

**Source:** MCC

## **3GPP Work Plan – Cover page**

Version 2000, December 5<sup>th</sup>

### **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](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](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](mailto: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 5<sup>th</sup>:*

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, 6<sup>th</sup>:*

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](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-splittable features. If the feature is splittable, it applies to each individual Building Block composing the feature, provided that the Building Blocks are non-splittable. It does not apply to Feasibility Studies, Testing nor Charging Activities.
4. Splittable: 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, 1<sup>st</sup>.
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 14<sup>th</sup>:**

- The field “splittable” has been introduced. For a given WI, it identifies whether its children WIs can be split on different Releases (splittable= “yes”) or if the WI has to be considered as a single block (splittable= “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 26<sup>th</sup>:**

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	Splittable	Resource Name	Acronym	Level of	2000		Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2,
								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
1	2044	<b>VERSION Dec. 5th</b>		No			MCC												
2	1462	<b>"CTRL + a" to display all the 3GPP files</b>		No			MCC												
3	1463	<b>If MS Project crashes, hide the "hyperlinks"</b>		No			MCC												
4	2058																		
5	96			No															
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	Yes	TSG RAN	ETRAN	TSG												
7	625	<b>IP transport in the UTRAN</b>	Rel4	No	WG RAN3	ETRAN-IPtrans	TSG												
8	624	<b>RAB support enhancement - no ROHC</b>	Rel5	No	WG RAN2	ETRAN-RABSE	TSG												
9	2206	<b>RAB support enhancement - ROHC part</b>		No	WG RAN2	ETRAN-RABSE													
10	12	<b>QoS optimisation for AAL2 connections</b>	Rel4	No	WG RAN3	ETRAN-QoSAAL2	TSG												
11	1995	<b>Migration to modification procedures</b>	Rel4	No	WG RAN3	ETRAN-MigrMod	TSG												
12	1834	<b>Conformance Test Aspects</b>		No	WG T1		CHAIR												
13	2208	Testing RAB support enhancements		No	WG T1	CT-RABS?	CHAIR												
14	1837	Logical Test Interface, Specification, R4 evolution		No	WG RAN2		CHAIR												
15	4	<b>Evolutions of the transport in the CN</b>	NA	Yes	WG CN4	CNTRSP	MCC												
16	859	<b>IP Transport of CN protocols (e.g., CAP, MAP)</b>	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	<b>FS on Transport and control separation</b>		No	WG SA2		TSG												
22	1615	Architectural impacts		No	WG SA2		WG												
23	1614	Protocol impacts		No	WG CN4		WG												
24	1216	<b>Improvements of Radio Interface</b>	NA	Yes	TSG RAN	RInImp	TSG												
25	1470	<b>Improvement of inter-frequency and inter-system handovers</b>	Rel5	No	WG RAN1	RInImp-IfIsM	TSG												
26	1471	<b>Base station classification</b>	Rel4	No	WG RAN4	RInImp-BSCClass	TSG												
27	1476	FDD Base station classification		No	WG RAN4	RInImp-BSCClass-FDD	TSG												
28	1477	TDD Base station classification		No	WG RAN4	RInImp-BSCClass-TDD	TSG												
29	1217	<b>Hybrid ARQ II/III</b>	Rel5	No	WG RAN2	RInImp-HARQ	TSG												

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								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
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 efficiency 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 sc		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, systere		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 R		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												



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								May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
59	9	<b>RAN improvements</b>	NA	Yes	TSG RAN	RANimp	TSG												Start
60	1466	Smart antenna	Rel4	No	WG RAN1	RANimp-SmartA	TSG												
61	656	RRM optimization for lur and lub	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															Start
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	<b>Provisioning of IP-based multimedia s</b>	Rel5	No	WG SA1	IMS	TSG												MLST
71	1274	<b>Call control and roaming to support IP-</b>		No	WG SA2	IMS-CCR	TSG												MLST
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	?														MLST
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												

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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	<b>1290</b>	Addressing, Identities		<b>No</b>	<b>WG SA2</b>	<b>IMS-CCR</b>	<b>MCC</b>												
95	1291	Architectural issues		No	WG SA2	IMS-CCR	MCC												
96	1292	Impact on HSS		No	WG CN4	IMS-CCR	MCC												
97	<b>1294</b>	Interworking with other multimedia protocols		<b>No</b>	<b>WG CN3</b>	<b>IMS-CCR</b>	<b>MCC</b>												
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	<b>Start Testing</b>		No															
103	1844	<b>Conformance Test Aspects - Provisioning</b>		No	WG T1	IMS-TEST	CHAIR												
104	1298	<b>Access Security for IP-multimedia servi</b>		No	WG SA3	IMS-ASEC	TSG												
105	1299	<b>Lawful interception</b>		No	WG SA3	IMS-LI	TSG												
106	1300	<b>RAN improvements and evolution of th</b>		No	TSG RAN	IMS-RAN	MCC												
107	1597	<b>(Copy1) Ensure reliable QoS for PS don</b>		No	WG SA2														
108	1303	<b>Charging and OAM&amp;P for IP-based mult</b>		No	WG SA5	IMS-OAM	MCC												
109	1598	<b>(Copy) AMR-WB</b>		No	WG SA4														
110	<b>1305</b>	<b>Roaming between IP multimedia and C</b>		<b>No</b>	<b>WG CN4</b>	<b>IMS-ONCS</b>	<b>MCC</b>												
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												

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117	1310	<b>Support of VHE/OSA by Rel4 network er</b>		No	WG CN5	IMS-ONOSA	TSG												
118	1732	<b>Number portability in IM subsystem</b>		No	WG CN4	IMS-MNP	MCC												
119	<b>2036</b>	<b>Multimedia codecs and protocols for cc</b>		<b>No</b>	<b>WG SA4</b>	<b>IMS-CODEC</b>	<b>TSG</b>												
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	<b>Transparent End-to-End PS mobile str</b>	Rel4	No	WG SA4	PSTREAM	TSG												
124	<b>1652</b>	<b>Emergency call enhancements</b>	<b>NA</b>	<b>Yes</b>	<b>WG CN1</b>	<b>EMC1</b>	<b>WG</b>												
125	<b>1653</b>	<b>For IP &amp; PS based calls</b>	<b>Rel5</b>	<b>No</b>	<b>WG CN1</b>	<b>EMC1-PS</b>	<b>TSG</b>												
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	<b>1654</b>	<b>For CS based calls</b>	<b>Rel4</b>	<b>No</b>	<b>WG CN1</b>	<b>EMC1-CS</b>	<b>TSG</b>												
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	<b>2224</b>	<b>Conformance Test Aspects - Emergenc</b>		<b>No</b>	<b>WG T1</b>														
138	2225	Testing Stage 3 for emergency calls and packe		No	WG T1														
139	2226	Testing CS based emergency calls		No	WG T1														
140	<b>1322</b>	<b>Enable bearer independent CS archite</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA2</b>	<b>CSSPLIT</b>	<b>TSG</b>												
141	<b>1323</b>	<b>Enable bearer-independent call control</b>		<b>No</b>	<b>WG CN4</b>	<b>CSSPLIT</b>	<b>WG</b>												
142	1516	Architecture and Stage 2 description on 23.002		No	WG SA2	CSSPLIT	MCC												
143	1325	Standardisation of protocols (control & user pl		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												

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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	<b>Lawful interception</b>		No	WG SA3	CSSPLIT	MCC												
150	1332	<b>Bearer Independence and codec contr</b>		No	WG SA4	CSSPLIT	MCC												
151	1918	<b>Start Testing</b>		No			MCC												
152	2052	<b>Conformance Test Aspects - Enable be</b>		No	WG T1	CSSPLIT-TEST	MCC												
153	1847	UE Conformance test spec., Bearer independe		No	WG T1	CSSPLIT-TEST	MCC												
154	1848	UE Conformance test spec., Bearer independe		No	WG T1	CSSPLIT-TEST	MCC												
155	1333	<b>CS multimedia services</b>	Rel4	No	WG SA2	CSM	MCC												
156	1338	<b>Stage 1</b>		No	WG SA1	CSM	MCC												
157	1339	<b>Stage 2 (has it to be handled? H.324 M</b>		No	WG SA2	CSM	MCC												
158	1655	<b>Circuit-switched multimedia swap and</b>		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	<b>Start Testing</b>		No															
163	2056	<b>Conformance Test Aspects - CS multim</b>		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	<b>Facsimile</b>	Rel4	No	WG SA1	FAX	TSG												
167	1341	<b>Real Time Fax</b>		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	<b>Start Testing</b>		No			MCC												
174	1851	<b>Conformance Test Aspects - Facsimile</b>		No	WG T1		MCC												

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175	1517	<b>Global Text Telephony</b>	Rel5	No	WG SA2	GTT	TSG												
176	1634	<b>Stage 1</b>		No	WG SA1	GTT	TSG												
177	1519	<b>Stage 2</b>		No	WG SA2	GTT	TSG												
178	1350	<b>Activation and transport</b>		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	<b>Interworking</b>		No	WG CN3	GTT-IW	MCC												
184	1809	<b>Terminal Aspects</b>		No	WG T2	GTT	TSG												
185	1357	<b>USIM Aspects</b>		No	WG T3	GTT	MCC												
186	2096	<b>GTT using CS multimedia telephony</b>		No	WG SA4	GTT	MCC												
187	1915	<b>Start Testing</b>		No		GTT													
188	1852	<b>Conformance Test Aspects - Global Tex</b>		No	WG T1	GTT	CHAIR												
189	1526	<b>Bearer Modification without pre-notific</b>	Rel4	No	WG SA1	BMWPN	TSG												
190	2223	<b>Testing Support of Bearer modification</b>		No	WG T1		CHAIR												
191	1635	<b>Stage 1</b>		No	WG SA1	BMWPN	MCC												
192	1359	<b>Service Modification without pre-notific</b>		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	<b>Bearer Modification because of radio c</b>		No	WG SA2	BMWPN	MCC												
198	1921	<b>Start Testing</b>		No		BMWPN-TEST	MCC												
199	2057	<b>Conformance Test Aspects</b>		No	WG T1	BMWPN-TEST	MCC												
200	1853	UE Conformance test spec. Bearer modificati		No	WG T1	BMWPN-TEST	MCC												
201	1857	UE Conformance test spec. Bearer modificati		No	WG T1	BMWPN-TEST	MCC												
202	1367	<b>VHE enhancements</b>	NA	Yes	WG SA1	VHE1	TSG												
203	1368	<b>Detailed definition of the VHE user prof</b>	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	<b>Extensions to existing (and possibly new)</b>	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	<b>Interaction between toolkits to enable I</b>	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	<b>Transparent roaming for services</b>	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	<b>OSA enhancements</b>	NA	Yes	WG SA1	OSA1	WG												
220	2120	<b>General Stage 2</b>		No	WG SA2	OSA1	WG												
221	1424	<b>Interactions OSA - e-commerce</b>	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	<b>OSA APIs for MuMa CC</b>	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	<b>OSA security (!)</b>	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	<b>Retrieval of Terminal capabilities</b>	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	Provisioning of the terminal capabilities		No	WG T2	OSA1-TC	MCC												
238	1786	<b>LCS - OSA interfaces (!)</b>		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	<b>Charging Management - All IP (CH-IP) (I</b>		No	WG SA5	OAM-CH-IP	WG												
243	1638	<b>CAMEL phase 4</b>	Rel5	No	WG SA1	CAMEL4	CHAIR												
244	1461	<b>Service requirements</b>		No	WG SA1	CAMEL4	MCC												
245	2011	<b>Charging notification to the CSE</b>		No	WG CN2	CAMEL4-CNCNE	CHAIR												
246	2012	<b>Call Party Handling</b>		No	WG CN2	CAMEL4-CPH	CHAIR												
247	2013	<b>Mid call procedure for MO and MT calls</b>		No	WG CN2	CAMEL4-MCP	CHAIR												
248	2014	<b>Interactions with Optimal Routing</b>		No	WG CN2	CAMEL4-IOR	CHAIR												
249	2015	<b>Inclusion of flexible tone injection</b>		No	WG CN2	CAMEL4-IFTI	CHAIR												
250	2016	<b>CSE control over MT SMS</b>		No	WG CN2	CAMEL4-CCSMS	CHAIR												
251	2017	<b>CAMEL applicability to media streams I</b>		No	WG CN2	CAMEL4-ONSTRM	CHAIR												
252	1445	<b>MExE enhancements</b>	NA	Yes	WG T2	MEXE1	TSG												
253	1447	<b>MExE Security</b>	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	<b>MExE Improvements and Investigations</b>	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												

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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	<b>1625</b>	<b>Wideband Telephony Service - AMR (I</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA4</b>	<b>AMRWB</b>	<b>TSG</b>												
266	<b>62</b>	<b>Specification</b>		<b>No</b>	<b>WG SA4</b>	<b>AMRWB</b>	<b>MCC</b>												
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	<b>67</b>	Codec issues		<b>No</b>	<b>WG SA4</b>	<b>AMRWB</b>	<b>MCC</b>												
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	<b>76</b>	Terminal Acoustic Characteristics		<b>No</b>	<b>WG SA4</b>	<b>AMRWB</b>	<b>MCC</b>												
278	1628	Definition		No	WG SA4	AMRWB	TSG												
279	1629	Test specification		No	WG SA4	AMRWB	TSG												
280	<b>889</b>	<b>Implementation</b>		<b>No</b>	<b>WG SA4</b>	<b>AMRWB</b>	<b>MCC</b>												
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	<b>1541</b>	<b>Transcoder-Free Operation</b>	<b>Rel4</b>	<b>No</b>	<b>WG CN4</b>	<b>TrFO</b>	<b>MCC</b>												
285	<b>112</b>	<b>OoBTC solution</b>		<b>No</b>	<b>WG CN4</b>	<b>TRFO-OoBTC</b>	<b>WG</b>												
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	<b>905</b>	<b>Speech Transcoder: Location and Cont</b>		<b>No</b>	<b>WG SA2</b>	<b>TRFO-STLC</b>	<b>WG</b>												
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	<b>1631</b>	<b>Tandem Free aspects for 3G and betwe</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA4</b>	<b>TFO</b>	<b>MCC</b>												
298	<b>1632</b>	<b>Tandem Free AMR</b>		<b>No</b>	<b>WG SA4</b>	<b>TFO-AMR</b>	<b>MCC</b>												
299	130	Specification		No	WG SA4	TFO-AMR	MCC												
300	<b>907</b>	Implementation		<b>No</b>	<b>TSG CN</b>	<b>TFO-AMR</b>	<b>MCC</b>												
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	<b>1818</b>	<b>Multimedia Messaging</b>	<b>Rel4</b>	<b>No</b>	<b>WG T2</b>	<b>MMS</b>	<b>TSG</b>												
305	136	Definition of service requirements		No	WG SA1	MMS	MCC												
306	1819	Review of definition of service requiren		No	WG T2		TSG												
307	<b>1820</b>	<b>Technical Realisation</b>		<b>No</b>	<b>WG T2</b>		<b>TSG</b>												
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	<b>1826</b>	<b>Terminal interfaces</b>	<b>NA</b>	<b>Yes</b>	<b>WG T2</b>	<b>TI</b>	<b>CHAIR</b>												
313	<b>1827</b>	<b>AT commands</b>	<b>Rel4</b>	<b>No</b>	<b>WG T2</b>	<b>TI-ATC</b>	<b>CHAIR</b>												
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	<b>1829</b>	<b>Wide Area Data Synchronisation</b>	<b>Rel5</b>	<b>No</b>	<b>WG T2</b>	<b>TI-WADS</b>	<b>CHAIR</b>												
319	1830	Continues evolution of Synchronisation protoc		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 sy		No	WG T1	TI-WADS	CHAIR												
322	1832	<b>Terminal local model</b>	Rel4	No	WG T2	TLM	TSG												
323	1536	<b>Location Services enhancements</b>	NA	Yes	WG SA2	LCS1	TSG												
324	1171	<b>Event based and Periodic LCS</b>	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	<b>LCS network management in UMTS</b>		No	WG SA5	LCS1-OAM													
329	521	<b>New security aspects of LCS (not identi</b>		No	WG SA3	LCS1-SEC													
330	523	<b>LCS support in the CS domain</b>	Rel4	No	WG SA2	LCS1-CS													
331	525	<b>LCS support in the PS domain</b>	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	<b>LCS interoperation stage 2 aspects</b>		No	WG SA2														
338	2229	<b>CBS interactions</b>	Rel4	No	WG T2	LCS1-CBS													
339	1916	<b>MExE interactions</b>	Rel4	No	WG T2	LCS1-MEXE													
340	1600	<b>UE positioning</b>	Rel4	No	TSG RAN	LCS1-UEpos	TSG												
341	1601	lub/lur interfaces for methods Rel 99		No	WG RAN3	LCS1-UEpos-lublur	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	<b>(Copy) LCS application interfaces (LCS-</b>		No	WG SA1														
345	1183	<b>FS on LCS support in the IM CN subsyst</b>		No	WG SA1		MCC												
346	2125	<b>Open LCS interfaces in UMTS and GER</b>	Rel5	No	WG SA2	LCS-INTF	WG												
347	2127	Stage 2		No	WG SA2														
348	2126	Stage 3		No															

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349	1542	<b>Ensure reliable QoS for PS domain (M</b>	Rel4	No	WG SA2	QoS SPS	MCC												
350	1543	<b>stage 2 for End-to-end QoS (re)negotiat</b>		No	WG SA2	QoS SPS	MCC												
351	1658	<b>stage 3 for End-to-end QoS (re)negotiat</b>		No	WG CN1	QoS SPS	MCC												
352	1545	GMM and SM aspects		No	WG CN1	QoS SPS	MCC												
353	1546	GTP aspects		No	WG CN4	QoS SPS	MCC												
354	1547	<b>Mapping of end to end QoS parameters</b>		No	WG SA2	QoS SPS-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 lu		No	WG RAN3	QoS SPS-MAPEND-R	TSG												
358	1991	RAB Quality of Service Negotiation over lu		No	WG RAN3	QoS SPS-MAPEND-R/	TSG												
359	1992	RAB Quality of Service Re-Negotiation ove		No	WG RAN3	QoS SPS-MAPEND-R/	TSG												
360	1685	<b>PS-domain handover for real-time serv</b>		No	WG RAN3	QoS SPS-PSdoRTS	TSG												
361	1550	<b>Interactions between external mechanis</b>		No	WG CN3		MCC												
362	1551	<b>Possible new code points in QoS IE fro</b>		No	WG CN1	QoS SPS-ENDEND-CPI	MCC												
363	1659	<b>Possible new code points in QoS IE for</b>		No	WG CN1	QoS SPS-ENDEND-CPI	MCC												
364	1660	<b>Mapping between the QoS UMTS point</b>		No	WG CN1	QoS SPS-ENDEND-CPI	MCC												
365	1552	<b>Charging Management (CH)</b>		No	WG SA5	QoS SPS-CH	MCC												
366	1624	<b>Security aspects</b>		No	WG SA3		MCC												
367	1619	<b>Application aspects, multi-mode aspect</b>		No	WG T2		WG												
368	1553	<b>GERAN QoS Aspects</b>		No	TSG GERAN		MCC												
369	1554	<b>Evolution of maximum SDU size</b>		No	WG SA2	QoS SPS-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	<b>Admission control function triggers</b>		No	WG RAN3	QoS SPS-AdmC	MCC												
373	1557	<b>QoS for CS services at HOs (inter-MS)</b>	Rel4	No	WG SA2	QoS SCS	MCC												
374	1558	<b>UTRAN aspects</b>		No	WG RAN2		MCC												
375	1559	<b>GERAN aspects</b>		No	TSG GERAN		MCC												
376	1560	<b>UICC/(U)SIM enhancements and interv</b>	NA	Yes	WG T3	UICC1	MCC												
377	1798	<b>FS on UICC/ME Performance Enhancem</b>		No	WG T3		TSG												

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378	1562	<b>UICC/USIM database specification</b>	Rel4	No	WG T3	UICC1-DataB	TSG												
379	1799	<b>Common PCN Handset Specification (C</b>	Rel4	No	WG T3	UICC1-CPHS	TSG												
380	1564	<b>report on SIM/USIM Interworking</b>		No	WG T3		TSG												
381	<b>1800</b>	<b>(U)SIM toolkit enhancements</b>	<b>NA</b>	<b>Yes</b>	<b>WG T3</b>	<b>USAT1</b>	<b>MCC</b>												
382	1566	<b>Enhancements to (U)SIM toolkit secure</b>	Rel4	No	WG T3	USAT1-SM	TSG												
383	1801	<b>Protocol Standardisation of a SIM Tool</b>	Rel4	No	WG T3		TSG												
384	2034	<b>USAT local link</b>	Rel4	No	WG T3	USAT1-LocLnk	TSG												
385	<b>1802</b>	<b>UICC API</b>	<b>NA</b>	<b>Yes</b>	<b>WG T3</b>	<b>USAT1-API</b>	<b>MCC</b>												
386	<b>2029</b>	Java API	<b>Rel4</b>	<b>No</b>	<b>WG T3</b>	<b>USAT1-API-JAVA</b>	<b>MCC</b>												
387	1803	Test specification		No	WG T3		TSG												
388	<b>2031</b>	Multos API	<b>Rel5</b>	<b>No</b>	<b>WG T3</b>	<b>USAT1-API-MULTO</b>	<b>TSG</b>												
389	2032	Specification		No	WG T3	USAT1-API-MULTO	TSG												
390	2033	Test specification		No	WG T3	USAT1-API-MULTO	TSG												
391	2100	<b>USIM Toolkit security</b>		No	WG SA3	USAT1-API-MULTO	TSG												
392	<b>1571</b>	<b>Security enhancements</b>	<b>NA</b>	<b>No</b>	<b>WG SA3</b>	<b>SEC1</b>	<b>TSG</b>												
393	2099	<b>UE triggered authentication during con</b>	Rel4	No	WG SA3	SEC1-UETADC	TSG												
394	1587	<b>Evolution of GSM CS algorithms (e.g. A</b>	Rel4	No	WG SA3	SEC1-CSALGO1	TSG												
395	<b>1588</b>	<b>Evolution of GSM PS algorithms (e.g. G</b>	<b>Rel4</b>	<b>No</b>	<b>WG SA3</b>	<b>SEC1-PSALGO1</b>	<b>TSG</b>												
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	<b>1572</b>	<b>Protection for user plane data</b>	<b>Rel5</b>	<b>Yes</b>	<b>WG SA3</b>	<b>SEC1-PUPD</b>	<b>TSG</b>												
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	<b>1576</b>	<b>Network domain security</b>		<b>Yes</b>	<b>WG SA3</b>	<b>SEC1-NDS</b>	<b>TSG</b>												
403	<b>1577</b>	<b>Control plane protection in core network (e.g., C</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA3</b>	<b>SEC1-NDS</b>	<b>MCC</b>												
404	1578	Main aspects		No	WG SA3	SEC1-NDS	MCC												
405	1579	Integration of GTP signalling security arch		No	WG CN4	SEC1-NDS	MCC												
406	<b>1580</b>	<b>User plane protection in core network (e.g., pr</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA3</b>	<b>SEC1-NDS</b>	<b>MCC</b>												

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






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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	<b>GERAN/UTRAN interface evolution 2 (C)</b>	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	<b>Low chip rate TDD interworking with G</b>	Rel4	No	WG GERAN1	GERAN-TDD	TSG												
445	1939	<b>Gb over IP</b>	Rel4	No	WG GERAN2		TSG												
446	1940	<b>Enhance cell reselections</b>	Rel4	No	WG GERAN2	GERAN_Celres	TSG												
447	1941	<b>GERAN radio interface evolution</b>	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 ser		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												

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465	2060	Start Testing		No		GERAN-IFEVOL													
466	1952	GERAN MS Conformance test for GERAN inter		No	/VG GERAN4	GERAN-IFEVOL	TSG												
467	1953	GERAN BTS Conformance test for GERAN inte		No	/VG GERAN3	GERAN-IFEVOL	TSG												
468	<b>1954</b>	<b>700 MHz spectrum support</b>	<b>Rel4</b>	<b>No</b>	<b>TSG GERAN</b>	<b>GERAN-700</b>	<b>TSG</b>												
469	1955	GERAN support for the 700 MHz band		No	/VG 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	<b>1959</b>	<b>Real Time QoS for PS including VoIP</b>	<b>Rel5</b>	<b>No</b>	<b>TSG GERAN</b>	<b>GERAN-QoS</b>	<b>TSG</b>												
475	1960	HOs: maintenance of real-time QoS while movi		No	/VG GERAN2	GERAN-QoS	TSG												
476	<b>1961</b>	<b>Wideband telephony services</b>	<b>Rel5</b>	<b>No</b>	<b>TSG GERAN</b>	<b>GERAN-WBAMR</b>	<b>TSG</b>												
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	<b>2159</b>	<b>Location service using GERAN</b>	<b>NA</b>	<b>Yes</b>	<b>TSG GERAN</b>	<b>GERAN-LCS</b>	<b>TSG</b>												
482	2160	LCS interoperability aspects to GERAN		No	TSG GERAN	GERAN-LCS	TSG												
483	<b>2161</b>	LCS for GERAN in A/Gb Mode	<b>Rel4</b>	<b>No</b>	<b>/VG GERAN2</b>	<b>GERAN-LCS</b>	<b>TSG</b>												
484	2162	GERAN LCS stage 2 (first release)		No	/VG GERAN2	GERAN-LCS	TSG												
485	2163	Gb interface support for LCS		No	/VG GERAN2	GERAN-LCS	TSG												
486	2164	A interface changes for LCS		No	/VG GERAN2	GERAN-LCS	TSG												
487	2165	Broadcast of LCS data on packet channel		No	/VG GERAN2	GERAN-LCS	TSG												
488	2166	RLC/MAC protocol support for LCS		No	/VG GERAN2	GERAN-LCS	TSG												
489	2167	L3 protocol support for LCS		No	/VG GERAN2	GERAN-LCS	TSG												
490	2168	Timing Advance based positioning on pack		No	/VG GERAN2	GERAN-LCS	TSG												
491	2169	Class A and DTM MS impact (I.e. Air-interf		No	/VG GERAN2	GERAN-LCS	TSG												
492	2170	Updates to existing protocols (RRLP, LLP, S		No	/VG GERAN2	GERAN-LCS	TSG												
493	2171	Ciphering of LCS in GPRS		No	/VG GERAN2	GERAN-LCS	TSG												

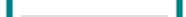
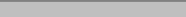

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494	2172	Lb interface support for LCS in GPRS		No	WG GERAN2	GERAN-LCS	TSG												
495	2173	Miscellaneous impacts from the new LCS		No	WG GERAN2	GERAN-LCS	TSG												
496	<b>2174</b>	LCS for GERAN in Iu Mode	<b>Rel5</b>	<b>No</b>	<b>WG GERAN2</b>	<b>GERAN-LCS</b>	<b>TSG</b>												
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 d		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	<b>Subscription Management</b>	Rel4	No	WG SA5	SM	TSG												
508	2071	<b>UTRAN Operations and Maintenance p</b>	Rel4	No	WG SA5	UOAM	TSG												
509	1993	<b>small Technical Enhancements and Im</b>	Rel4	No		TE4	MCC												
510	<b>2128</b>	<b>Mobile IPv6 in overlay of PS domain</b>	<b>Rel5</b>	<b>No</b>	<b>WG SA2</b>	<b>MIPv6</b>	<b>WG</b>												
511	2129	<b>Stage 2</b>		No	WG SA2	MIPv6	WG												
512	2130	<b>Stage 3</b>		No	WG CN1	MIPv6	S2												



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ID	Unique ID	Name	Release	Splittable	Resource Name	Acronym	Level of	2000		Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002	
								Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
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 str	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 betw	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 (M	Rel4	No	WG SA2	QoSPS	MCC																


ID	Unique ID	Name	Release	Splittable	Resource Name	Acronym	Level of	2000		Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001			Qtr 1, 2002	
								Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
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	Miscellaneous 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		TE4	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	Splittable	Resource Name	Acronym	Level of	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001	
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	Yes	TSG RAN	ETTRAN	TSG														
7	625	<b>IP transport in the UTRAN</b>	Rel4	No	WG RAN3	ETTRAN-IPtrans	TSG														
10	12	<b>QoS optimisation for AAL2 connections</b>	Rel4	No	WG RAN3	ETTRAN-QoSAAL2	TSG														
11	1995	<b>Migration to modification procedures</b>	Rel4	No	WG RAN3	ETTRAN-MigrMod	TSG														
24	1216	<b>Improvements of Radio Interface</b>	NA	Yes	TSG RAN	RInImp	TSG														
26	1471	<b>Base station classification</b>	Rel4	No	WG RAN4	RInImp-BSCClass	TSG														
30	1218	<b>Improved usage of downlink resource in</b>	Rel4	No	WG RAN2	RInImp-CCTrCH	TSG														
31	1507	<b>Terminal Power Saving features</b>	Rel4	No	WG RAN1	RInImp-TPS	TSG														
32	1509	<b>UTRA repeater specification (master)</b>	Rel4	No	WG RAN4	RInImp-REP	TSG														
33	1994	<b>DSCH power control improvement in sc</b>	Rel4	No	WG RAN1	RInImp-DSCHsho	TSG														
34	1996	<b>UMTS 1800</b>	Rel4	No	WG RAN4	RInImp-UMTS18	TSG														
47	1222	<b>Low Chip Rate TDD option</b>	Rel4	No	WG RAN1	LCRTDD	TSG														Start Test
59	9	<b>RAN improvements</b>	NA	Yes	TSG RAN	RANimp	TSG														Start Test
60	1466	<b>Smart antenna</b>	Rel4	No	WG RAN1	RANimp-SmartA	TSG														
61	656	<b>RRM optimization for lur and lub</b>	Rel4	No	WG RAN3	RANimp-RRMopt	TSG														
62	655	<b>Node B synchronisation for TDD</b>	Rel4	No	WG RAN1	RANimp-NBsync	TSG														
123	1539	<b>Transparent End-to-End PS mobile str</b>	Rel4	No	WG SA4	PSTREAM	TSG														
124	1652	<b>Emergency call enhancements</b>	NA	Yes	WG CN1	EMC1	WG														
133	1654	<b>For CS based calls</b>	Rel4	No	WG CN1	EMC1-CS	TSG														
140	1322	<b>Enable bearer independent CS archite</b>	Rel4	No	WG SA2	CSSPLIT	TSG														Start Test
155	1333	<b>CS multimedia services</b>	Rel4	No	WG SA2	CSM	MCC														Start Test
166	1340	<b>Facsimile</b>	Rel4	No	WG SA1	FAX	TSG														Start Testing
189	1526	<b>Bearer Modification without pre-notific</b>	Rel4	No	WG SA1	BMWPN	TSG														Start Test
219	1637	<b>OSA enhancements</b>	NA	Yes	WG SA1	OSA1	WG														
221	1424	<b>Interactions OSA - e-commerce</b>	Rel4	No	WG SA2	OSA1-ECOM	WG														
252	1445	<b>MExE enhancements</b>	NA	Yes	WG T2	MEXE1	TSG														
253	1447	<b>MExE Security</b>	Rel4	No	WG SA3	MEXE1-SEC	TSG														
256	1810	<b>MExE Improvements and Investigations</b>	Rel4	No	WG T2	MEXE1-ENHANC	TSG														
265	1625	<b>Wideband Telephony Service - AMR (I</b>	Rel4	No	WG SA4	AMRWB	TSG														Start Testing

ID	Unique ID	Name	Release	Splittable	Resource Name	Acronym	Level of	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001	
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
284	1541	<b>Transcoder-Free Operation</b>	Rel4	No	WG CN4	TrFO	MCC														
297	1631	<b>Tandem Free aspects for 3G and betw</b>	Rel4	No	WG SA4	TFO	MCC														
304	1818	<b>Multimedia Messaging</b>	Rel4	No	WG T2	MMS	TSG														
312	1826	<b>Terminal interfaces</b>	NA	Yes	WG T2	TI	CHAIR														
313	1827	<b>AT commands</b>	Rel4	No	WG T2	TI-ATC	CHAIR														
322	1832	<b>Terminal local model</b>	Rel4	No	WG T2	TLM	TSG														
323	1536	<b>Location Services enhancements</b>	NA	Yes	WG SA2	LCS1	TSG														
330	523	<b>LCS support in the CS domain</b>	Rel4	No	WG SA2	LCS1-CS															
331	525	<b>LCS support in the PS domain</b>	Rel4	No	WG SA2	LCS1-PS															
338	2229	<b>CBS interactions</b>	Rel4	No	WG T2	LCS1-CBS															
339	1916	<b>MExE interactions</b>	Rel4	No	WG T2	LCS1-MEXE															
340	1600	<b>UE positioning</b>	Rel4	No	TSG RAN	LCS1-UEpos	TSG														
349	1542	<b>Ensure reliable QoS for PS domain (M</b>	Rel4	No	WG SA2	QoSPS	MCC														
373	1557	<b>QoS for CS services at HOs (inter-MS</b>	Rel4	No	WG SA2	QoSCS	MCC														
376	1560	<b>UICC/(U)SIM enhancements and interv</b>	NA	Yes	WG T3	UICC1	MCC														
378	1562	<b>UICC/USIM database specification</b>	Rel4	No	WG T3	UICC1-DataB	TSG														
379	1799	<b>Common PCN Handset Specification (C</b>	Rel4	No	WG T3	UICC1-CPHS	TSG														
381	1800	<b>(U)SIM toolkit enhancements</b>	NA	Yes	WG T3	USAT1	MCC														
382	1566	<b>Enhancements to (U)SIM toolkit secure</b>	Rel4	No	WG T3	USAT1-SM	TSG														
383	1801	<b>Protocol Standardisation of a SIM Tool</b>	Rel4	No	WG T3		TSG														
384	2034	<b>USAT local link</b>	Rel4	No	WG T3	USAT1-LocLnk	TSG														
385	1802	<b>UICC API</b>	NA	Yes	WG T3	USAT1-API	MCC														
386	2029	<b>Java API</b>	Rel4	No	WG T3	USAT1-API-JAV	MCC														
392	1571	<b>Security enhancements</b>	NA	No	WG SA3	SEC1	TSG														
393	2099	<b>UE triggered authentication during con</b>	Rel4	No	WG SA3	SEC1-UETADC	TSG														
394	1587	<b>Evolution of GSM CS algorithms (e.g. A</b>	Rel4	No	WG SA3	SEC1-CSALGO1	TSG														
395	1588	<b>Evolution of GSM PS algorithms (e.g. G</b>	Rel4	No	WG SA3	SEC1-PSALGO1	TSG														
410	1583	<b>MAP application layer security</b>	Rel4	No	WG SA3	SEC1-MAPAL	TSG														
414	1594	<b>Visibility and Configurability of security</b>	Rel4	No	WG SA3	SEC1-VCS	TSG														


ID	Unique ID	Name	Release	Splittable	Resource Name	Acronym	Level of	Qtr 2, 2000			Qtr 3, 2000			Qtr 4, 2000			Qtr 1, 2001			Qtr 2, 2001		
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
433	1924	<b>GERAN definition</b>	NA	Yes	TSG GERAN	GERAN	TSG															
444	1987	<b>Low chip rate TDD interworking with G</b>	Rel4	No	WG GERAN1	GERAN-TDD	TSG															
445	1939	<b>Gb over IP</b>	Rel4	No	WG GERAN2		TSG															
446	1940	<b>Enhance cell reselections</b>	Rel4	No	WG GERAN2	GERAN_Celres	TSG															
468	1954	<b>700 MHz spectrum support</b>	Rel4	No	TSG GERAN	GERAN-700	TSG															
481	2159	<b>Location service using GERAN</b>	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	<b>Subscription Management</b>	Rel4	No	WG SA5	SM	TSG															
508	2071	<b>UTRAN Operations and Maintenance p</b>	Rel4	No	WG SA5	UOAM	TSG															
509	1993	<b>small Technical Enhancements and Im</b>	Rel4	No		TE4	MCC															

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


ID	Unique ID	Name	Release	Splittable	Resource Name	Acronym	Level of	2000		Qtr 1, 2001			Qtr 2, 2001			Qtr 3, 2001			Qtr 4, 2001	
								Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
381	1800	<b>(U)SIM toolkit enhancements</b>	NA	Yes	WG T3	USAT1	MCC													
385	1802	<b>UICC API</b>	NA	Yes	WG T3	USAT1-API	MCC													
388	2031	Multos API	Rel5	No	WG T3	USAT1-API-MUL	TSG													
392	1571	<b>Security enhancements</b>	NA	No	WG SA3	SEC1	TSG													
399	1572	<b>Protection for user plane data</b>	Rel5	Yes	WG SA3	SEC1-PUPD	TSG													
402	1576	<b>Network domain security</b>		Yes	WG SA3	SEC1-NDS	TSG													
403	1577	Control plane protection in core network (e.g., C	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													
415	1595	<b>FIGS</b>	Rel5	No	WG SA3	SEC1-FIGS	MCC													
433	1924	<b>GERAN definition</b>	NA	Yes	TSG GERAN	GERAN	TSG													
434	1927	<b>GERAN/UTRAN interface evolution 1 (P</b>	NA	Yes	TSG GERAN	GERAN-PS	TSG													
435	1929	Evolution of Iu ps	Rel5	No	WG GERAN2	GERAN-PS	TSG													
438	2193	<b>GERAN/UTRAN interface evolution 2 (C</b>	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	<b>GERAN radio interface evolution</b>	Rel5	No	TSG GERAN	GERAN-IFEVOL	TSG													
474	1959	<b>Real Time QoS for PS including VoIP</b>	Rel5	No	TSG GERAN	GERAN-QoS	TSG													
476	1961	<b>Wideband telephony services</b>	Rel5	No	TSG GERAN	GERAN-WBAMR	TSG													
481	2159	<b>Location service using GERAN</b>	NA	Yes	TSG GERAN	GERAN-LCS	TSG													
496	2174	LCS for GERAN in Iu Mode	Rel5	No	WG GERAN2	GERAN-LCS	TSG													
510	2128	<b>Mobile IPv6 in overlay of PS domain</b>	Rel5	No	WG SA2	MIPv6	WG													

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								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
6	2	<b>Evolutions of the transport in the UTRAN</b>	NA	Yes	TSG RAN	ETRAN	TSG																		
7	625	<b>IP transport in the UTRAN</b>	Rel4	No	WG RAN3	ETRAN-IPtrans	TSG																		
8	624	<b>RAB support enhancement - no ROHC</b>	Rel5	No	WG RAN2	ETRAN-RABSE	TSG																		
10	12	<b>QoS optimisation for AAL2 connections</b>	Rel4	No	WG RAN3	ETRAN-QoSAAL2	TSG																		
11	1995	<b>Migration to modification procedures</b>	Rel4	No	WG RAN3	ETRAN-MigrMod	TSG																		
15	4	<b>Evolutions of the transport in the CN</b>	NA	Yes	WG CN4	CNTRSP	MCC																		
16	859	<b>IP Transport of CN protocols (e.g., CAP, SIP)</b>	Rel5	No	WG CN4	IPinCN	MCC																		
24	1216	<b>Improvements of Radio Interface</b>	NA	Yes	TSG RAN	RInImp	TSG																		
25	1470	<b>Improvement of inter-frequency and inter-system handovers</b>	Rel5	No	WG RAN1	RInImp-IfISM	TSG																		
26	1471	<b>Base station classification</b>	Rel4	No	WG RAN4	RInImp-BSCClass	TSG																		
29	1217	<b>Hybrid ARQ II/III</b>	Rel5	No	WG RAN2	RInImp-HARQ	TSG																		
30	1218	<b>Improved usage of downlink resource in UTRAN</b>	Rel4	No	WG RAN2	RInImp-CCTrCH	TSG																		
31	1507	<b>Terminal Power Saving features</b>	Rel4	No	WG RAN1	RInImp-TPS	TSG																		
32	1509	<b>UTRA repeater specification (master)</b>	Rel4	No	WG RAN4	RInImp-REP	TSG																		
33	1994	<b>DSCH power control improvement in sc-FDMA</b>	Rel4	No	WG RAN1	RInImp-DSCHsho	TSG																		
34	1996	<b>UMTS 1800</b>	Rel4	No	WG RAN4	RInImp-UMTS18	TSG																		
47	1222	<b>Low Chip Rate TDD option</b>	Rel4	No	WG RAN1	LCRTDD	TSG																		
59	9	<b>RAN improvements</b>	NA	Yes	TSG RAN	RANimp	TSG																		
60	1466	<b>Smart antenna</b>	Rel4	No	WG RAN1	RANimp-SmartA	TSG																		
61	656	<b>RRM optimization for Iur and Iub</b>	Rel4	No	WG RAN3	RANimp-RRMopt	TSG																		
62	655	<b>Node B synchronisation for TDD</b>	Rel4	No	WG RAN1	RANimp-NBsync	TSG																		
63	1680	<b>Header compression removal/stripping</b>	Rel5	No	TSG RAN		CHAIR																		
64	1686	<b>Unequal error protection in PS domain</b>	Rel5	No	TSG RAN		CHAIR																		
70	1273	<b>Provisioning of IP-based multimedia services</b>	Rel5	No	WG SA1	IMS	TSG																		
123	1539	<b>Transparent End-to-End PS mobile streaming</b>	Rel4	No	WG SA4	PSTREAM	TSG																		
124	1652	<b>Emergency call enhancements</b>	NA	Yes	WG CN1	EMC1	WG																		
125	1653	<b>For IP &amp; PS based calls</b>	Rel5	No	WG CN1	EMC1-PS	TSG																		
133	1654	<b>For CS based calls</b>	Rel4	No	WG CN1	EMC1-CS	TSG																		
140	1322	<b>Enable bearer independent CS architecture</b>	Rel4	No	WG SA2	CSSPLIT	TSG																		




ID	Unique ID	Name	Release	Splittable	Resource Name	Acronym	Level of	Q3, 2000		Q4, 2000			Q1, 2001			Q2, 2001			Q3, 2001			Q4, 2001		Q1, 2002	
								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
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 GERAN	Rel5	No	WG SA2	LCS-INTF	WG																		
349	1542	Ensure reliable QoS for PS domain (MCC)	Rel4	No	WG SA2	QoSPS	MCC																		
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																		
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																		
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 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																		
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., C	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																		
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	Splittable	Resource Name	Acronym	Level of	Q3, 2000		Q4, 2000			Q1, 2001			Q2, 2001			Q3, 2001			Q4, 2001			Q1, 2002	
								Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
434	1927	<b>GERAN/UTRAN interface evolution 1 (PS)</b>	NA	Yes	TSG GERAN	GERAN-PS	TSG	←		→																
435	1929	Evolution of Iu-PS	Rel5	No	WG GERAN2	GERAN-PS	TSG	←		→																
438	2193	<b>GERAN/UTRAN interface evolution 2 (CS)</b>	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	<b>Low chip rate TDD interworking with GPRS</b>	Rel4	No	WG GERAN1	GERAN-TDD	TSG	←		→																
445	1939	<b>Gb over IP</b>	Rel4	No	WG GERAN2		TSG	←		→																
446	1940	<b>Enhance cell reselections</b>	Rel4	No	WG GERAN2	GERAN_Celres	TSG	←		→																
447	1941	<b>GERAN radio interface evolution</b>	Rel5	No	TSG GERAN	GERAN-IFEVOL	TSG	←		→			→			Start Testing										
468	1954	<b>700 MHz spectrum support</b>	Rel4	No	TSG GERAN	GERAN-700	TSG	←		→			Start Testing													
474	1959	<b>Real Time QoS for PS including VoIP</b>	Rel5	No	TSG GERAN	GERAN-QoS	TSG	←		→																
476	1961	<b>Wideband telephony services</b>	Rel5	No	TSG GERAN	GERAN-WBAMR	TSG	←		→			→			Start Testing										
481	2159	<b>Location service using GERAN</b>	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	<b>Subscription Management</b>	Rel4	No	WG SA5	SM	TSG	←		→																
508	2071	<b>UTRAN Operations and Maintenance procedures</b>	Rel4	No	WG SA5	UOAM	TSG	←		→																
509	1993	<b>small Technical Enhancements and Improvements</b>	Rel4	No		TE4	MCC	←		→																
510	2128	<b>Mobile IPv6 in overlay of PS domain</b>	Rel5	No	WG SA2	MIPv6	WG			→			→			→			→							

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Date: Thu 07/12/00

Task 

Task Progress 


Critical Task 

Critical Task Progress 

Milestone 


Summary 

Rolled Up Task 

Rolled Up Critical Task 

Rolled Up Milestone 

Rolled Up Progress 

Split 

External Tasks 

Project Summary 

Summary Progress 