

# 3GPP Work Plan – Cover page

Version 2004, June 8<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 specific line, contact the MCC support for the WG or TSG responsible of the given task (to know who at MCC is responsible of a given WG or TSG, look at: [http://www.3gpp.org/About\\_3GPP/structure.htm](http://www.3gpp.org/About_3GPP/structure.htm) ).  
 For comment on a Feature, contact the feature’s responsible MCC support.  
 For general comments, contact the Work Plan manager at: [alain.sultan@etsi.org](mailto:alain.sultan@etsi.org) , mentioning in the e-mail subject “General comment on the Work Plan”.

## Specific comments for this version

### ***Main changes between versions 14 April and 8 June 2004***

Introduction of the “Early” field, as agreed during the discussion of SP-040235 at SA#24, showing the ability for an “early implementation” of a feature, as defined in SP-040235.

Inputs have been received from the following WGs:  
 SA1, SA2, T2, CN1, CN3, CN4, CN5, GERAN

The following tasks containing “DELETE” in their title have been deleted compared to previous version:

ID	Unique ID	Name	Release	Resou	Modifi	2002		Qtr 3, 2002			Qtr 1, 2003		
						Mar	May	Jul	Sep	Nov	Jan	Mar	May
38	9	<a href="#">RAN improvements</a>	Rel-6	RP	No								
43	23005	<b>DELETE: Improvement of RRM across RNS and RNS/BSS</b>	Rel-6	R3	No								
279	31029	<b>DELETE: Study of Feature Interactions Requirements</b>	Rel-6	S1	No								

### ***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](http://www.3gpp.org/About_3GPP/3gpp_wp.zip).

The Work Plan is provided in the form of a Gantt chart: the left part contains the names and attributes of the Work Items, the right part contains a calendar view reflecting the work progress (blue and grey lines apply to foreseen tasks, black lines for completed tasks).

The indentation of WI names reflects the hierarchical level in the tree structure (Features, Building Blocks, and Work Tasks).

A "Tracking Gantt" is used. This means that below each Gantt line (horizontal blue line in the right part of the document), there is a thin horizontal black line showing the previously foreseen start and end dates. This enables tracking the slipping of dates. This is reset after each plenary.

### **Attributes applicable to a WI**

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

1. Unique ID
2. Name
3. Release (based on the completion date). It applies to non-splitable features. If the feature is splitable, it applies to each individual Building Block composing the feature, provided that the Building Blocks are non-splitable. It does not apply to Feasibility Studies, Testing nor Charging Activities.
4. Splitable: defines whether the WI has to be considered as a single block or if it can be realised onto different releases
5. Acronym
6. Resource name: defines the responsible WG or TSG
7. Modified (see next section)
8. Modified since last TSG (see next section)
9. Start
10. Finish
11. % completed
12. Impacted TS and TR
13. Approval Level: MCC<CHAIR<WG<TSG. Each level can delete the proposal from the levels below. Only TSG Approved Wis are officially approved. All the other Wis are proposals, more or less stable according to the approval level.
14. Last modif, containing the date of the last modification. Note: this field has been recently added. The value has been initialised to April, 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 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
- Early (defines whether the WI is subject to early implementation, as defined in SP-040235)
- Acronym
- Resource name (defines the responsible WG or TSG)
- Finish date

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

- % completed
- Impacted TS and TR
- Level of Approval (not yet approved<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
- last modif: provides the date of the latest modification of the WI.

## **History**

This section is reset after each plenary meeting.

ID	UID	Task Name	Lev	Release	Early	Resp	Acronym	Start	Fin
1	2044	<b>VERSION 2004 June 8th</b>	1	Rel	No			03/01/2000	03
2	1462	<b>"CTRL + a" to display all the 3GPP fields</b>	1		No			03/01/2000	03
3	2058	<b>Content of Rel-6 and after. Not frozen.</b>	1	Rel	No			03/01/2000	03
4									
5	2	<b>Evolutions of the transport in the UTRAN</b>	1	NA	No	RP	ETRAN	03/03/2003	31
6	1216	<b>Improvements of Radio Interface</b>	1	Rel-6	No	RP	RInImp	14/08/2000	15
7	1470	<b>Improvement of inter-frequency and inter-system measurement</b>	2	Rel-6	No	R1	RInImp-IfIsM	01/01/2001	15
8	24006	<b>Improving Receiver Performance Requirements for the FDD UE</b>	2	Rel-6	No	R4	RInImp-UERecPerf	08/03/2002	19
9	24004	<b>Base station classification</b>	2	Rel-6	No	R4	RInImp-BSClass	14/08/2000	04
10	1476	FDD Base station classification	3	Rel-6	No	R4	RInImp-BSClass-FDD	14/08/2000	04
11	24007	<b>UMTS-850</b>	2	Rel-6	No	R4	RInImp-UMTS850	06/12/2002	12
12	24009	<b>DS-CDMA introduction in the 800 MHz band</b>	2	Rel-6	No	R4	RInImp-UMTS800	14/03/2003	12
13	24010	<b>UMTS 1.7/2.1 GHz</b>	2	Rel-6	No	R4	RInImp-UMTS1721	14/03/2003	12
14	24013	<b>Improved Receiver Performance Requirements for HSDPA</b>	2	Rel-6	No	R4	RInImp-HSPerf	15/12/2003	14
15	24014	Performance Requirements of Receive Diversity for HSDPA	3	Rel-6	No	R4	RInImp-HSPerf-RxDiv	15/12/2003	14
16	3	<b>RAN Feasibility Studies</b>	1	Rel-6	No	RP		14/08/2000	15
17	1506	<b>FS on Radio link performance enhancements</b>	2	Rel-6	No	R1	RInImp-Rlperf	14/08/2000	15

18	24001	<b>FS on UTRA WideBand Distribution Systems</b>	2	Rel-6	No	R4	RInImp-WDS	12/03/2001	15
19	21000	<b>FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD</b>	2	Rel-6	No	R1	RInImp-IfIsMLCR	14/12/2001	19
20	21003	<b>FS for the analysis of OFDM for UTRAN enhancement</b>	2	Rel-6	No	R1	RInImp-FSOFDm	10/06/2002	14
21	21004	<b>FS on Uplink Enhancements for Dedicated Transport Channels</b>	2	Rel-6	No	R1	RInImp-FSUpDTrCh	06/09/2002	12
22	21005	<b>FS on Analysis on Higher Chip Rates for UTRA TDD evolutions</b>	2	Rel-6	No	R1	RInImp-FSVHCRTDD	06/09/2002	14
23	24011	<b>FS on Low Output Powers for general purpose FDD BSs</b>	2	Rel-6	No	R3	RInImp-FSLoPw	13/06/2003	12
24	21007	<b>FS on Uplink enhancements for UTRA TDD</b>	2	Rel-6	No	R1	RInImp-FSUpEnhTDD	06/06/2003	14
25	24005	<b>FS on UE antenna efficiency test methods performance requirements (2)</b>	2	Rel-6	No	R4	RInImp-UEAnTM2	08/03/2002	06
26	23006	<b>FS on the evolution of the UTRAN architecture</b>	2	Rel-6	No	R3	RANimp-FSEvo	09/09/2002	15
27	2468	<b>Multiple Input Multiple Output antennas (MIMO)</b>	1	Rel-6	No	R1	MIMO	14/03/2003	15
28	21006	<b>MIMO - Physical layer</b>	2	Rel-6	No	R1	MIMO-Phys	12/09/2003	15
29	22003	<b>MIMO - Layer 2,3 aspects</b>	2	Rel-6	No	R2	MIMO-L23	12/09/2003	15
30	23008	<b>MIMO - Iub/Iur Protocol Aspects</b>	2	Rel-6	No	R3	MIMO-IurIub	14/03/2003	15
31	24008	<b>MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing</b>	2	Rel-6	No	R4	MIMO-RF	12/12/2003	15
32	20003	<b>FDD Enhanced Uplink</b>	1		No	RP	EDCH	15/03/2004	15
33	20004	<b>EDCH - Stage 2</b>	2		No	R2	EDCH-Stage2	15/03/2004	15
34	20005	<b>EDCH - Physical Layer</b>	2		No	R1	EDCH-Phys	15/03/2004	15

35	20006	<b>EDCH - Layer 2 and 3 Protocol Aspects</b>	2		No	R2	EDCH-L23	15/03/2004	15
36	20007	<b>EDCH - UTRAN Iub/Iur Protocol Aspects</b>	2		No	R3	EDCH-IurIub	15/03/2004	15
37	20008	<b>EDCH - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing</b>	2		No	R4	EDCH-RF	15/03/2004	15
38	9	<b>RAN improvements</b>	1	Rel-6	No	RP	RANimp	09/09/2002	15
39	624	<b>RAB support enhancement</b>	2	Rel-6	No	R2	RANimp-RABSE	14/03/2003	15
40	23009	Iu enhancements for IMS support in RAN	3	Rel-6	No	R3	RANimp-RABSE-IuEnhIMS	14/03/2003	15
41	21008	Optimisation of downlink channelisation code utilisation	3		No	R1	RANimp-RABSE-CodeOptFDD	12/03/2004	15
42	21009	Optimisation of channelisation code utilisation for TDD	3		No	R1	RANimp-RABSE-CodeOptTDD	15/03/2004	15
43	20999	<b>Beamforming Enhancements</b>	2	Rel-6	No	R1	RANimp-BFE	19/09/2003	19
44	23012	<b>Rel6 RRM optimization for Iur and Iub</b>	2	Rel-6	No	R3	RANimp-RRMopt	19/09/2003	12

45	23014	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	3	Rel-6	No	R3	RANimp-RRMopt-UEMsD	19/09/2003	12
46	23010	<b>Remote Control of Electrical Tilting Antennas</b>	2	Rel-6	No	R3	RANimp-TiltAnt	14/03/2003	16
47	23015	RAN aspects	3	Rel-6	No	R3	RANimp-TiltAnt	14/03/2003	15
48	35023	OAM&P impacts	3	Rel-6	No	S5	RANimp-TiltAnt-OAM	27/02/2004	16
49	23011	<b>Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects</b>	2	Rel-6	No	R3	RANimp-NACC	09/09/2002	15
50	23007	<b>FS of the improved access to UE measurement data for CRNC to support TDD RRM</b>	2	Rel-6	No	R3	RANimp-RRMopt-FSUEMsD	06/12/2002	18
51	32045	<b>PS domain and IMS impacts for supporting IMS Emergency calls</b>	1	Rel-7	No	S2	EMC1	14/08/2000	03
52	1314	<b>Service Requirements for IP-based emergency calls</b>	2	Rel-7	No	S1		18/09/2000	25
53	32046	<b>Stage 2</b>	2	Rel-7	No	S2		26/02/2003	15
54	1653	<b>Emergency Call Enhancements for IP&amp; PS Based Calls – stage 3</b>	2	Rel-7	No	N1		14/08/2000	03
55	1315	SIP emergency calls and packet emergency calls signalling flows	3	Rel-7	No	N1		17/10/2000	03
56	1646	Stage 3 for emergency calls and packet emergency calls in general	3	Rel-7	No	N1		14/08/2000	03
57	32023	<b>Location Services enhancements 2</b>	1	Rel-6	No	S2	LCS2	28/08/2000	29
58	32024	<b>Improvement on Le interface</b>	2	Rel-6	No	S2		17/06/2002	29
59	32051	Stage 2	3	Rel-6	No	S2		17/06/2002	22
60	32053	Stage 3 - impacts MLP (Mobile Location Protocol)	3	Rel-6	No	OMA		10/07/2003	29
61	32001	<b>Enhanced support for anonymity and user privacy</b>	2	Rel-6	No	S2		08/07/2002	29

62	32047	Stage 2	3	Rel-6	No	S2		08/07/2002	27
63	32054	Stage 3 - impacts MLP and RLP	3	Rel-6	No	OMA		10/07/2003	29
64	32025	<b>Enhanced inter-GMLC interface</b>	2	Rel-6	No	S2		24/06/2002	29
65	32048	Stage 2	3	Rel-6	No	S2		24/06/2002	05
66	32055	Stage 3 - definition of RLP and PCP	3	Rel-6	No	OMA		02/09/2002	29
67	32012	<b>Location Services support for IMS public identities</b>	2	Rel-6	No	S2		02/09/2002	29
68	32049	Stage 2	3	Rel-6	No	S2		24/02/2003	23
69	32056	Stage 3 - impacts MLP, RLP and PCP	3	Rel-6	No	OMA		02/09/2002	29
70	32026	<b>New area event for location service triggering reports</b>	2	Rel-6	No	S2		03/06/2002	29
71	32050	Stage 2	3	Rel-6	No	S2		03/06/2002	27
72	14015	Stage 3 for UE-CN signalling	3	Rel-6	No	N4		09/10/2003	31
73	32057	Stage 3 - impacts MLP, RLP and PCP	3	Rel-6	No	OMA		14/07/2003	29
74	32029	<b>FS on applicability of GALILEO for LCS</b>	2	Rel-6	No	S2		08/07/2002	30
75	32058	TR on Stage 2 (No contributions received, No feedback from other groups since May)	3	Rel-6	No	S2		08/07/2002	30
76	50095	GERAN review of the TR	3	Rel-6	No	GP		25/08/2003	06
77	20001	<b>UE positioning</b>	2	Rel-6	No	RP	LCS2-UEPos	28/08/2000	15
78	2457	UE positioning enhancements - other methods	3	Rel-6	No	R2	LCS2-UEPos-enh	28/08/2000	26
79	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	3	Rel-6	No	R2	LCS-Rel4Pos	15/01/2001	19
80	24012	A-GPS minimum performance specification	3	Rel-6	No	R4	LCS-UEPos-AGPSPerf	06/06/2003	15
81	22002	FS on Enhancements to OTDOA Positioning using advanced blanking methods	3	Rel-6	No	R2	LCS2-UEPos-FSBlank	01/07/2002	19
82	1571	<b>Security enhancements</b>	1	Rel-6	No	S3	SEC1	03/01/2001	18
83	2026	<b>Enhanced HE control of security (including</b>	2	Rel-6	No	S3		03/01/2001	25



		<b>positive authentication reporting)</b>							
84	2027	Stage 2	3	Rel-6	No	S3		03/01/2001	14
85	33006	Network domain security	3	Rel-6	No	S3	SEC1-NDS	17/06/2002	25
86	33007	IP network layer security (NDS/IP)	4	Rel-6	No	S3	SEC1-NDS-IP	17/06/2002	25
87	33017	<b>Network Domain Security; Authentication Framework (NDS/AF)</b>	2	Rel-6	No	S3	SEC1-NDS-AF	15/02/2002	13
88	33019	<b>Key Management of group keys for Voice Group Call Services</b>	2	Rel-6	No	S3	SECGKYV	26/09/2003	18
89	32021	<b>IMS Phase 2</b>	1	Rel-6	No	S1	IMS2	28/08/2000	30
90	32027	<b>DELETE (covered below) - Stage 2 of IMS Phase 2</b>	2	Rel-6	No	S2		02/09/2002	19
91	14014	<b>Enhancements to the Cx and Sh interfaces</b>	2	Rel-6	No	N4	IMS2-CCR	06/06/2003	31
92	31025	<b>IMS Group Management</b>	2	Rel-6	No	S1	IMSGM	14/03/2002	08
93	31026	Stage 1 - TS on IMS group management	3	Rel-6	No	S1		14/03/2002	09
94	32036	Stage 2	3	Rel-6	No	S2		26/05/2003	31

95	11036	Stage 3 for IMS Group management (e.g. chat)	3		No	N1		13/12/2002	08
96	11037	<b>IMS Conferencing</b>	2	Rel-6	No	N1		04/11/2002	08
97	32037	Stage 2	3	Rel-6	No	S2		04/11/2002	31
98	32038	Stage 3	3		No	N1		13/12/2002	08
99	31022	<b>IMS Messaging</b>	2	Rel-6	No	S1	IMSM	14/03/2002	08
100	31023	TR on support of messaging in the IMS	3	Rel-6	No	S1	IMSM-TR	14/03/2002	09
101	31034	Stage 1 22.340	3	Rel-6	No	S1	IMSM-TS	11/11/2002	11
102	31033	CRs to 22.140 & 22.228	3	Rel-6	No	S1	IMSM-CR	14/03/2002	17
103	32700	Stage 2	3	Rel-6	No	S2		04/11/2002	31
104	11039	Stage 3 for IMS Messaging	3		No	N1		13/12/2002	08
105	60001	SIP/SIMPLE Instant messaging	3	Rel-6	No	OMA		01/01/2004	30
106	32005	<b>IMS Local services</b>	2	Rel-6	No	S2		01/01/2001	04
107	32019	Stage 2	3	Rel-6	No	S2		01/01/2001	29
108	11035	Stage 3 for IMS Local services	3		No	N1		13/12/2002	04
109	11040	<b>Additional SIP Capabilities support not covered by Rel-5</b>	2	Rel-6	No	N1		11/11/2002	08
110	32041	Stage 2 for add SIP cap (e.g. forking)	3	Rel-6	No	S2		11/11/2002	20
111	32042	Stage 3 for Additional SIP Capabilities	3		No	N1		13/12/2002	08
112	11041	<b>Review additional SIP Capabilities against IMS</b>	2		No	N1		13/12/2002	12
113	2048	<b>Interworking between IMS and IP networks</b>	2	Rel-6	No	N3	IMS-CCR-IWIP	28/08/2000	10
114	13004	Interworking for 3GPP_SIP and IETF_SIP	3	Rel-6	No	N3		28/08/2000	13
115	13005	Interworking for IPv6 to IPv4	3	Rel-6	No	N3		28/08/2000	10
116	11044	Interworking for IPv6 to IPv4 (SIP / SDP aspects)	3	Rel-6	No	N1		11/05/2004	08
117	11017	stage 3 of interworking with non-IMS IP networks	3	Rel-6	No	N1		14/03/2001	08
118	2047	<b>Interworking between IMS and CS networks</b>	2	Rel-6	No	N3	IMS-CCR-IWCS	28/08/2000	18

119	14001	<b>Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)</b>	2	Rel-6	No	N4	IMS-CCR-Mn	07/08/2001	01
120	14012	<b>Mp (MRFC - MRFP) interface (CN4 Part)</b>	2	Rel-6	No	N4	IMS-CCR-Mp	13/12/2002	30
121	31036	<b>Study of subscriber and operators relationship in IMS and related ISIM requirements for Rel 6”</b>	2	Rel-6	No	S1		15/11/2002	12
122	33012	<b>Lawful Interception in the 3GPP Rel-6 architecture</b>	2	Rel-6	No	S3	SEC1-LI	09/12/2002	18
123	31042	<b>IMS Subscription and access scenarios</b>	2	Rel-6	No	S1		16/12/2002	13
124	32063	<b>3GPP Enablers for services like Push to Talk over Cellular (PoC)</b>	1	R6/R7?	No	S2	PoC	08/09/2003	30
125	32068	<b>Feasibility Study</b>	2	R6/R7?	No	S2	PoC	08/09/2003	30
126	60002	<b>Dependencies on OMA PoC</b>	2	R6/R7?	No	OMA	PoC	01/01/2004	30
127	32062	<b>Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study)</b>	1	Rel-6	No	S2	IPv4IMS	08/09/2003	25
128	11032	<b>Interoperability and Commonality between IMS using different "IP-connectivity Networks"</b>	1	Rel-6	No	S2	IMSCOOP	16/09/2002	12
129	32028	<b>Stage 2 for Interoperability (no contributions assumed that no more will be done in 3GPP hence work may need to be done in pp2)</b>	2	Rel-6	No	S2		16/09/2002	30
130	32061	<b>Stage 2 for commonality</b>	2	Rel-6	No	S2		16/09/2002	19
131	11033	<b>Stage 3</b>	2	Rel-6	No	N1		14/10/2002	12

132	1365	<b>Support of Push Services</b>	1	Rel-6	No	S1	PUSH	03/01/2001	27
133	31004	<b>Stage 1</b>	2	Rel-6	No	S1		03/01/2001	14
134	32701	<b>TR 23.976 on Push Architecture</b>	2	Rel-6	No	S2		11/11/2002	27
135	42009	<b>Multimedia Messaging (MMS) enhancements</b>	1	Rel-6	No	T2	MMS6	15/08/2002	16
136	42010	<b>Definition of service requirements</b>	2	Rel-6	No	S1	MMS6-SR	15/11/2002	19
137	31031	Definition of service requirements charging	3	Rel-6	No	S1		15/11/2002	19
138	42011	<b>Technical realization</b>	2	Rel-6	No	T2		06/09/2002	10
139	42012	<b>OMA dependencies on MMS (MM1 interface and terminal provisioning)</b>	2	Rel-6	No	OMA		15/08/2003	27
140	42013	<b>MMS formats and codecs</b>	2	Rel-6	No	S4	MMS6-Codec	15/08/2002	16
141	42014	<b>Handling of private addressing schemes in MMS</b>	2	Rel-6	No	T2		10/12/2003	04
142	42015	<b>FS Multiple MMS Relay/Server Architecture</b>	2	Rel-6	No	T2		10/12/2003	04
143	42005	<b>Rel-6 MExE enhancements</b>	1	Rel-6	No	T2	MEXE6	08/03/2002	06
144	42006	<b>MExE Rel-6 Improvements and Investigations</b>	2	Rel-6	No	T2	MEXE6-ENHANC	08/03/2002	12
145	42007	<b>MExE Run-Time Independent Framework Feasibility Study</b>	2	Rel-6	No	T2	MEXE6-RTIF	08/03/2002	06
146	2062	<b>Subscription Management</b>	1	Rel-6	No	S5	SuM	20/09/2002	16
147	2499	<b>Presence Capability</b>	1	Rel-6	No	S1	PRESNC	19/03/2001	31
148	2501	<b>Stage 1</b>	2	Rel-6	No	S1		19/03/2001	18
149	2502	<b>Stage 2</b>	2	Rel-6	No	S2		12/09/2001	20
150	2503	<b>Stage 3</b>	2	Rel-6	No	N1		01/04/2002	08
151	13018	<b>Stage 3 (CN3 Part Pk interface)</b>	2	Rel-6	No	N3		01/04/2002	08

152	34025	<b>Media Codecs and Formats for IMS Messaging and Presence</b>	2	Rel-6	No	S4	PRESNC-COFIMP	12/06/2003	16
153	2504	<b>Security issues</b>	2	Rel-6	No	S3		26/08/2002	12
154	2505	<b>USIM issues</b>	2	Rel-6	No	T3		04/03/2002	20
155	15037	<b>TR on Presence and Availability Management</b>	2	Rel-6	No	N5		03/05/2004	31
156	60003	<b>SIMPLE Presence</b>	2	Rel-6	No	OMA		01/01/2004	30
157	50056	<b>Enhanced A/Gb feasibility study</b>	1	Rel-6	No	GP	AGbEnFS	30/08/2002	08
158	50057	<b>Feasibility study on A/Gb enhancements</b>	2	Rel-6	No	G2	AGbEnFS-FS	30/08/2002	08
159	50080	Requirements for the support of conversational services	3	Rel-6	No	GP		30/08/2002	08
160	50084	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack	3	Rel-6	No	GP		30/08/2002	08
161	50093	Outline of impact and feasibility of these building blocks and their different solutions	3	Rel-6	No	GP		30/08/2002	08
162	52081	Identification of the different building blocks for the provision of conversational services on the existing A/Gb protocol stack	3	Rel-6	No	G2		30/08/2002	08
163	52082	Outline of impact and feasibility of these building blocks and their different solutions	3	Rel-6	No	G2		30/08/2002	08
164	50081	Impact on 3GPP architecture and requirement to co-ordinate with other TSGs (CN, SA)	3	Rel-6	No	GP		30/08/2002	08
165	50082	Standardisation effort	3	Rel-6	No	GP		30/08/2002	08
166	50083	Dependency to other features	3	Rel-6	No	GP		30/08/2002	08
167	50063	<b>Flexible Layer One for GERAN</b>	1	Rel-6	No	GP	FLOGGER	03/01/2000	25
168	50064	<b>Realisation of a Flexible Layer One</b>	2	Rel-6	No	GP	FLOGGER-Real	03/01/2000	23
169	50065	Technical Report	3	Rel-6	No	GP		19/04/2002	06
170	51002	Architecture in 45.001 and 43.051	3	Rel-6	No	G1		19/04/2002	23

171	51003	Multiplexing in 45.002	3	Rel-6	No	G1		19/04/2002	23
172	51004	Channel Coding in 45.003	3	Rel-6	No	G1		19/04/2002	23
173	51005	Performance Requirements in 45.005	3	Rel-6	No	G1		03/01/2000	23
174	51006	Radio subsystem link control in 45.008	3	Rel-6	No	G1		19/04/2002	23
175	52071	Requirements in 44.004	3	Rel-6	No	G2		19/04/2002	23
176	52072	<b>Signalling and protocol support for a Flexible Layer One</b>	2	Rel-6	No	G2	FLOGGER-SigPro	19/04/2002	25
177	52073	Modifications to RLC/MAC in 44.060 and 44.160	3	Rel-6	No	G2		19/04/2002	25
178	52074	Modifications to RRC in 44.118 and 44.018	3	Rel-6	No	G2		19/04/2002	25
179	52075	<b>Security for a Flexible Layer One</b>	2	Rel-6	No	S3; G2	FLOGGER-SecFLO	19/04/2002	29
180	52076	Ciphering in 44.160,44.118, 44.060 and 44.018	3	Rel-6	No	S3; G2		19/04/2002	29
181	55077	<b>GERAN MS Conformance test for the Flexible Layer One</b>	2	Rel-6	No	G4,G5	FLOGGER-Msconf	06/02/2004	25
182	55078	MS Test in 51.01050085	3	Rel-6	No	G4,G5		06/02/2004	25
183	55079	<b>GERAN BTS Conformance test for the Flexible Layer One</b>	2	Rel-6	No	G3	FLOGGER-BTSconf	06/02/2004	25
184	53080	BTS Test in 51.021	3	Rel-6	No	G3		06/02/2004	25
185	50041	<b>Uplink TDOA feasibility study</b>	1	Rel-6	No	GP	TDOAF	30/11/2001	28
186	2544	<b>Multimedia Broadcast and Multicast Service</b>	1	Rel-6	No	S1	MBMS	11/05/2001	16
187	2545	<b>Stage 1</b>	2	Rel-6	No	S1		11/05/2001	01
188	32002	<b>Stage 2</b>	2	Rel-6	No	S2		24/09/2001	17
189	32702	TR on Architectural Study	3	Rel-6	No	S2		24/09/2001	23
190	32703	Stage 2 Specification Work. (User Service aspects may impact) (progress will be check in Friday of S2 #38 !!)	3	Rel-6	No	S2		19/08/2002	17
191	2481	<b>Introduction of MBMS in RAN</b>	2	Rel-6	No	R2	MBMS-RAN	01/01/2002	15
192	11030	<b>Support of the MBMS in CN protocols</b>	2	Rel-6	No	N1		18/06/2002	08
193	13015	<b>Gmb interface for MBMS (CN3 part)</b>	2	Rel-6	No	N3		29/08/2003	10

194	33008	<b>Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)</b>	2	Rel-6	No	S3	MBMS	01/07/2002	25
195	50085	<b>Support of MBMS in GERAN</b>	2	Rel-6	No	GP	MBMS-GERAN	30/08/2001	12
196	50086	Impact on the logical and physical channels	3	Rel-6	No	GP		30/08/2002	12
197	52085	Re-synchronisation at cell change	3	Rel-6	No	G2		30/08/2002	12
198	50098	Simultaneous support of MBMS services	3	Rel-6	No	GP		30/08/2002	12
199	50099	Simultaneous support of MBMS and non-MBMS services	3	Rel-6	No	GP		30/08/2001	12
200	50100	Resynchronisation at cell change	3	Rel-6	No	GP		30/08/2001	12
201	50087	Decision making process between point-to-point or pont-to-multipoint configurations	3	Rel-6	No	GP		30/08/2002	12
202	50088	MBMS channel allocations procedures to multiple MSs	3	Rel-6	No	GP		30/08/2002	12
203	50089	Changes to the Gb interface	3	Rel-6	No	GP		30/08/2002	12
204	50090	GERAN specific changes to the Iu-ps interface	3	Rel-6	No	GP		30/08/2002	12
205	50091	Interaction between MBMS and Iu-flex	3	Rel-6	No	GP		30/08/2002	12
206	50092	Security aspects	3	Rel-6	No	GP		30/08/2002	12
207	53081	MS conformance tests- G3	3	Rel-6	No	G3		30/08/2002	12
208	55091	DELETE - MS conformance tests - G5	3	Rel-6	No	G5		30/08/2002	27
209	31045	<b>MBMS User Services</b>	2	Rel-6	No	S1		13/05/2003	16
210	31044	MBMS User Services Stage 1	3	Rel-6	No	S1		13/05/2003	01
211	34026	Definition of MBMS user services, media codecs, formats and transport/application protocols using MBMS	3	Rel-6	No	S4	MBMS-TSMBMS	12/06/2003	16
212	31006	<b>Speech Recognition and Speech Enabled Services</b>	1	Rel-6	No	S1	SRSES	08/10/2001	10
213	31007	<b>Speech Enabled Services Based on Distributed Speech Recognition (DSR)</b>	2	Rel-6	No	S1	DSR	08/10/2001	15
214	32999	<b>TR on Architectural impacts</b>	2	Rel-6	No	S2		12/05/2003	02

215	34700	<b>Codec Work to Support Speech Recognition Framework for Automated Voice Services</b>	2	Rel-6	No	S4	SRSES-Codec	15/10/2002	10
216	60004	<b>Multimodal support</b>	2	Rel-6	No	OMA		01/01/2004	01
217	31008	<b>Generic User Profile</b>	1	Rel-6	No	S1	GUP	08/10/2001	30
218	31009	<b>Stage 1 - Requirements</b>	2	Rel-6	No	S1		08/10/2001	30
219	32008	<b>Stage 2 - Architecture</b>	2	Rel-6	No	S2		28/01/2002	06
220	42002	<b>Stage 2 - Data Description Method</b>	2	Rel-6	No	T2		05/12/2002	05
221	42003	<b>Stage 3 - Common objects</b>	2	Rel-6	No	T2		05/12/2002	03
222	14008	<b>Stage 3 - Network</b>	2	Rel-6	No	N4		19/05/2003	30
223	33009	<b>Security Aspects</b>	2	Rel-6	No	S3		16/07/2002	18
224	31010	<b>Digital Rights Management</b>	1	Rel-6	No	S1	DRM	08/10/2001	28
225	31011	<b>Requirements</b>	2	Rel-6	No	S1		08/10/2001	13
226	31037	<b>Monitoring of Stages 2 and 3 progress (actual work to be done by OMA)</b>	2	Rel-6	No	S1		19/08/2002	21
227	33001	<b>Monitoring of Security (work done by OMA)</b>	2	Rel-6	No	S3		17/06/2002	03
228	60005	<b>Stage 2</b>	2	Rel-6	No	OMA		01/01/2004	28
229	60006	<b>Stage 3</b>	2	Rel-6	No	OMA		01/01/2004	28
230	31012	<b>WLAN-UMTS Interworking</b>	1	Rel-6	No	S1	WLAN	03/01/2000	30
231	31020	<b>Technical Report</b>	2	Rel-6	No	S1	WLAN-TR	03/01/2000	13
232	31035	<b>Stage 1</b>	2	Rel-6	No	S1	WLAN-TS	03/01/2000	11
233	32018	<b>Architecture Definition for scenarii 2 and 3</b>	2	Rel-6	No	S2		25/03/2002	31



234	32704	<b>Security</b>	2	Rel-6	No	S3		30/09/2002	21
235	14013	<b>Stage 3 - CN4 aspects</b>	2	Rel-6	No	N4	WLAN-IW	23/05/2003	01
236	13019	<b>Stage 3 - CN3 aspects (Wi Interface for Scenario 3)</b>	2	Rel-6	No	N3	WLAN	23/05/2003	30
237	11042	<b>Stage 3 for scenario 2</b>	2	Rel-6	No	N1		23/05/2003	08
238	11047	<b>Stage 3 for scenario 3</b>	2	Rel-6	No	N1		23/05/2003	08
239	31015	<b>Priority Service</b>	1	Rel-6	No	S1	PRIOR	30/05/2002	16
240	31016	<b>Feasibility Study</b>	2	Rel-6	No	S1	PRIOR-FS	14/06/2002	14
241	31017	<b>Stage 1 - Requirements</b>	2	Rel-6	No	S1	PRIOR-SR	30/05/2002	17
242	31041	<b>Multimedia Priority Service</b>	2	Rel-6	No	S1		28/03/2003	16
243	31043	<b>Priority service implementation guide</b>	2	Rel-6	No	S1		28/03/2003	26
244	31018	<b>Network Sharing</b>	1	Rel-6	No	S1	NTShar	20/01/2003	17
245	31019	<b>Technical Report</b>	2	Rel-6	No	S1	NTShar-TR	20/01/2003	19
246	31038	<b>Stage 1 - CRs to implement Network Sharing</b>	2	Rel-6	No	S1	NTShar-CR	20/01/2003	19
247	32044	<b>Stage 2</b>	2	Rel-6	No	S2		27/02/2003	30
248	11043	<b>Network sharing - stage 3</b>	2	Rel-6	No	N1		23/05/2003	08
249	22004	<b>Enhancement of the support of network sharing in the UTRAN</b>	2	Rel-6	No	R2	NTShar-UTRANEnh	19/09/2003	17

250	32016	<b>QoS Improvements</b>	1	Rel-6	No	S2	QoS1	15/07/2002	10
251	32017	<b>FS on Dynamic Policy control enhancements for end-to-end QoS</b>	2	Rel-6	No	S2	QoS1	15/07/2002	23
252	32059	<b>Definition of the Gq interface</b>	2	Rel-6	No	S2		01/07/2003	23
253	13016	<b>Gq interface specification for Dynamic Policy control enhancements – Stage 3</b>	2	Rel-6	No	N3		29/08/2003	10
254	33002	<b>Subscriber certificates</b>	1	Rel-6	No	S3	SEC1-SC	25/02/2002	30
255	32705	<b>Stage 1</b>	2	Rel-6	No	S3		25/02/2002	12
256	32706	<b>Architecture review</b>	2	Rel-6	No	S2		14/10/2002	14
257	14504	<b>Stage 3</b>	2	Rel-6	No	N4	SEC1-SC	19/09/2003	30
258	11045	<b>Stage 3 Ua &amp; Ub interfaces</b>	2	Rel-6	No	N1		03/11/2003	08
259	60007	<b>OMA dependencies on Subscriber certificates</b>	2	Rel-6	No	OMA		01/01/2004	08
260	15010	<b>Rel-6 OSA enhancements</b>	1	Rel-6	No	S1	OSA3	31/10/2002	30
261	31040	<b>Scope of the Open Service Access Release 6</b>	2	Rel-6	No	S1		28/03/2003	27
262	15026	<b>Multi Media Messaging function</b>	2	Rel-6	No	N5		31/10/2002	18
263	15028	<b>Policy management extensions</b>	2	Rel-6	No	N5		31/10/2002	12
264	15029	<b>TS on Presence and Availability Management (from the PRESNC WI)</b>	2	Rel-6	No	N5		31/10/2002	26
265	15032	<b>OSA interfaces at different levels of abstractions (Parlay X, Web services)</b>	2	Rel-6	No	N5		14/07/2003	18

266	15033	<b>Introduction of migration support mechanism</b>	2	Rel-6	No	N5		31/10/2002	10
267	15034	<b>User Profile</b>	2	Rel-6	No	N5		23/01/2003	18
268	15036	<b>Framework Function for Federation</b>	2	Rel-6	No	N5		03/02/2003	12
269	60008	<b>OMA dependencies on OSA</b>	2	Rel-6	No	OMA		01/01/2004	30
270	50401	<b>Addition of frequency bands to GSM</b>	1	Rel-6	No	GP	TAPS	28/06/2002	12
271	50094	<b>Addition of frequency bands to GSM – Changes to core specs</b>	2	Rel-6	No	G1	TAPS-Specs	15/11/2002	20
272	51102	Changes to core specs	3	Rel-6	No	G1		15/11/2002	20
273	54102	<b>Addition of frequency bands to GSM – Changes for conformance tests</b>	2	Rel-6	No	G4	TAPS-Conf	28/06/2002	12
274	54103	51.010-1 Add testing	3	Rel-6	No	G4		28/06/2002	12
275	50130	<b>Seamless support of streaming services in A/Gb mode</b>	1	Rel-6	No	GP	SSStrea	03/01/2000	30
276	51131	<b>Identification of requirements for streaming</b>	2	Rel-6	No	G1		27/06/2003	29
277	51133	Requirements	3	Rel-6	No	G1		27/06/2003	29
278	51132	<b>Performance study of cell change mechanisms</b>	2	Rel-6	No	G1		03/01/2000	29
279	51134	Performance of NACC	3	Rel-6	No	G1		03/01/2000	29
280	51135	Performance of cell change in DTM for the PS domain	3	Rel-6	No	G1		03/01/2000	29
281	51136	Handover	3	Rel-6	No	G1		03/01/2000	29
282	52131	<b>Reduction of service interruption times and packet loss during mobility procedures</b>	2	Rel-6	No	G2		27/06/2003	21
283	52133	Optimisations of existing mechanisms/procedures	3	Rel-6	No	G2		27/06/2003	21
284	52134	Inter-system NACC	3	Rel-6	No	G2		27/06/2003	21
285	52135	PS Handover (within GERAN and between GERAN and UTRAN)	3	Rel-6	No	G2		27/06/2003	21
286	52136	Dependency to other features	3	Rel-6	No	G2		27/06/2003	21

287	54131	<b>MS conformance testing</b>	2	Rel-6	No	G3		19/12/2003	30
288	54132	MS conformance tests	3	Rel-6	No	G4;G5		19/12/2003	30
289	33013	<b>GERAN A/Gb mode security enhancements</b>	2	Rel-6	No	S3		26/09/2002	25
290	34300	<b>Performance characterisation of default codecs for PS conversational multimedia application</b>	1	Rel-6	No	S4	CODCAR	13/09/2002	10
291	31030	<b>Study on Privacy Capability</b>	1	Rel-6	No	S1	PrivCap	10/11/2003	03
292	35010	<b>OAM&amp;P</b>	1	Rel-6	No	S5	OAM	12/09/2002	08
293	35011	<b>Principles, high level Requirements and Architecture</b>	2	Rel-6	No	S5	OAM-AR	12/09/2002	16
294	35012	<b>Performance Management</b>	2	Rel-6	No	S5	OAM-PM	12/09/2002	16
295	35014	<b>Network Infrastructure Management</b>	2	Rel-6	No	S5	OAM-NIM	12/09/2002	16
296	35015	<b>Trace Management</b>	2	Rel-6	No	S5	OAM-Trace	20/09/2002	08
297	35022	Subscriber and UE trace management	3	Rel-6	No	S5	OAM-Trace	20/09/2002	16
298	23013	Subscriber and equipment trace in UTRAN	3	Rel-6	No	R3	OAM-Trace-RAN	06/06/2003	15
299	11046	SIP enhancements for trace	3	Rel-6	No	N1		16/02/2004	08
300	35016	<b>Charging Management</b>	1	Rel-6	No	S5	CH	21/11/2002	16
301	35017	<b>Charging Management for Bearer level</b>	2	Rel-6	No	S5	CH-BC	21/03/2003	16
302	35018	<b>Charging Management for the IMS</b>	2	Rel-6	No	S5	CH-IC	21/03/2003	16
303	35019	<b>Charging Management for the Service domain</b>	2	Rel-6	No	S5	CH-SC	21/03/2003	16
304	32030	<b>Overall architectural aspects of IP flow based bearer level charging</b>	2	Rel-6	No	S2	CH-FBC	21/11/2002	30
305	32069	Overall definition of FBC architecture	3	Rel-6	No	S2		21/11/2002	02

306	32070	Study on providing policy control with FBC	3	Rel-6	No	S2		02/02/2004	30
307	1800	<b>Rel-6 UICC/USIM enhancements and interworking</b>	1	Rel-6	No	T3	USAT1	25/09/2000	19
308	1802	<b>UICC API</b>	2	Rel-6	No	T3	USAT1-API	20/03/2002	19
309	43001	Java API Test specification	3	Rel-6	No	T3		20/03/2002	10
310	43003	Java API Test specification (TS 43.019 Rel-5)	3	Rel-6	No	T3		30/05/2002	09
311	43006	2G/3G Java Card™ API based applet interworking	3	Rel-6	No	T3	USAT1-API	17/03/2003	19
312	43004	<b>Rel-6 USIM toolkit enhancements</b>	2	Rel-6	No	T3		25/09/2000	27
313	502031	C SIM API	3	Rel-6	No	T3	USAT1-API-MULTOS	25/09/2000	27
314	502032	Specification	4	Rel-6	No	T3		25/09/2000	27
315	502033	Test specification	4	Rel-6	No	T3		01/01/2001	28
316	34022	<b>Packet Switched Streaming Services Rel-6</b>	1	Rel-6	No	S4	PSSrel6	18/11/2002	16
317	31039	<b>Stage 1</b>	2	Rel-6	No	S1		18/11/2002	17
318	34024	<b>Stage 3</b>	2	Rel-6	No	S4	PSSrel6-Stage3	13/12/2002	16
319	34023	<b>AMR-WB extension for high audio quality</b>	1	Rel-6	No	S4	AMRWB+	13/12/2002	10
320	34027	<b>Codec Enhancements for Packet Switched Conversational Multimedia Applications</b>	1	Rel-6	No	S4	CEPSCM	16/03/2004	16
321	34028	<b>3G-324M Improvements</b>	1	Rel-6	No	S4	3G-324MI	16/03/2004	16
322	51101	<b>Single Antenna Receiver Interference Cancellation (SAIC)</b>	1	Rel-6	No	GP,G1	SAIC	15/11/2002	25
323	50500	<b>Support of Conversational Services in A/Gb mode via the PS domain</b>	1	Rel-6	No	GP	SCSAGB	07/02/2003	27
324	50501	<b>Creation of a TR</b>	2	Rel-6	No	GP	SCSAGB-TR	07/02/2003	21
325	50502	<b>Stage 2</b>	2	Rel-6	No	GP	SCSAGB-Stage2	21/11/2003	27

326	50503	<b>Radio Channel Support</b>	2	Rel-6	No	GP	SCSAGB-RCS	06/02/2004	27
327	50504	<b>Definition of radio resource management functionality</b>	2	Rel-6	No	GP,G2	SCSAGB-RRM	06/02/2004	27
328	50505	<b>PS Handover</b>	2	Rel-6	No	GP	SCSAGB-PSH	06/02/2004	27
329	50506	<b>Modifications to FLO</b>	2	Rel-6	No	GP,G2	SCSAGB-FLO	06/02/2004	27
330	12006	<b>Enhancement of dialled service for CAMEL</b>	1	Rel-6	No	S1	EDCAMEL	28/03/2003	31
331	12007	<b>Stages 2 and 3</b>	2	Rel-6	No	N2		28/03/2003	31
332	32060	<b>Bandwidth and resource savings in CS networks</b>	1	Rel-6	No	S2	CSSAVE	01/06/2003	16
333	33018	<b>FS on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces</b>	1	Rel-6	No	S3		03/07/2003	26
334	50600	<b>Multiple TBF in A/Gb mode</b>	1	Rel-6	No	GP,G2	MULTBF	05/04/2002	25
335	50601	<b>Multiple TBF in A/Gb mode</b>	2	Rel-6	No	GP,G2	MULTBF-Agbmode	05/04/2002	29
336	50602	Multiple TBF Concept paper	3	Rel-6	No	GP,G2		05/04/2002	29
337	50603	Multiple TBF Stage 2 (43.064) CRs	3	Rel-6	No	GP,G2		05/04/2002	29
338	50604	Multiple TBF Stage 3 (44.060) CRs	3	Rel-6	No	GP,G2		05/04/2002	29
339	50605	<b>Multiple TBF in A/Gb mode – MS testing</b>	2	Rel-6	No	G3	MULTBF-Testing	05/04/2002	25
340	50096	<b>Alignment between the test-regimes for GERAN capable MS</b>	1	Rel-6	No	G3	ALTERE	29/08/2003	27
341	50097	<b>Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.</b>	2	Rel-6	No	G3	ALTERE-TC	29/08/2003	27
342	50444	<b>Addition of U-TDOA in the CS domain</b>	1	Rel-6	No	GP	UTDOACS	21/11/2003	23
343	50445	<b>Addition of U-TDOA in the PS domain</b>	1	Rel-6	No	GP	UTDOAPS	27/06/2003	12
344	50101	<b>Advanced Receiver Performance</b>	1	Rel-6	No	GP	ARP	21/11/2003	28
345	50102	<b>ARP test scenarios</b>	2	Rel-6	No	GP	ARP-TS	21/11/2003	27
346	50103	<b>ARP for GMSK modulated voice services</b>	2	Rel-6	No	GP	ARP-GMSK	06/02/2004	12
347	50104	Performance requirements in 45.005	3	Rel-6	No	GP	ARP-GMSK-Perf	06/02/2004	12

348	50105	Radio subsystem link control in 45.008	3	Rel-6	No	GP	ARP-GMSK-LC	06/02/2004	12
349	50106	<b>ARP for GPRS and EGPRS MCS1-MCS4</b>	2	Rel-6	No	GP	ARP-GPRSE	06/02/2004	12
350	50107	Performance requirements in 45.005	3	Rel-6	No	GP	ARP-GPRSE-Perf	06/02/2004	12
351	50108	Radio subsystem link control in 45.008	3	Rel-6	No	GP	ARP-GPRSE-LC	06/02/2004	12
352	50115	<b>ARP Capability signalling</b>	2	Rel-6	No	GP	ARP-CAPSIG	21/11/2003	25
353	50116	<b>GERAN MS Conformance test for ARP</b>	2	Rel-6	No	G3	ARP-ConfTest	27/08/2004	28
354	50109	<b>Reduction of PS service interruption in Dual Transfer Mode</b>	1	Rel-6	No	G2	PSintDTM	21/11/2003	12
355	50110	<b>Use case and requirement definition</b>	2	Rel-6	No	G2	PSintDTM-Req	21/11/2003	23
356	50111	<b>Performance Study of Current Procedures</b>	2	Rel-6	No	G2	PSintDTM-Perf	21/11/2003	23
357	50112	<b>Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures</b>	2	Rel-6	No	G2	PSintDTM-Reduct	23/04/2004	25
358	50113	<b>MS Conformance testing</b>	2	Rel-6	No	G3	PSintDTM-ConfMS	25/06/2004	12
359	50114	<b>BTS Conformance testing</b>	2	Rel-6	No	G3	PSintDTM-ConfBTS	25/06/2004	12
360	12008	<b>CAMEL prepay interworking with SCUDIF</b>	1	Rel-6	No	N4	SCCAMEL	08/12/2003	05
361	31046	<b>Circuit Switched Video and Voice Service Improvements</b>	1	Rel-6	No	S1	CS_VSS	12/01/2004	29
362	31047	<b>Stage 1 - Requirements</b>	2	Rel-6	No	S1		12/01/2004	14
363	32071	<b>Stage 2 Study on architecture alternatives</b>	2		No	S2		12/01/2004	13
364	32072	<b>Stage 2 description on Redial</b>	2		No	S2		03/05/2004	29
365	13017	<b>DELETE - CN3 Part</b>	2	Rel-6	No	N3		12/01/2004	14
366	52137	<b>GERAN2 Part</b>	2	Rel-6	No	G2		12/01/2004	14
367	32064	<b>Access Class Barring and Overload Protection</b>	1		No	S2	ACBOP	15/03/2004	30
368	32065	<b>TR on Stage 2</b>	2		No	S2		15/03/2004	30
369	20009	<b>Extra ACBOP information in RAN</b>	2		No	RP		15/03/2004	15
370	50117	<b>Extra ACBOP information in GERAN</b>	2		No	GP		15/03/2004	15
371	20010	<b>Potential impact on Iu interface Overload functionality</b>	2		No	RP		15/03/2004	15
372	32066	<b>Combining CS bearers with IMS</b>	1		No	S2	CSI	15/03/2004	30

373	32067	<b>TR on Alternative Architectures for Combining CS Bearers with IMS</b>	2		No	S2		15/03/2004	30
374	31048	<b>USSD message delivery and transfer to USIM</b>	1		No	S1		18/03/2004	15



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						Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
1	2044	<b>VERSION 2004 June 8th</b>	Rel	No											
2	1462	"CTRL + a" to display all the 3GPP files		No											
3	2058	<b>Content of Rel-6 and after. Not frozen.</b>	Rel	No											
4	0		Rel	No											
5	2	<b>Evolutions of the transport in the UTRAN</b>	NA	No	RP	[Blue bar]									
6	1216	<b>Improvements of Radio Interface</b>	Rel-6	No	RP	[Black bar]			[Black bar]			◆			
7	1470	<b>Improvement of inter-frequency and inter-system handover</b>	Rel-6	No	R1	[Blue bar]			[Blue bar]						
8	24006	<b>Improving Receiver Performance Requirements</b>	Rel-6	No	R4	[Blue bar]									
9	24004	<b>Base station classification</b>	Rel-6	No	R4	[Blue bar]									
10	1476	FDD Base station classification	Rel-6	No	R4	[Blue bar]									
11	24007	<b>UMTS-850</b>	Rel-6	No	R4	[Blue bar]									
12	24009	<b>DS-SS introduction in the 800 MHz band</b>	Rel-6	No	R4	[Blue bar]									
13	24010	<b>UMTS 1.7/2.1 GHz</b>	Rel-6	No	R4	[Blue bar]									
14	24013	<b>Improved Receiver Performance Requirements</b>	Rel-6	No	R4				◆	[Black bar]			◆		
15	24014	Performance Requirements of Receive Diversity	Rel-6	No	R4					[Blue bar]					
16	3	<b>RAN Feasibility Studies</b>	Rel-6	No	RP	[Black bar]			[Black bar]			[Black bar]			
17	1506	<b>FS on Radio link performance enhancement</b>	Rel-6	No	R1	[Blue bar]			[Blue bar]						
18	24001	<b>FS on UTRA WideBand Distribution System</b>	Rel-6	No	R4	[Blue bar]			[Blue bar]						
19	21000	<b>FS on Improvement of inter-frequency and inter-system handover</b>	Rel-6	No	R1	[Blue bar]									
20	21003	<b>FS for the analysis of OFDM for UTRAN</b>	Rel-6	No	R1	[Blue bar]			[Blue bar]						
21	21004	<b>FS on Uplink Enhancements for Dedicated Channels</b>	Rel-6	No	R1	[Blue bar]			[Blue bar]						
22	21005	<b>FS on Analysis on Higher Chip Rates for UTRAN</b>	Rel-6	No	R1	[Blue bar]			[Blue bar]						
23	24011	<b>FS on Low Output Powers for general purpose</b>	Rel-6	No	R3		[Blue bar]								
24	21007	<b>FS on Uplink enhancements for UTRA TDD</b>	Rel-6	No	R1	[Blue bar]	[Blue bar]			[Blue bar]					
25	24005	<b>FS on UE antenna efficiency test methods</b>	Rel-6	No	R4	[Blue bar]									
26	23006	<b>FS on the evolution of the UTRAN architecture</b>	Rel-6	No	R3	[Blue bar]			[Blue bar]			[Blue bar]			
27	2468	<b>Multiple Input Multiple Output antennas</b>	Rel-6	No	R1	[Black bar]			[Black bar]			[Black bar]			
28	21006	<b>MIMO - Physical layer</b>	Rel-6	No	R1		[Blue bar]			[Blue bar]			[Blue bar]		
29	22003	<b>MIMO - Layer 2,3 aspects</b>	Rel-6	No	R2		[Blue bar]			[Blue bar]			[Blue bar]		
30	23008	<b>MIMO - Iub/Iur Protocol Aspects</b>	Rel-6	No	R3		[Blue bar]			[Blue bar]			[Blue bar]		
31	24008	<b>MIMO - RF Radio Transmission/Reception</b>	Rel-6	No	R4					[Blue bar]			[Blue bar]		
32	20003	<b>FDD Enhanced Uplink</b>		No	RP				◆	[Black bar]			[Black bar]		

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33	20004	<b>EDCH - Stage 2</b>		No	R2										
34	20005	<b>EDCH - Physical Layer</b>		No	R1										
35	20006	<b>EDCH - Layer 2 and 3 Protocol Aspects</b>		No	R2										
36	20007	<b>EDCH - UTRAN Iub/Iur Protocol Aspects</b>		No	R3										
37	20008	<b>EDCH - RF Radio Transmission/ Recept</b>		No	R4										
38	9	<b>RAN improvements</b>	Rel-6	No	RP										
39	624	<b>RAB support enhancement</b>	Rel-6	No	R2										
40	23009	Iu enhancements for IMS support in RAN	Rel-6	No	R3										
41	21008	Optimisation of downlink channelisation code u		No	R1										
42	21009	Optimisation of channelisation code utilisation		No	R1										
43	20999	<b>Beamforming Enhancements</b>	Rel-6	No	R1										
44	23012	<b>Rel6 RRM optimization for Iur and Iub</b>	Rel-6	No	R3										
45	23014	Improved access to User Equipment (UE) meas	Rel-6	No	R3										
46	23010	<b>Remote Control of Electrical Tilting Ant</b>	Rel-6	No	R3										
47	23015	RAN aspects	Rel-6	No	R3										
48	35023	OAM&P impacts	Rel-6	No	S5										
49	23011	<b>Network Assisted Cell Change (NACC) f</b>	Rel-6	No	R3										
50	23007	<b>FS of the improved access to UE meas</b>	Rel-6	No	R3										
51	32045	<b>PS domain and IMS impacts for suppo</b>	Rel-7	No	S2										
52	1314	<b>Service Requirements for IP-based em</b>	Rel-7	No	S1										
53	32046	<b>Stage 2</b>	Rel-7	No	S2										
54	1653	<b>Emergency Call Enhancements for IP&amp;</b>	Rel-7	No	N1										
55	1315	SIP emergency calls and packet emergency c	Rel-7	No	N1										
56	1646	Stage 3 for emergency calls and packet emerg	Rel-7	No	N1										
57	32023	<b>Location Services enhancements 2</b>	Rel-6	No	S2										
58	32024	<b>Improvement on Le interface</b>	Rel-6	No	S2										
59	32051	Stage 2	Rel-6	No	S2										
60	32053	Stage 3 - impacts MLP (Mobile Location Protoc	Rel-6	No	OMA										
61	32001	<b>Enhanced support for anonymity and u</b>	Rel-6	No	S2										
62	32047	Stage 2	Rel-6	No	S2										
63	32054	Stage 3 - impacts MLP and RLP	Rel-6	No	OMA										
64	32025	<b>Enhanced inter-GMLC interface</b>	Rel-6	No	S2										

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						Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
65	32048	Stage 2	Rel-6	No	S2	■									
66	32055	Stage 3 - definition of RLP and PCP	Rel-6	No	OMA	■	■	■	■	■	■	■	■	■	■
67	32012	<b>Location Services support for IMS publ</b>	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
68	32049	Stage 2	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
69	32056	Stage 3 - impacts MLP, RLP and PCP	Rel-6	No	OMA	■	■	■	■	■	■	■	■	■	■
70	32026	<b>New area event for location service trig</b>	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
71	32050	Stage 2	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
72	14015	Stage 3 for UE-CN signalling	Rel-6	No	N4	■	■	■	■	■	■	■	■	■	■
73	32057	Stage 3 - impacts MLP, RLP and PCP	Rel-6	No	OMA	■	■	■	■	■	■	■	■	■	■
74	32029	<b>FS on applicability of GALILEO for LCS</b>	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
75	32058	TR on Stage 2 (No contributions received, No	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
76	50095	GERAN review of the TR	Rel-6	No	GP	■	■	■	■	■	■	■	■	■	■
77	20001	<b>UE positioning</b>	Rel-6	No	RP	■	■	■	■	■	■	■	■	■	■
78	2457	UE positioning enhancements - other methods	Rel-6	No	R2	■	■	■	■	■	■	■	■	■	■
79	2475	Open SMLC-SRNC Interface within the UTRAN	Rel-6	No	R2	■	■	■	■	■	■	■	■	■	■
80	24012	A-GPS minimum performance specification	Rel-6	No	R4	■	■	■	■	■	■	■	■	■	■
81	22002	FS on Enhancements to OTDOA Positioning us	Rel-6	No	R2	■	■	■	■	■	■	■	■	■	■
82	1571	<b>Security enhancements</b>	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
83	2026	<b>Enhanced HE control of security (includ</b>	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
84	2027	Stage 2	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
85	33006	Network domain security	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
86	33007	IP network layer security (NDS/IP)	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
87	33017	<b>Network Domain Security; Authenticati</b>	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
88	33019	<b>Key Management of group keys for Voi</b>	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
89	32021	<b>IMS Phase 2</b>	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
90	32027	<b>DELETE (covered below) - Stage 2 of IM</b>	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
91	14014	<b>Enhancements to the Cx and Sh interfa</b>	Rel-6	No	N4	■	■	■	■	■	■	■	■	■	■
92	31025	<b>IMS Group Management</b>	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
93	31026	Stage 1 - TS on IMS group management	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
94	32036	Stage 2	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
95	11036	Stage 3 for IMS Group management (e.g. chat)		No	N1	■	■	■	■	■	■	■	■	■	■
96	11037	<b>IMS Conferencing</b>	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■

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97	✓	32037	Stage 2	Rel-6	No	S2	[Progress bar]									
98	Icon	32038	Stage 3		No	N1	[Progress bar]									
99	Icon	<b>31022</b>	<b>IMS Messaging</b>	<b>Rel-6</b>	<b>No</b>	<b>S1</b>	[Progress bar]									
100	✓	31023	TR on support of messaging in the IMS	Rel-6	No	S1	[Progress bar]									
101	✓	31034	Stage 1 22.340	Rel-6	No	S1	[Progress bar]									
102	✓	31033	CRs to 22.140 & 22.228	Rel-6	No	S1	[Progress bar]									
103	Icon	32700	Stage 2	Rel-6	No	S2	[Progress bar]									
104	Icon	11039	Stage 3 for IMS Messaging		No	N1	[Progress bar]									
105	Icon	60001	SIP/SIMPLE Instant messaging	Rel-6	No	OMA				[Progress bar]						
106		<b>32005</b>	<b>IMS Local services</b>	<b>Rel-6</b>	<b>No</b>	<b>S2</b>	[Progress bar]									
107	✓	32019	Stage 2	Rel-6	No	S2	[Progress bar]									
108	Icon	11035	Stage 3 for IMS Local services		No	N1	[Progress bar]									
109		<b>11040</b>	<b>Additional SIP Capabilities support not</b>	<b>Rel-6</b>	<b>No</b>	<b>N1</b>	[Progress bar]									
110	✓	32041	Stage 2 for add SIP cap (e.g. forking)	Rel-6	No	S2	[Progress bar]									
111	Icon	32042	Stage 3 for Additional SIP Capabilities		No	N1	[Progress bar]									
112	Icon	11041	<b>Review additional SIP Capabilities aga</b>		No	N1	[Progress bar]									
113	Icon	<b>2048</b>	<b>Interworking between IMS and IP netw</b>	<b>Rel-6</b>	<b>No</b>	<b>N3</b>	[Progress bar]									
114	✓	13004	Interworking for 3GPP_SIP and IETF_SIP	Rel-6	No	N3	[Progress bar]									
115	Icon	13005	Interworking for IPv6 to IPv4	Rel-6	No	N3	[Progress bar]									
116	Icon	11044	Interworking for IPv6 to IPv4 (SIP / SDP aspect	Rel-6	No	N1				[Progress bar]						
117	Icon	11017	stage 3 of interworking with non-IMS IP netwo	Rel-6	No	N1	[Progress bar]									
118	✓	2047	<b>Interworking between IMS and CS netw</b>	Rel-6	No	N3	[Progress bar]									
119	Icon	14001	<b>Mn interface (IM-MGW to MGCF) enhan</b>	Rel-6	No	N4	[Progress bar]									
120	Icon	14012	<b>Mp (MRFC - MRFP) interface (CN4 Part)</b>	Rel-6	No	N4	[Progress bar]									
121	✓	31036	<b>Study of subscriber and operators relat</b>	Rel-6	No	S1	[Progress bar]									
122	Icon	33012	<b>Lawful Interception in the 3GPP Rel-6</b>	Rel-6	No	S3	[Progress bar]									
123	✓	31042	<b>IMS Subscription and access scenarios</b>	Rel-6	No	S1	[Progress bar]									
124	Icon	<b>32063</b>	<b>3GPP Enablers for services like Push</b>	<b>R6/R7?</b>	<b>No</b>	<b>S2</b>				[Progress bar]						
125	Icon	32068	<b>Feasibility Study</b>	<b>R6/R7?</b>	No	S2	[Progress bar]									
126	Icon	60002	<b>Dependencies on OMA PoC</b>	<b>R6/R7?</b>	No	OMA				[Progress bar]						
127	✓	32062	<b>Interworking aspects and migration sc</b>	Rel-6	No	S2	[Progress bar]									
128		<b>11032</b>	<b>Interoperability and Commonality betw</b>	<b>Rel-6</b>	<b>No</b>	<b>S2</b>	[Progress bar]									

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129	✓	32028	<b>Stage 2 for Interoperability (no contributi</b>	Rel-6	No	S2	█									
130	✓	32061	<b>Stage 2 for commonality</b>	Rel-6	No	S2	█									
131	✓	11033	<b>Stage 3</b>	Rel-6	No	N1	█									
132	✓	1365	<b>Support of Push Services</b>	Rel-6	No	S1	█									
133	✓	31004	<b>Stage 1</b>	Rel-6	No	S1										
134	✓	32701	<b>TR 23.976 on Push Architecture</b>	Rel-6	No	S2	█									
135	✓	42009	<b>Multimedia Messaging (MMS) enhance</b>	Rel-6	No	T2	█									
136	✓	42010	<b>Definition of service requirements</b>	Rel-6	No	S1	█									
137	✓	31031	Definition of service requirements charging	Rel-6	No	S1	█									
138	✓	42011	<b>Technical realization</b>	Rel-6	No	T2	█									
139	✓	42012	<b>OMA dependencies on MMS (MM1 inter</b>	Rel-6	No	OMA	█									
140	✓	42013	<b>MMS formats and codecs</b>	Rel-6	No	S4	█									
141	✓	42014	<b>Handling of private addressing scheme</b>	Rel-6	No	T2										
142	✓	42015	<b>FS Multiple MMS Relay/Server Architec</b>	Rel-6	No	T2										
143	✓	42005	<b>Rel-6 MExE enhancements</b>	Rel-6	No	T2										
144	✓	42006	<b>MExE Rel-6 Improvements and Investig</b>	Rel-6	No	T2										
145	✓	42007	<b>MExE Run-Time Independent Framewo</b>	Rel-6	No	T2										
146	✓	2062	<b>Subscription Management</b>	Rel-6	No	S5	█									
147	✓	2499	<b>Presence Capability</b>	Rel-6	No	S1	█									
148	✓	2501	<b>Stage 1</b>	Rel-6	No	S1	█									
149	✓	2502	<b>Stage 2</b>	Rel-6	No	S2										
150	✓	2503	<b>Stage 3</b>	Rel-6	No	N1	█									
151	✓	13018	<b>Stage 3 (CN3 Part Pk interface)</b>	Rel-6	No	N3	█									
152	✓	34025	<b>Media Codecs and Formats for IMS Mes</b>	Rel-6	No	S4	█									
153	✓	2504	<b>Security issues</b>	Rel-6	No	S3										
154	✓	2505	<b>USIM issues</b>	Rel-6	No	T3										
155	✓	15037	<b>TR on Presence and Availability Manaç</b>	Rel-6	No	N5										
156	✓	60003	<b>SIMPLE Presence</b>	Rel-6	No	OMA										
157	✓	50056	<b>Enhanced A/Gb feasibility study</b>	Rel-6	No	GP										
158	✓	50057	<b>Feasibility study on A/Gb enhancement</b>	Rel-6	No	G2										
159	✓	50080	Requirements for the support of conversati	Rel-6	No	GP										
160	✓	50084	Identification of the different building blocks fo	Rel-6	No	GP										

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161	✓	50093	Outline of impact and feasibility of these buildir	Rel-6	No	GP										
162	Icon	52081	Identification of the different building blocks fo	Rel-6	No	G2										
163	Icon	52082	Outline of impact and feasibility of these buildir	Rel-6	No	G2										
164	✓	50081	Impact on 3GPP architecture and requirement	Rel-6	No	GP										
165	✓	50082	Standardisation effort	Rel-6	No	GP										
166	✓	50083	Dependency to other features	Rel-6	No	GP										
167	Icon	<b>50063</b>	<b>Flexible Layer One for GERAN</b>	<b>Rel-6</b>	<b>No</b>	<b>GP</b>	[Timeline bar from Jul 2003 to May 2004]									
168	Icon	<b>50064</b>	<b>Realisation of a Flexible Layer One</b>	<b>Rel-6</b>	<b>No</b>	<b>GP</b>	[Timeline bar from Jul 2003 to Mar 2004]									
169	✓	50065	Technical Report	Rel-6	No	GP	[Timeline bar from Jul 2003 to Sep 2003]									
170	✓	51002	Architecture in 45.001 and 43.051	Rel-6	No	G1	[Timeline bar from Jul 2003 to Mar 2004]									
171	✓	51003	Multiplexing in 45.002	Rel-6	No	G1	[Timeline bar from Jul 2003 to Mar 2004]									
172	✓	51004	Channel Coding in 45.003	Rel-6	No	G1	[Timeline bar from Jul 2003 to Mar 2004]									
173	✓	51005	Performance Requirements in 45.005	Rel-6	No	G1	[Timeline bar from Jul 2003 to Mar 2004]									
174	✓	51006	Radio subsystem link control in 45.008	Rel-6	No	G1	[Timeline bar from Jul 2003 to Mar 2004]									
175	✓	52071	Requirements in 44.004	Rel-6	No	G2	[Timeline bar from Jul 2003 to Mar 2004]									
176	Icon	<b>52072</b>	<b>Signalling and protocol support for a F</b>	<b>Rel-6</b>	<b>No</b>	<b>G2</b>	[Timeline bar from Jul 2003 to May 2004]									
177	Icon	52073	Modifications to RLC/MAC in 44.060 and 44.16	Rel-6	No	G2	[Timeline bar from Jul 2003 to May 2004]									
178	Icon	52074	Modifications to RRC in 44.118 and 44.018	Rel-6	No	G2	[Timeline bar from Jul 2003 to May 2004]									
179	✓	<b>52075</b>	<b>Security for a Flexible Layer One</b>	<b>Rel-6</b>	<b>No</b>	<b>G3; G2</b>	[Timeline bar from Jul 2003 to Sep 2003]									
180	✓	52076	Ciphering in 44.160,44.118, 44.060 and 44.018	Rel-6	No	G3; G2	[Timeline bar from Jul 2003 to Sep 2003]									
181	Icon	<b>55077</b>	<b>GERAN MS Conformance test for the FI</b>	<b>Rel-6</b>	<b>No</b>	<b>G4,G5</b>	[Timeline bar from Jan 2004 to May 2004]									
182	Icon	55078	MS Test in 51.01050085	Rel-6	No	G4,G5	[Timeline bar from Jan 2004 to May 2004]									
183	Icon	<b>55079</b>	<b>GERAN BTS Conformance test for the I</b>	<b>Rel-6</b>	<b>No</b>	<b>G3</b>	[Timeline bar from Jan 2004 to May 2004]									
184	Icon	53080	BTS Test in 51.021	Rel-6	No	G3	[Timeline bar from Jan 2004 to May 2004]									
185	✓	50041	<b>Uplink TDOA feasibility study</b>	Rel-6	No	GP	[Timeline bar from Jul 2003 to Sep 2003]									
186	Icon	<b>2544</b>	<b>Multimedia Broadcast and Multicast S</b>	<b>Rel-6</b>	<b>No</b>	<b>S1</b>	[Timeline bar from Jul 2003 to Jan 2005]									
187	✓	2545	<b>Stage 1</b>	Rel-6	No	S1	[Timeline bar from Jul 2003 to Sep 2003]									
188	Icon	<b>32002</b>	<b>Stage 2</b>	<b>Rel-6</b>	<b>No</b>	<b>S2</b>	[Timeline bar from Jul 2003 to Mar 2004]									
189	✓	32702	TR on Architectural Study	Rel-6	No	S2	[Timeline bar from Jul 2003 to Sep 2003]									
190	✓	32703	Stage 2 Specification Work. (User Service asp	Rel-6	No	S2	[Timeline bar from Jul 2003 to Mar 2004]									
191	Icon	2481	<b>Introduction of MBMS in RAN</b>	Rel-6	No	R2	[Timeline bar from Jul 2003 to Nov 2004]									
192	Icon	11030	<b>Support of the MBMS in CN protocols</b>	Rel-6	No	N1	[Timeline bar from Jul 2003 to Sep 2004]									

ID	Icon	Unique_I	Name	Release	Early	Resol	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1, 2
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193		13015	<b>Gmb interface for MBMS (CN3 part)</b>	Rel-6	No	N3										
194		33008	<b>Security Aspects of Multimedia Broadc:</b>	Rel-6	No	S3										
195		<b>50085</b>	<b>Support of MBMS in GERAN</b>	Rel-6	No	GP										
196		50086	Impact on the logical and physical channels	Rel-6	No	GP										
197		52085	Re-synchronisation at cell change	Rel-6	No	G2										
198		50098	Simultaneous support of MBMS services	Rel-6	No	GP										
199		50099	Simultaneous support of MBMS and non-MBM:	Rel-6	No	GP										
200		50100	Resynchronisation at cell change	Rel-6	No	GP										
201		50087	Decision making process between point-to-poi	Rel-6	No	GP										
202		50088	MBMS channel allocations procedures to multip	Rel-6	No	GP										
203		50089	Changes to the Gb interface	Rel-6	No	GP										
204		50090	GERAN specific changes to the lu-ps interface	Rel-6	No	GP										
205		50091	Interaction between MBMS and lu-flex	Rel-6	No	GP										
206		50092	Security aspects	Rel-6	No	GP										
207		53081	MS conformance tests- G3	Rel-6	No	G3										
208		55091	DELETE - MS conformance tests - G5	Rel-6	No	G5										
209		<b>31045</b>	<b>MBMS User Services</b>	Rel-6	No	S1										
210		31044	MBMS User Services Stage 1	Rel-6	No	S1										
211		34026	Definition of MBMS user services, media coder	Rel-6	No	S4										
212		<b>31006</b>	<b>Speech Recognition and Speech Enabl</b>	Rel-6	No	S1										
213		31007	<b>Speech Enabled Services Based on Dis</b>	Rel-6	No	S1										
214		32999	<b>TR on Architectural impacts</b>	Rel-6	No	S2										
215		34700	<b>Codec Work to Support Speech Recog</b>	Rel-6	No	S4										
216		60004	<b>Multimodal support</b>	Rel-6	No	OMA										
217		<b>31008</b>	<b>Generic User Profile</b>	Rel-6	No	S1										
218		31009	<b>Stage 1 - Requirements</b>	Rel-6	No	S1										
219		32008	<b>Stage 2 - Architecture</b>	Rel-6	No	S2										
220		42002	<b>Stage 2 - Data Description Method</b>	Rel-6	No	T2										
221		42003	<b>Stage 3 - Common objects</b>	Rel-6	No	T2										
222		14008	<b>Stage 3 - Network</b>	Rel-6	No	N4										
223		33009	<b>Security Aspects</b>	Rel-6	No	S3										
224		<b>31010</b>	<b>Digital Rights Management</b>	Rel-6	No	S1										

ID	Icon	Unique_I	Name	Release	Early	Resol	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1, 2
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225	✓	31011	<b>Requirements</b>	Rel-6	No	S1										
226		31037	<b>Monitoring of Stages 2 and 3 progress</b>	Rel-6	No	S1										
227		33001	<b>Monitoring of Security (work done by O</b>	Rel-6	No	S3										
228		60005	<b>Stage 2</b>	Rel-6	No	OMA										
229		60006	<b>Stage 3</b>	Rel-6	No	OMA										
230		<b>31012</b>	<b>WLAN-UMTS Interworking</b>	<b>Rel-6</b>	<b>No</b>	<b>S1</b>										
231	✓	31020	<b>Technical Report</b>	Rel-6	No	S1										
232		31035	<b>Stage 1</b>	Rel-6	No	S1										
233	✓	32018	<b>Architecture Definition for scenarii 2 an</b>	Rel-6	No	S2										
234		32704	<b>Security</b>	Rel-6	No	S3										
235		14013	<b>Stage 3 - CN4 aspects</b>	Rel-6	No	N4										
236		13019	<b>Stage 3 - CN3 aspects (Wi Interface for</b>	Rel-6	No	N3										
237		11042	<b>Stage 3 for scenario 2</b>	Rel-6	No	N1										
238		11047	<b>Stage 3 for scenario 3</b>	Rel-6	No	N1										
239		<b>31015</b>	<b>Priority Service</b>	<b>Rel-6</b>	<b>No</b>	<b>S1</b>										
240	✓	31016	<b>Feasibility Study</b>	Rel-6	No	S1										
241	✓	31017	<b>Stage 1 - Requirements</b>	Rel-6	No	S1										
242		31041	<b>Multimedia Priority Service</b>	Rel-6	No	S1										
243	✓	31043	<b>Priority service implementation guide</b>	Rel-6	No	S1										
244		<b>31018</b>	<b>Network Sharing</b>	<b>Rel-6</b>	<b>No</b>	<b>S1</b>										
245	✓	31019	<b>Technical Report</b>	Rel-6	No	S1										
246	✓	31038	<b>Stage 1 - CRs to implement Network Sh</b>	Rel-6	No	S1										
247		32044	<b>Stage 2</b>	Rel-6	No	S2										
248		11043	<b>Network sharing - stage 3</b>	Rel-6	No	N1										
249		22004	<b>Enhancement of the support of network</b>	Rel-6	No	R2										
250		<b>32016</b>	<b>QoS Improvements</b>	<b>Rel-6</b>	<b>No</b>	<b>S2</b>										
251	✓	32017	<b>FS on Dynamic Policy control enhance</b>	Rel-6	No	S2										
252	✓	32059	<b>Definition of the Gq interface</b>	Rel-6	No	S2										
253		13016	<b>Gq interface specification for Dynamic</b>	Rel-6	No	N3										
254		<b>33002</b>	<b>Subscriber certificates</b>	<b>Rel-6</b>	<b>No</b>	<b>S3</b>										
255		32705	<b>Stage 1</b>	Rel-6	No	S3										
256	✓	32706	<b>Architecture review</b>	Rel-6	No	S2										



























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257		14504	<b>Stage 3</b>	Rel-6	No	N4										
258		11045	<b>Stage 3 Ua &amp; Ub interfaces</b>	Rel-6	No	N1										
259		60007	<b>OMA dependencies on Subscriber certi</b>	Rel-6	No	OMA										
260		<b>15010</b>	<b>Rel-6 OSA enhancements</b>	Rel-6	No	S1										
261		31040	<b>Scope of the Open Service Access Rel</b>	Rel-6	No	S1										
262		15026	<b>Multi Media Messaging function</b>	Rel-6	No	N5										
263		15028	<b>Policy management extensions</b>	Rel-6	No	N5										
264		15029	<b>TS on Presence and Availability Manag</b>	Rel-6	No	N5										
265		15032	<b>OSA interfaces at different levels of abs</b>	Rel-6	No	N5										
266		15033	<b>Introduction of migration support mech</b>	Rel-6	No	N5										
267		15034	<b>User Profile</b>	Rel-6	No	N5										
268		15036	<b>Framework Function for Federation</b>	Rel-6	No	N5										
269		60008	<b>OMA dependencies on OSA</b>	Rel-6	No	OMA										
270		<b>50401</b>	<b>Addition of frequency bands to GSM</b>	Rel-6	No	GP										
271		<b>50094</b>	<b>Addition of frequency bands to GSM – (</b>	Rel-6	No	G1										
272		51102	Changes to core specs	Rel-6	No	G1										
273		<b>54102</b>	<b>Addition of frequency bands to GSM – (</b>	Rel-6	No	G4										
274		54103	51.010-1 Add testing	Rel-6	No	G4										
275		<b>50130</b>	<b>Seamless support of streaming service</b>	Rel-6	No	GP										
276		<b>51131</b>	<b>Identification of requirements for stream</b>	Rel-6	No	G1										
277		51133	Requirements	Rel-6	No	G1										
278		<b>51132</b>	<b>Performance study of cell change mecl</b>	Rel-6	No	G1										
279		51134	Performance of NACC	Rel-6	No	G1										
280		51135	Performance of cell change in DTM for the PS c	Rel-6	No	G1										
281		51136	Handover	Rel-6	No	G1										
282		<b>52131</b>	<b>Reduction of service interruption times</b>	Rel-6	No	G2										
283		52133	Optimisations of existing mechanisms/procedu	Rel-6	No	G2										
284		52134	Inter-system NACC	Rel-6	No	G2										
285		52135	PS Handover (within GERAN and between GEF	Rel-6	No	G2										
286		52136	Dependency to other features	Rel-6	No	G2										
287		<b>54131</b>	<b>MS conformance testing</b>	Rel-6	No	G3										
288		54132	MS conformance tests	Rel-6	No	G4;G5										

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289	33013	<b>GERAN A/Gb mode security enhancem</b>	Rel-6	No	S3										
290	34300	<b>Performance characterisation of defau</b>	Rel-6	No	S4										
291	31030	<b>Study on Privacy Capability</b>	Rel-6	No	S1										
292	<b>35010</b>	<b>OAM&amp;P</b>	<b>Rel-6</b>	<b>No</b>	<b>S5</b>										
293	35011	<b>Principles, high level Requirements an</b>	Rel-6	No	S5										
294	35012	<b>Performance Management</b>	Rel-6	No	S5										
295	35014	<b>Network Infrastructure Management</b>	Rel-6	No	S5										
296	<b>35015</b>	<b>Trace Management</b>	<b>Rel-6</b>	<b>No</b>	<b>S5</b>										
297	35022	Subscriber and UE trace management	Rel-6	No	S5										
298	23013	Subscriber and equipment trace in UTRAN	Rel-6	No	R3										
299	11046	SIP enhancements for trace	Rel-6	No	N1										
300	<b>35016</b>	<b>Charging Management</b>	<b>Rel-6</b>	<b>No</b>	<b>S5</b>										
301	35017	<b>Charging Management for Bearer level</b>	Rel-6	No	S5										
302	35018	<b>Charging Management for the IMS</b>	Rel-6	No	S5										
303	35019	<b>Charging Management for the Service</b>	Rel-6	No	S5										
304	<b>32030</b>	<b>Overall architectural aspects of IP flow</b>	<b>Rel-6</b>	<b>No</b>	<b>S2</b>										
305	32069	Overall definition of FBC architecture	Rel-6	No	S2										
306	32070	Study on providing policy control with FBC	Rel-6	No	S2										
307	<b>1800</b>	<b>Rel-6 UICC/USIM enhancements and i</b>	<b>Rel-6</b>	<b>No</b>	<b>T3</b>										
308	<b>1802</b>	<b>UICC API</b>	<b>Rel-6</b>	<b>No</b>	<b>T3</b>										
309	43001	Java API Test specification	Rel-6	No	T3										
310	43003	Java API Test specification (TS 43.019 Rel-5)	Rel-6	No	T3										
311	43006	2G/3G Java Card™ API based applet interworl	Rel-6	No	T3										
312	<b>43004</b>	<b>Rel-6 USIM toolkit enhancements</b>	<b>Rel-6</b>	<b>No</b>	<b>T3</b>										
313	<b>502031</b>	<b>C SIM API</b>	<b>Rel-6</b>	<b>No</b>	<b>T3</b>										
314	502032	Specification	Rel-6	No	T3										
315	502033	Test specification	Rel-6	No	T3										
316	<b>34022</b>	<b>Packet Switched Streaming Services f</b>	<b>Rel-6</b>	<b>No</b>	<b>S4</b>										
317	31039	<b>Stage 1</b>	Rel-6	No	S1										
318	34024	<b>Stage 3</b>	Rel-6	No	S4										
319	34023	<b>AMR-WB extension for high audio qua</b>	Rel-6	No	S4										
320	34027	<b>Codec Enhancements for Packet Switc</b>	Rel-6	No	S4										

ID	Icon	Unique_ID	Name	Release	Early	Resol	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1, 2
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321		34028	<b>3G-324M Improvements</b>	Rel-6	No	S4										
322		51101	<b>Single Antenna Receiver Interference</b>	Rel-6	No	GP,G1										
323		<b>50500</b>	<b>Support of Conversational Services in</b>	<b>Rel-6</b>	<b>No</b>	<b>GP</b>										
324	✓	50501	<b>Creation of a TR</b>	Rel-6	No	GP										
325		50502	<b>Stage 2</b>	Rel-6	No	GP										
326		50503	<b>Radio Channel Support</b>	Rel-6	No	GP										
327		50504	<b>Definition of radio resource managemen</b>	Rel-6	No	GP,G2										
328		50505	<b>PS Handover</b>	Rel-6	No	GP										
329		50506	<b>Modifications to FLO</b>	Rel-6	No	GP,G2										
330	✓	<b>12006</b>	<b>Enhancement of dialled service for CA</b>	<b>Rel-6</b>	<b>No</b>	<b>S1</b>										
331	✓	12007	Stages 2 and 3	Rel-6	No	N2										
332	✓	32060	<b>Bandwidth and resource savings in CS</b>	Rel-6	No	S2										
333		33018	<b>FS on (U)SIM Security Reuse by Perip</b>	Rel-6	No	S3										
334		<b>50600</b>	<b>Multiple TBF in A/Gb mode</b>	<b>Rel-6</b>	<b>No</b>	<b>3P,G2</b>										
335	✓	<b>50601</b>	<b>Multiple TBF in A/Gb mode</b>	<b>Rel-6</b>	<b>No</b>	<b>3P,G2</b>										
336	✓	50602	Multiple TBF Concept paper	Rel-6	No	GP,G2										
337	✓	50603	Multiple TBF Stage 2 (43.064) CRs	Rel-6	No	GP,G2										
338	✓	50604	Multiple TBF Stage 3 (44.060) CRs	Rel-6	No	GP,G2										
339		50605	<b>Multiple TBF in A/Gb mode – MS testin</b>	Rel-6	No	G3										
340		<b>50096</b>	<b>Alignment between the test-regimes fo</b>	<b>Rel-6</b>	<b>No</b>	<b>G3</b>										
341		50097	Determine the controversial test cases in the differe	Rel-6	No	G3										
342	✓	50444	<b>Addition of U-TDOA in the CS domain</b>	Rel-6	No	GP										
343		50445	<b>Addition of U-TDOA in the PS domain</b>	Rel-6	No	GP										
344		<b>50101</b>	<b>Advanced Receiver Performance</b>	<b>Rel-6</b>	<b>No</b>	<b>GP</b>										
345		50102	<b>ARP test scenarios</b>	Rel-6	No	GP										
346		<b>50103</b>	<b>ARP for GMSK modulated voice servic</b>	<b>Rel-6</b>	<b>No</b>	<b>GP</b>										
347		50104	Performance requirements in 45.005	Rel-6	No	GP										
348		50105	Radio subsystem link control in 45.008	Rel-6	No	GP										
349		<b>50106</b>	<b>ARP for GPRS and EGPRS MCS1-MCS4</b>	<b>Rel-6</b>	<b>No</b>	<b>GP</b>										
350		50107	Performance requirements in 45.005	Rel-6	No	GP										
351		50108	Radio subsystem link control in 45.008	Rel-6	No	GP										

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353	50116	GERAN MS Conformance test for ARP	Rel-6	No	G3										
354	50109	Reduction of PS service interruption i	Rel-6	No	G2										
355	50110	Use case and requirement definition	Rel-6	No	G2										
356	50111	Performance Study of Current Procedu	Rel-6	No	G2										
357	50112	Reduction of service interruption times	Rel-6	No	G2										
358	50113	MS Conformance testing	Rel-6	No	G3										
359	50114	BTS Conformance testing	Rel-6	No	G3										
360	12008	CAMEL prepay interworking with SCUI	Rel-6	No	N4										
361	31046	Circuit Switched Video and Voice Serv	Rel-6	No	S1										
362	31047	Stage 1 - Requirements	Rel-6	No	S1										
363	32071	Stage 2 Study on architecture alternati		No	S2										
364	32072	Stage 2 description on Redial		No	S2										
365	13017	DELETE - CN3 Part	Rel-6	No	N3										
366	52137	GERAN2 Part	Rel-6	No	G2										
367	32064	Access Class Barring and Overload Pr		No	S2										
368	32065	TR on Stage 2		No	S2										
369	20009	Extra ACBOP information in RAN		No	RP										
370	50117	Extra ACBOP information in GERAN		No	GP										
371	20010	Potential impact on lu interface Overlo.		No	RP										
372	32066	Combining CS bearers with IMS		No	S2										
373	32067	TR on Alternative Architectures for Co		No	S2										
374	31048	USSD message delivery and transfer t		No	S1										

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Critical		Rolled Up Critical Split	
Critical Split		Rolled Up Critical Progress	
Critical Progress		Rolled Up Task	
Task		Rolled Up Split	
Split		Rolled Up Task Progress	
Task Progress		Rolled Up Baseline	
Baseline		Rolled Up Baseline Milestone	
Baseline Split		Rolled Up Milestone	
Baseline Milestone		External Tasks	
Milestone		Project Summary	
Summary Progress		External Milestone	
Summary		Deadline	
Rolled Up Critical	