSG**



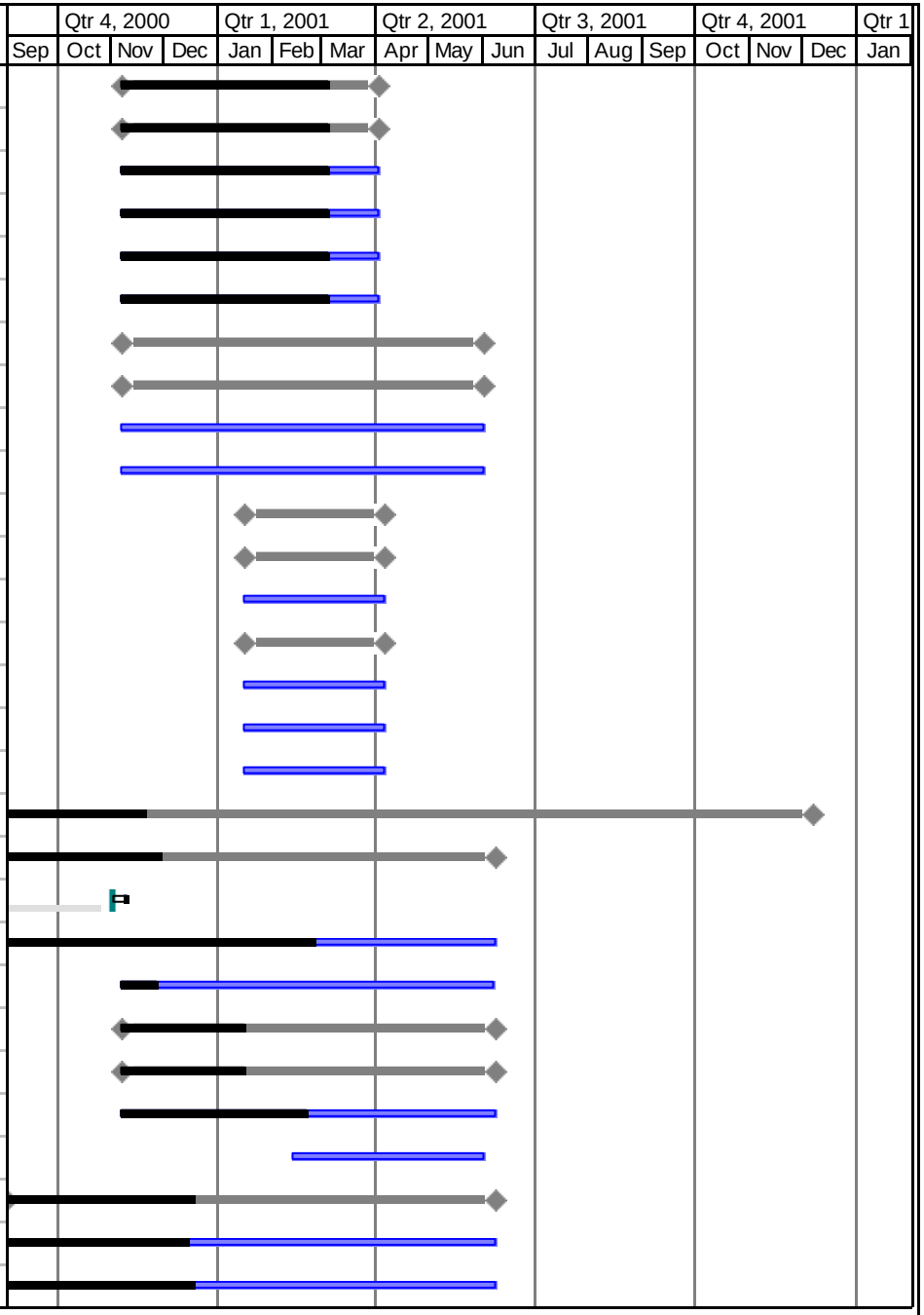
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
444	2254	Stage3		No	WG CN1	
445	1587	**Evolution of GSM CS algorithms (e.g. A5/3 dev**	Rel4	No	WG SA3	TSG
446	**1588**	**Evolution of GSM PS algorithms (e.g. GEA 2 d**	**Rel4**	**No**	**WG SA3**	**TSG**
447	1589	Main aspects		No	WG SA3	
448	1618	Impact on GTP		No	WG CN4	WG
449	1661	GEA capability indication in MS CM		No	WG CN1	
450	**1572**	**Protection for user plane data**	**Rel5**	**Yes**	**WG SA3**	**TSG**
451	1573	Integrity protection in access network		No	WG SA3	
452	1575	Network based end-to-end security		No	WG SA3	
453	**1576**	**Network domain security**		**Yes**	**WG SA3**	**TSG**
454	**1577**	Control plane protection in core network (e.g., GTP, CAF	**Rel5**	**No**	**WG SA3**	
455	1578	Main aspects		No	WG SA3	
456	1579	Integration of GTP signalling security architecture		No	WG CN4	
457	**1580**	User plane protection in core network (e.g., provided by	**Rel5**	**No**	**WG SA3**	
458	1581	Main aspects		No	WG SA3	
459	1582	Integration of GTP signalling security architecture		No	WG CN4	
460	2098	Study of network-based denial of service		No	WG SA3	TSG
461	**1583**	**MAP application layer security**	**Rel4**	**No**	**WG SA3**	**TSG**
462	1584	Main aspects		No	WG SA3	WG
463	2025	Other stage 3 aspects		No	WG CN4	TSG
464	1586	**Key management for core network security**		No	WG SA3	TSG
465	1594	**Visibility and Configurability of security**	Rel4	No	WG SA3	TSG
466	1595	**FIGS**	Rel5	No	WG SA3	
467	**2026**	**Enhanced HE control of security (including po**	**Rel6**	**No**	**WG SA3**	
468	2027	Stage 2		No	WG SA3	
469	2028	FS on Network impacts		No	WG CN4	
470	**1861**	**Miscelleneous UE Conformance Testing Act**	**NA**	**Yes**	**WG T1**	
471	1862	**Optimisation of Test Time, RF Aspects (FDD)**		No	WG T1	
472	1863	**Optimisation of Test Time, RF Aspects (TDD)**		No	WG T1	



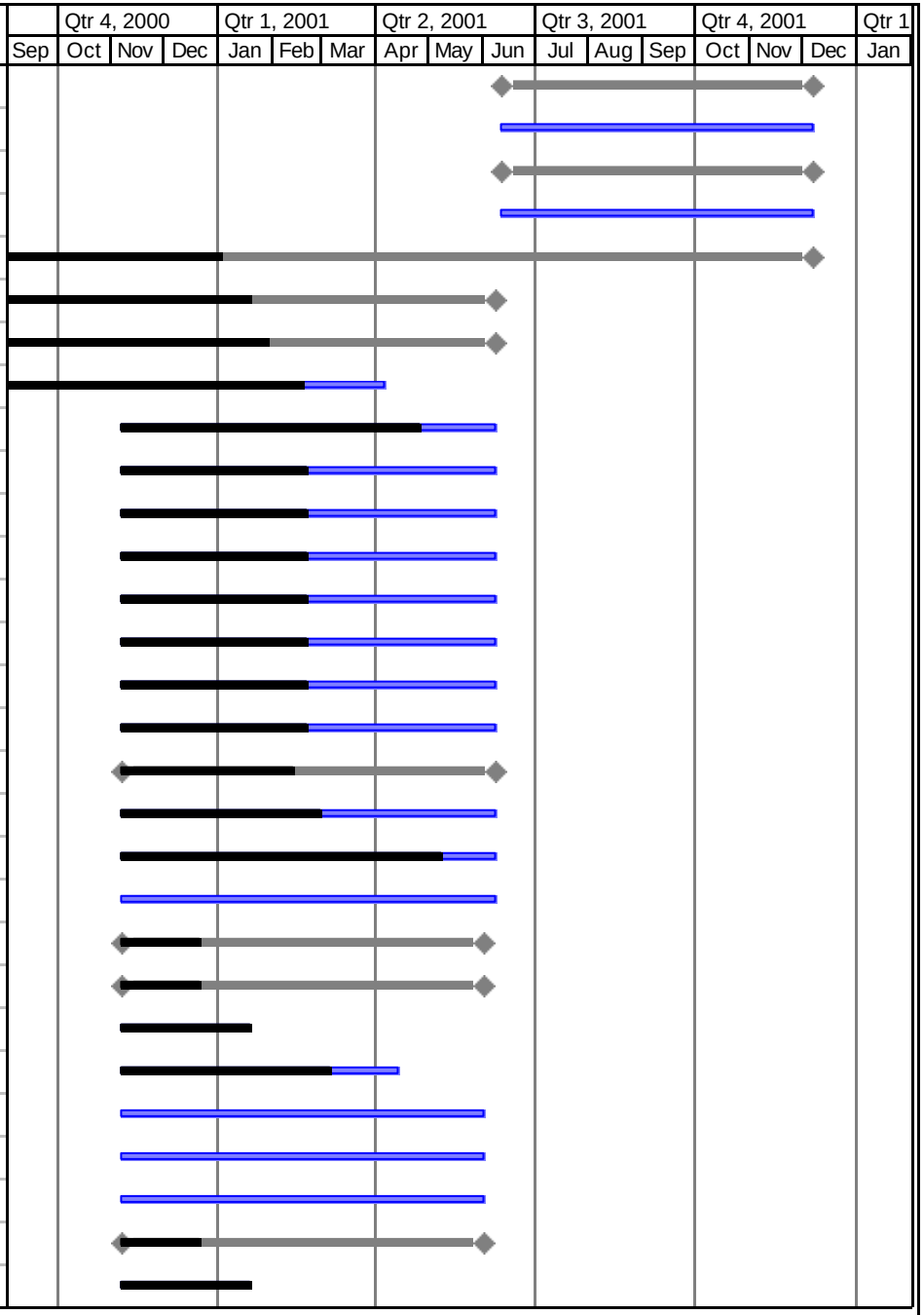
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
473	1907	**Extensions to R99 Test cases**		No	WG T1	
474	1908	**Review all other work items for impact on new**		No	WG T1	
475	1909	**Additional signalling tests to cover VHE, OSA,**		No	WG T1	
476	1365	**Support of Push Services**	Rel5	No	WG SA2	TSG
477	**1142**	**Charging and OAM&P (Master)**	**Rel4**	**No**	**WG SA5**	
478	2089	**Principles, high level Requirements and Archi**		No	WG SA5	TSG
479	2088	**Performance Management (PM) (Master)**		No	WG SA5	TSG
480	2081	**Fault Management (FM) (Master)**		No	WG SA5	TSG
481	2082	**Configuration Management (CM) (Master)**		No	WG SA5	TSG
482	2242	**Charging Management for all-IP UMTS networ**		No	WG SA5	TSG
483	2083	**Charging Management (CH) (Master)**		No	WG SA5	TSG
484	2062	**Subscription Management**	Rel5	No	WG SA5	TSG
485	2071	**UTRAN Operations and Maintenance proced**	Rel4	No	WG SA5	TSG
486	1993	**small Technical Enhancements and Improve**	Rel4	No	Generic	TSG
487	**2230**	**Advanced Speech Call Items enhancements_**	**Rel4**	**No**	**WG CN1**	**TSG**
488	2232	**Stage 2**		No	WG CN4	WG
489	2231	**Stages 2 and 3 on A interface**		No	WG CN1	WG
490	**2243**	**Intra Domain Connection of RAN Nodes to M**	**Rel5**	**No**	**WG SA2**	**TSG**
491	2244	**Overall System Architecture**		No	WG SA2	TSG
492	2245	**RAN work**		No	WG RAN3	TSG
493	2246	**GERAN work**		No	WG GERAN2	TSG
494	**2247**	**CN work**		**No**	**WG CN1**	**TSG**
495	2248	N1 work		No	WG CN1	TSG
496	2249	N4 work		No	WG CN4	TSG
497	**2310**	**GERAN improvements 1**	**Rel4**	**No**	**TSG GERAN**	**TSG**
498	**2311**	**Gb over IP (Ip-fication of Gb)**		**No**	**TSG GERAN**	**TSG**
499	2312	Concept		No	TSG GERAN	TSG
500	2313	Changes to 08.16, 08.18		No	TSG GERAN	TSG
501	**2314**	**GERAN improvements 2**	**Rel4**	**No**	**TSG GERAN**	**TSG**



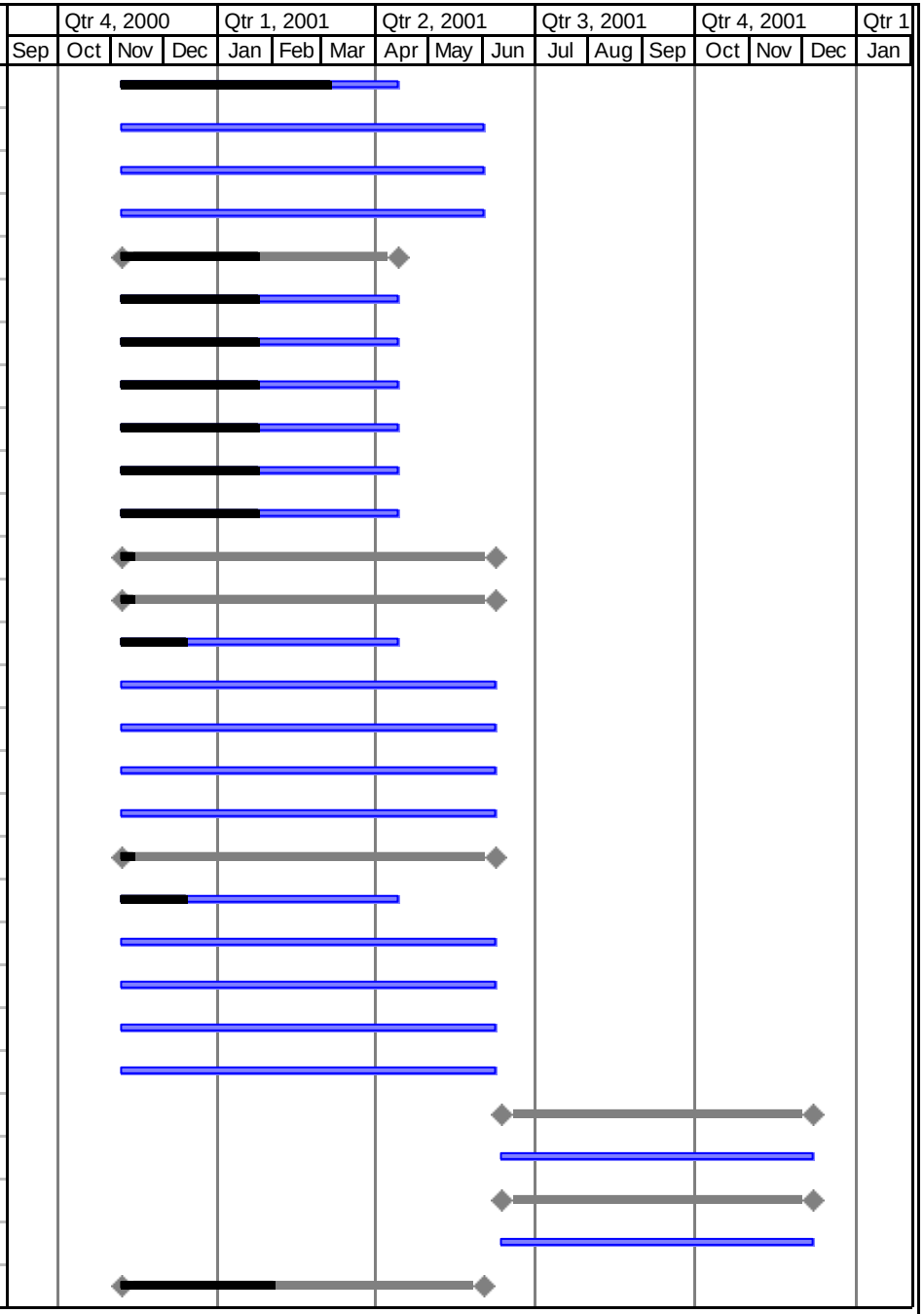
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
502	**2315**	**Gb enhancements**		**No**	**TSG GERAN**	**TSG**
503	**2316**	NACC (network Assisted Cell Change)		**No**	**TSG GERAN**	**TSG**
504	2420	Concept		No	TSG GERAN	TSG
505	2317	Changes in 03.64		No	TSG GERAN	TSG
506	2318	Changes in 04.60		No	TSG GERAN	TSG
507	2319	Changes in 44.008		No	TSG GERAN	TSG
508	**2320**	**GERAN improvements 3**	**Rel5**	**No**	**TSG GERAN**	**TSG**
509	**2321**	**Evolution of the transport for A**		**No**	**TSG GERAN**	**TSG**
510	2322	Definition of a new A interface Transport Layer option b		No	TSG GERAN	TSG
511	2323	Adaptation of the Layer 3 BSSMAP procedures as requ		No	TSG GERAN	TSG
512	**2324**	**GERAN improvements 4**	**Rel4**	**No**	**TSG GERAN**	**TSG**
513	**2325**	**Gb enhancements 2**		**No**	**TSG GERAN**	**TSG**
514	2429	stage 2		No	TSG GERAN	
515	**2421**	Stage 3 (changes in 44.060)		**No**	**/\G GERAN2**	**TSG**
516	2327	Definition of enhanced countdown procedure		No	/\G GERAN2	TSG
517	2328	Definition of enhanced TBF release procedure		No	/\G GERAN2	TSG
518	2329	Definition of USF=FREE type polling mechanism on F		No	/\G GERAN2	TSG
519	**2330**	**GERAN support for IP multimedia**	**Rel5**	**No**	**TSG GERAN**	**TSG**
520	**2331**	**GERAN Header adaptation**		**No**	**TSG GERAN**	**TSG**
521	2332	Definition of compression and removal modes for PDCP		No	TSG GERAN	TSG
522	2333	Conceptual description in stage 2		No	TSG GERAN	TSG
523	2334	Necessary changes on stage 3 regarding header remov		No	TSG GERAN	TSG
524	**2335**	**GERAN Radio access bearer design for IP mul**		**No**	**TSG GERAN**	**TSG**
525	**2422**	MuM control signalling for conversational multimedia ser		**No**	**TSG GERAN**	**TSG**
526	2431	Identification of requirements		No	TSG GERAN	TSG
527	2337	Necessary modifications due to SIP		No	TSG GERAN	TSG
528	**2338**	**Physical layer multiplexing**		**No**	**TSG GERAN**	**TSG**
529	2339	Stage 2		No	TSG GERAN	TSG
530	2432	Stage 3		No	TSG GERAN	TSG



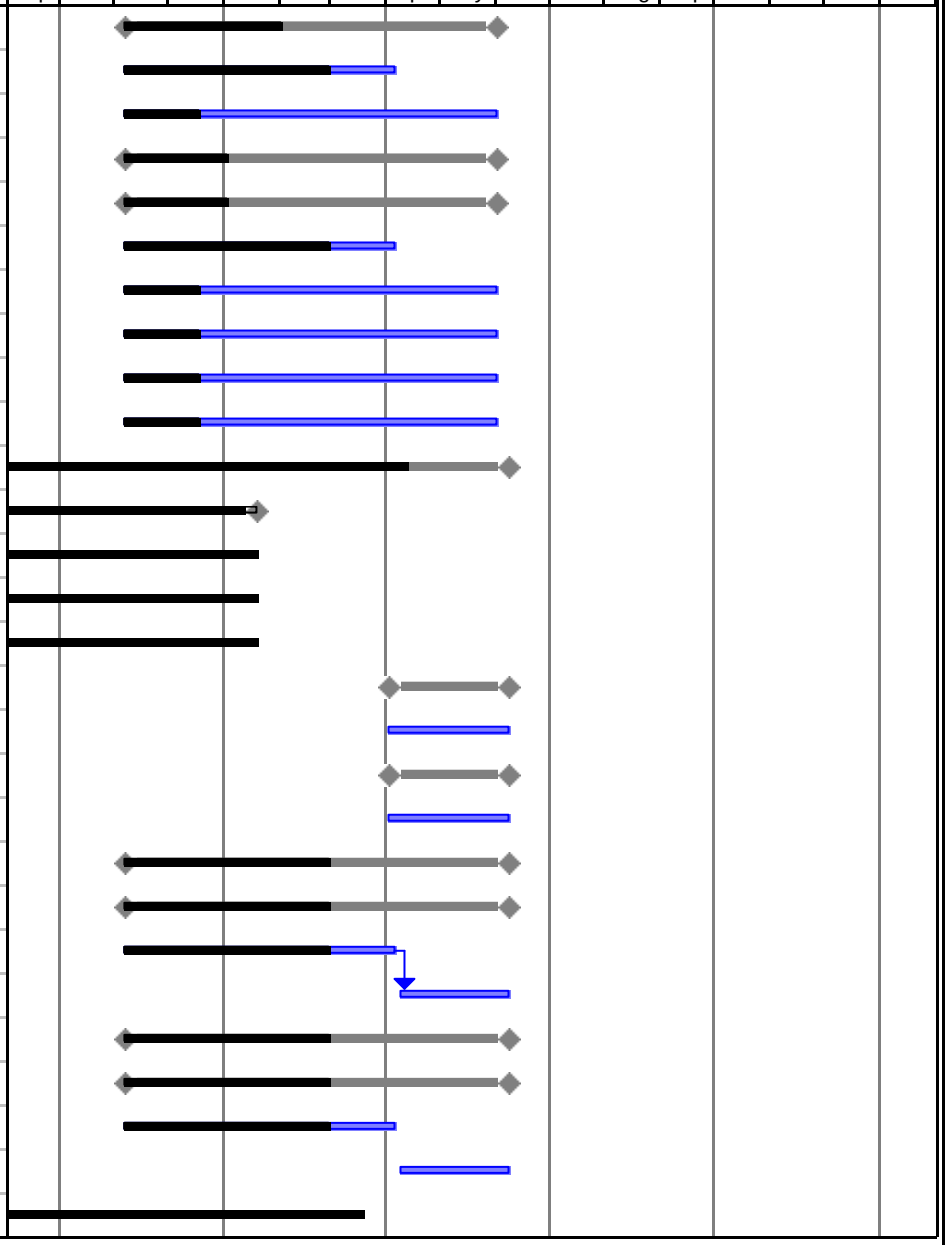
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
531	**2341**	**GERAN MS Conformance test for support of IF**		**No**	**TSG GERAN**	**TSG**
532	2342	MS test		No	WG GERAN4	TSG
533	**2343**	**GERAN BTS Conformance test for support of I**		**No**	**TSG GERAN**	**TSG**
534	2344	BTS test		No	WG GERAN3	TSG
535	**2345**	**Alignment of 3G functional split and Iu**	**Rel5**	**No**	**TSG GERAN**	**TSG**
536	**2346**	**GERAN user / control plane**		**No**	**TSG GERAN**	**TSG**
537	**2347**	Alignment with UMTS bearer concept		**No**	**TSG GERAN**	**TSG**
538	2423	Stage 2		No	TSG GERAN	TSG
539	2348	Adoption of the UTRAN PDCP		No	TSG GERAN	TSG
540	2349	Development of RLC / MAC		No	TSG GERAN	TSG
541	2350	Development of GERAN RR		No	TSG GERAN	TSG
542	2351	Ciphering and integrity protection		No	TSG GERAN	TSG
543	2352	Logical and physical channel realization TCH, PDT(		No	TSG GERAN	TSG
544	2353	Use of stealing bits		No	TSG GERAN	TSG
545	2354	Fast access		No	TSG GERAN	TSG
546	2355	Fast power control		No	TSG GERAN	TSG
547	**2424**	Physical layer alignment with UMTS bearer concept		**No**	**TSG GERAN**	**TSG**
548	2356	PDTCH/TCH in 45.003		No	TSG GERAN	TSG
549	2357	Control channels in 45.003		No	TSG GERAN	TSG
550	2358	Receiver performance in 45.005 for PDTCH/TCH a		No	TSG GERAN	TSG
551	**2359**	**Iu rg interface**		**No**	**TSG GERAN**	**TSG**
552	**2425**	Inter BSS interface		**No**	**TSG GERAN**	
553	2360	Identification of requirements		No	TSG GERAN	
554	2361	Stage 2		No	TSG GERAN	
555	2362	Adoption of relevant parts from Iur		No	TSG GERAN	
556	2363	Complementation with GERAN specifics		No	TSG GERAN	
557	2364	New stage 3		No	TSG GERAN	
558	**2426**	Inter BSS-RNS interface		**No**	**TSG GERAN**	
559	2365	Identification of requirements		No	TSG GERAN	



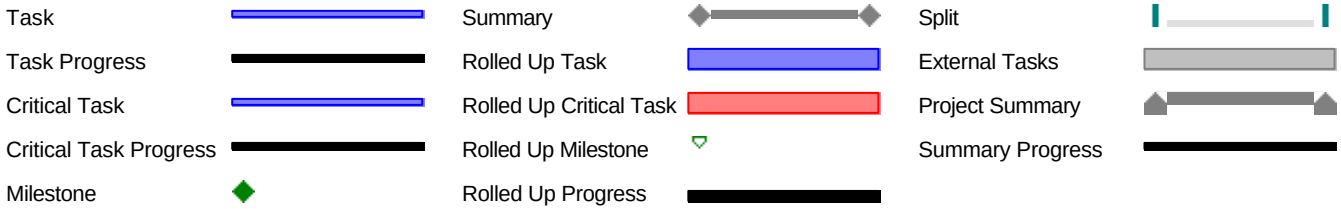
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
560	2366	Stage 2		No	TSG GERAN	
561	2367	Adoption of relevant parts from Iur		No	TSG GERAN	
562	2368	Complementation with GERAN specifics		No	TSG GERAN	
563	2369	New stage 3		No	TSG GERAN	
564	**2370**	**Voice over GERAN PS and CS concept**		**No**	**TSG GERAN**	
565	2371	Architecture for A, Iu cs and Iu ps		No	TSG GERAN	
566	2372	Transcoder position/operation		No	TSG GERAN	
567	2373	Handover		No	TSG GERAN	
568	2374	RTP payload		No	TSG GERAN	
569	2375	FPC		No	TSG GERAN	
570	2376	LA		No	TSG GERAN	
571	**2377**	**GERAN Narrowband speech realization**		**No**	**TSG GERAN**	
572	**2427**	8-PSK NB HR		**No**	**TSG GERAN**	
573	2378	Channel coding in 45.003		No	TSG GERAN	
574	2379	Signallimg for A interface		No	TSG GERAN	
575	2380	Signallimg for Iu		No	TSG GERAN	
576	2381	Link adaptation in 45.009		No	TSG GERAN	
577	2382	Receiver performance in 45.005		No	TSG GERAN	
578	**2428**	8-PSK NB QR		**No**	**TSG GERAN**	
579	2383	Channel coding in 45.003		No	TSG GERAN	
580	2384	Signallimg for A interface		No	TSG GERAN	
581	2385	Signallimg for Iu		No	TSG GERAN	
582	2386	Link adaptation in 45.009		No	TSG GERAN	
583	2387	Receiver performance in 45.005		No	TSG GERAN	
584	**2388**	**GERAN MS Conformance test for GERAN inter**		**No**	**TSG GERAN**	
585	2389	MS test		No	TSG GERAN	
586	**2390**	**GERAN MS Conformance test for GERAN inter**		**No**	**TSG GERAN**	
587	2391	BSS test		No	TSG GERAN	
588	**2392**	**GERAN enhancements for streaming service**	**Rel5**	**No**	**TSG GERAN**	



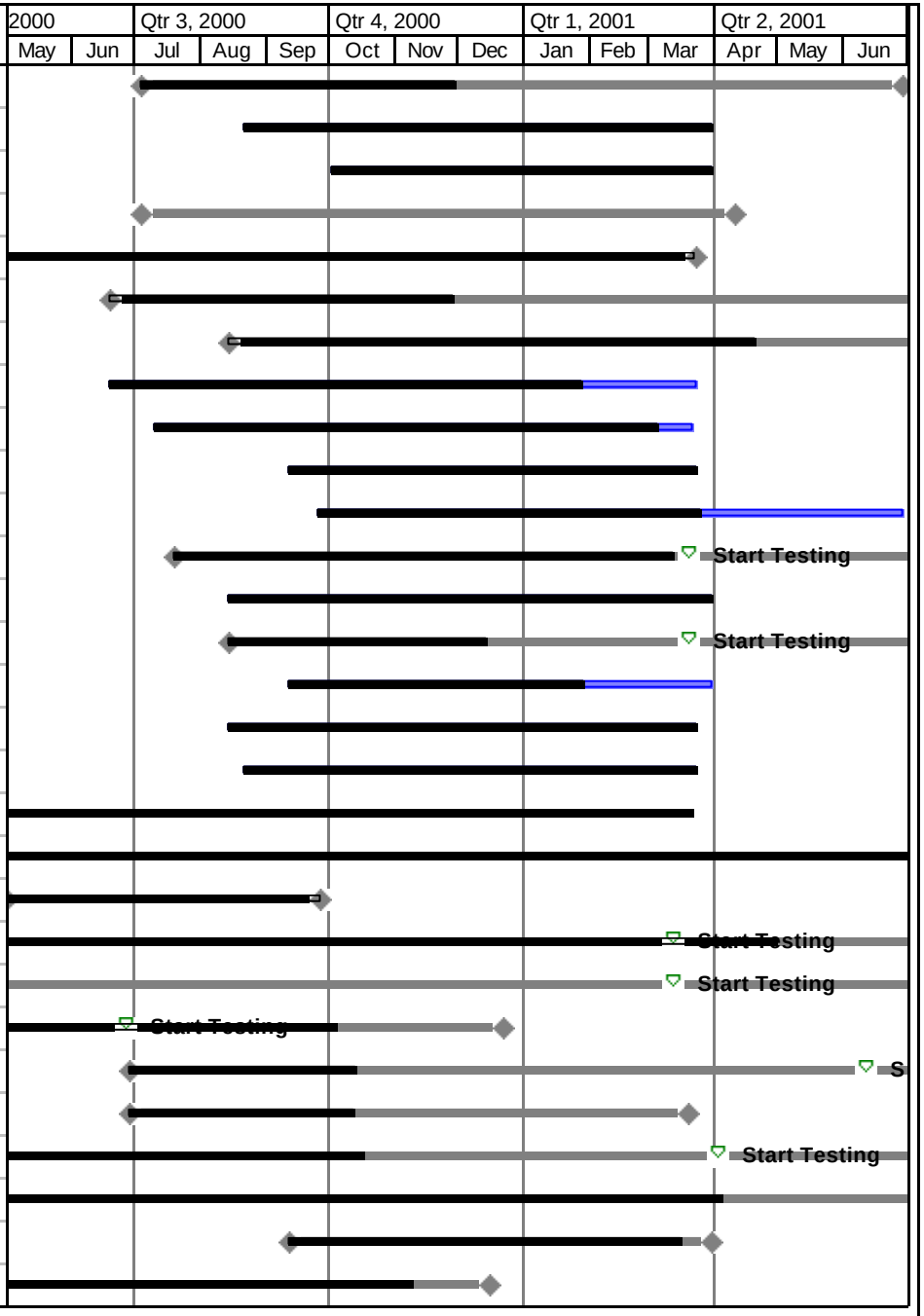
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
589	**2393**	**GERAN enhancements for streaming services**		**No**	**TSG GERAN**	
590	2394	Concept		No	TSG GERAN	
591	2395	RLC protocol enhancement		No	TSG GERAN	
592	**2396**	**GERAN enhancements for streaming service**	**Rel5**	**No**	**TSG GERAN**	
593	**2397**	**GERAN enhancements for streaming services**		**No**	**TSG GERAN**	
594	2398	Usage of ECSD		No	TSG GERAN	
595	2399	Stage 2		No	TSG GERAN	
596	2400	Stage 3		No	TSG GERAN	
597	2401	RLC PDU formats		No	TSG GERAN	
598	2402	MAC header		No	TSG GERAN	
599	**2403**	**700 MHz spectrum support**	**Rel4**	**No**	**TSG GERAN**	
600	**2404**	**GERAN support for the 700 MHz band**		**No**	**TSG GERAN**	
601	2405	Signalling support		No	TSG GERAN	
602	2406	Physical layer definitions		No	TSG GERAN	
603	2407	Receiver performance and RF budget		No	TSG GERAN	
604	**2408**	**GERAN MS Conformance test for 700 MHz ban**		**No**	**TSG GERAN**	
605	2409	MS test		No	TSG GERAN	
606	**2410**	**GERAN BTS Conformance test for 700 MHz ba**		**No**	**TSG GERAN**	
607	2411	BTS test		No	TSG GERAN	
608	**2412**	**GERAN/UTRAN interface evolution 1**	**Rel5**	**No**	**TSG GERAN**	
609	**2413**	**Evolution of Iu ps**		**No**	**TSG GERAN**	
610	2414	Identification of GERAN requirements on Iu ps		No	TSG GERAN	
611	2415	Update of specifications		No	TSG GERAN	
612	**2416**	**GERAN/UTRAN interface evolution 2**	**Rel5**	**No**	**TSG GERAN**	
613	**2417**	**Evolution of Iu cs**		**No**	**TSG GERAN**	
614	2418	Identification of GERAN requirements on Iu cs		No	TSG GERAN	
615	2419	Update of specifications		No	TSG GERAN	
616	2463	**ODB (Operator Determined Barring) for Pac**	Rel4	No	TSG CN	TSG



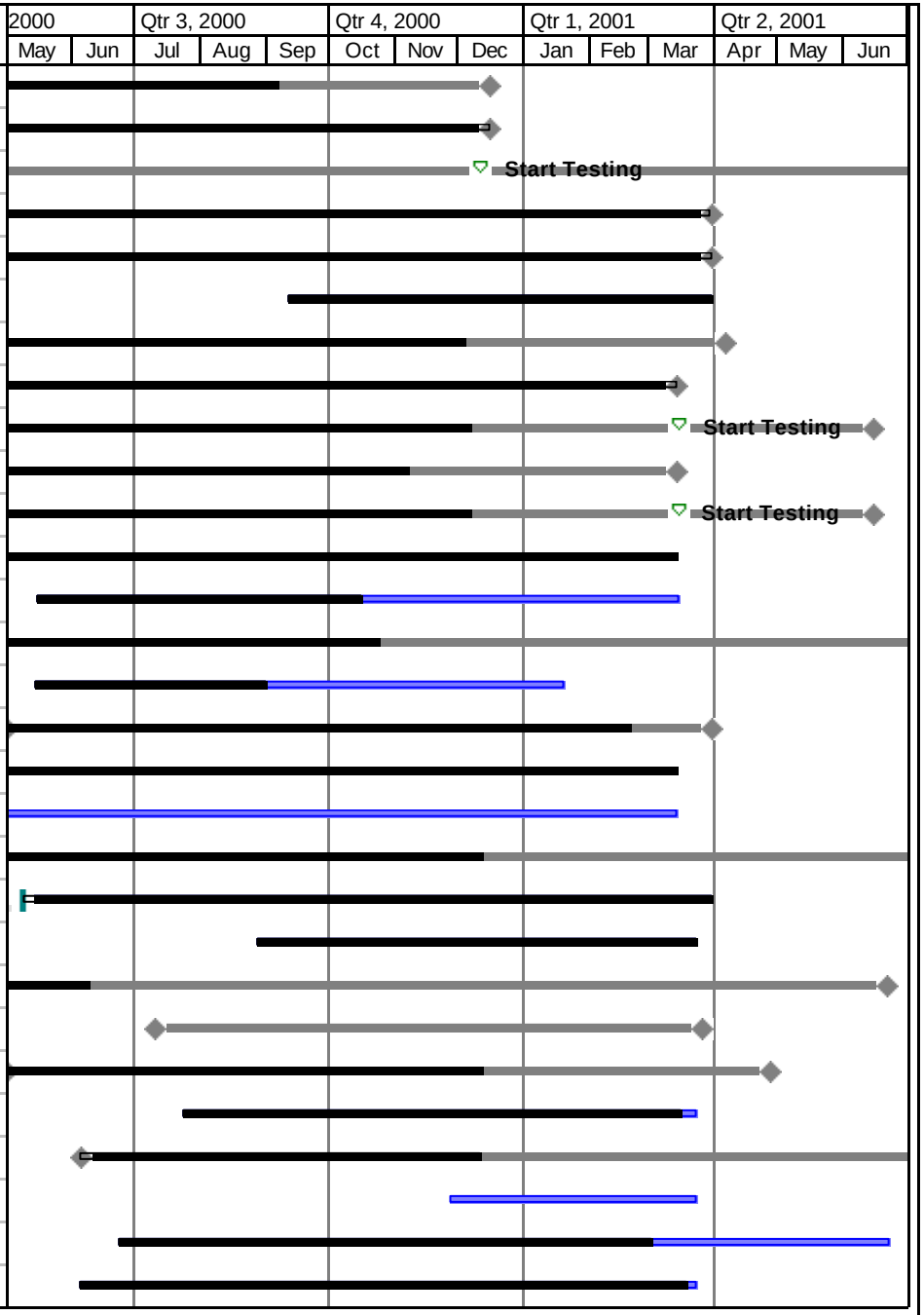
Project: 3GPP_Work Plan
Date: Tue 20/03/01



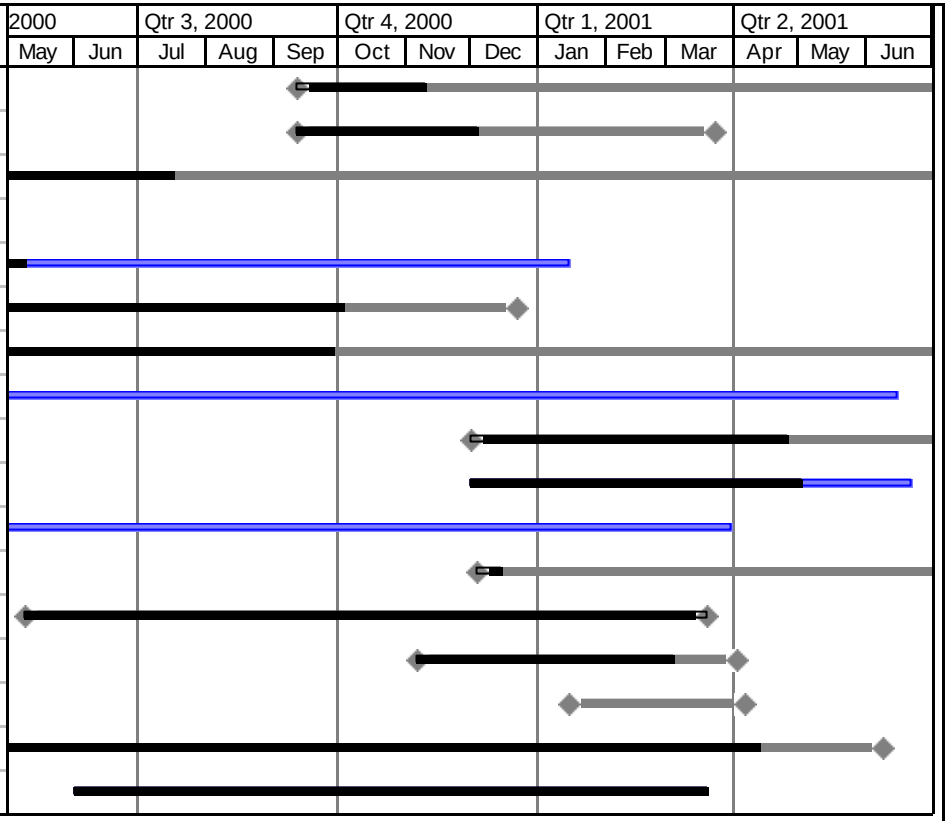
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
6	**2**	**Evolutions of the transport in the UTRAN**	**NA**	**Yes**	**TSG RAN**	**TSG**
8	12	**QoS optimisation for AAL2 connections over I**	Rel4	No	WG RAN3	TSG
9	1995	**Transport bearer modification procedure on Iu**	Rel4	No	WG RAN3	TSG
10	**2257**	**Evolution of transport in UTRAN and GERAN**	**Rel4**	**No**	**WG RAN3**	**TSG**
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	
30	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**TSG**
32	**1471**	**Base station classification**	**Rel4**	**No**	**WG RAN4**	**TSG**
37	1507	**Terminal Power Saving features**	Rel4	No	WG RAN1	TSG
38	1509	**UTRA repeater specification (master)**	Rel4	No	WG RAN4	TSG
39	1994	**DSCH power control improvement in soft hand**	Rel4	No	WG RAN1	TSG
40	1996	**UMTS 1800**	Rel4	No	WG RAN4	TSG
58	**1222**	**Low Chip Rate TDD option**	**Rel4**	**No**	**WG RAN1**	**TSG**
63	1228	**Iub/Iur protocol aspects**	Rel4	No	WG RAN3	TSG
72	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**TSG**
73	656	**RRM optimization for Iur and Iub**	Rel4	No	WG RAN3	TSG
74	655	**Node B synchronisation for TDD**	Rel4	No	WG RAN1	TSG
76	2206	**RAB support enhancement - ROHC part only**	Rel4	No	WG RAN2	TSG
138	1539	**Transparent End-to-End PS mobile streaming**	Rel4	No	WG SA4	TSG
139	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**WG**
147	**1654**	**For CS based calls**	**Rel4**	**No**	**WG CN1**	**TSG**
153	**1322**	**Enable bearer independent CS architecture**	**Rel4**	**No**	**WG SA2**	**TSG**
168	**1333**	**TO BE DELETED: CS multimedia services**	**Rel4**	**No**	**WG SA2**	
178	**1340**	**Facsimile**	**Rel4**	**No**	**WG SA1**	**TSG**
187	**1517**	**Global Text Telephony**	**NA**	**Yes**	**WG SA2**	**TSG**
188	**2240**	**Minimum solution**	**Rel4**	**No**		
205	**1526**	**TO BE DELETED: Bearer Modification witho**	**Rel4**	**No**	**WG SA1**	**TSG**
234	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**
236	1424	**Interactions OSA - e-commerce**	Rel4	No	WG SA2	TSG
270	**1445**	**MExE enhancements Rel-4**	**NA**	**No**	**WG T2**	**TSG**



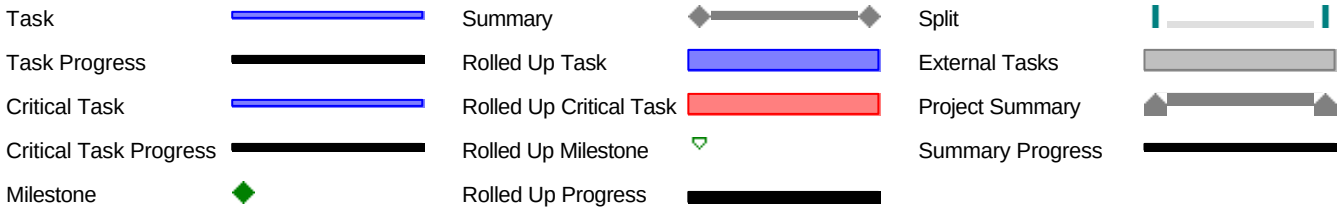
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
271	**1447**	**MExE Security**	**Rel4**	**No**	**WG SA3**	**TSG**
274	**1810**	**MExE Rel4 Improvements and Investigations**	**Rel4**	**No**	**WG T2**	**TSG**
281	**1625**	**Wideband Telephony Service - AMR (Maste**	**Rel4**	**No**	**WG SA4**	**TSG**
312	**1541**	**Transcoder-Free Operation**	**Rel4**	**No**	**WG CN4**	
313	**112**	**OoBTC solution**		**No**	**WG CN4**	**WG**
314	1512	implementation in UTRAN	Rel4	No	WG RAN3	TSG
323	**1631**	**Tandem Free aspects for 3G and between 2G**	**Rel4**	**No**	**WG SA4**	
329	**1818**	**Multimedia Messaging**	**Rel4**	**No**	**WG T2**	**TSG**
336	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	
337	**1827**	**AT commands enhancements**	**Rel4**	**No**	**WG T2**	
340	**1829**	**Wide Area Data Synchronisation**	**Rel4**	**No**	**WG T2**	
341	1830	Continues evolution of Synchronisation protocol	Rel4	No	WG T2	
345	1832	**Terminal local model**	Rel4	No	WG T2	TSG
346	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**TSG**
353	523	**LCS support in the CS domain**	Rel4	No	WG SA2	
354	**525**	**LCS support in the PS domain**	**Rel4**	**No**	**WG SA2**	
382	2229	**CBS interactions**	Rel4	No	WG T2	
383	1916	**MExE interactions**	Rel4	No	WG T2	
384	**1600**	**UE positioning**	**Rel5**	**No**	**TSG RAN**	**TSG**
385	1601	Iub/Iur interfaces for methods Rel 99	Rel4	No	WG RAN3	TSG
386	1602	UE positioning enhancements - IPDL for TDD	Rel4	No	WG RAN2	TSG
396	**1542**	**Ensure reliable QoS for PS domain**	**Rel4**	**No**	**WG SA2**	
425	**1557**	**DEL?: QoS for CS services at HOs (inter-MS**	**Rel4**	**No**	**WG SA2**	
427	**1560**	**UICC/(U)SIM enhancements and interworkin**	**NA**	**Yes**	**WG T3**	
429	1799	**Common PCN Handset Specification (CPHS)**	Rel4	No	WG T3	TSG
431	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	
432	1566	**Enhancements to (U)SIM toolkit secure messa**	Rel4	No	WG T3	TSG
433	1801	**Protocol Standardisation of a SIM Toolkit Inte**	Rel4	No	WG T3	TSG
434	2034	**USAT local link**	Rel4	No	WG T3	TSG



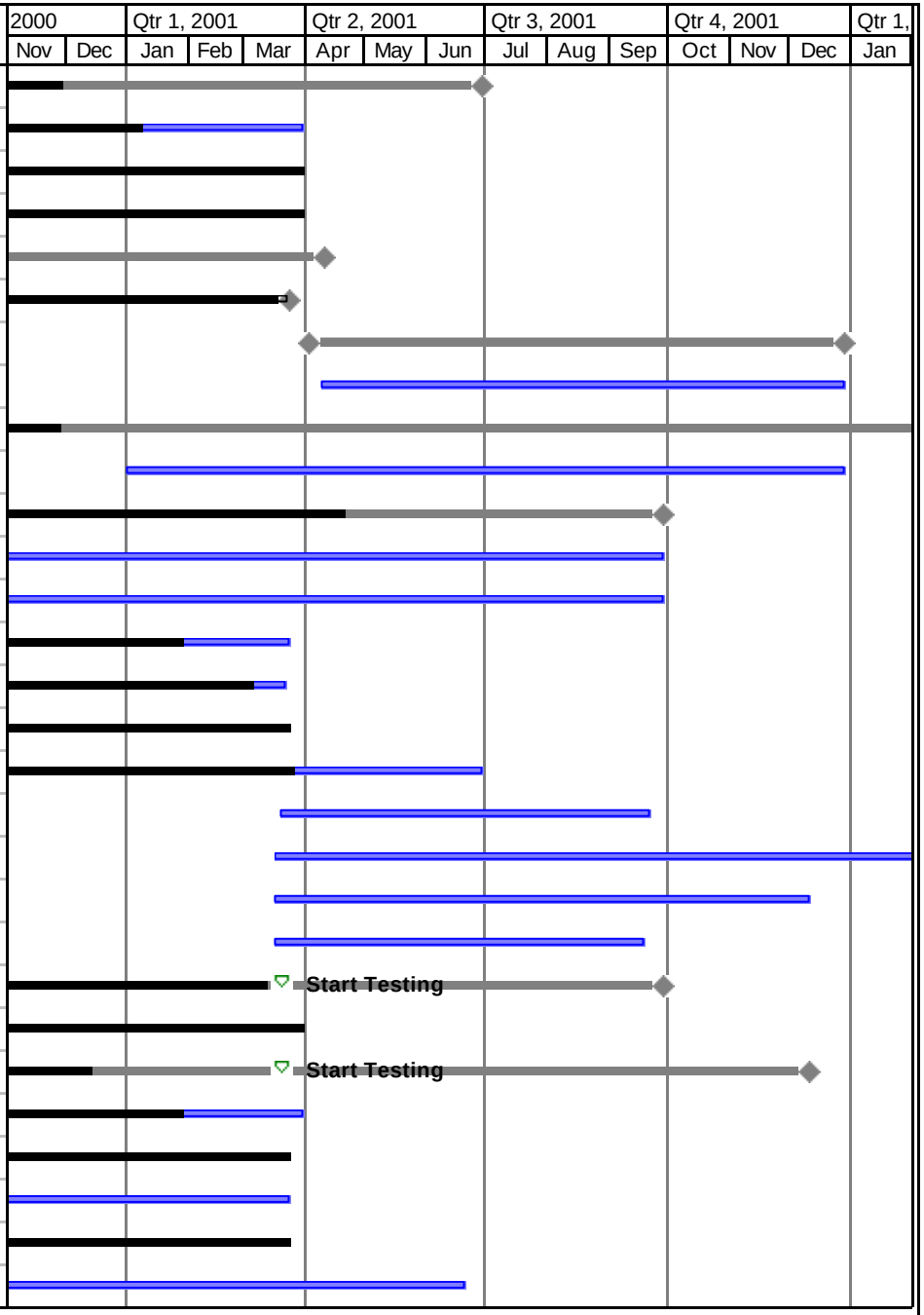
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
435	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	
436	**2029**	Java API	**Rel4**	**No**	**WG T3**	
442	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**TSG**
443	**2099**	**UE triggered authentication during connectior**	**Rel4**	**No**	**WG SA3**	**TSG**
445	1587	**Evolution of GSM CS algorithms (e.g. A5/3 dev**	Rel4	No	WG SA3	TSG
446	**1588**	**Evolution of GSM PS algorithms (e.g. GEA 2 d**	**Rel4**	**No**	**WG SA3**	**TSG**
461	**1583**	**MAP application layer security**	**Rel4**	**No**	**WG SA3**	**TSG**
465	1594	**Visibility and Configurability of security**	Rel4	No	WG SA3	TSG
477	**1142**	**Charging and OAM&P (Master)**	**Rel4**	**No**	**WG SA5**	
485	2071	**UTRAN Operations and Maintenance proced**	Rel4	No	WG SA5	TSG
486	1993	**small Technical Enhancements and Improver**	Rel4	No	Generic	TSG
487	**2230**	**Advanced Speech Call Items enhancements_**	**Rel4**	**No**	**WG CN1**	**TSG**
497	**2310**	**GERAN improvements 1**	**Rel4**	**No**	**TSG GERAN**	**TSG**
501	**2314**	**GERAN improvements 2**	**Rel4**	**No**	**TSG GERAN**	**TSG**
512	**2324**	**GERAN improvements 4**	**Rel4**	**No**	**TSG GERAN**	**TSG**
599	**2403**	**700 MHz spectrum support**	**Rel4**	**No**	**TSG GERAN**	
616	2463	**ODB (Operator Determined Barring) for Pac**	Rel4	No	TSG CN	TSG



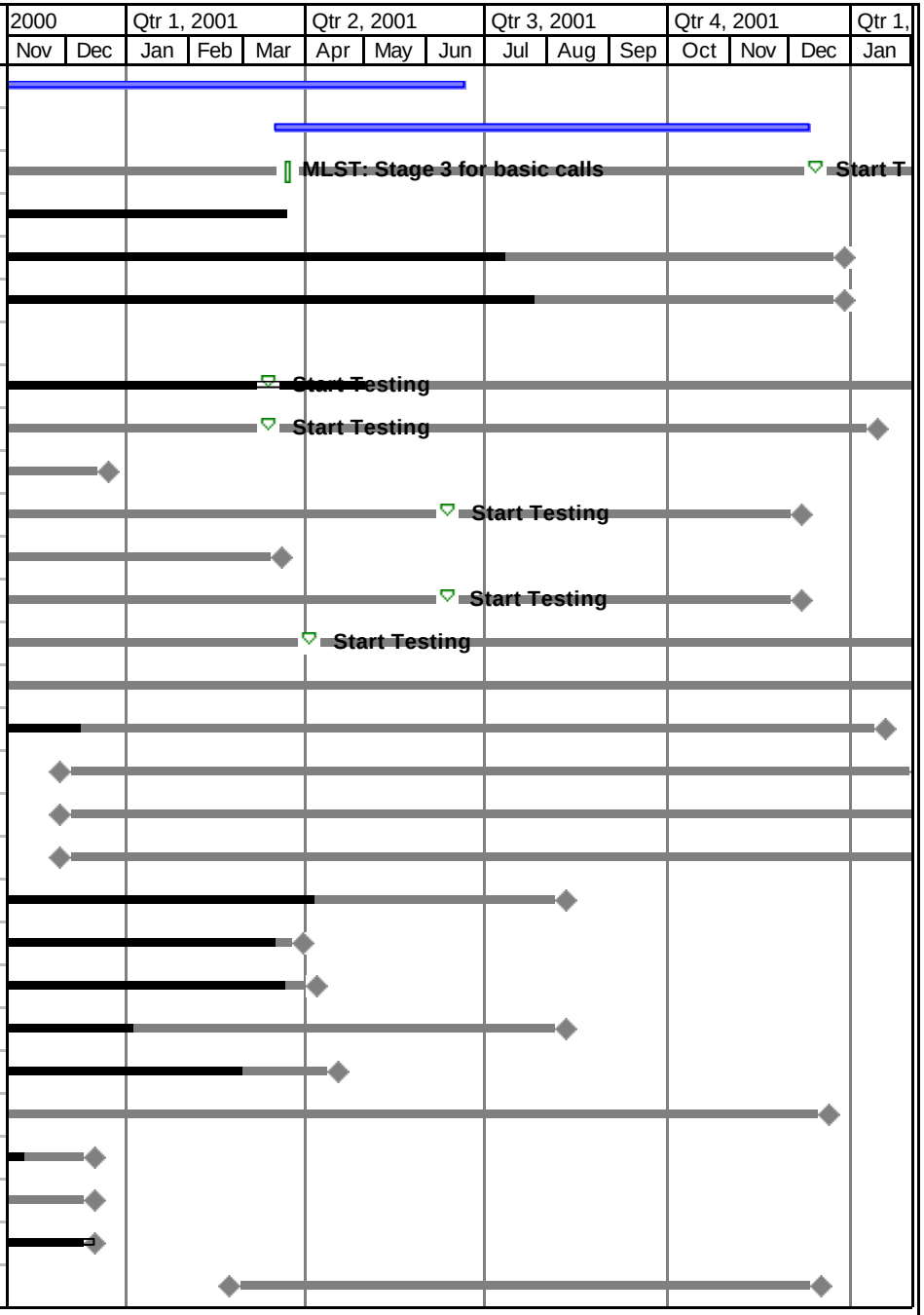
Project: 3GPP_Work Plan
Date: Tue 20/03/01



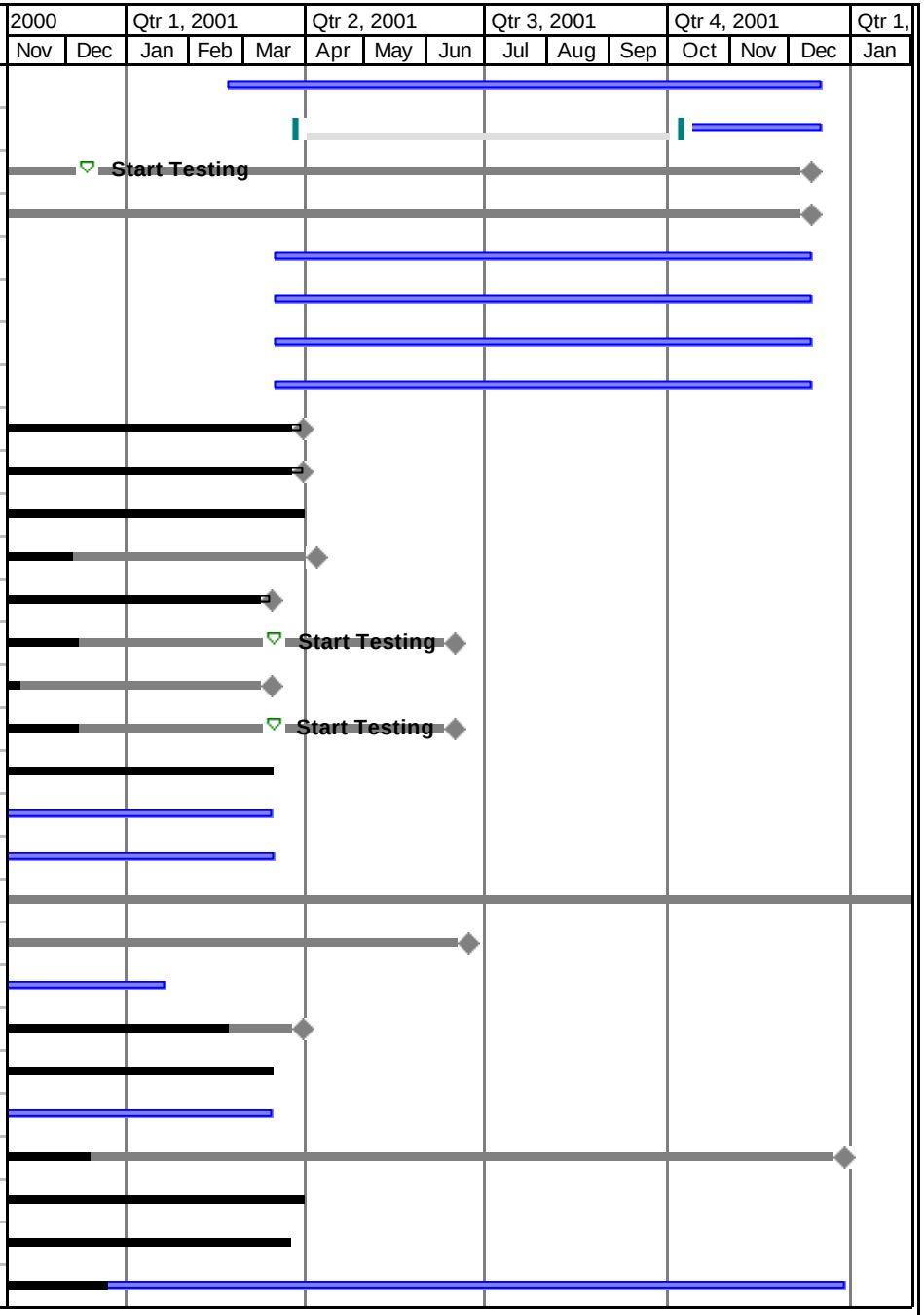
ID	Unique ID	Name	Release	Splitable	Resource Na	Level
6	**2**	**Evolutions of the transport in the UTRAN**	**NA**	**Yes**	**TSG RAN**	**TSG**
7	625	**IP transport in the UTRAN**	Rel5	No	WG RAN3	TSG
8	12	**QoS optimisation for AAL2 connections over I**	Rel4	No	WG RAN3	TSG
9	1995	**Transport bearer modification procedure on Iu**	Rel4	No	WG RAN3	TSG
10	**2257**	**Evolution of transport in UTRAN and GERAN**	**Rel4**	**No**	**WG RAN3**	**TSG**
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	
24	**2476**	**High Speed Downlink Packet Access**	**Rel5**	**No**	**WG RAN2**	**TSG**
29	2481	**Enhancement of Broadcast and Introduction**	Rel5	No	WG RAN2	TSG
30	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**TSG**
31	1470	**Improvement of inter-frequency and inter-sys**	Rel5	No	WG RAN1	TSG
32	**1471**	**Base station classification**	**Rel4**	**No**	**WG RAN4**	**TSG**
35	1217	**Hybrid ARQ II/III**	Rel5	No	WG RAN2	TSG
36	1218	**Improved usage of downlink resource in FDD f**	Rel5	No	WG RAN2	TSG
37	1507	**Terminal Power Saving features**	Rel4	No	WG RAN1	TSG
38	1509	**UTRA repeater specification (master)**	Rel4	No	WG RAN4	TSG
39	1994	**DSCH power control improvement in soft hand**	Rel4	No	WG RAN1	TSG
40	1996	**UMTS 1800**	Rel4	No	WG RAN4	TSG
41	2467	**UMTS 1900**	Rel5	No	WG RAN4	TSG
42	2468	**Multiple Input Multiple Output antennas (MIMC**	Rel5	No	WG RAN1	TSG
43	2469	**Enhancement on the DSCH hard split mode**	Rel5	No	WG RAN1	TSG
44	2470	**Gated DPCCH Transmission**	Rel5	No	WG RAN1	TSG
58	**1222**	**Low Chip Rate TDD option**	**Rel4**	**No**	**WG RAN1**	**TSG**
63	1228	**Iub/Iur protocol aspects**	Rel4	No	WG RAN3	TSG
72	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**TSG**
73	656	**RRM optimization for Iur and Iub**	Rel4	No	WG RAN3	TSG
74	655	**Node B synchronisation for TDD**	Rel4	No	WG RAN1	TSG
75	624	**RAB support enhancement - no ROHC**	Rel5	No	WG RAN2	TSG
76	2206	**RAB support enhancement - ROHC part only**	Rel4	No	WG RAN2	TSG
77	1680	**Header compression removal/stripping in the I**	Rel5	No	TSG RAN	



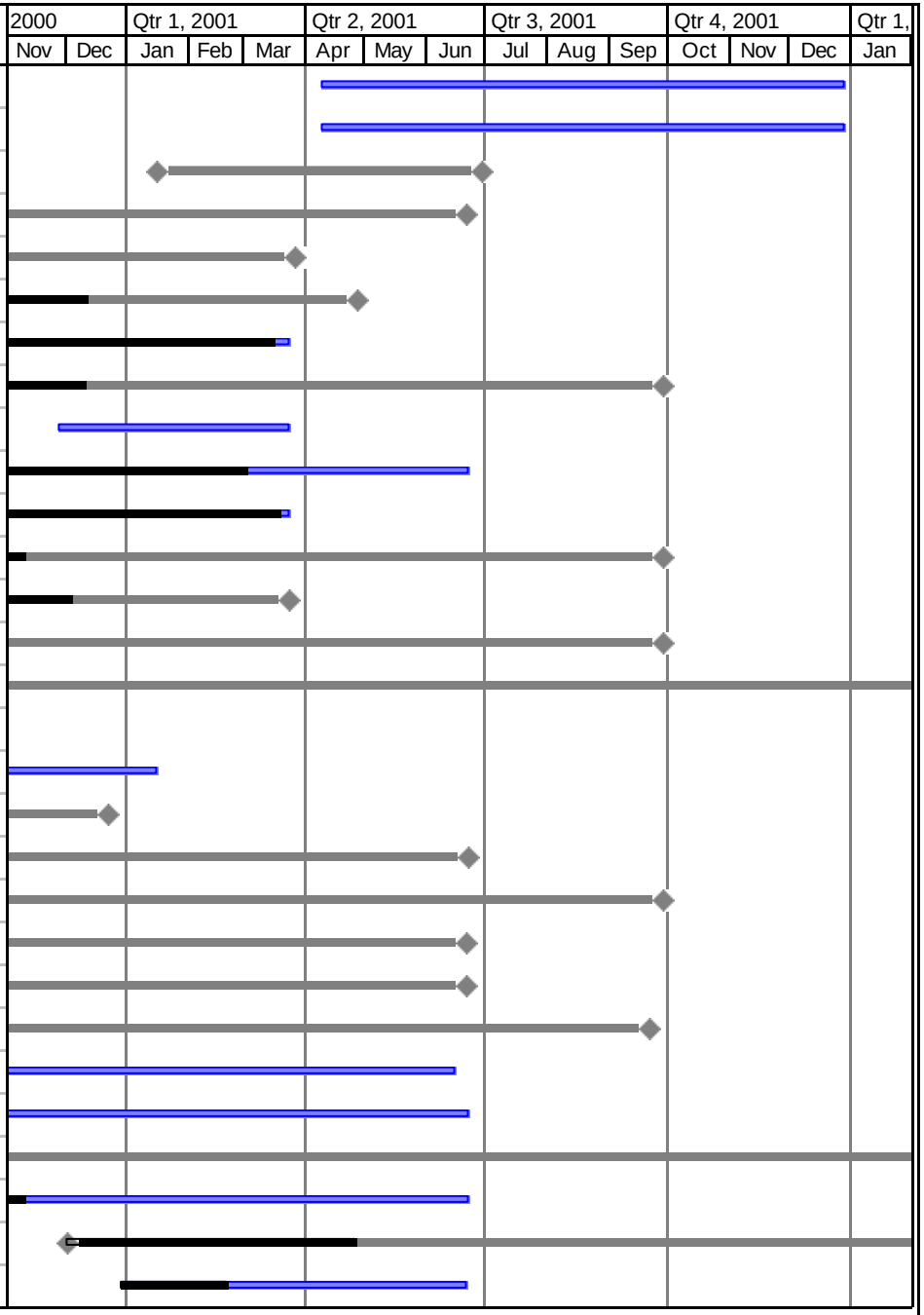
ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
78	1686	Unequal error protection in PS domain in the	Rel5	No	TSG RAN	
79	2472	Node B Synchronisation for 1.28 Mcps TDD	Rel5	No	WG RAN1	TSG
86	**1273**	**Provisioning of IP-based multimedia service**	**Rel5**	**No**	**WG SA1**	**TSG**
138	1539	Transparent End-to-End PS mobile streamin	Rel4	No	WG SA4	TSG
139	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**WG**
140	**1653**	**For IP & PS based calls**	**Rel5**	**No**	**WG CN1**	**TSG**
147	**1654**	**For CS based calls**	**Rel4**	**No**	**WG CN1**	**TSG**
153	**1322**	**Enable bearer independent CS architecture**	**Rel4**	**No**	**WG SA2**	**TSG**
168	**1333**	**TO BE DELETED: CS multimedia services**	**Rel4**	**No**	**WG SA2**	
178	**1340**	**Facsimile**	**Rel4**	**No**	**WG SA1**	**TSG**
187	**1517**	**Global Text Telephony**	**NA**	**Yes**	**WG SA2**	**TSG**
188	**2240**	**Minimum solution**	**Rel4**	**No**		
194	**2239**	**Improvements of GTT**	**Rel5**	**No**		
205	**1526**	**TO BE DELETED: Bearer Modification witho**	**Rel4**	**No**	**WG SA1**	**TSG**
217	**1367**	**VHE enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**
218	1368	Detailed definition of the VHE user profile	Rel5	No	WG SA2	WG
222	2104	Extensions to existing (and possibly new) tooll	Rel5	Yes	WG SA2	WG
226	2108	Interaction between toolkits to enable IP mult	Rel5	Yes	WG SA2	WG
230	2112	Transparent roaming for services	Rel5	Yes	WG SA2	WG
234	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**
236	1424	Interactions OSA - e-commerce	Rel4	No	WG SA2	TSG
239	1429	OSA APIs for MuMa CC	Rel5	No	WG SA2	TSG
242	1419	OSA security	Rel5	No	WG SA3	TSG
249	1433	Retrieval of Terminal capabilities	Rel5	No	WG SA2	TSG
258	**1638**	**CAMEL phase 4**	**Rel5**	**No**	**WG SA1**	
270	**1445**	**MExE enhancements Rel-4**	**NA**	**No**	**WG T2**	**TSG**
271	**1447**	**MExE Security**	**Rel4**	**No**	**WG SA3**	**TSG**
274	**1810**	**MExE Rel4 Improvements and Investigations**	**Rel4**	**No**	**WG T2**	**TSG**
278	**2464**	**MExE enhancements Rel-5**	**NA**	**No**	**WG T2**	**TSG**



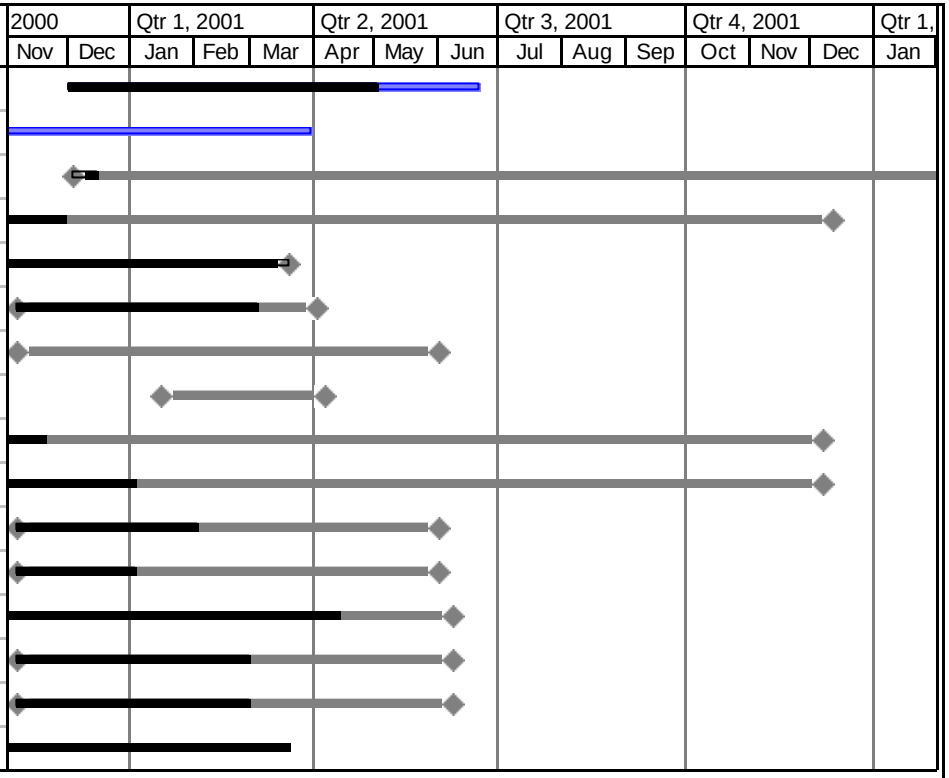
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
279	2465	**MExE Rel-5 Security Analyisis**	Rel5	No	WG T2	TSG
280	2466	**MExE Rel-5 Improvements and Investigations**	Rel5	No	WG T2	TSG
281	**1625**	**Wideband Telephony Service - AMR (Maste**	**Rel4**	**No**	**WG SA4**	**TSG**
296	**889**	**Implementation**		**No**	**WG SA4**	
308	2483	RL Timing Adjustment	Rel5	No	WG RAN3	TSG
309	2484	Separation of resource reservation and radio link activa	Rel5	No	WG RAN3	TSG
310	2485	**Improvement of Radio Resource Management**	Rel5	No	WG RAN3	TSG
311	2486	**Traffic Termination Point Swapping**	Rel5	No	WG RAN3	TSG
312	**1541**	**Transcoder-Free Operation**	**Rel4**	**No**	**WG CN4**	
313	**112**	**OoBTC solution**		**No**	**WG CN4**	**WG**
314	1512	implementation in UTRAN	Rel4	No	WG RAN3	TSG
323	**1631**	**Tandem Free aspects for 3G and between 2G**	**Rel4**	**No**	**WG SA4**	
329	**1818**	**Multimedia Messaging**	**Rel4**	**No**	**WG T2**	**TSG**
336	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	
337	**1827**	**AT commands enhancements**	**Rel4**	**No**	**WG T2**	
340	**1829**	**Wide Area Data Synchronisation**	**Rel4**	**No**	**WG T2**	
341	1830	Continues evolution of Synchronisation protocol	Rel4	No	WG T2	
342	1831	vObjects and Other Constructs for Use in Data Synchro	Rel5	No	WG T2	TSG
345	1832	**Terminal local model**	Rel4	No	WG T2	TSG
346	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**TSG**
347	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**WG SA1**	
353	523	**LCS support in the CS domain**	Rel4	No	WG SA2	
354	**525**	**LCS support in the PS domain**	**Rel4**	**No**	**WG SA2**	
382	2229	**CBS interactions**	Rel4	No	WG T2	
383	1916	**MExE interactions**	Rel4	No	WG T2	
384	**1600**	**UE positioning**	**Rel5**	**No**	**TSG RAN**	**TSG**
385	1601	Iub/Iur interfaces for methods Rel 99	Rel4	No	WG RAN3	TSG
386	1602	UE positioning enhancements - IPDL for TDD	Rel4	No	WG RAN2	TSG
387	2457	UE positioning enhancements - other methods	Rel5	No	WG RAN2	TSG



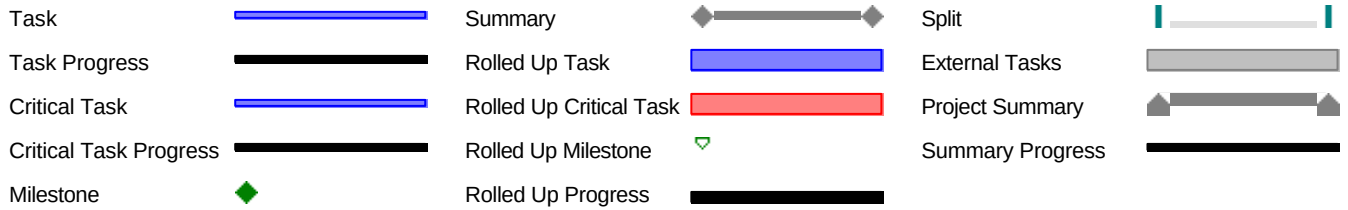
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
388	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	WG RAN2	TSG
389	2475	Open SMLC-SRNC Interface within the UTRAN to suppo	Rel5	No	WG RAN2	TSG
393	**2125**	**Open SMLC-SRNC Interface within the UTRAN**	**Rel5**	**No**	**WG RAN2**	**TSG**
396	**1542**	**Ensure reliable QoS for PS domain**	**Rel4**	**No**	**WG SA2**	
425	**1557**	**DEL?: QoS for CS services at HOs (inter-MS**	**Rel4**	**No**	**WG SA2**	
427	**1560**	**UICC/(U)SIM enhancements and interworkin**	**NA**	**Yes**	**WG T3**	
429	1799	**Common PCN Handset Specification (CPHS)**	Rel4	No	WG T3	TSG
431	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	
432	1566	**Enhancements to (U)SIM toolkit secure messa**	Rel4	No	WG T3	TSG
433	1801	**Protocol Standardisation of a SIM Toolkit Inte**	Rel4	No	WG T3	TSG
434	2034	**USAT local link**	Rel4	No	WG T3	TSG
435	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	
436	**2029**	Java API	**Rel4**	**No**	**WG T3**	
438	**2031**	Multos API	**Rel5**	**No**	**WG T3**	**TSG**
442	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**TSG**
443	**2099**	**UE triggered authentication during connectior**	**Rel4**	**No**	**WG SA3**	**TSG**
445	1587	**Evolution of GSM CS algorithms (e.g. A5/3 dev**	Rel4	No	WG SA3	TSG
446	**1588**	**Evolution of GSM PS algorithms (e.g. GEA 2 d**	**Rel4**	**No**	**WG SA3**	**TSG**
450	**1572**	**Protection for user plane data**	**Rel5**	**Yes**	**WG SA3**	**TSG**
453	**1576**	**Network domain security**		**Yes**	**WG SA3**	**TSG**
454	**1577**	Control plane protection in core network (e.g., GTP, CAF	**Rel5**	**No**	**WG SA3**	
457	**1580**	User plane protection in core network (e.g., provided by	**Rel5**	**No**	**WG SA3**	
461	**1583**	**MAP application layer security**	**Rel4**	**No**	**WG SA3**	**TSG**
465	1594	**Visibility and Configurability of security**	Rel4	No	WG SA3	TSG
466	1595	**FIGS**	Rel5	No	WG SA3	
467	**2026**	**Enhanced HE control of security (including po**	**Rel6**	**No**	**WG SA3**	
476	1365	**Support of Push Services**	Rel5	No	WG SA2	TSG
477	**1142**	**Charging and OAM&P (Master)**	**Rel4**	**No**	**WG SA5**	
484	2062	**Subscription Management**	Rel5	No	WG SA5	TSG



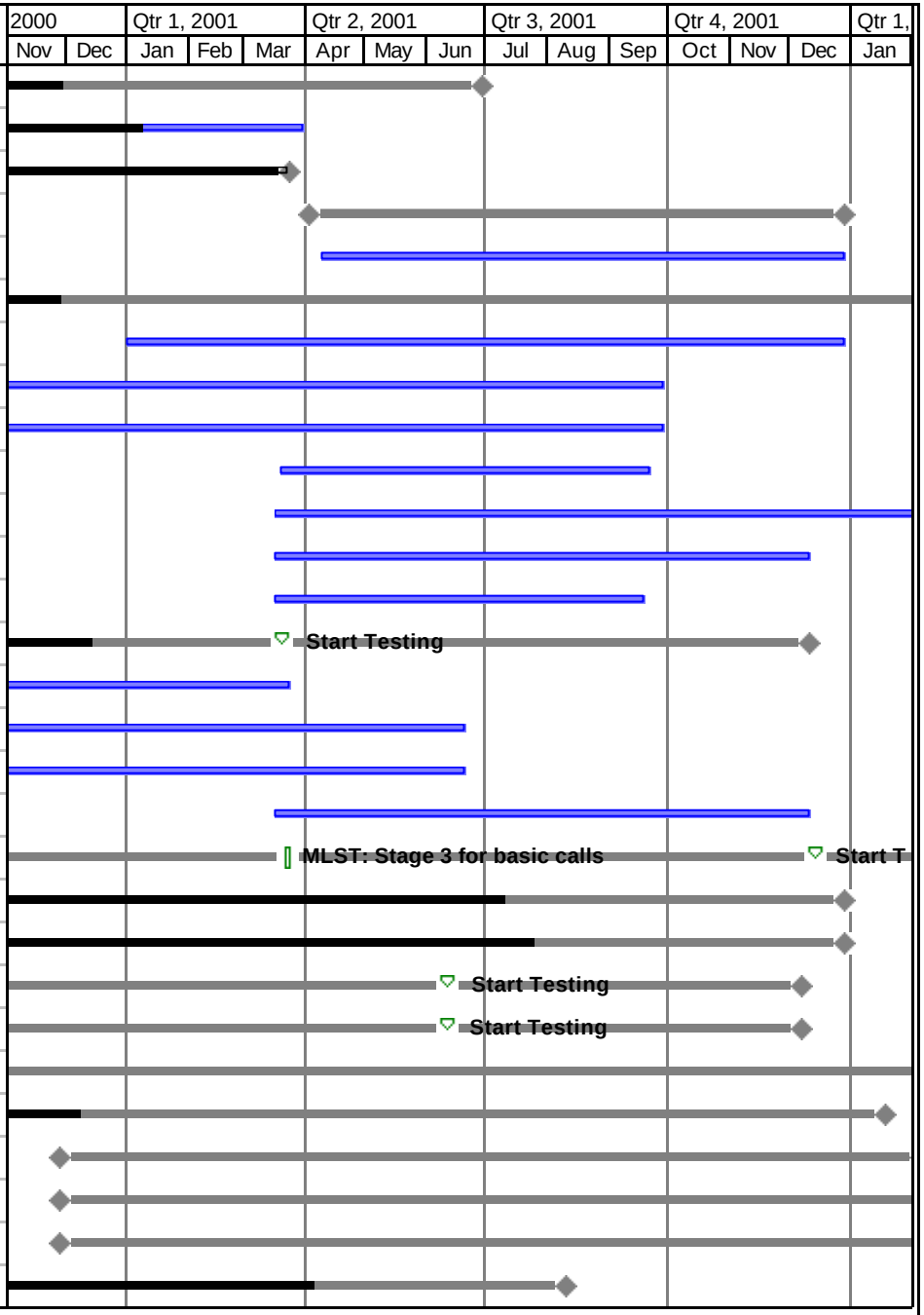
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
485	2071	UTRAN Operations and Maintenance proced	Rel4	No	WG SA5	TSG
486	1993	small Technical Enhancements and Improve	Rel4	No	Generic	TSG
487	**2230**	**Advanced Speech Call Items enhancements_**	**Rel4**	**No**	**WG CN1**	**TSG**
490	**2243**	**Intra Domain Connection of RAN Nodes to M**	**Rel5**	**No**	**WG SA2**	**TSG**
497	**2310**	**GERAN improvements 1**	**Rel4**	**No**	**TSG GERAN**	**TSG**
501	**2314**	**GERAN improvements 2**	**Rel4**	**No**	**TSG GERAN**	**TSG**
508	**2320**	**GERAN improvements 3**	**Rel5**	**No**	**TSG GERAN**	**TSG**
512	**2324**	**GERAN improvements 4**	**Rel4**	**No**	**TSG GERAN**	**TSG**
519	**2330**	**GERAN support for IP multimedia**	**Rel5**	**No**	**TSG GERAN**	**TSG**
535	**2345**	**Alignment of 3G functional split and Iu**	**Rel5**	**No**	**TSG GERAN**	**TSG**
588	**2392**	**GERAN enhancements for streaming service**	**Rel5**	**No**	**TSG GERAN**	
592	**2396**	**GERAN enhancements for streaming service**	**Rel5**	**No**	**TSG GERAN**	
599	**2403**	**700 MHz spectrum support**	**Rel4**	**No**	**TSG GERAN**	
608	**2412**	**GERAN/UTRAN interface evolution 1**	**Rel5**	**No**	**TSG GERAN**	
612	**2416**	**GERAN/UTRAN interface evolution 2**	**Rel5**	**No**	**TSG GERAN**	
616	2463	ODB (Operator Determined Barring) for Pac	Rel4	No	TSG CN	TSG



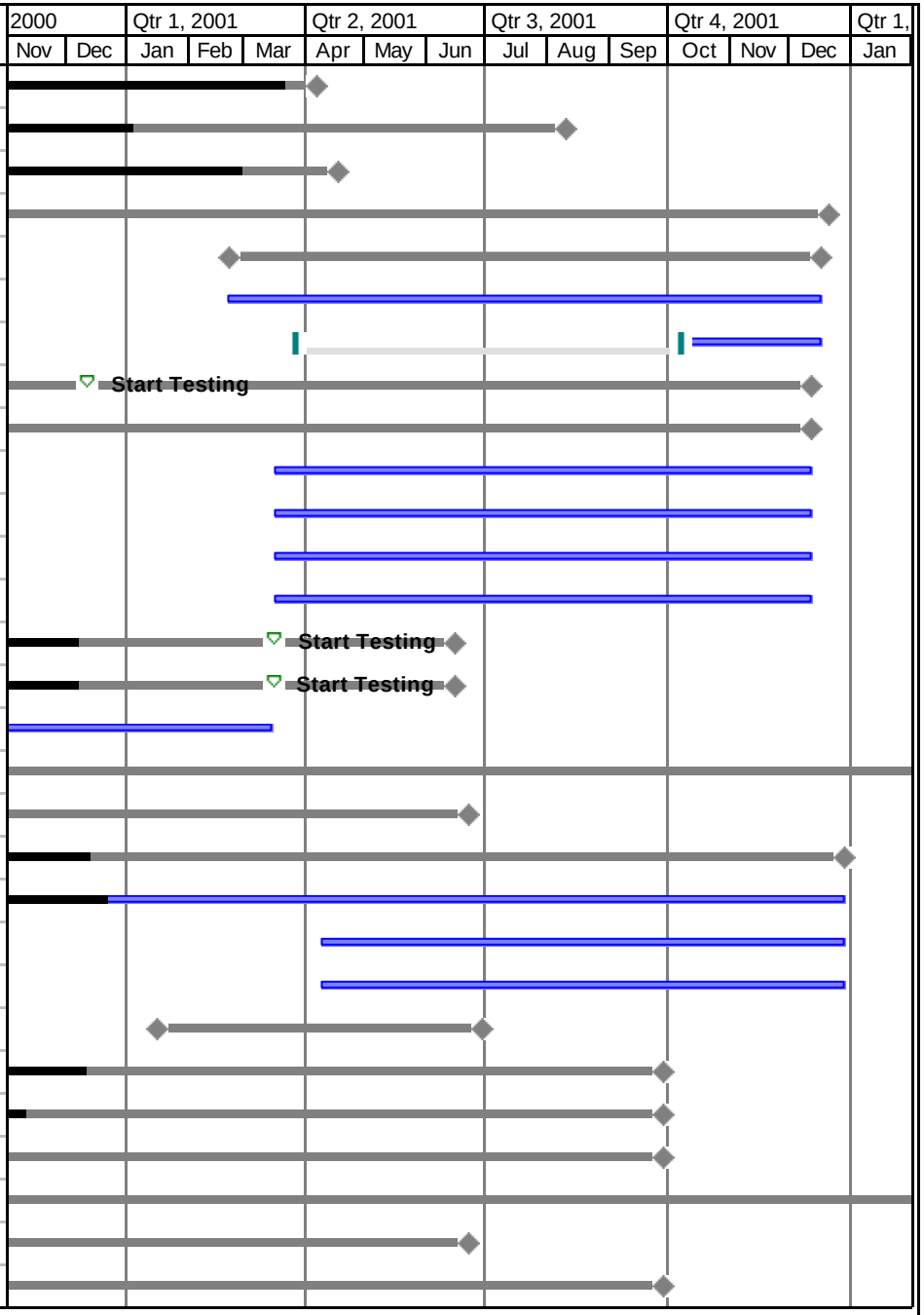
Project: 3GPP_Work Plan
Date: Tue 20/03/01



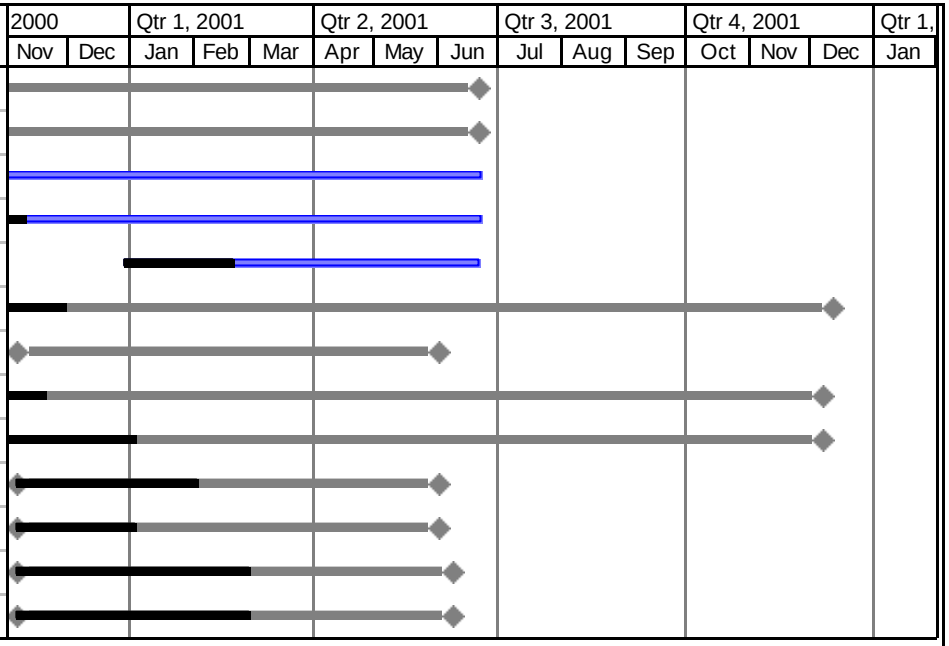
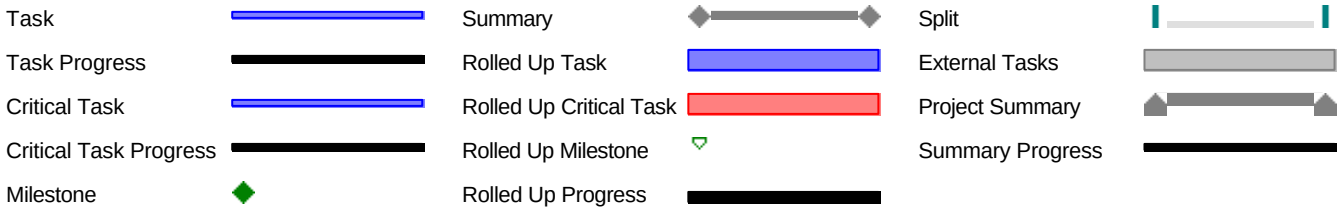
ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
6	**2**	**Evolutions of the transport in the UTRAN**	**NA**	**Yes**	**TSG RAN**	**TSG**
7	625	**IP transport in the UTRAN**	Rel5	No	WG RAN3	TSG
15	**4**	**Evolutions of the transport in the CN**	**NA**	**Yes**	**WG CN4**	
24	**2476**	**High Speed Downlink Packet Access**	**Rel5**	**No**	**WG RAN2**	**TSG**
29	2481	**Enhancement of Broadcast and Introduction**	Rel5	No	WG RAN2	TSG
30	**1216**	**Improvements of Radio Interface**	**NA**	**Yes**	**TSG RAN**	**TSG**
31	1470	**Improvement of inter-frequency and inter-sys**	Rel5	No	WG RAN1	TSG
35	1217	**Hybrid ARQ II/III**	Rel5	No	WG RAN2	TSG
36	1218	**Improved usage of downlink resource in FDD f**	Rel5	No	WG RAN2	TSG
41	2467	**UMTS 1900**	Rel5	No	WG RAN4	TSG
42	2468	**Multiple Input Multiple Output antennas (MIMC**	Rel5	No	WG RAN1	TSG
43	2469	**Enhancement on the DSCH hard split mode**	Rel5	No	WG RAN1	TSG
44	2470	**Gated DPCCH Transmission**	Rel5	No	WG RAN1	TSG
72	**9**	**RAN improvements**	**NA**	**Yes**	**TSG RAN**	**TSG**
75	624	**RAB support enhancement - no ROHC**	Rel5	No	WG RAN2	TSG
77	1680	**Header compression removal/stripping in the I**	Rel5	No	TSG RAN	
78	1686	**Unequal error protection in PS domain in the**	Rel5	No	TSG RAN	
79	2472	**Node B Synchronisation for 1.28 Mcps TDD**	Rel5	No	WG RAN1	TSG
86	**1273**	**Provisioning of IP-based multimedia service**	**Rel5**	**No**	**WG SA1**	**TSG**
139	**1652**	**Emergency call enhancements**	**NA**	**Yes**	**WG CN1**	**WG**
140	**1653**	**For IP & PS based calls**	**Rel5**	**No**	**WG CN1**	**TSG**
187	**1517**	**Global Text Telephony**	**NA**	**Yes**	**WG SA2**	**TSG**
194	**2239**	**Improvements of GTT**	**Rel5**	**No**		
217	**1367**	**VHE enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**
218	1368	**Detailed definition of the VHE user profile**	Rel5	No	WG SA2	WG
222	2104	**Extensions to existing (and possibly new) tooll**	Rel5	Yes	WG SA2	WG
226	2108	**Interaction between toolkits to enable IP mult**	Rel5	Yes	WG SA2	WG
230	2112	**Transparent roaming for services**	Rel5	Yes	WG SA2	WG
234	**1637**	**OSA enhancements**	**NA**	**Yes**	**WG SA1**	**TSG**



ID	Unique ID	Name	Release	Splitable	Resource Na	Leve
239	1429	**OSA APIs for MuMa CC**	Rel5	No	WG SA2	TSG
242	1419	**OSA security**	Rel5	No	WG SA3	TSG
249	1433	**Retrieval of Terminal capabilities**	Rel5	No	WG SA2	TSG
258	**1638**	**CAMEL phase 4**	**Rel5**	**No**	**WG SA1**	
278	**2464**	**MExE enhancements Rel-5**	**NA**	**No**	**WG T2**	**TSG**
279	2465	**MExE Rel-5 Security Analysis**	Rel5	No	WG T2	TSG
280	2466	**MExE Rel-5 Improvements and Investigations**	Rel5	No	WG T2	TSG
281	**1625**	**Wideband Telephony Service - AMR (Maste**	**Rel4**	**No**	**WG SA4**	**TSG**
296	**889**	**Implementation**		**No**	**WG SA4**	
308	2483	RL Timing Adjustment	Rel5	No	WG RAN3	TSG
309	2484	Separation of resource reservation and radio link activa	Rel5	No	WG RAN3	TSG
310	2485	**Improvement of Radio Resource Management**	Rel5	No	WG RAN3	TSG
311	2486	**Traffic Termination Point Swapping**	Rel5	No	WG RAN3	TSG
336	**1826**	**Terminal interfaces**	**NA**	**Yes**	**WG T2**	
340	**1829**	**Wide Area Data Synchronisation**	**Rel4**	**No**	**WG T2**	
342	1831	vObjects and Other Constructs for Use in Data Synchro	Rel5	No	WG T2	TSG
346	**1536**	**Location Services enhancements**	**NA**	**Yes**	**WG SA2**	**TSG**
347	**1171**	**Event based and Periodic LCS**	**Rel5**	**No**	**WG SA1**	
384	**1600**	**UE positioning**	**Rel5**	**No**	**TSG RAN**	**TSG**
387	2457	UE positioning enhancements - other methods	Rel5	No	WG RAN2	TSG
388	2474	UE positioning enhancements for 1.28 Mcps TDD	Rel5	No	WG RAN2	TSG
389	2475	Open SMLC-SRNC Interface within the UTRAN to suppo	Rel5	No	WG RAN2	TSG
393	**2125**	**Open SMLC-SRNC Interface within the UTRAN**	**Rel5**	**No**	**WG RAN2**	**TSG**
431	**1800**	**(U)SIM toolkit enhancements**	**NA**	**Yes**	**WG T3**	
435	**1802**	**UICC API**	**NA**	**Yes**	**WG T3**	
438	**2031**	Multos API	**Rel5**	**No**	**WG T3**	**TSG**
442	**1571**	**Security enhancements**	**NA**	**No**	**WG SA3**	**TSG**
450	**1572**	**Protection for user plane data**	**Rel5**	**Yes**	**WG SA3**	**TSG**
453	**1576**	**Network domain security**		**Yes**	**WG SA3**	**TSG**



ID	Unique ID	Name	Release	Splitab	Resource Na	Leve
454	**1577**	Control plane protection in core network (e.g., GTP, CAF	**Rel5**	**No**	**WG SA3**	
457	**1580**	User plane protection in core network (e.g., provided by	**Rel5**	**No**	**WG SA3**	
466	1595	**FIGS**	Rel5	No	WG SA3	
476	1365	**Support of Push Services**	Rel5	No	WG SA2	TSG
484	2062	**Subscription Management**	Rel5	No	WG SA5	TSG
490	**2243**	**Intra Domain Connection of RAN Nodes to M**	**Rel5**	**No**	**WG SA2**	**TSG**
508	**2320**	**GERAN improvements 3**	**Rel5**	**No**	**TSG GERAN**	**TSG**
519	**2330**	**GERAN support for IP multimedia**	**Rel5**	**No**	**TSG GERAN**	**TSG**
535	**2345**	**Alignment of 3G functional split and Iu**	**Rel5**	**No**	**TSG GERAN**	**TSG**
588	**2392**	**GERAN enhancements for streaming service**	**Rel5**	**No**	**TSG GERAN**	
592	**2396**	**GERAN enhancements for streaming service**	**Rel5**	**No**	**TSG GERAN**	
608	**2412**	**GERAN/UTRAN interface evolution 1**	**Rel5**	**No**	**TSG GERAN**	
612	**2416**	**GERAN/UTRAN interface evolution 2**	**Rel5**	**No**	**TSG GERAN**	



Project: 3GPP_Work Plan
Date: Tue 20/03/01