

3GPP Work Plan – Cover page
Version 2004, December 6th

Introduction

This cover sheet contains 3 parts:

Part 1: Specific comments for this version

Part 2: General recurrent information

Part 3: History

The last version of the Work Plan and all the related documents (cover page, PDF views, etc) are available at:

ftp://ftp.3gpp.org/information/work_plan

For comments on a specific line, contact the MCC support for the WG or TSG responsible of the given task (to know who at MCC is responsible of a given WG or TSG, look at:

http://www.3gpp.org/About_3GPP/structure.htm).

For comment on a Feature, contact the feature's responsible MCC support.

For general comments, contact the Work Plan manager at: alain.sultan@etsi.org , mentioning in the e-mail subject "General comment on the Work Plan".

Specific comments for this version

Main changes between versions 29 October and 6 December 2004

Updates from the following groups have been incorporated:

SA1, SA2, SA3, SA4, SA5

CN1

T2, T3

GERAN

Detailed changes

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

General recurrent information

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

General description

The Work Plan is a living document, aiming at providing co-operations between all the 3GPP TSGs and WGs to help them reaching common targets.

These targets are called “**Features**”, and are new or substantially enhanced functionality which represents added value to the existing system. A feature should normally embody an improved service to the customer and / or increased revenue generation potential to the supplier. The features are divided into “**Building Blocks**”, a BB being a set of technical functionality which would generally be expected to reside in a single system element, i.e. a single physical or logical entity or a single protocol. The Building Blocks are divided into “**Work Tasks**”, a WT being by definition handled by a single Working Group. The output of a work task is the creation of one or more new Technical Specifications (or Reports) and / or Change Requests to existing TSs / TRs.

These definitions are extracted from SP-000109.

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

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

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

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

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

Attributes applicable to a WI

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

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

17. WI rapporteur e-mail
18. MCC responsible: defines who in MCC is responsible in monitoring the overall Feature.
19. Notes (free field).

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

How the changes on the Work Plan are tracked?

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

Global level

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

The global level shall at least:

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

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

Detailed level

The detailed level is a set of comments provided in the “notes” field text of each modified WI (a WI is identified by its Unique ID).

Even at the “detailed level”, not all the modifications have to be mentioned: some fields are by nature subject to constant updates (e.g. “% completed”), so it would be a waste of time to keep track of these changes.

The fields subject to change tracking are the following ones:

- Name
- Release
- 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.

Content of this package:

1) Master:

Work_Plan_3GPP_Rel6_041206_MP98.mpp Work Plan in MS Project 98 format
(contains all WI attributes and Gantt view)

Work_Plan_3GPP_Rel6_041206.mpp Work Plan in MS Project 2000 format
(contains all WI attributes and Gantt view)

2) Cover page:

Work_plan_cover_041206.doc Cover page - contains explanations and
informations on last changes

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

Work_Plan_3GPP_Rel6_041206.xls Work Plan in Excel format (contains
most of the WI attributes but not the Gantt chart)

Work_Plan_3GPP_Rel6_041206.pdf PDF view of the Work Plan (shows Gantt
Chart)

ID	Unique_	Name	Release	Early	Resou	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1,
						Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
1	2044	VERSION 2004 December 6th	Rel	No											
2	1462	"CTRL + a" to display all the 3GPP fields		No											
3	2058	Content of Rel-6 and Rel-7. Not frozen.	Rel	No											
4	0		Rel	No											
5	2	Rel-6 Evolutions of the transport in the UTRAN	NA	No	RP										
6	1216	Rel-6 Improvements of Radio Interface	Rel-6	No	RP										
7	24006	Improving Receiver Performance Requirements for the FDD UI	Rel-6	No	R4										
8	24004	Base station classification	Rel-6	No	R4										
9	1476	FDD Base station classification	Rel-6	No	R4										
10	24007	UMTS-850	Rel-6	No	R4										
11	24009	DS-CDMA introduction in the 800 MHz band	Rel-6	No	R4										
12	24010	UMTS 1.7/2.1 GHz	Rel-6	No	R4										
13	24013	Improved Receiver Performance Requirements for HSDPA	Rel-6	No	R4										
14	20011	Improved Minimum Performance Requirements for HSDPA UE categc	Rel-6	No	R4										
15	24014	Performance Requirements of Receive Diversity for HSDPA	Rel-6	No	R4										
16	3	Rel-6 RAN Feasibility Studies	Rel-6	No	RP										
17	23007	FS of the improved access to UE measurement data for CRNC	Rel-6	No	R3										
18	1506	FS on Radio link performance enhancements	Rel-6	No	R1										
19	21000	FS on Improvement of inter-frequency and inter-system meas	Rel-6	No	R1										
20	21003	FS for the analysis of OFDM for UTRAN enhancement	Rel-6	No	R1										
21	21004	FS on Uplink Enhancements for Dedicated Transport Channels	Rel-6	No	R1										
22	21005	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	Rel-6	No	R1										
23	24011	FS on Low Output Powers for general purpose FDD BSs	Rel-6	No	R3										
24	21007	FS on Uplink enhancements for UTRA TDD	Rel-6	No	R1										
25	24005	FS on UE antenna efficiency test methods performance requir	Rel-6	No	R4										
26	23006	FS on the evolution of the UTRAN architecture	Rel-6	No	R3										
27	20003	FDD Enhanced Uplink	Rel-6	No	RP										
28	20004	FDD Enhanced Uplink - Stage 2	Rel-6	No	R2										
29	20005	FDD Enhanced Uplink - Physical Layer	Rel-6	No	R1										
30	20006	FDD Enhanced Uplink - Layer 2 and 3 Protocol Aspects	Rel-6	No	R2										
31	20007	FDD Enhanced Uplink - UTRAN Iub/Iur Protocol Aspects	Rel-6	No	R3										
32	20008	FDD Enhanced Uplink - RF Radio Transmission/ Reception, Sy	Rel-6	No	R4										
33	9	Rel-6 RAN improvements	Rel-6	No	RP										
34	624	RAB support enhancement	Rel-6	No	R2										
35	23009	Iu enhancements for IMS support in RAN	Rel-6	No	R3										
36	21008	Optimisation of downlink channelisation code utilisation	Rel-6	No	R1										

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							Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
37		21009	Optimisation of channelisation code utilisation for TDD	Rel-6	No	R1										
38		20013	HS-DPCCH ACK/NACK Enhancement	Rel-6	No	R1										
39		23005	<i>Deleted - Improvement of RRM across RNS and RNS/BSS</i>	Rel-6	No	R3										
40		20999	Beamforming Enhancements	Rel-6	No	R1										
41		23012	Rel6 RRM optimization for lur and lub	Rel-6	No	R3										
42		23014	<i>Deleted- Improved access to UE measurement data for CRNC to support</i>	Rel-6	No	R3										
43		23010	Remote Control of Electrical Tilting Antennas	Rel-6	No	R3										
44		23015	Tilting Antenna - RAN aspects	Rel-6	No	R3										
45		35023	OAM&P impacts	Rel-6	No	S5										
46		23011	Network Assisted Cell Change (NACC) from UTRAN to GERAN	Rel-6	No	R3										
47		32023	Location Services enhancements 2	Rel-6	No	S2										
48		32024	Improvement on Le interface	Rel-6	No	S2										
49		32051	Stage 2	Rel-6	No	S2										
50		32053	Stage 3 - impacts MLP (Mobile Location Protocol)	Rel-6	No	OMA										
51		32001	Enhanced support for anonymity and user privacy	Rel-6	No	S2										
52		32047	Stage 2	Rel-6	No	S2										
53		32054	Stage 3 - impacts MLP and RLP	Rel-6	No	OMA										
54		32025	Enhanced inter-GMLC interface	Rel-6	No	S2										
55		32048	Stage 2	Rel-6	No	S2										
56		32055	Stage 3 - definition of RLP and PCP	Rel-6	No	OMA										
57		32012	Location Services support for IMS public identities	Rel-6	No	S2										
58		32049	Stage 2	Rel-6	No	S2										
59		32056	Stage 3 - impacts MLP, RLP and PCP	Rel-6	No	OMA										
60		32026	New area event for location service triggering reports	Rel-6	No	S2										
61		32050	Stage 2	Rel-6	No	S2										
62		14015	Stage 3 for UE-CN signalling	Rel-6	No	N4										
63		32057	Stage 3 - impacts MLP, RLP and PCP	Rel-6	No	OMA										
64		20001	UE positioning	Rel-6	No	RP										
65		2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Re	Rel-6	No	R2										
66		24012	A-GPS minimum performance specification	Rel-6	No	R4										
67		22002	FS on Enhancements to OTDOA Positioning using advanced blanking	Rel-6	No	R2										
68		2457	<i>Deleted - UE positioning enhancements - other methods</i>	Rel-6	No	R2										
69		35035	LCS charging	Rel-6	No	S5										
70		1571	Rel-6 Security enhancements	Rel-6	No	S3										
71		2026	Enhanced HE control of security (including positive authentica	Rel-6	No	S3										
72		2027	Stage 2	Rel-6	No	S3										
73		33006	Network domain security	Rel-6	No	S3										

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74	33007	IP network layer security (NDS/IP)	Rel-6	No	S3	■	■								
75	33017	Network Domain Security; Authentication Framework (NDS/AF)	Rel-6	No	S3	■	■	■							
76	33019	Key Management of group keys for Voice Group Call Services	Rel-6	No	S3			■	■	■	■	■	■	■	■
77	32021	IMS Phase 2	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
78	14014	Enhancements to the Cx and Sh interfaces	Rel-6	No	N4	■	■	■	■	■	■	■	■	■	■
79	31025	IMS Group Management	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
80	31026	Stage 1 - TS on IMS group management	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
81	32036	Stage 2	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
82	11036	Stage 3 for IMS Group management (e.g. chat)	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
83	11037	IMS Conferencing	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
84	32037	Stage 2	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
85	32038	Stage 3	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
86	31022	IMS Messaging	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
87	31023	TR on support of messaging in the IMS	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
88	31034	Stage 1 22.340	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
89	31033	CRs to 22.140 & 22.228	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
90	32700	Stage 2	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
91	11039	Stage 3 for IMS Messaging	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
92	60001	SIP/SIMPLE Instant messaging	Rel-6	No	OMA	■	■	■	■	■	■	■	■	■	■
93	11040	Additional SIP Capabilities support not covered by Rel-5	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
94	32041	Stage 2 for add SIP cap (e.g. forking)	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
95	32042	Stage 3 for Additional SIP Capabilities	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
96	11041	Review additional SIP Capabilities against IMS	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
97	2048	Interworking between IMS and IP networks	Rel-6	No	N3	■	■	■	■	■	■	■	■	■	■
98	13004	Interworking for 3GPP_SIP and IETF_SIP	Rel-6	No	N3	■	■	■	■	■	■	■	■	■	■
99	13005	Interworking for IPv6 to IPv4	Rel-6	No	N3	■	■	■	■	■	■	■	■	■	■
100	11044	Interworking for IPv6 to IPv4 (SIP / SDP aspects)	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
101	11017	stage 3 of interworking with non-IMS IP networks	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
102	2047	Interworking between IMS and CS networks	Rel-6	No	N3	■	■	■	■	■	■	■	■	■	■
103	14001	Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)	Rel-6	No	N4	■	■	■	■	■	■	■	■	■	■
104	31036	Study of subscriber and operators relationship in IMS and rel	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
105	33012	Lawful Interception in the 3GPP Rel-6 architecture	Rel-6	No	S3	■	■	■	■	■	■	■	■	■	■
106	31042	IMS Subscription and access scenarios	Rel-6	No	S1	■	■	■	■	■	■	■	■	■	■
107	35032	IMS charging	Rel-6	No	S5	■	■	■	■	■	■	■	■	■	■
108	11051	IMS Management objects	Rel-6	No	N1	■	■	■	■	■	■	■	■	■	■
109	32027	<i>Deleted - Stage 2 of IMS Phase 2</i>	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■
110	32063	3GPP Enablers for services like Push to Talk over Cel	Rel-6	No	S2	■	■	■	■	■	■	■	■	■	■

ID	Unique_	Name	Release	Early	Resou	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1,
						Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
111	32068	Feasibility Study	Rel-6	No	S2										
112	60002	Dependencies on OMA PoC	Rel-6	No	OMA										
113	34029	Selection of one or more PoC codec(s) for PoC	R6	No	S4										
114	35036	PoC charging	Rel-6	No	S5										
115	32062	Interworking aspects and migration scenarios for IPv.	Rel-6	No	S2										
116	11032	Interoperability and Commonality between IMS using	Rel-6	No	S2										
117	32028	Stage 2 for Interoperability	Rel-6	No	S2										
118	32061	Stage 2 for commonality	Rel-6	No	S2										
119	11033	Stage 3	Rel-6	No	N1										
120	1365	Support of Push Services	Rel-6	No	S1										
121	31004	Stage 1	Rel-6	No	S1										
122	32701	TR 23.976 on Push Architecture	Rel-6	No	S2										
123	42009	Multimedia Messaging (MMS) enhancements	Rel-6	No	T2										
124	42010	Definition of service requirements	Rel-6	No	S1										
125	31031	Definition of service requirements charging	Rel-6	No	S1										
126	42011	Technical realization	Rel-6	No	T2										
127	42012	OMA dependencies	Rel-6	No	OMA										
128	42013	MMS formats and codecs	Rel-6	No	S4										
129	42014	Handling of private addressing schemes in MMS	Rel-6	No	T2										
130	42015	Deleted - FS Multiple MMS Relay/Server Architecture	Rel-6	No	T2										
131	35034	MMS charging	Rel-6	No	S5										
132	42005	Rel-6 MExE enhancements	Rel-6	No	T2										
133	42006	MExE Rel-6 Improvements and Investigations	Rel-6	No	T2										
134	42007	MExE Run-Time Independent Framework Feasibility Study	Rel-6	No	T2										
135	2062	Subscription Management	Rel-6	No	S5										
136	2499	Presence Capability	Rel-6	No	S1										
137	2501	Stage 1	Rel-6	No	S1										
138	2502	Stage 2	Rel-6	No	S2										
139	2503	Stage 3	Rel-6	No	N1										
140	13018	Stage 3 (CN3 Part Pk interface)	Rel-6	No	N3										
141	34025	Media Codecs and Formats for IMS Messaging and Presence	Rel-6	No	S4										
142	2504	Security issues	Rel-6	No	S3										
143	60003	SIMPLE Presence	Rel-6	No	OMA										
144	50056	Enhanced A/Gb feasibility study	Rel-6	No	GP										
145	50057	Feasibility study on A/Gb enhancements	Rel-6	No	G2										
146	50080	Requirements for the support of conversational services	Rel-6	No	GP										
147	50084	Identification of the different building blocks for the provision of conver	Rel-6	No	GP										

ID	Unique_	Name	Release	Early	Resou	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1,
						Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
148	50093	Outline of impact and feasibility of these building blocks and their diff	Rel-6	No	GP										
149	50081	Impact on 3GPP architecture and requirement to co-ordinatge with oth	Rel-6	No	GP										
150	50082	Standardisation effort	Rel-6	No	GP										
151	50083	Dependency to other features	Rel-6	No	GP										
152	50063	Flexible Layer One for GERAN	Rel-6	No	GP										
153	50064	Realisation of a Flexible Layer One	Rel-6	No	GP										
154	50065	Technical Report	Rel-6	No	GP										
155	51002	Architecture in 45.001 and 43.051	Rel-6	No	G1										
156	51003	Multiplexing in 45.002	Rel-6	No	G1										
157	51004	Channel Coding in 45.003	Rel-6	No	G1										
158	51005	Performance Requirements in 45.005	Rel-6	No	G1										
159	51006	Radio subsystem link control in 45.008	Rel-6	No	G1										
160	52071	Requirements in 44.004	Rel-6	No	G2										
161	52072	Signalling and protocol support for a Flexible Layer One	Rel-6	No	G2										
162	52073	Modifications to RLC/MAC in 44.060 and 44.160	Rel-6	No	G2										
163	52074	Modifications to RRC in 44.118 and 44.018	Rel-6	No	G2										
164	52075	Security for a Flexible Layer One	Rel-6	No	G2										
165	52076	Ciphering in 44.160,44.118, 44.060 and 44.018	Rel-6	No	G2										
166	55077	GERAN MS Conformance test for the Flexible Layer One	Rel-6	No	G3,G5										
167	55078	MS Test in 51.010	Rel-6	No	G3,G5										
168	55079	GERAN BTS Conformance test for the Flexible Layer One	Rel-6	No	G3										
169	53080	BTS Test in 51.021	Rel-6	No	G3										
170	50041	Uplink TDOA feasibility study	Rel-6	No	GP										
171	2544	Multimedia Broadcast and Multicast Service	Rel-6	No	S1										
172	2545	Stage 1	Rel-6	No	S1										
173	32002	Stage 2	Rel-6	No	S2										
174	32702	TR on Architectural Study	Rel-6	No	S2										
175	32703	Stage 2 Specification Work	Rel-6	No	S2										
176	2481	Introduction of MBMS in RAN	Rel-6	No	R2										
177	20022	Introduction of MBMS in RAN (physical & upper layers, access network	Rel-6	No	R2										
178	20020	UE Performance Requirements for MBMS	Rel-6	No	R4										
179	11030	Support of the MBMS in CN protocols	Rel-6	No	N1										
180	13015	Gmb interface for MBMS (CN3 part)	Rel-6	No	N3										
181	33008	Security Aspects of MBMS	Rel-6	No	S3										
182	50085	Support of MBMS in GERAN	Rel-6	No	GP										
183	50086	Impact on the logical and physical channels	Rel-6	No	GP										
184	52085	Re-synchronisation at cell change	Rel-6	No	G2										

ID	Icon	Unique_	Name	Release	Early	Resou	Qtr 3, 2003			Qtr 1, 2004			Qtr 3, 2004			Qtr 1,
							Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan
185		50098	Simultaneous support of MBMS services	Rel-6	No	GP										
186		50099	Simultaneous support of MBMS and non-MBMS services	Rel-6	No	GP										
187		50100	Resynchronisation at cell change	Rel-6	No	GP										
188		50087	Decision making process between point-to-point or pont-to-multipoint	Rel-6	No	GP										
189		50088	MBMS channel allocations procedures to multiple MSs	Rel-6	No	GP										
190		50089	Changes to the Gb interface	Rel-6	No	GP										
191		50090	GERAN specific changes to the lu-ps interface	Rel-6	No	GP										
192		50091	Interaction between MBMS and lu-flex	Rel-6	No	GP										
193		50092	Security aspects	Rel-6	No	GP										
194		53081	MS conformance tests- G3	Rel-6	No	G3										
195		55091	<i>Deleted - MS conformance tests - G5</i>	Rel-6	No	G5										
196		31045	MBMS User Services	Rel-6	No	S1										
197	✓	31044	MBMS User Services Stage 1	Rel-6	No	S1										
198	Icon	34026	Definition of MBMS user services, media codecs, formats and transpo	Rel-6	No	S4										
199	Icon	35038	MBMS charging	Rel-6	No	S5										
200	Icon	31006	Speech Recognition and Speech Enabled Services	Rel-6	No	S1										
201	✓	31007	Speech Enabled Services Based on Distributed Speech Recog	Rel-6	No	S1										
202	✓	32999	TR on Architectural impacts	Rel-6	No	S2										
203	Icon	34700	Codec Work to Support Speech Recognition Framework for A	Rel-6	No	S4										
204	Icon	60004	Multimodal support	Rel-6	No	OMA										
205	Icon	11021	<i>Deleted - SES codec negotiation at SDP</i>	Rel-6	No	N1										
206	Icon	31008	Generic User Profile	Rel-6	No	S1										
207	✓	31009	Stage 1 - Requirements	Rel-6	No	S1										
208	Icon	32008	Stage 2 - Architecture	Rel-6	No	S2										
209	Icon	42002	Stage 2 - Data Description Method	Rel-6	No	N4										
210	Icon	42003	Stage 3 - Common objects	Rel-6	No	N4										
211	Icon	14008	Stage 3 - Network	Rel-6	No	N4										
212	Icon	33009	Security Aspects	Rel-6	No	S3										
213	Icon	31010	Digital Rights Management	Rel-6	No	S1										
214	✓	31011	Requirements	Rel-6	No	S1										
215	Icon	31037	<i>Deleted - Monitoring of Stages 2 and 3 progress (actual work</i>	Rel-6	No	S1										
216	✓	60005	Stage 2	Rel-6	No	OMA										
217	✓	60006	Stage 3	Rel-6	No	OMA										
218	Icon	33001	Security	Rel-6	No	OMA										
219	Icon	31012	WLAN-UMTS Interworking	Rel-6	No	S1										
220	✓	31020	Technical Report	Rel-6	No	S1										
221		31035	Stage 1	Rel-6	No	S1										

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222	31058	Global stage 1	Rel-6	No	S1										
223	31057	Session Continuity	Rel-7	No	S1										
224	32018	Architecture Definition for scenarii 2 and 3	Rel-6	No	S2										
225	32704	Security	Rel-6	No	S3										
226	14013	Stage 3 - CN4 aspects	Rel-6	No	N4										
227	13019	Stage 3 - CN3 aspects (Wi Interface for Scenario 3)	Rel-6	No	N3										
228	11042	Stage 3 for scenario 2	Rel-6	No	N1										
229	11047	Stage 3 for scenario 3	Rel-6	No	N1										
230	35033	WLAN charging	Rel-6	No	S5										
231	31015	Priority Service	Rel-6	No	S1										
232	31016	Feasibility Study	Rel-6	No	S1										
233	31017	Stage 1 - Requirements	Rel-6	No	S1										
234	31041	Multimedia Priority Service	Rel-6	No	S1										
235	31043	Priority service implementation guide	Rel-6	No	S1										
236	31018	Network Sharing	Rel-6	No	S1										
237	31019	Technical Report	Rel-6	No	S1										
238	31038	Stage 1 - CRs to implement Network Sharing	Rel-6	No	S1										
239	32044	Stage 2	Rel-6	No	S2										
240	11043	Network sharing - stage 3	Rel-6	No	N1										
241	22004	Enhancement of the support of network sharing in the UTRAN	Rel-6	No	R2										
242	32016	QoS Improvements	Rel-6	No	S2										
243	32017	FS on Dynamic Policy control enhancements for end-to-end Q	Rel-6	No	S2										
244	32059	Definition of the Gq interface	Rel-6	No	S2										
245	13016	Gq interface specification for Dynamic Policy control enhance	Rel-6	No	N3										
246	33002	Subscriber certificates	Rel-6	No	S3										
247	32705	Stage 1	Rel-6	No	S3										
248	32706	Architecture review	Rel-6	No	S2										
249	14504	Stage 3	Rel-6	No	N4										
250	11049	Stage 3 Ua & Ub interfaces	Rel-6	No	N1										
251	60007	OMA dependencies on Subscriber certificates	Rel-6	No	OMA										
252	15010	Rel-6 OSA enhancements	Rel-6	No	S1										
253	31040	Scope of the Open Service Access Release 6	Rel-6	No	S1										
254	15038	OSA Stage 2	Rel-6	No	N5										
255	15026	Multi Media Messaging function	Rel-6	No	N5										
256	15028	Policy management extensions	Rel-6	No	N5										
257	15029	TS on Presence and Availability Management (from the PRESN	Rel-6	No	N5										
258	15032	OSA interfaces at different levels of abstractions (Parlay X, W	Rel-6	No	N5										

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259	15033	Introduction of migration support mechanism	Rel-6	No	N5	█	█	█							
260	15036	Framework Function for Federation	Rel-6	No	N5	█	█	█							
261	60008	OMA potential overlaps with 3GPP OSA Stage 3 (Web services	Rel-6	No	OMA				█	█	█	█	█	█	█
262	15037	<i>Deleted - TR on Presence and Availability Management (from the PRESNC</i>	Rel-6	No	N5	█	█	█							
263	50401	Addition of frequency bands to GSM (TAPS)	Rel-6	No	GP	█	█	█							█
264	50094	Addition of frequency bands to GSM – Changes to core specs	Rel-6	No	G1	█	█	█							
265	51102	Changes to core specs	Rel-6	No	G1	█	█	█							
266	54102	Addition of frequency bands to GSM – Changes for conforman	Rel-6	No	G4	█	█	█							█
267	54103	51.010-1 Add testing	Rel-6	No	G4	█	█	█							
268	50130	Seamless support of streaming services in A/Gb mod	Rel-6	No	GP	█	█	█							█
269	51131	Identification of requirements for streaming	Rel-6	No	G1	█	█	█							
270	51133	Requirements	Rel-6	No	G1	█	█	█							
271	51132	Performance study of cell change mechanisms	Rel-6	No	G1	█	█	█							
272	51134	Performance of NACC	Rel-6	No	G1	█	█	█							
273	51135	Performance of cell change in DTM for the PS domain	Rel-6	No	G1	█	█	█							
274	51136	Handover	Rel-6	No	G1	█	█	█							
275	52131	Reduction of service interruption times and packet loss during	Rel-6	No	G2	█	█	█							
276	52133	Optimisations of existing mechanisms/procedures	Rel-6	No	G2	█	█	█							
277	52134	Inter-system NACC	Rel-6	No	G2	█	█	█							
278	52135	PS Handover (within GERAN and between GERAN and UTRAN)	Rel-6	No	G2	█	█	█							
279	52136	Dependency to other features	Rel-6	No	G2	█	█	█							
280	54131	MS conformance testing	Rel-6	No	G3				█	█					
281	54132	MS conformance tests	Rel-6	No	G4;G5				█	█					
282	33013	GERAN A/Gb mode security enhancements	Rel-6	No	S3	█	█	█							
283	34300	Performance characterisation of default codecs for P	Rel-6	No	S4	█	█	█							
284	31030	Study on Privacy Capability	Rel-6	No	S1				█	█					
285	35010	OAM&P	Rel-6	No	S5	█	█	█							
286	35011	Principles, high level Requirements and Architecture	Rel-6	No	S5	█	█	█							
287	35012	Performance Management	Rel-6	No	S5	█	█	█							
288	35014	Network Infrastructure Management	Rel-6	No	S5	█	█	█							
289	35015	Trace Management		No	S5	█	█	█							
290	35022	Subscriber and UE trace management		No	S5	█	█	█							
291	23013	Subscriber and equipment trace in UTRAN		No	R3	█	█	█							
292	11046	SIP enhancements for trace	Rel-7	No	N1				█	█	█	█	█	█	█
293	14016	Trace Management, Stage3		No	N4						█	█	█	█	█
294	35016	Charging Management	Rel-6	No	S5	█	█	█							
295	35037	Charging architecture and principles	Rel-6	No	S5	█	█	█							

























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296	35024	Charging Data Record (CDR) file format and transfer	Rel-6	No	S5										
297	35025	CDR parameter description	Rel-6	No	S5										
298	35026	Diameter charging applications	Rel-6	No	S5										
299	35027	Online Charging System (OCS) architecture study	Rel-6	No	S5										
300	35028	OCS: Applications and interfaces	Rel-6	No	S5										
301	35017	Charging Management for Bearer level	Rel-6	No	S5										
302	35029	CS domain charging	Rel-6	No	S5										
303	35030	PS domain charging	Rel-6	No	S5										
304	35031	CDR transfer	Rel-6	No	S5										
305	35018	Charging Management for the IMS	Rel-6	No	S5										
306	35019	Charging Management for the Service domain	Rel-6	No	S5										
307	32030	Overall architectural aspects of IP flow based bearer level charging	Rel-6	No	S2										
308	32069	Overall definition of FBC architecture	Rel-6	No	S2										
309	32070	Study on providing policy control with FBC	Rel-6	No	S2										
310	13020	Gx interface for flow based charging	Rel-6	No	N3										
311	13021	Rx interface for flow based charging	Rel-6	No	N3										
312	1800	Rel-6 UICC/USIM enhancements and interworking	Rel-6	No	T3										
313	1802	UICC API	Rel-6	No	T3										
314	43001	Java API Test specification	Rel-6	No	T3										
315	43003	Java API Test specification (TS 43.019 Rel-5)	Rel-6	No	T3										
316	43006	2G/3G Java Card™ API based applet interworking	Rel-6	No	T3										
317	43007	(U)SIM API for Java Card Testing Work Item	Rel-6	No	T3										
318	43004	Rel-6 USIM toolkit enhancements	Rel-6	No	T3										
319	502031	C SIM API	Rel-6	No	T3										
320	502032	Specification	Rel-6	No	T3										
321	502033	Test specification	Rel-6	No	T3										
322	34022	Packet Switched Streaming Services Rel-6	Rel-6	No	S4										
323	31039	Stage 1	Rel-6	No	S1										
324	34024	Stage 3	Rel-6	No	S4										
325	34023	AMR-WB extension for high audio quality	Rel-6	No	S4										
326	34027	Codec Enhancements for Packet Switched Conversat	Rel-6	No	S4										
327	34028	3G-324M Improvements	Rel-6	No	S4										
328	51101	Single Antenna Receiver Interference Cancellation (S	Rel-6	No	3P,G1										
329	50500	Support of Conversational Services in A/Gb mode via	Rel-6	No	GP										
330	50501	Creation of a TR	Rel-6	No	GP										
331	50502	Stage 2	Rel-6	No	GP										
332	50503	Radio Channel Support	Rel-6	No	GP										

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333	50504	Definition of radio resource management functionality	Rel-6	No	3P,G2										
334	50505	PS Handover	Rel-6	No	GP										
335	50506	Modifications to FLO	Rel-6	No	3P,G2										
336	12006	Enhancement of dialled service for CAMEL	Rel-6	No	S1										
337	12007	Stages 2 and 3	Rel-6	No	N4										
338	32060	Bandwidth and resource savings in CS networks	Rel-6	No	S2										
339	33018	FS on (U)SIM Security Reuse by Peripheral Devices o	Rel-6	No	S3										
340	50600	Multiple TBF in A/Gb mode	Rel-6	No	3P,G2										
341	50601	Multiple TBF in A/Gb mode	Rel-6	No	3P,G2										
342	50602	Multiple TBF Concept paper	Rel-6	No	3P,G2										
343	50603	Multiple TBF Stage 2 (43.064) CRs	Rel-6	No	3P,G2										
344	50604	Multiple TBF Stage 3 (44.060) CRs	Rel-6	No	3P,G2										
345	50605	Multiple TBF in A/Gb mode – MS testing	Rel-6	No	G3										
346	50096	Alignment between the test-regimes for GERAN capa	Rel-6	No	G3										
347	50097	Determine the controversial test cases in the different test regimes and alig	Rel-6	No	G3										
348	50444	Addition of U-TDOA in the CS domain	Rel-6	No	GP										
349	50445	Addition of U-TDOA in the PS domain	Rel-6	No	GP										
350	50101	Downlink Advanced Receiver Performance	Rel-6	No	GP										
351	50102	DARP test scenarios	Rel-6	No	GP										
352	50103	DARP for GMSK modulated voice services	Rel-6	No	GP										
353	50104	Performance requirements in 45.005	Rel-6	No	GP										
354	50105	Radio subsystem link control in 45.008	Rel-6	No	GP										
355	50106	DARP for GPRS and EGPRS MCS1-MCS4	Rel-6	No	GP										
356	50107	Performance requirements in 45.005	Rel-6	No	GP										
357	50108	Radio subsystem link control in 45.008	Rel-6	No	GP										
358	50115	DARP Capability signalling	Rel-6	No	GP										
359	50116	GERAN MS Conformance test for DARP	Rel-6	No	G3										
360	50109	Reduction of PS service interruption in Dual Transfer	Rel-6	No	G2										
361	50110	Use case and requirement definition	Rel-6	No	G2										
362	50111	Performance Study of Current Procedures	Rel-6	No	G2										
363	50112	Reduction of service interruption times and packet loss during	Rel-6	No	G2										
364	50113	MS Conformance testing	Rel-6	No	G3										
365	50114	BTS Conformance testing	Rel-6	No	G3										
366	12008	CAMEL prepay interworking with SCUDIF	Rel-6	No	N4										
367	31046	Circuit Switched Video and Voice Service Improve	Rel-6	No	S1										
368	31047	Stage 1 - Requirements	Rel-6	No	S1										

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370	32072	Stage 2 description on Redial	Rel-6	No	S2										
371	52137	GERAN2 Part	Rel-6	No	G2										
372	13017	CN3 Part	Rel-6	No	N3										
373	33020	Network Domain Security; MAP application layer secu	Rel-6	No	S3										
374	33021	FS on Security for early IMS	Rel-6	No	S3										
375	31029	Deleted - Study of Feature Interactions Requirements	Rel-6	No	S1										
376	0	Rel-7 Features listed below		No											
377	2468	Multiple Input Multiple Output antennas (MIMO)	Rel-7	No	R1										
378	21006	MIMO - Physical layer	Rel-7	No	R1										
379	22003	MIMO - Layer 2,3 aspects	Rel-7	No	R2										
380	23008	MIMO - Iub/Iur Protocol Aspects	Rel-7	No	R3										
381	24008	MIMO - RF Radio Transmission/Reception, System Performanc	Rel-7	No	R4										
382	32045	PS domain and IMS impacts for supporting IMS Emerg	Rel-7	No	S2										
383	1314	Service Requirements for IP-based emergency calls	Rel-7	No	S1										
384	32046	Stage 2 for IMS-level solution	Rel-7	No	S2										
385	32080	Stage 2 for GPRS-level solution	Rel-7	No	S2										
386	1653	Emergency Call Enhancements for IP& PS Based Calls – stage	Rel-7	No	N1										
387	1315	SIP emergency calls and packet emergency calls signalling flows	Rel-7	No	N1										
388	1646	Stage 3 for emergency calls and packet emergency calls in general	Rel-7	No	N1										
389	32064	Access Class Barring and Overload Protection	Rel-7	No	S2										
390	32065	TR on Stage 2		No	S2										
391	50117	Extra ACBOP information in GERAN		No	GP										
392	11048	Stage 3 CN aspects of ACBOP		No	N1										
393	20010	Deleted - Potential impact on Iu interface Overload functionality		No	RP										
394	20009	Deleted - Extra ACBOP information in RAN		No	RP										
395	31048	USSD message delivery and transfer to USIM	Rel-7	No	S1										
396	31060	Stage 1		No	S1										
397	43008	WI on Alignment with requirements regarding USSD usage		No	T3										
398	32079	Location Services enhancements Rel-7	Rel-7	No	S2										
399	31052	LCS for 3GPP Interworking WLAN	Rel-7	No	S1										
400	32077	Feasibility study on 3GPP system to Wireless Local Area Network (WLA	Rel-7	No	S1										
401	20012	Inclusion of Uplink TDOA UE positioning method in the UTRAN specificati	Rel-7	No	R2										
402	31051	Toward A-GNSS concept	Rel-7	No	S1										
403	50548	Toward A-GNSS concept	Rel-7	No	GP										
404	32029	FS on applicability of GALILEO for LCS	Rel-7	No	S2										
405	32058	TR on Stage 2	Rel-7	No	S2										

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						Jul	Sep	Nov	Jan	Mar	May	Jul	Sep	Nov	Jan	
407	31049	Enhancements of VGCS in public networks for commu	Rel-7	No	S1											
408	31061	Stage 1	Rel-7	No	S1											
409	11045	Enhancements of VGCS in public networks for communication	Rel-7	No	N1											
410	31050	Behaviour of Multi system UEs	Rel-7	No	S1											
411	31053	Selective Disabling of UE Capabilities	Rel-7	No	S1											
412	31054	FS on IMS with real time services deployment	Rel-7	No	S1											
413	31055	Combining CS calls and IMS sessions	Rel-7	No	S1											
414	32076	IMS services using CS bearers	Rel-7	No	S2											
415	31059	All-IP Network Feasibility Study	Rel-7	No	S1											
416	32073	Enhancement of E2E QoS	Rel-7	No	S2											
417	32074	System enhancements for fixed broadband access to	Rel-7	No	S2											
418	32075	Stage 2	Rel-7	No	S2											
419	11050	Protocol impact from providing IMS services via fixed broadband	Rel-7	No	N1											
420	32078	Deleted - IMS Phase 3	Rel-7	No	S2											
421	32005	IMS Local services (CN WID needed)	Rel-7	No	S2											
422	32019	Stage 2 (SA2 propose delete this)	Rel-7	No	S2											
423	11035	Stage 3 for IMS Local services	Rel-7	No	N1											
424	14012	Mp (MRFC - MRFP) interface - CN4 Part (check supporting corr	Rel-6	No	N4											
425	701216	Improvements of Radio Interface	Rel-7	No	RP											
426	20021	UMTS 2.6 GHz	Rel-7	No	R4											
427	20014	7.68Mcps TDD option	Rel-7	No	RP											
428	20015	7.68Mcps TDD option: Stage 2	Rel-7	No	R1											
429	20016	7.68Mcps TDD option: Physical Layer	Rel-7	No	R1											
430	20017	7.68Mcps TDD option: Layer 2 and layer 3 protocol aspects	Rel-7	No	R2											
431	20018	7.68Mcps TDD option: UTRAN Iub/Iur Protocol Aspects	Rel-7	No	R3											
432	20019	7.68Mcps TDD option: RF Radio Transmission/ Reception, Sys	Rel-7	No	R4											
433	32081	Support of SMS and MMS over generic 3GPP IP acce	Rel-7	No	S2											
434	32082	Evolution of Policy Control and Charging	Rel-7	No	S2											
435	50551	Support for GNSS in GERAN (Global Navigation Satell	Rel-7	No	GP											
436	50552	FS of enhanced support of Video Telephony	Rel-7	No	GP											
437	50553	Generic Access to A/Gb Interface (GAAI)	Rel-7	No	GP											
438	50544	FS on GAAI	Rel-7	No	GP											
439	50554	GAAI - Stage 2	Rel-7	No	GP											
440	50555	GAAI - Stage 3	Rel-7	No	GP											
441	50556	MS Conformance Test for GAAI	Rel-7	No	GP											
442	50557	Enhancements of VGCS in public networks for commu	Rel-7	No	iP;,G2											

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