## **3GPP Work Plan – Cover page**

Version 2005, March 9th

# 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: <a href="http://ftp.3gpp.org/information/work\_plan">http://ftp.3gpp.org/information/work\_plan</a>

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: <a href="http://www.3gpp.org/About\_3GPP/structure.htm">http://www.3gpp.org/About\_3GPP/structure.htm</a> ).

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

For general comments, contact the Work Plan manager at: <u>alain.sultan@etsi.org</u>, mentioning in the email subject "General comment on the Work Plan".

# Specific comments for this version

## Main changes between versions 13 January and 9th March 2005

Updates from the following groups have been incorporated: CN1, CN3, CN4, CN5 SA1, SA2, SA4, SA5 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 <u>http://www.3gpp.org/About\_3GPP/3gpp\_wp.zip</u>.

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.

Content of this package: 1) Master: Work\_Plan\_3GPP\_Rel6\_050309\_MSP98.mpp Work Plan in MS Project 98 format (contains all WI attributes and Gantt view) Work\_Plan\_3GPP\_Rel6\_050309.mpp Work Plan in MS Project 2000 format (contains all WI attributes and Gantt view) 2) Cover page: Work\_plan\_cover\_050309.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\_050309.xls Work Plan in Excel format (contains most of the WI attributes but not the Gantt chart) Work\_Plan\_3GPP\_Rel6\_050309.pdf PDF view of the Work Plan (shows Gantt Chart)

ID	L	Jnique_IE	Name	Release	Early		Modifie	Acronym	Level of							_		
	0					Names			Approva	Mar	May	Qtr 3, 20 Jul	04 Sep	Nov	Qtr 1, 2009 Jan	5 Mar	May	Qtr 3, 20 Jul
1		2044	VERSION 2005 March 9th		No		No			mai	may	001		1107	- our	Mai	may	001
2		1462	"CTRL + a" to display all the 3GPP fields		No		No											
3		2058	Content of Rel-6 and Rel-7. Not frozen.		No		No											
4		0			No		No											
5	≡ø⊂	2	Rel-6 Evolutions of the transport in the U	Rel-6	No	RP	No	ETRAN	TSG									
6	<b>%</b>	1216	Rel-6 Improvements of Radio Interface	Rel-6	No	RP	No	Rinimp	TSG									
7	< 🐁	24006	Improving Receiver Performance Require	Rel-6	No	R4	No	RInImp-UERecPerf	TSG									
8	$\checkmark$	24004	Base station classification	Rel-6	No	R4	No	RInImp-BSClass	TSG									
9	< 🐁	1476	FDD Base station classification	Rel-6	No	R4	No	RInImp-BSClass-FDI	TSG									
10	< 🐍	24007	UMTS-850	Rel-6	No	R4	No	RInImp-UMTS850	TSG									
11	< 🐁	24009	DS-CDMA introduction in the 800 MHz bai	Rel-6	No	R4	No	RInImp-UMTS800	TSG									
12	< 🐁	24010	UMTS 1.7/2.1 GHz	Rel-6	No	R4	No	RInImp-UMTS1721	TSG									
13	۹.	24013	Improved Receiver Performance Requirer	Rel-6	No	R4	No	RInImp-HSPerf	TSG									
14		20011	Improved Minimum Performance Requirements fo	Rel-6	No	R4	No	RInImp-HSPerf-10co	TSG									
15		24014	Performance Requirements of Receive Diversity for	Rel-6	No	R4	No	RInImp-HSPerf-RxDi	TSG									
16		3	Rel-6 RAN Feasibility Studies	Rel-6	No	RP	No					;						
17	< 🐁	23007	FS of the improved access to UE measur	Rel-6	No	R3	No	RANimp-RRMopt-FS	TSG									
18	<b>√</b> ⊗∩	1506	FS on Radio link performance enhanceme	Rel-6	No	R1	No	RInImp-RIperf	TSG			:						
19	< €	21000	FS on Improvement of inter-frequency and	Rel-6	No	R1	No	RInImp-IfIsMLCR	TSG									
20	< 🐁	21003	FS for the analysis of OFDM for UTRAN e	Rel-6	No	R1	No	RInImp-FSOFDM	TSG									
21	< 🐁	21004	FS on Uplink Enhancements for Dedicate	Rel-6	No	R1	No	RInImp-FSUpDTrCh	TSG									
22	<b>√</b> %	21005	FS on Analysis on Higher Chip Rates for	Rel-6	No	R1	No	RInImp-FSVHCRTDE	TSG									
23	< 🐁	24011	FS on Low Output Powers for general pur	Rel-6	No	R3	No	RInImp-FSLoPw	TSG									
24		21007	FS on Uplink enhancements for UTRA TD	Rel-6	No	R1	No	RInImp-FSUpEnhTDI	TSG	_						13		
25	<b>√</b> %	24005	FS on UE antenna efficiency test methods	Rel-6	No	R4	No	RInImp-UEAnTM2	TSG									
26	≡øĈ	23006	Deleted - FS on the evolution of the UTRA	Rel-6	No	R3	No	RANimp-FSEvo	TSG									
27		20003	FDD Enhanced Uplink	Rel-6	No	RP	No	EDCH	TSG			•			:			
28	< 🐁	20004	FDD Enhanced Uplink - Stage 2	Rel-6	No	R2	No	EDCH-Stage2	TSG									
29	<b></b>	20005	FDD Enhanced Uplink - Physical Layer	Rel-6	No	R1	No	EDCH-Phys	TSG			·						
30	<b></b>	20006	FDD Enhanced Uplink - Layer 2 and 3 Pro	Rel-6	No	R2	No	EDCH-L23	TSG									
31	<b></b>	20007	FDD Enhanced Uplink - UTRAN lub/lur Pre	Rel-6	No	R3	No	EDCH-lurlub	TSG									
32	<b></b>	20008	FDD Enhanced Uplink - RF Radio Transm	Rel-6	No	R4	No	EDCH-RF	TSG									
33	<u> </u>	9	Rel-6 RAN improvements	Rel-6	No	RP	No	RANimp	TSG						:			
34	<b>%</b>	624	RAB support enhancement	Rel-6	No	R2	No	RANimp-RABSE	TSG						:			
35	≣ø⊆_	23009	lu enhancements for IMS support in RAN	Rel-6	No	R3	No	RANimp-RABSE-IuE	TSG									
36		21008	Optimisation of downlink channelisation code utilis	Rel-6	No	R1	No	RANimp-RABSE-Coc	TSG		_	:						
37	≣⊘C	21009	Optimisation of channelisation code utilisation for :	Rel-6	No	R1	No	RANimp-RABSE-Coc	TSG									
38	<b>√</b> ∕	20013	HS-DPCCH ACK/NACK Enhancement	Rel-6	No	R1	No	RANimp-RABSE-ACI	TSG									
39	<b>√%</b> Ր	23005	Deleted - Improvement of RRM across RNS and F	Rel-6	No	R3	No	RANimp-RRM1										
40	<₿	20999	Beamforming Enhancements	Rel-6	No	R1	No	RANimp-BFE	TSG									
	(					4		Page 1				*			÷			<u> </u>

ID		Jnique_IE	Name	Release	Early	Resource Names	would	Acronym	Level of Approva			Qtr 3, 200	)4		Qtr 1, 200	5		Qtr 3, 20
	0					Numes				Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul
41	< 🐁	23012	Rel6 RRM optimization for lur and lub	Rel-6	No	R3	No	RANimp-RRMopt	TSG		-						-	
42	√ 🐍	23014	Improved access to UE measurement data for CR	Rel-6	No	R3	No	RANimp-RRMopt-UE	TSG									
43	۰.	23010	Remote Control of Electrical Tilting Anten	Rel-6	No	R3	No	RANimp-TiltAnt	TSG			:						
44	<b>√%</b> ∩	23015	Tilting Antenna - RAN aspects	Rel-6	No	R3	No	RANimp-TiltAnt	TSG			:						
45	<b>√%</b>	35023	OAM&P impacts	Rel-6	No	S5	No	RANimp-TiltAnt-OAM	WG			:						
46	<	23011	Network Assisted Cell Change (NACC) frc	Rel-6	No	R3	No	RANimp-NACC	TSG									
47	۹.	32023	Location Services enhancements 2	Rel-6	No	S2	No	LCS2	TSG						,			
48		32024	Improvement on Le interface	Rel-6	No	S2	No		TSG			:						
49	$\checkmark$	32051	Stage 2	Rel-6	No	S2	No											
50	<b></b>	32053	Stage 3 - impacts MLP (Mobile Location Protocol)	Rel-6	No	OMA	No					: 						
51		32001	Enhanced support for anonymity and use	Rel-6	No	S2	No		TSG			:						
52	$\checkmark$	32047	Stage 2	Rel-6	No	S2	No							÷				
53	<b>.</b>	32054	Stage 3 - impacts MLP and RLP	Rel-6	No	OMA	No				81838							
54		32025	Enhanced inter-GMLC interface	Rel-6	No	S2	No		TSG									
55	$\checkmark$	32048	Stage 2	Rel-6	No	S2	No							Ť				
56	<b>.</b>	32055	Stage 3 - definition of RLP and PCP	Rel-6	No	OMA	No											
57		32012	Location Services support for IMS public	Rel-6	No	S2	No		TSG									
58	$\checkmark$	32049	Stage 2	Rel-6	No	S2	No							•				
59	<b>11</b> 0	32056	Stage 3 - impacts MLP, RLP and PCP	Rel-6	No	OMA	No											
60		32026	New area event for location service trigge	Rel-6	No	S2	No		TSG			<b></b>						
61	$\checkmark$	32050	Stage 2	Rel-6	No	S2	No							*				
62	<b>.</b>	14015	Stage 3 for UE-CN signalling	Rel-6	No	N4	No											
63	<b>II</b> ()	32057	Stage 3 - impacts MLP, RLP and PCP	Rel-6	No	OMA	No											
64		20001	UE positioning	Rel-6	No	RP	No	LCS2-UEpos	TSG									
65	√ 🐁	2475	Open SMLC-SRNC Interface within the UTRAN to	Rel-6	No	R2	No	LCS-Rel4Pos	TSG				*					
66	<b>√%</b> Γ	24012	A-GPS minimum performance specification	Rel-6	No	R4	No	LCS-UEPos-AGPSPe	TSG									
67	√ 🐁 🕺	22002	FS on Enhancements to OTDOA Positioning using	Rel-6	No	R2	No	LCS2-UEpos-FSBlan	TSG				_					
68	<b>√</b> ⊗∩	2457	Deleted - UE positioning enhancements - other me	Rel-6	No	R2	No	LCS2-UEpos-enh										
69	V 00	35035	LCS charging	Rel-6	No	S5	No	LCS2-CH	TSG			<u> </u>						
70	<u> </u>	1571	Rel-6 Security enhancements	Rel-6	No	S3	No	SEC1	TSG			1						
71	<u> </u>	2026	Enhanced HE control of security (includir	Rel-6	No	S3	No							•				
72		2027	Stage 2	Rel-6	No	S3	No											
73	<u></u>	33006	Network domain security	Rel-6	No	S3	No	SEC1-NDS	TSG									
74	<b>√</b> ⊗	33007	IP network layer security (NDS/IP)	Rel-6	No	S3	No	SEC1-NDS-IP	WG									
75	V @ C	33017	Network Domain Security; Authentication	Rel-6	No	S3	No	SEC1-NDS-AF	TSG									
76	VÕ	33019	Key Management of group keys for Voice	Rel-6	No	S3	No	SECGKYV	TSG									
77	(A)	32021	IMS Phase 2	Rel-6	No	S1	No	IMS2	TSG						:			<u>.</u>
78	III	14014	Enhancements to the Cx and Sh interface	Rel-6	No	N4	Yes	IMS2-CCR	WG									
79	√ 🍓	31025	IMS Group Management	Rel-6	No	S1	No	IMSGM	TSG									
80	• • • • • • • • • • • • • • • • • • •	31026	Stage 1 - TS on IMS group management	Rel-6	No	S1	No		TSG									
	1											<u>;</u>						<u> </u>

ID		Jnique_IE	Name	Release	Early	Resource Names	Modif	ie Acronym	Level of Approva			Qtr 3, 2	004		Qtr 1, 200	5		Qtr 3,
	0								Approve	Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul
81	$\checkmark$	32036	Stage 2	Rel-6	No	S2												
82	<b>√</b> % []	11036	Stage 3 for IMS Group management (e.g. chat)	Rel-6	No	N1	Yes					:						
83	$\checkmark$	11037	IMS Conferencing	Rel-6	No	N1	No					;		$ \rightarrow $				
84	$\checkmark$	32037	Stage 2	Rel-6	No	S2	No											
85	<b>√ %</b>	32038	Stage 3	Rel-6	No	N1	Yes											
86		31022	IMS Messaging	Rel-6	No	S1	No	IMSM	TSG			÷			:		<	
37	$\checkmark$	31023	TR on support of messaging in the IMS	Rel-6	No	S1	No	IMSM-TR	TSG									
38	$\checkmark$	31034	Stage 1 22.340	Rel-6	No	S1	No	IMSM-TS	TSG									
39	$\checkmark$	31033	CRs to 22.140 & 22.228	Rel-6	No	S1	No	IMSM-CR	TSG									
90	$\checkmark$	32700	Stage 2	Rel-6	No	S2	No											
91	√ 🐍	11039	Stage 3 for IMS Messaging	Rel-6	No	N1	Yes											
92	<b>.</b>	60001	SIP/SIMPLE Instant messaging	Rel-6	No	OMA	No		n/a									
93		11040	Additional SIP Capabilities support not cc	Rel-6	No	N1	No											1
94	$\checkmark$	32041	Stage 2 for add SIP cap (e.g. forking)	Rel-6	No	S2	No						Ŧ					
95	<b></b>	32042	Stage 3 for Additional SIP Capabilities	Rel-6	No	N1	Yes					-	39881					
96	< 🐁	11041	Review additional SIP Capabilities agains	Rel-6	No	N1	Yes					:						
97	<u> </u>	2048	Interworking between IMS and IP network	Rel-6	No	N3	No	IMS-CCR-IWIP	TSG									
8	<b>√</b> ∕	13004	Interworking for 3GPP_SIP and IETF_SIP	Rel-6	No	N3	No							•				
9	<b>√</b> ∕ ∕	13005	Interworking for IPv6 to IPv4	Rel-6	No	N3	Yes											
00	$\checkmark$	11044	Interworking for IPv6 to IPv4 (SIP / SDP aspects)	Rel-6	No	N1	No											
01	$\checkmark$	11017	stage 3 of interworking with non-IMS IP networks	Rel-6	No	N1	No					1						
02	<b>√</b> %∩	2047	Interworking between IMS and CS networ	Rel-6	No	N3	No	IMS-CCR-IWCS	TSG									
03		14001	Mn interface (IM-MGW to MGCF) enhance	Rel-6	No	N4	Yes	IMS2-Mn										
04	$\checkmark$	31036	Study of subscriber and operators relatio	Rel-6	No	S1	No											
05	<.	33012	Lawful Interception in the 3GPP Rel-6 arc	Rel-6	No	S3	No	SEC1-LI	TSG									
06	<ul> <li>✓</li> </ul>	31042	IMS Subscription and access scenarios	Rel-6	No	S1	No											
07	<br √ ⊗ Γ	35032	IMS charging	Rel-6	No	S5	No	IMS2-CH	TSG									
08	√ 🔒	11051	IMS Management objects	Rel-6	No	N1	Yes		WG									
09	$\sqrt{2}$	32027	Deleted - Stage 2 of IMS Phase 2	Rel-6	No	S2	No											
10		32063	3GPP Enablers for services like Push to	Rel-6	No	S2	No	PoC	TSG						<u> </u>			
11	<	32068	Feasibility Study	Rel-6	No	S2	No	PoC										
12		60002	Dependencies on OMA PoC	Rel-6	No	OMA	No	PoC	n/a									
13	_v ∕ Ø	34029	Selection of one or more PoC codec(s) fo	Rel-6	No	S4	No	PoC	TSG									
14	m	35036	PoC charging	Rel-6	No	S5	Yes	PoC-CH	TSG									
15	~		Interworking aspects and migration scen	Rel-6	No	S2	No	IPv4IMS									فتتتسم	
16	• • • • • • • • • • • • • • • • • • • •		Interoperability and Commonality betwee	Rel-6	No	S2	No	IMSCOOP	TSG									
17	× √⊗∩	32028	Stage 2 for Interoperability	Rel-6	No	S2	No											
18	✓	32061	Stage 2 for commonality	Rel-6	No	S2	No											
19		11033	Stage 3	Rel-6	No	N1	No											
20	▼ ■		Support of Push Services	Rel-6		S1	No	PUSH	TSG									
-	<ul> <li></li> <li></li> </ul>		oupport of Fusit dervices			<b>U</b>												<u> </u>

ID		Jnique_IE	Name	Release	Early	Resource Names	NODITIE	Acronym	Level of Approva			Qtr 3, 2	2004			Qtr 1, 200	5		Qtr 3,
	0								rippiore	Mar	May	Jul	Se	o No	VC	Jan	Mar	May	Jul
121	$\checkmark$	31004	Stage 1	Rel-6	No	S1													
122	< 🐁	32701	TR 23.976 on Push Architecture	Rel-6	No	S2	No												
123		42009	Multimedia Messaging (MMS) enhanceme	Rel-6	No	T2	No	MMS6	TSG			1							
124	$\checkmark$	42010	Definition of service requirements	Rel-6	No	S1	No	MMS6-SR											
25	$\checkmark$	31031	Definition of service requirements charging	Rel-6	No	S1	No												
126	$\checkmark$	42011	Technical realization	Rel-6	No	T2	No		TSG										
27		42012	OMA dependencies	Rel-6	No	OMA	No		n/a										
128		42013	MMS formats and codecs	Rel-6	No	S4	Yes	MMS6-Codec								88			
129	< 🐁	42014	Handling of private addressing schemes i	Rel-6	No	T2	No		TSG										
130	<b>√%</b> ∩	42015	Deleted - FS Multiple MMS Relay/Server Architecture	Rel-6	No	T2	No		TSG							10/12			
131	<b>√</b> ⊗∩	35034	MMS charging	Rel-6	No	S5	No	MMS6-CH	TSG			:			-				
132	$\checkmark$	42005	Rel-6 MExE enhancements	Rel-6	No	T2	No	MEXE6	TSG										
133	< 🐁	42006	MExE Rel-6 Improvements and Investigat	Rel-6	No	T2	No	MEXE6-ENHANC	TSG										
134	< 🐁	42007	MExE Run-Time Independent Framework	Rel-6	No	T2	No	MEXE6-RTIF	TSG										
135	≡øC	2062	Subscription Management	Rel-6	No	S5	No	SuM	TSG							868888			
136	<u> </u>	2499	Presence Capability	Rel-6	No	S1	No	PRESNC	TSG										
137	$\checkmark$	2501	Stage 1	Rel-6	No	S1	No												
138	< 🐁	2502	Stage 2	Rel-6	No	S2	No		TSG										
139	<∕% <sup>⊂</sup>	2503	Stage 3	Rel-6	No	N1	Yes												
140	<b>√</b> ∕	13018	Stage 3 (CN3 Part Pk interface)	Rel-6	No	N3	Yes								_				
141	<b>≣⊘</b> ∩	34025	Media Codecs and Formats for IMS Messa	Rel-6	No	S4	Yes	PRESNC-COFIMP	TSG										
142	≣øĈ	2504	Security issues	Rel-6	No	S3	No										T		
143	<b>**</b>	60003	SIMPLE Presence	Rel-6	No	OMA	No		n/a										
144	<b>√%</b> Ր	50056	Enhanced A/Gb feasibility study	Rel-6	No	GP	No	AGbEnFS	TSG										
145	<ul> <li>✓</li> </ul>	50057	Feasibility study on A/Gb enhancements	Rel-6	No	G2	No	AGbEnFS-FS	TSG										
146	$\checkmark$	50080	Requirements for the support of conversational se	Rel-6	No	GP	No												
147	$\checkmark$	50084	Identification of the different building blocks for the	Rel-6	No	GP	No												
148	$\checkmark$	50093	Outline of impact and feasibility of these building b	Rel-6	No	GP	No												
149	$\checkmark$	50081	Impact on 3GPP architecture and requirement to c	Rel-6	No	GP	No			1									
150	$\checkmark$	50082	Standardisation effort	Rel-6	No	GP	No			1									
151	$\checkmark$	50083	Dependency to other features	Rel-6	No	GP	No												
152	<b>%</b>	50063	Flexible Layer One for GERAN	Rel-6	No	GP	No	FLOGER	TSG										
153	<b>√%</b> Ր	50064	Realisation of a Flexible Layer One	Rel-6	No	GP	No	FLOGER-Real				-							
154	<ul> <li>✓</li> </ul>	50065	Technical Report	Rel-6	No	GP	No												
155	$\checkmark$	51002	Architecture in 45.001 and 43.051	Rel-6	No	G1	No												
156	$\checkmark$	51003	Multiplexing in 45.002	Rel-6	No	G1	No												
157	$\checkmark$	51004	Channel Coding in 45.003	Rel-6	No	G1	No												
158	<ul> <li>✓</li> </ul>	51005	Performance Requirements in 45.005	Rel-6	No	G1	No												
	1	51006	Radio subsystem link control in 45.008	Rel-6	No	G1	No												
159	<ul> <li>✓</li> </ul>	0.000																	

		Jnique_IE	Name	Release	Earry	Resource Names	woune	Acronym	Level of Approva	-	Qtr 3, 20	04		Qtr 1, 200	5		Qtr 3, 20
	0								- Abbiolog	Mar May	Jul	Sep	Nov	Jan	Mar	May	Jul
61	$\sim$	52072	Signalling and protocol support for a Flex	Rel-6	No	G2	No	FLOGER-SigPro									
62	$\checkmark$	52073	Modifications to RLC/MAC in 44.060 and 44.160	Rel-6	No	G2	No										
63	$\checkmark$	52074	Modifications to RRC in 44.118 and 44.018	Rel-6	No	G2	No										
64	<b>√</b> @[]	52075	Security for a Flexible Layer One	Rel-6	No	S3; G2	No	FLOGER-SecFLO									
65	$\checkmark$	52076	Ciphering in 44.160,44.118, 44.060 and 44.018	Rel-6	No	S3; G2	No										
66	<u> </u>	55077	Deleted at TSG#27 - GERAN MS Conforma	Rel-6	No	G4,G5	Yes	FLOGER-Msconf		6/02							
67		55078	deleted at TSG #27 - MS Test in 51.010	Rel-6	No	G4,G5	Yes			6/02							
168	<u> </u>	55079	Deleted at TSG#27 - GERAN BTS Conforn	Rel-6	No	G3	Yes	FLOGER-BTSconf		6/02							
69		53080	Deleted at TGS #27 - BTS Test in 51.021 - DELE	Rel-6	No	G3	Yes			6/02							
170	√ 🍓	50041	Uplink TDOA feasibility study	Rel-6	No	GP	No	TDOAF									
171	1	2544	Multimedia Broadcast and Multicast Serv	Rel-6	No	S1	No	MBMS	TSG					<u> </u>			
172	<b>√</b> ∕ ∕	2545	Stage 1	Rel-6	No	S1	No										
173	<b>e</b>	32002	Stage 2	Rel-6	No	S2	No		TSG								
174	$\checkmark$	32702	TR on Architectural Study	Rel-6	No	S2	No			Ť							
175	$\checkmark$	32703	Stage 2 Specification Work	Rel-6	No	S2	No										
176		2481	Introduction of MBMS in RAN	Rel-6	No	R2	No	MBMS-RAN	TSG		:						:
177		20022	Introduction of MBMS in RAN (physical & upper la	Rel-6	No	R2	No	MBMS-RAN	TSG								
78	<b>=</b>	20020	UE Performance Requirements for MBMS	Rel-6	No	R4	No	MBMS-RAN-RF	TSG								
179	< 🝓	11030	Support of the MBMS in CN protocols	Rel-6	No	N1	No		TSG								
180	<ul> <li>Image: A start of the start of</li></ul>	13015	Gmb interface for MBMS (CN3 part)	Rel-6	No	N3	Yes										
181		33008	Security Aspects of MBMS	Rel-6	No	S3	No	MBMS	TSG								
182	- 	50085	Support of MBMS in GERAN	Rel-6	No	GP	Yes	MBMS-GERAN	TSG								
183	~	50086	Impact on the logical and physical channels	Rel-6	No	GP	Yes										
184	$\checkmark$	52085	Re-synchronisation at cell change	Rel-6	No	G2	Yes										
185	$\checkmark$	50098	Simultaneous support of MBMS services	Rel-6	No	GP	Yes				:						
186	$\checkmark$	50099	Simultaneous support of MBMS and non-MBMS s	Rel-6	No	GP	Yes										
187	$\checkmark$	50100	Resynchronisation at cell change	Rel-6	No	GP	Yes				:						
188	<ul> <li>✓</li> </ul>	50087	Decision making process between point-to-point o	Rel-6	No	GP	Yes										
189	$\checkmark$	50088	MBMS channel allocations procedures to multiple	Rel-6	No	GP	Yes				:						
190	<ul> <li>✓</li> </ul>	50089	Changes to the Gb interface	Rel-6	No	GP	Yes										
191	<ul> <li>✓</li> </ul>	50090	GERAN specific changes to the lu-ps interface	Rel-6	No	GP	Yes				:						
192	<ul> <li>✓</li> </ul>	50091	Interaction between MBMS and lu-flex	Rel-6	No	GP	Yes										
193	<ul> <li>✓</li> </ul>	50092	Security aspects	Rel-6	No	GP	Yes				:						
194	$\checkmark$	53081	MS conformance tests- G3	Rel-6	No	G3	Yes										
195		55091	Deleted - MS conformance tests - G5	Rel-6	No	G5	No										
196		31045	MBMS User Services	Rel-6	No	S1	No										
197	$\checkmark$	31044	MBMS User Services Stage 1	Rel-6	No	S1	No								•		
198		34026	Definition of MBMS user services, media codecs, t	Rel-6	No	S4	Yes	MBMS-TSMBMS	TSG		-				88		
199	 ≣⊘⊂	35038	MBMS charging	Rel-6	No	S5	Yes	MBMS-CH	TSG								
200		31006	Speech Recognition and Speech Enable	Rel-6	No	S1	No	SRSES	TSG		:		-				

ID	-	Jnique_IE	Name	Release	Early	Resource Names		Acronym	Level of Approva			Qtr 3, 200	)4		Qtr 1, 200	5		Qtr 3, 2
	0						L			Mar	May	Jul	Sep	Nov	Jan	Mar	May	Jul
01	√ 🐁	31007	Speech Enabled Services Based on Distri	Rel-6	No	S1	No	DSR	TSG									
202	$\checkmark$	32999	TR on Architectural impacts	Rel-6	No	S2	No											
203	<∕% <sup>⊂</sup>	34700	Codec Work to Support Speech Recognit	Rel-6	No	S4	No	SRSES-Codec	WG			:						
204		60004	Multimodal support	Rel-6	No	OMA	No											3
205	<b></b>	11021	Deleted - SES codec negotiation at SDP	Rel-6	No	N1	No											]
206	<b>.</b>	31008	Generic User Profile Rel-6	Rel-6	No	S1	No	GUP	TSG									
207	$\checkmark$	31009	Stage 1 - Requirements	Rel-6	No	S1	No									Ť		
208	< 🐁	32008	Stage 2 - Architecture	Rel-6	No	S2	No											
209	<b>√%</b> ∩	42002	Stage 2 - Data Description Method	Rel-6	No	N4	Yes		TSG									
210		14008	Stage 3 - Network	Rel-6	No	N4	Yes									1		
211	<b>√</b> %∩	33009	Security Aspects	Rel-6	No	S3	No		WG									
212	<b>%</b>	31010	Digital Rights Management	Rel-6	No	S1	No	DRM	TSG									
213	$\checkmark$	31011	Requirements	Rel-6	No	S1	No				Ť							
214	<b>√</b> ∕⊗	31037	Deleted - Monitoring of Stages 2 and 3 pro	Rel-6	No	S1	No											
215	<ul> <li>✓</li> </ul>	60005	Stage 2	Rel-6	No	OMA	No											
216	<b>~</b>	60006	Stage 3	Rel-6	No	OMA	No											
217	<b>.</b>	33001	Security	Rel-6	No	OMA	No											
18		31012	WLAN-UMTS Interworking Rel-6	Rel-6	No	S1	No	WLAN	TSG			:			<u> </u>			
219	$\checkmark$	31020	Technical Report	Rel-6	No	S1	No	WLAN-TR									*	
220	$\checkmark$	31035	Stage 1	Rel-6	No	S1	No	WLAN-TS										
221	<ul> <li>✓</li> </ul>	31058	Global stage 1	Rel-6	No	S1	No	WLAN-TS										
222	√ 🐁	32018	Architecture Definition for scenarii 2 and	Rel-6	No	S2	No		TSG									
223	<b>√%</b> ∩	32704	Security	Rel-6	No	S3	No		TSG									
224	≣⊘Ĉ	14013	Stage 3 - CN4 aspects	Rel-6	No	N4	Yes	WLAN-IW	TSG									
225	<b>√</b> ∕	13019	Stage 3 - CN3 aspects (Wi Interface for Sc	Rel-6	No	N3	Yes	WLAN	TSG				-					
226	< €	11042	Stage 3 for scenario 2	Rel-6	No	N1	Yes		WG									
227	<ul> <li></li></ul>	11047	Stage 3 for scenario 3	Rel-6	No	N1	Yes		WG			:						
228	<b>≣</b> ⊘∩	35033	WLAN charging	Rel-6	No	S5	No	WLAN-CH	TSG									
229		43010	USIM enhancements for WLAN Interworki	Rel-6	No	Т3	No		TSG			:				]		
230	<b>.</b>	31015	Priority Service	Rel-6	No	S1	No	NTShar	TSG									
231	√ 🌯	31016	Feasibility Study	Rel-6	No	S1	No	PRIOR-FS						•				
232	<	31017	Stage 1 - Requirements	Rel-6	No	S1	No	PRIOR-SR										
233		31041	Multimedia Priority Service	Rel-6	No	S1	Yes											
234	<ul> <li>✓</li> </ul>	31043	Priority service implementation guide	Rel-6	No	S1	No											
235	√ 🐁	31018	Network Sharing	Rel-6	No	S1	No	NTShar	TSG			:						
236	<ul> <li>✓</li> </ul>	31019	Technical Report	Rel-6	No	S1	No	NTShar-TR										
237	$\checkmark$	31038	Stage 1 - CRs to implement Network Shar	Rel-6	No	S1	No	NTShar-CR										
238	√ 🔒	32044	Stage 2	Rel-6	No	S2	No											
239	·	11043	Network sharing - stage 3	Rel-6	No	N1	No		TSG									
240		22004		Rel-6	No	R2	No	NTShar-UTRANEnh	TSG									
240	√ 🐁	22004	Enhancement of the support of network s	Rel-6	No	R2	No	NTShar-UTRANEnh	TSG									

ID	0	Jnique_IE	Name	Release		Resource Names	NODITIE	Acronym	Level of Approva	Qtr 3, 2004	Qtr 1, 2005		Qtr 3, 20
241	• √ <b>@</b>	32016	QoS Improvements	Rel-6	No	S2	No	QoS1	TSG	Mar May Jul Sep Nov	Jan	Mar May	Jul
242	• •	32017	FS on Dynamic Policy control enhanceme	Rel-6	No	S2	No	QoS1	TSG				
243	<ul> <li>■</li> <li>√</li> <li>■</li> </ul>	32059	Definition of the Gq interface	Rel-6	No	S2	No						
244	• √⊘ົ	13016	Gq interface specification for Dynamic Po	Rel-6	No	N3	Yes		TSG				
245	v 🌾	33002	Subscriber certificates	Rel-6	No	S3	No	SEC1-SC	TSG				
246	<ul> <li>✓</li> </ul>	32705	Stage 1	Rel-6	No	S3	No			_			
247	· ·	32706	Architecture review	Rel-6	No	S2	No						
248	VØr	14504	Stage 3	Rel-6	No	N4	Yes	SEC1-SC					
249	· · ·	11049	Stage 3 Ua & Ub interfaces	Rel-6	No	N1	Yes						
250	· ~ 🤌	60007	OMA dependencies on Subscriber certific	Rel-6	No	OMA	No		n/a				
251		15010	Rel-6 OSA enhancements	Rel-6	No	N5	No	OSA3	TSG				
252	<	31040	Scope of the Open Service Access Releas	Rel-6	No	S1	No		TSG	-			
253		15038	OSA Stage 2	Rel-6	No	N5	No		TSG	1			
254		15026	Multi Media Messaging function	Rel-6	No	N5	No		TSG				
255	✓	15028	Policy management extensions	Rel-6	No	N5	No		TSG				
256	<ul> <li>✓ </li> </ul>	15029	TS on Presence and Availability Manager	Rel-6	No	N5	No		TSG				
257	$\checkmark$	15032	OSA interfaces at different levels of abstr	Rel-6	No	N5	No		TSG				
258	<ul> <li>✓</li> </ul>	15033	Introduction of migration support mechar	Rel-6	No	N5	No		TSG				
259	$\checkmark$	15036	Framework Function for Federation	Rel-6	No	N5	No		TSG	-			
260	<ul> <li>✓</li> </ul>	60008	OMA potential overlaps with 3GPP OSA S	Rel-6	No	OMA	No		n/a				
261	<b>.</b>	15037	Deleted - TR on Presence and Availability Managemen	Rel-6	No	N5	No			▲ 17/09			
262		50401	Addition of frequency bands to GSM (TA	Rel-6	No	GP	Yes	TAPS	TSG	· · · · · ·			
263	√ø⊂	50094	Addition of frequency bands to GSM – Ch	Rel-6	No	G1	No	TAPS-Specs	TSG				
264	<ul> <li></li></ul>	51102	Changes to core specs	Rel-6	No	G1	No						
265	<b>6</b>	54102	Deleted at TSG #27 - Addition of frequency l	Rel-6	No	G4	Yes	TAPS-Conf					
266	<b>√</b> Ø	54103	Deleted at TSG #27 - 51.010-1 Add testing	Rel-6	No	G4	Yes						
267	2	50130	Seamless support of streaming services	Rel-6	No	GP	No	SSStrea	TSG				
268	<b>V</b>	51131	Identification of requirements for streamin	Rel-6	No	G1	No						
269	<ul> <li>✓</li> </ul>	51133	Requirements	Rel-6	No	G1	No						
270	<b>√</b> ⊗⊂	51132	Performance study of cell change mechai	Rel-6	No	G1	No			1			
271	<ul> <li>✓</li> </ul>	51134	Performance of NACC	Rel-6	No	G1	No			1			
272	$\checkmark$	51135	Performance of cell change in DTM for the PS dor	Rel-6	No	G1	No			1			
273	$\checkmark$	51136	Handover	Rel-6	No	G1	No			1			
274	<u> </u>	52131	Reduction of service interruption times a	Rel-6	No	G2	No			1			
275	$\checkmark$	52133	Optimisations of existing mechanisms/procedures	Rel-6	No	G2	No			1			
276	$\checkmark$	52134	Inter-system NACC	Rel-6	No	G2	No			1			
277	$\checkmark$	52135	PS Handover (within GERAN and between GERA	Rel-6	No	G2	No			1			
278	$\checkmark$	52136	Dependency to other features	Rel-6	No	G2	No			1			
279	$\checkmark$	54131	MS conformance testing	Rel-6	No	G3	No			1			
280	<ul> <li>✓</li> </ul>	54132	MS conformance tests	Rel-6	No	G4,G5	No			1			
	-	ļ				ļ		Page 7	ļ	<u>I</u>	<u>:</u>		<u> </u>

000000000000000000000000000000000000	ID	<b>0</b>	Jnique_IC	Name	Release	Early	Resource Names	Modifie	Acronym	Level of Approva		Qtr 3, 2004	Qtr 1, 2005			3, 20
202         2030         Performance characterisation of default         Perfo         Mai         944         No         COCN24         166           204         9159         Study on Privacy Capability         Perfo         No         No<	281	-	33013	GERAN A/Gb mode security enhancemen	Rel-6	No	S3	No			Mar May	Jul Sep Nov	Jan	Mar M	/lay J	ul
310         Statu on Privey Capability         Ref         No         S1         Yee         Nickar         TS5           326         4001         Other Capability         Ref         No         OAAA         Ref         No         OAAA         Ref         No         OAAA         Ref         No         OAAAA         Ref         No         OAAAA         Ref         No         OAAAAA         Ref         No         OAAAAAA         Ref         No         OAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		· · ·	34300	2	Rel-6	No	S4	No	CODCAR	TSG						
338       349       OMAMP Rel-6       Maine       Maine       Maine       Maine       Maine         244       4       3991       Phromance Management       Ref       No       Maine       Kaine	283				Rel-6	No	S1	Yes	PrivCap	TSG						
361       Principles, high kevel Requirements and Price       Price       Note						No	S5	No	OAM	TSG						
287       Vol       Solid       Performance Management       Field       No       OAAFM       150         287       Vol       Solid       Matwork Infrastructure Management       Reid       No       OAAFTR0       150         288       Vol       Solid Socie and Oligoment Reid       Reid       No       OAAFTR0       150         289       Vol       Solid Socie and Oligoment Reid       Reid       No       OAAFTR0       150         280       Vol       Solid Socie and Oligoment Roin UTIVAN       Reid       No       OAATTR0       150         281       Vol       Solid Socie and Oligoment Roin UTIVAN       Reid       No       OAATTR0       150         282       Vol       Solid Socie and Oligoment Solid Socie       Reid       No       Socie No       150         283       Vol       Socie Corp Semmet description       Reid       No       Socie No       150         284       Vol       Socie Corp Semmet description       Reid       No       Socie No       150         284       Vol       Socie Corp Semmet description       Reid       No       Socie No       150         284       Vol       Socie Corp Semmet description       Reid       No       Socie	285		35011	Principles, high level Requirements and A	Rel-6	No	S5	No	OAM-AR	TSG						
188         17100         Management Rai-6         Rei         No         885         Yee         OAM-Trace         180           189         Subscriber and UE trace management         Rei         No         OAM-Trace         No         OAM-Trace         No           180         Valor         11010         Trace Managements august         Rei         No         OAM-Trace         No         OAM-Trace         No           180         Valor         11010         Trace Management race uI/TRAN         Rei         No         OAM-Trace         No         OAM-Trace         No           180         Valor         10010         Trace Management race uI/TRAN         Rei         No         OAM-Trace         No         State           180         Valor         04000         Charging achtecture and principles         Rei         No         CHA         No         OAM-Trace         No           180         Valor         35020         Charging achtecture and principles         Rei         No         CHA         No         <	286		35012	Performance Management	Rel-6	No	S5	No	OAM-PM	TSG						
2989       39022       Subaccher and Ult funce management       Ref       No       Ref       No       OAM< Trace       Table         290	287	<b>√</b> @Ĉ	35014	Network Infrastructure Management	Rel-6	No	S5	No	OAM-NIM	TSG						
200         2013         Subscher and squipment base in UTRAN         Ref.         No.         OAM-TraceNAV         TSC           211         Viet         0414         Trace Management, Stags3         Ref.         No.         OAM-TraceNAV         TSC           213         Viet         03814         Charging Management, Stags3         Ref.         No.         OAM-TraceNAV         TSC           213         Viet         03814         Charging Management         Ref.         No.         OAM-TraceNAV         TSC           213         Viet         03829         Charging Anthetotecription         Ref.         No.         OAM-TraceNAV         TSC           214         Viet         03828         Diameter charging applications         Ref.         No.         CHA         TSC           214         Viet         03828         Diameter charging applications         Ref.         No.         CHA         TSC           214         Viet         32827         Online Charging System (CS) architecture         Ref.         No.         CHA         TSC           214         Viet         35808         Charging Management for Barcinecture         Ref.         No.         CHA         TSC           214         Viet <th< td=""><td>288</td><td><u> </u></td><td>35015</td><td>Trace Management Rel-6</td><td>Rel-6</td><td>No</td><td>S5</td><td>Yes</td><td>OAM-Trace</td><td>TSG</td><td></td><td></td><td>&lt;</td><td></td><td></td><td></td></th<>	288	<u> </u>	35015	Trace Management Rel-6	Rel-6	No	S5	Yes	OAM-Trace	TSG			<			
201       4406       1406       Trace Management. Staps       Reid       No	289	<b>√</b> ∕	35022	Subscriber and UE trace management	Rel-6	No	S5	No	OAM-Trace	TSG	-					
201       4406       1406       Trace Management. Staps       Reid       No	290	√&	23013	Subscriber and equipment trace in UTRAN	Rel-6	No	R3	No	OAM-Trace-RAN	TSG						
233       Vol       3907       Charging Data Record (CDR) file formatit       Rel       No       S5       No       CHarging Data Record (CDR) file formatit       Rel       No       S5       No       CHarging Data Record (CDR) file formatit       Rel       No       S5       No       CHar       TSG       S5       CM       S505       Deparated redescription       Rel       No       S5       No       CHar       TSG       S505       Deparated redescription       Rel       No       S5       No       CHar       TSG       S505       Deparated redescription       Rel       No       S5       No       CHar       TSG       S505       Deparated redescription       Rel       No       S6       No       CHar       TSG         299       Vo       35007       Charging Management for Bearer level       Rel       No       S6       No       CHar       TSG         3007       Vo       35008       CDC trainer       Rel       No       S6       No       CHar       TSG         3017       Vo       35008       CDC trainer       Rel       No       S7       No       CHar       TSG         3017       Vo       35018       CDC trainer Management for the Mare (Conter) <t< td=""><td></td><td></td><td>14016</td><td>Trace Management, Stage3</td><td>Rel-6</td><td>No</td><td>N4</td><td>Yes</td><td>OAM-Trace</td><td>TSG</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			14016	Trace Management, Stage3	Rel-6	No	N4	Yes	OAM-Trace	TSG						
233       Vol       3907       Charging Data Record (CDR) file formatit       Rel       No       S5       No       CHarging Data Record (CDR) file formatit       Rel       No       S5       No       CHarging Data Record (CDR) file formatit       Rel       No       S5       No       CHar       TSG       S5       CM       S505       Deparated redescription       Rel       No       S5       No       CHar       TSG       S505       Deparated redescription       Rel       No       S5       No       CHar       TSG       S505       Deparated redescription       Rel       No       S5       No       CHar       TSG       S505       Deparated redescription       Rel       No       S6       No       CHar       TSG         299       Vo       35007       Charging Management for Bearer level       Rel       No       S6       No       CHar       TSG         3007       Vo       35008       CDC trainer       Rel       No       S6       No       CHar       TSG         3017       Vo       35008       CDC trainer       Rel       No       S7       No       CHar       TSG         3017       Vo       35018       CDC trainer Management for the Mare (Conter) <t< td=""><td>292</td><td></td><td>35016</td><td>Charging Management</td><td>Rel-6</td><td>No</td><td>S5</td><td>No</td><td>СН</td><td>TSG</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	292		35016	Charging Management	Rel-6	No	S5	No	СН	TSG						
287       3002       CDR parameter description       Re4       No       95       Yes       CH       T69         288       Vo       3002       Diameter charging applications       Re4       No       65       No       CH       T60         289       Vo       3502       OCS: Applications and interfaces       Re4       No       655       No       CH       T50         299       Vo       3502       OCS: Applications and interfaces       Re4       No       655       No       CH       T50         299       Vo       3503       PS domain charging       Re44       No       655       No       CH       T50         300       Vo       3503       CDR ransfer       Re4       No       655       No       CH       T50         301       Vo       3503       CDR ransfer       Re4       No       655       No       CH       T50         302       Store       CDR ransfer       Re4       No       655       No       CH       T50         303       Vo       Store       CDR ransfer       Re4       No       652       No       CH+BC       T50         304       Vo       S	293		35037	Charging architecture and principles	Rel-6	No	S5	No	СН	TSG					-	
286       No       Solor       No       CH       TSG         287       Solor       Online Charging System (OCS) architectur       Ref       No       SS       No       CH       TSG         288       Solor       Solor       OCS: Applications and interfaces       Ref       No       SS       No       CH       TSG         288       Solor       Solor       CS: Caplications and interfaces       Ref       No       SS       No       CH       TSG         300       Solor       Solor       CS: Comain charging       Ref       No       SS       No       CH       TSG         301       Solor       CS: Solor and charging       Ref       No       SS       No       CH       TSG         302       Solor       CDR transfer       Ref       No       SS       No       CH       TSG         303       Solor       CDR transfer       Ref       No       SS       No       CH       TSG         303       Solor       CDArging Management for the IMS       Ref       No       SS       No       CH       TSG         304       Solor       Orearill architectural aspects of Iffobus       Ref       No       SS	294	<b>√</b> ∕	35024	Charging Data Record (CDR) file format a	Rel-6	No	S5	No	СН	TSG						
297       ····································	295	<b>.</b>	35025	CDR parameter description	Rel-6	No	S5	Yes	СН	TSG				8888		
288       ····       3902       OCS: Applications and interfaces       Rel-6       No       S5       No       CHa       T60         299       ·····       3602       Charging Management for Bearer level       Rel-6       No       S5       No       CHaC       T60         300       ·····       3602       CS domain charging       Rel-6       No       S5       No       CHa       T60         301       ·····       3603       CDR transfer       Rel-6       No       S5       No       CHa       T60         302       ······       3503       CDR transfer       Rel-6       No       S55       No       MS2-CH       T60         303       ······       Statia       Charging Management for the Service do       Rel-6       No       S52       No       CH-BC       T60         304       ······       Statia       Overall architectural aspects of IP flow Be       Rel-6       No       S52       No       CH-BC       T60         305       ····································	296	<b>~</b> 🌭	35026	Diameter charging applications	Rel-6	No	S5	No	СН	TSG					_	
299       No       Stor1       Charging Management for Bearer level       Rel       No       Stor5       No       CH-BC       TSG         3000       Stor5       Stor5       CS domain charging       Rel-5       No       CH-BC       TSG         3011       Stor5       Stor5       Stor5       No       CH-BC       TSG         3011       Stor5       Stor5       CR transferg       Rel-6       No       CH-SC       TSG         3021       Stor5       Stor5       CR transferg       Rel-6       No       Stor5       No       CH-HC       TSG         3032       Stor5       Stor6       CR transferg       Rel-6       No       Stor5       Yes       CH-HC       TSG         3034       Stor5       Stor6       CR transferg       Rel-6       No       Stor5       Yes       CH-HFBC       TSG         3055       Stor5       Stor5       No       Stor5       Yes       CH-FBC       TSG       CH-FBC       TSG         3056       Stor5       Stor5       No       Stor5       No       Stor5       TSG       CH-FBC       TSG         3057       Stor5       Stor5       No       Stor5       No	297	<b>~</b> 🌭	35027	Online Charging System (OCS) architectu	Rel-6	No	S5	No	СН	TSG						
300       Image: Single intervention of the single interventinterventinte single interventintervention of the single			35028	OCS: Applications and interfaces	Rel-6	No	S5	No	СН	TSG	-					
3010       3603       PS domain charging       Rei       No       SS       No       CH       TSG         302       3031       CDR transfer       Rei       No       SS       No       CH       TSG         303       3041       CDR transfer       Rei       No       SS       No       IMS2-CH       TSG         304       3051       Charging Management for the IMS       Rei       No       SS       Vert       TSG         305       303       Overall architectural aspects of IP flow       Rei       No       SS       Vert       TSG         305       3208       Overall architectural aspects of IP flow       Rei       No       SS       Vert       TSG         307       3208       Overall architectural aspects of IP flow       Rei       No       SS       Vert       SG       TSG         307       3209       Overall diminor FFSC architecture       Rei       No       SS       Vert       SG       TSG         308       3102       Study on providing policy control with FSC       Rei       No       SG       TSG         309       TGCA       Study on providing policy control with FSC       Rei       No       SG       SG </td <td>299</td> <td>&lt; 🐁</td> <td>35017</td> <td>Charging Management for Bearer level</td> <td>Rel-6</td> <td>No</td> <td>S5</td> <td>No</td> <td>СН-ВС</td> <td>TSG</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	299	< 🐁	35017	Charging Management for Bearer level	Rel-6	No	S5	No	СН-ВС	TSG						
302 $\checkmark$ 303       CDR transfer       Refe       No       SS       No       CH       TSG         303 $\checkmark$ 35018       Charging Management for the IMS       Refe       No       SS       No       MS2-CH       TSG         304       III       35019       Charging Management for the Service do       Refe       No       SS       Yes       CH       TSG         305       S       3208       Overall architectural aspects of IP flow b       Refe       No       SS       Yes       CH+BC       No       SS         306 $\checkmark$ 32080       Overall definition of FBC architecture       Refe       No       SS       Yes       CH+BC       TSG         308 $\checkmark$ 32080       Overall definition of FBC architecture       Refe       No       SS       Yes       CH+BC       TSG         308 $\checkmark$ 13020       Gx interface for flow based charging       Refe       No       No       SS       Stat	300	<b>V</b> 🤌	35029	CS domain charging	Rel-6	No	S5	No	СН	TSG						
303Image: Section of the sectin of the section of the se	301	<b>√</b> ∕ ∕	35030	PS domain charging	Rel-6	No	S5	No	СН	TSG						
304       100       Charging Management for the Service do       Rel-6       No       S5       Yes       CH       TSG         305       3203       Overall architectural aspects of IP flow be       Rel-6       No       S2       No       CH-FBC       Ice         306       3203       Overall definition of FBC architecture       Rel-6       No       S2       No       CH-FBC       Ice         307       3203       Overall definition of FBC architecture       Rel-6       No       S2       Yes       CH-FBC       Ice         308       3203       Oxerall definition of FBC architecture       Rel-6       No       S2       Yes       CH-FBC       Ice         309       Siddy on providing policy ontrol with FBC       Rel-6       No       No       Yes       CH-FBC       TSG         300       Siddy on providing policy ontrol with FBC       Rel-6       No       No       Ves       CH-FBC       TSG         3010       Siddy on providing policy ontrol with FBC       Rel-6       No       No       USA11       TSG         3110       Siddy       Rel-6       UICC/USIM enhancements and inte       Rel-6       No       USA11       No       IsA1         3131       Ves	302	<b>V</b> 🖗	35031	CDR transfer	Rel-6	No	S5	No	СН	TSG						
303       3203       Overall architectural aspects of IP flow b       Rel-       No       CM-       SC       No       CH-FBC       Interface       Interface <thinterface< th="">       Interface       <thinter< td=""><td>303</td><td><b>√%</b>Ր</td><td>35018</td><td>Charging Management for the IMS</td><td>Rel-6</td><td>No</td><td>S5</td><td>No</td><td>IMS2-CH</td><td>TSG</td><td></td><td></td><td></td><td></td><td></td><td></td></thinter<></thinterface<>	303	<b>√%</b> Ր	35018	Charging Management for the IMS	Rel-6	No	S5	No	IMS2-CH	TSG						
No.         Score and definition of FBC architecture         Rel-6         No.         Score and definition         Score and definition           300         1302         Gxi interface for flow based charging         Rel-6         No.         No.         Score and definition	304	≣ØĈ	35019	Charging Management for the Service do	Rel-6	No	S5	Yes	СН	TSG				588		
307       3207       Study on providing policy control with FBC       Rele       No       S2       No	305	۰.	32030	Overall architectural aspects of IP flow ba	Rel-6	No	S2	No	CH-FBC						_	
308       3302       Gx interface for flow based charging       Rel-6       No       No       No       No       Ves       CH-FBC       TSG         309       13021       Rx interface for flow based charging       Rel-6       No       No       No       Ves       CH-FBC       TSG         310       1800       Rel-6 UICC/USIM enhancements and inte       Rel-6       No       TSG       Image: State	306	$\checkmark$	32069	Overall definition of FBC architecture	Rel-6	No	S2	Yes								
No <td>307</td> <td><math>\checkmark</math></td> <td>32070</td> <td>Study on providing policy control with FBC</td> <td>Rel-6</td> <td>No</td> <td>S2</td> <td>No</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td>	307	$\checkmark$	32070	Study on providing policy control with FBC	Rel-6	No	S2	No			-					
NoNoUSAT1TSG3111802UICC APIRel-6NoNoUSAT1-APIIC3111802UICC APIRel-6NoNoUSAT1-APIIC3121802Java API Test specificationRel-6NoNoUSAT1-APIIC3131803MOVED to Rel-5 WP DELETE HERE Java API TeRel-6NoT3NoUSAT1-APITSG3141803MOVED to Rel-5 WP DELETE HERE Java API TeRel-6NoT3NoUSAT1-APITSG31418042G/3G Java Card M API based applet interworkingRel-6NoT3NoUSAT1-APITSG315180543003CUJSIM API for Java Card Testing Work ItemRel-6NoT3NoUSAT1-APITSG3161804Rel-6 USIM toolkit enhancementsRel-6NoT3NoUSAT1-API-MULTOTSG3171805S0203C SIM APIRel-6NoRel-6NoT3NoISG3171805S0203SpecificationRel-6NoT3NoUSAT1-API-MULTOTSG3181805S0203SpecificationRel-6NoT3NoISG3191805S0203Test specificationRel-6NoT3NoISG3191805S0203Test specificationRel-6NoT3NoISG	308	< 🐁	13020	Gx interface for flow based charging	Rel-6	No	N3	Yes	CH-FBC	TSG						
Image: Section of the section of th	309	<b></b>	13021	Rx interface for flow based charging	Rel-6	No	N3	Yes	CH-FBC	TSG						
All of the constraint of the con	310	۹.	1800	Rel-6 UICC/USIM enhancements and inte	Rel-6	No	Т3	No	USAT1	TSG						
313       √ 3003       MOVED to Rel-5 WP DELETE HERE Java API to Rel-6       No       No       No       Income into the set of the set		<u></u>	1802	UICC API	Rel-6	No	Т3	No	USAT1-API	1		: :	<u> </u>			
111	312	< 🐁	43001	Java API Test specification	Rel-6	No	Т3	No								
A 100A 100	313	<₿	43003	MOVED to Rel-5 WP DELETE HERE Java API T $\epsilon$	Rel-6	No	Т3	No								
31643004Rel-6 USIM toolkit enhancementsRel-6NoNoNoImage: Second	314	< 🐁	43006	2G/3G Java Card™ API based applet interworkinç	Rel-6	No	Т3	No	USAT1-API	TSG						
317 $\sqrt{2}$ 50203C SIM APIRel-6NoCT3NoUSAT1-API-MULTOTSG318 $\sqrt{2}$ 502032SpecificationRel-6NoT3NoTSG319 $\sqrt{2}$ 502033Test specificationRel-6NoT3NoTSG	315	<b></b>	43007	(U)SIM API for Java Card Testing Work Item	Rel-6	No	Т3	No		TSG						
318Image: SpecificationRel-6NoTSG319Image: SpecificationRel-6NoRel-6NoTSG	316		43004	Rel-6 USIM toolkit enhancements	Rel-6	No	Т3	No						•		
319     502033     Test specification     Rel-6     No     T3     No     TSG	317	< 🐁	502031		Rel-6	No	Т3	No	USAT1-API-MULTO	TSG						
	318	< 🐁	502032	Specification	Rel-6	No	Т3	No		TSG						
320 III 43009 USIM application toolkit Conformance Test Specif Rel-6 No T3 No TSG	319	< 🐁	502033	Test specification	Rel-6	No	Т3	No		TSG						
	320	<b></b>	43009	USIM application toolkit Conformance Test Specif	Rel-6	No	Т3	No		TSG						

ID	6	Jnique_IC	Name	Release	Early	Resource Names	Modifie	Acronym	Level of Approva	
321	2	34022	Packet Switched Streaming Services Rel	Rel-6	No	S4	Yes	PSSrel6	TSG	
322	<b>√</b> ∕ ∕	31039	Stage 1	Rel-6	No	S1	No		TSG	
323		34024	Stage 3	Rel-6	No	S4	Yes	PSSrel6-Stage3	WG	
324	<b>=</b>	34023	AMR-WB extension for high audio quality	Rel-6	No	S4	Yes	AMRWB+	TSG	
325	<b>√%</b> Ը	34027	Codec Enhancements for Packet Switche	Rel-6	No	S4	No	CEPSCM	WG	
326	<b>√%</b> [	34028	3G-324M Improvements	Rel-6	No	S4	No	3G-324MI	WG	
327	√ 🐁 👘	51101	Single Antenna Receiver Interference Ca	Rel-6	No	GP,G1	No	SAIC	TSG	
328	۹.	50500	Support of Conversational Services in A/	Rel-6	No	GP	No	SCSAGB	TSG	
329	√ 🐁 👘	50501	Creation of a TR	Rel-6	No	GP	No	SCSAGB-TR	TSG	
330	≣⊘C	50502	Stage 2	Rel-6	No	GP	No	SCSAGB-Stage2	TSG	
331	≣⊘Ĉ	50503	Radio Channel Support	Rel-6	No	GP	No	SCSAGB-RCS	TSG	
332	≣⊘Ĉ	50504	Definition of radio resource management	Rel-6	No	GP,G2	No	SCSAGB-RRM	TSG	
333	≣øĈ	50505	PS Handover	Rel-6	No	GP	No	SCSAGB-PSH	TSG	
334	≣⊘Ë	50506	Modifications to FLO	Rel-6	No	GP,G2	No	SCSAGB-FLO	TSG	
335	<b>√&amp;</b> ¯	12006	Enhancement of dialled service for CAMI	Rel-6	No	S1	No	EDCAMEL	TSG	
336	√&	12007	Stages 2 and 3	Rel-6	No	N4	Yes			
337	√&	32060	Bandwidth and resource savings in CS n	Rel-6	No	S2	No	BARS		
338	√%C	33018	FS on (U)SIM Security Reuse by Peripher	Rel-6	No	S3	No		TSG	
339			Multiple TBF in A/Gb mode	Rel-6	No	GP,G2	No	MULTBF	TSG	
340	√ 🐁	50601	Multiple TBF in A/Gb mode	Rel-6	No	GP,G2	No	MULTBF-Agbmode	TSG	
341	<ul> <li>✓</li> </ul>	50602	Multiple TBF Concept paper	Rel-6	No	GP,G2	No			
342	$\checkmark$	50603	Multiple TBF Stage 2 (43.064) CRs	Rel-6	No	GP,G2	No			
343	$\checkmark$	50604	Multiple TBF Stage 3 (44.060) CRs	Rel-6	No	GP,G2	No			
344	<b>≣⊘</b> ⊂	50605	Deleted at TGS # 27 - Multiple TBF in A/Gb i	Rel-6	No	G3	Yes	MULTBF-Testing	TSG	▲ 28/01
345	<u>.</u>	50096	Alignment between the test-regimes for (	Rel-6	No	G3	No	ALTERE	TSG	
346		50097	Determine the controversial test cases in the different t	Rel-6	No	G3	No	ALTERE-TC	TSG	
347	VÓC	50444	Addition of U-TDOA in the CS domain	Rel-6	No	GP	No	UTDOACS	TSG	
348	√ 🔒 📜	50445	Addition of U-TDOA in the PS domain	Rel-6	No	GP	No	UTDOAPS	TSG	
349	<u>.</u>		Downlink Advanced Receiver Performan	Rel-6	No	GP	No	DARP	TSG	
350	<u>~</u>	50102	DARP test scenarios	Rel-6	No	GP	No	DARP-TS	TSG	
351		50103	DARP for GMSK modulated voice service	Rel-6	No	GP	No	DARP-GMSK	TSG	
352	<i>✓</i>	50104	Performance requirements in 45.005	Rel-6	No	GP	No	DARP-GMSK-Perf	TSG	
353	~	50105	Radio subsystem link control in 45.008	Rel-6	No	GP	No	DARP-GMSK-LC	TSG	
354	√ 🤮	50106	DARP for GPRS and EGPRS MCS1-MCS4	Rel-6	No	GP	Yes	DARP-GPRSE	TSG	
355		50107	Performance requirements in 45.005	Rel-6	No	GP	No	DARP-GPRSE-Perf	TSG	
356	<u>_</u>	50108	Radio subsystem link control in 45.008	Rel-6	No	GP	No	DARP-GPRSE-LC	TSG	
357	• •	50115	DARP Capability signalling	Rel-6	No	GP	No	DARP-CAPSIG	TSG	
358	• • •	50116	GERAN MS Conformance test for DARP	Rel-6	No	G3	Yes	ARP-ConfTest	TSG	
359	<u> </u>		Reduction of PS service interruption in D		No	G2	No	PSintDTM	TSG	
360	₩ √ (¢)	50110	Use case and requirement definition	Rel-6	No	G2	No	PSintDTM-Req	TSG	
	* 🚩 _	-			-		-	- 1		

ID	-	Jnique_IE	Name	Release	Earry	Resource Names	would	e Acronym	Level of Approva		Qtr 3, 20	04		Qtr 1, 2005	5		Qtr 3, 2
264	0	50444		D-1 0	N		N			Mar May	Jul	Sep	Nov	Jan	Mar	May	Jul
361	<b>√</b> @ <u>C</u>	50111	Performance Study of Current Procedure	Rel-6	No	G2	No	PSintDTM-Perf	TSG								
362	< ●	50112	Reduction of service interruption times a	Rel-6	No	G2	No	PSintDTM-Reduct	TSG								
363	<b>•</b>	50113	MS Conformance testing	Rel-6	No	G3	No	PSintDTM-ConfMS	TSG								
364		50114	BTS Conformance testing	Rel-6	No	G3	No	PSintDTM-ConfBTS	TSG								
365	< 😪	12008	CAMEL prepay interworking with SCUDII	Rel-6	No	N4	Yes	SCCAMEL									
366	۹.	31046	<b>Circuit Switched Video and Voice Service</b>	Rel-6	No	S1	No	cs_vss	TSG								
367	$\checkmark$	31047	Stage 1 - Requirements	Rel-6	No	S1	No		TSG								
368	$\checkmark$	32071	Stage 2 Study on architecture alternatives	Rel-6	No	S2	No				:						
369	$\checkmark$	32072	Stage 2 description on Redial	Rel-6	No	S2	Yes										
370		52137	GERAN2 Part	Rel-6	No	G2	No		TSG								
371		13017	Deleted - CN3 Part	Rel-6	No	N3	No										
372	<b>≣</b> ⊘∩	33020	Network Domain Security; MAP applicati	Rel-6	No	S3	No	MAPSEC	TSG								
373	≣øĈ	33021	FS on Security for early IMS	Rel-6	No	S3	No	SEC-IMS	TSG						909		
374	√ØĒ		Reorganisation of CS Data Specifications	Rel-6	No	N3	Yes	CS Data	TSG								
375	VÕČ	31029	Deleted - Study of Feature Interactions Requirements	Rel-6	No	S1	No	FINTER				•	01/10				
376		0	Rel-7 Features listed below	Rel-7	No		No					•					
377	۹.	2468	Multiple Input Multiple Output antennas (	Rel-7	No	R1	No	MIMO	TSG	-				1			1
78		21006	MIMO - Physical layer	Rel-7	No	R1	No	MIMO-Phys	TSG								
379		22003	MIMO - Layer 2,3 aspects	Rel-7	No	R2	No	MIMO-L23	TSG								
80		23008	MIMO - lub/lur Protocol Aspects	Rel-7	No	R3	No	MIMO-lurlub	TSG								
81		24008	MIMO - RF Radio Transmission/Receptior	Rel-7	No	R4	No	MIMO-RF	TSG								
882	<u> </u>	31062	TBC: WLAN-UMTS Interworking Phase 2	Rel-7	No	S1	No	WLAN	TSG		1			÷			:
383	✓	31057	Stage 1 on Session Continuity	Rel-7	No	S1	No	WLAN-SC									1
384	III	13022	DIAMETER on the PDG Wi inteface	Rel-7	No	N3	No	DIAMWi	TSG								
385	 	35041	TBC: OAM&P Rel-7	Rel-7	No	S5	No	OAM	TSG								
886		35039	Trace Management Rel-7	Rel-7	No	S5	Yes	OAM-Trace	TSG	-				1			i
387		35040	Trace Management for IMS	Rel-7	No	S5	Yes	OAM-Trace-IMS	TSG	-						000000000	
388		11046	SIP enhancements for trace	Rel-7	No	N1	No	Trace-SIP									00000000
389	 ()		TBC: Generic User Profile Phase 2	Rel-7	No	N4	No						****************			0000000	
390		42003	Stage 3 - Common objects	Rel-7	No	N4	Yes		TSG	********					1		
391	····· /····		PS domain and IMS impacts for supporti	Rel-7	No	S2	No	EMC1	TSG								:
392	1999 	1314	Service Requirements for IP-based emerg	Rel-7	No	S1	No										1
393	× IIII	32046	Stage 2 for IMS-level solution	Rel-7	No	S2	No		TSG								
394		32040	Stage 2 for GPRS-level solution	Rel-7	No	S2	Yes										
394 395		1653	5	Rel-7	No	52 N1	No										
396		1315	Emergency Call Enhancements for IP& P IMS aspects to support IMS Emergency sessions	Rel-7	No	N1	Yes										
			PS domain aspects to support IMS Emergency se														
397		1646		Rel-7	No	N1	Yes	ACROD	TRO								
398	<b>*</b>		Access Class Barring and Overload Prot	Rel-7	No	S2	No	АСВОР	TSG					;			
399		32065	TR on Stage 2	Rel-7	No	S2	No		TSG		-						
400		50117	Extra ACBOP information in GERAN	Rel-7	No	GP	No		TSG								

ID		Jnique_IE	Name	Release	Early	Names	woun	ie Acronym	Level of Approva			Qtr 3. 2	2004		Qtr 1, 200	)5		Qtr 3, 200
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401	<b>~</b>	11048	Stage 3 CN aspects of ACBOP	Rel-7	No	N1								. I				
402		20010	Deleted - Potential impact on lu interface Overload fun	Rel-7	No	RP	No			• 15/03	3							
403		20009	Deleted - Extra ACBOP information in RAN	Rel-7	No	RP	No			• 15/03								
404	۹.	31048	USSD message delivery and transfer to L	Rel-7	No	S1	No		TSG			1				•		
405	<b></b>	31060	Stage 1	Rel-7	No	S1	No		TSG									
406	<b></b>	43008	Alignment with requirements regarding U	Rel-7	No	Т3	No		TSG			:				3		
407	۹.	32079	Location Services enhancements Rel-7	Rel-7	No	S2	No	LCS3										ė.
408	۹.	31052	LCS for 3GPP Interworking WLAN	Rel-7	No	S1	Yes	LCS3-IWLAN	TSG			$\geq$			<b> </b>			
409		32077	Feasibility study on 3GPP system to Wireless Loc	Rel-7	No	S1	Yes					0						
410		20030	UE positioning Rel-7	Rel-7	No	RP	No	LCS3-UEpos	TSG									
411	<b>=</b>	20012	Inclusion of Uplink TDOA UE positioning method i	Rel-7	No	R2	No	LCS3-UEPos-UTDO/	TSG				÷					
412		50558	LCS Enhancements Related to Location-E	Rel-7	No	GP	Yes	LCS3-LBS	TSG									1
413		32029	FS on applicability of GALILEO for LCS	Rel-7	No	S2	No					;						•
414		32058	TR on Stage 2	Rel-7	No	S2	No											
415		50095	deleted - GERAN review of the TR	Rel-7	No	GP	No											-
416		31049	Enhancements of VGCS in public networ	Rel-7	No	S1	No	EGCS	TSG			<u> </u>			:	•		:
417		31061	Stage 1	Rel-7	No	S1	No	EGCS	TSG		,							
418	<b>≣</b> ⊘⊂	11045	Enhancements of VGCS in public network	Rel-7	No	N1	Yes	EGCS	TSG									
419	<b>.</b>	11053	Improvements of VGCS in public network	Rel-7	No	N1	Yes	EGCS				-						
420		31050	Behaviour of Multi system UEs	Rel-7	No	S1	Yes	BMSU	TSG				-					
421			Selective Disabling of UE Capabilities	Rel-7	No	S1	Yes	SDoUE	TSG									
422	<u>.</u>		FS on IMS with real time services deploy	Rel-7	No	S1	No	IRTSD	TSG							<b>†</b>		
423	~ €	31055	Feasibility Study on Combining CS calls a	Rel-7	No	S1	Yes	IRTSD-CS_IMS	TSG									:
424		32076	TR on Stage 2 (IMS services using CS bea		No	S2	Yes	IRTSD-IMSCS	TSG						00000			
425		32083	TS on Stage 2 (IMS services using CS bea		No	S2	Yes	IRTSD-IMSCS	TSG									-
426		31063	Combinational Services	Rel-7	No	S1	No	IRTSD-IMSCSs1	TSG									
427		31064	Stage 1	Rel-7	No	S1	Yes	CSICS	TSG									
428		32084	Stage 2	Rel-7	No	S2	Yes	CSICS	TSG									0000
429		31059	All-IP Network Feasibility Study	Rel-7	No	S1	Yes	AIPFS	TSG						0000		******************	200000
430			Enhancement of E2E QoS	Rel-7	No	S2	No	QoS7	TSG				1	1000000				
431	_~~		System enhancements for fixed broadba	Rel-7	No	S2	No	FBI	TSG									
432		32075	Stage 2	Rel-7	No	S2	Yes	FBI	TSG	-								
433		11050	Protocol impact from providing IMS servio		No	N1	Yes	FBI	TSG			_						
434			Deleted - IMS Phase 3	Rel-7	No	S2	No					-				-		08/06
435	*		IMS Local services (CN WID needed)	Rel-7	No	S2	No					1						00,00
436	√ 🤌	32019	Stage 2 (SA2 propose delete this)	Rel-7	No	52 S2	No					1						
437		11035	Stage 3 for IMS Local services	Rel-7	No	N1	No											
438		14012	Mp (MRFC - MRFP) interface - CN4 Part (c		No	N1	Yes	IMS2-Mp										
438				Rel-7	No	N4	No	initez-inip										
			IMS Stage 3 IETF Protocol alignment					Rinimp	TSG				<u>ـ</u> . ـ					<u></u>
440	≣ø <u>⊆</u>	101216	Deleted - Improvements of Radio Interface	Rel-7	No	RP	No	КШШР	130			1	🔶 15	/09				

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200	120	Del 7 Incompany and a state Deally Interface	Rel-7	No	RP	No	Rinimp		Mar May	Jul	Sep Nov	Jan Ma	r May	Jul
-	121	Rel-7 Improvements of the Radio Interfac UMTS 2.6 GHz	Rel-7	No	R4	No	RInImp-UMTS2600	TSG						:
200	)25	UMTS 2.6 GHz TDD	Rel-7	No	R4	No	Rinimp-UMTS2600TI							
200			Rel-7	No	R4	No	Rinimp-UMTS900	TSG						
		UMTS 900 MHz										•		
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505 <u>-</u>			Rel-7							I				
		Generic Access to A/Gb Interface (GAAI)	Rel-7	No		Yes						: :		•
505 <u>-</u>	544	FS on GAAI	Rel-7	No	GP	No	GAAG	TSG						
~	554	GAAI – Stage 2	Rel-7	No	GP	Yes	GAAI-Stage2	TSG		I				
505	555	GAAI – Stage 3	Rel-7	No	GP	Yes	GAAI-Stage3	TSG						
~		MS Conformance Test for GAAI	Rel-7	No	GP	No	GAAI-CT	TSG						
69	557	Enhancements of VGCS in public networ	Rel-7	No	G2	No	EVGCS	TSG						
	030	Video Codec Performance Requirements	Rel-7	No	S4	No	VICPer	TSG						
i30 🖉	023	DIAMETER on the GGSN Gi interface	Rel-7	No	N3	No	DIAMGi	TSG						
310	065	CAMEL Trunk Triggers	Rel-7	No	S1	Yes	TTCAMEL	TSG						
310	066	CAMEL Trunk Triggers Stage1	Rel-7	No	S1	Yes	TTCAMEL	TSG						
×	017	CAMEL Trunk Originated Trigger Detectio	Rel-7	No	N4	Yes	CamelR7	TSG						
 501	118	MS Antenna Performance Evaluation Met	Rel-7	No	G1	Yes	APEMR	TSG			-			
501	119	Lower 700 MHz Inclusion in the GERAN \$	Rel-7	No	GP	Yes	GSM710	TSG						
320	085	3GPP System Architecture Evolution	Rel-7	No	S2	Yes		TSG						
320	086	Stage 2 description of Interim conclusion	Rel-7	No	S2	Yes								
320	087	Stage 2 Feasibility study on 3GPP archite	Rel-7	No	S2	Yes								
	200 200 200 200 200 200 200 200	<ul> <li>20024</li> <li>20014</li> <li>20015</li> <li>20016</li> <li>20017</li> <li>20018</li> <li>20019</li> <li>20020</li> <li>20020</li> <li>20020</li> <li>20020</li> <li>20020</li> <li>32082</li> <li>32082</li> <li>31051</li> <li>50554</li> <li>50555</li> <li>34030</li> <li>31066</li> <li>14017</li> <li>50118</li> <li>50118</li> </ul>	20024UE Antenna Performance Evaluation Meth200147.68Mcps TDD option200157.68Mcps TDD option: Stage 2200167.68Mcps TDD option: Physical Layer200177.68Mcps TDD option: Layer 2 and layer 3200187.68Mcps TDD option: UTRAN lub/lur Proi200197.68Mcps TDD option: UTRAN lub/lur Proi20023FS on Evolved UTRA and UTRAN20029Rel-7 RAN improvements20026Optimisation of channelisation code utilis32081Support of SMS and MMS over generic 332082Evolution of Policy Control and Charging31051Advanced Global Navigation Satellite Sy:50548Support for GNSS in GERAN50551Towards A-GNSS Concept50552FS of enhanced support of Video Telephy50553Generic 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of enhanced support of Video TelephRel-7NoGPNoVIDGERTSG20053Generic Access to A/Gb Interface (GAAI)Rel-</th><th>2004         UE Antenna Performance Evaluation Mett         Re-7         No         R4         No         Rhimp-UEAnt         TSG           2004         7.68Mcps TDD option:         Stage 2         Re-7         No         R1         No         VHCRTDD         TSG           20016         7.68Mcps TDD option:         Stage 2         Re-7         No         R1         No         VHCRTDD-Stage 2         TSG           20016         7.68Mcps TDD option:         Layer 2 and layer 3         Re-7         No         R1         No         VHCRTDD-Phys         TSG           20017         7.68Mcps TDD option:         LTRAN lub/lur Pro         Re-7         No         R4         No         VHCRTDD-AFF         TSG           20019         7.68Mcps TDD option:         RF Radio Transmit         Re-7         No         R4         No         VHCRTDD-AFF         TSG           20028         Rel-7 RAN improvements         Re-7         No         R4         No         RAMImp-RABSE-Coc         TSG           20028         Optimisation of channelisation code utilis         Re-7         No         S1         No         RAMSE-Coc         TSG           20028         Evolution of Policy Control and Charging         Re-7         No         S1&lt;</th><th>20024       UE Antenna Performance Evaluation Mett       Rei-7       No       R4       No       RNImp-UEAnt       TSG         20014       7.68Mcps TDD option:       Stage 2       Rei-7       No       RP       No       VHCRTDD       TSG         20016       7.68Mcps TDD option:       Layer 2       Rei-7       No       R1       No       VHCRTDD-Stage 2       TSG         20016       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R1       No       VHCRTDD-Layer 3       TSG         20018       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R3       No       VHCRTDD-Layer 3       TSG         20019       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R4       No       VHCRTDD-Layer 3       TSG         20029       Rol-recolved UTRA and UTRAN       Rei-7       No       RP       No       RANImp-RABSE-Coc       TSG         20028       Optimisation of channelisation code utilis       Rei-7       No       R2       No       LCS3-AGNS5       TSG         20028       Optimisation of SI GERAN       Rei-7       No       GP       No       LCS3-AGNS5       TSG         20031       Adva</th><th>2002       UE Antenna Performance Evaluation Mett       Rei.7       No       R4       No       Rhimp-UEAnt       TSG         20014       7.68Mcps TDD option       Rei.7       No       RP       No       VICRTOD       TSG         20015       7.68Mcps TDD option: Stage 2       Rei.7       No       R1       No       VICRTOD       TSG         20016       7.68Mcps TDD option: Layer 2 and layer 3       Rei.7       No       R2       No       VICRTOD-NE       TSG         20017       7.68Mcps TDD option: UTRAN lub/lur Prov       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20018       7.68Mcps TDD option: UTRAN lub/lur Prov       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20018       7.68Mcps TDD option: REAT       No       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20028       REI-7 RAN improvements       Rei.7       No       R2       No       R2       No       R2       No       R2       No       R2       No       S2       No       S2</th><th>2020       UE Antenna Performance Evaluation Met       Rei-7       No       Seg       No       Seg       Subport of SMS and MMS over generic 3       Rei-7       No       Seg       No       Seg       Subport of SMS and MS over generic 3       Rei-7       No       Seg</th><th>2022       UE Antenna Performance Evaluation Mett       Rei-7       No       Rei       No       Reimp-UEAnt       TSG         2014       7.68Mcps TDD option:       Reizer       No       Rei       No       Rei       No       VickTDD       TSG         2015       7.68Mcps TDD option:       Rigit 2       Rei&lt;7       No       Rei       No       VickTDD-Hyp       TSG         2016       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L23       TSG         20016       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L43       TSG         20017       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L43       TSG         20028       FS on Exolyed UTRA and UTRAN       Rei-7       No       Rei       No       RAIN-75       No       Rei       No       RAIN-76       No       S2       No       PCC       TSG         20028       FS on Exolyed UTRA and UTRAN       Rei-7       No       G2       No       PCS       TSG         30081       Advanced Global Navigation o Stalling Sy       Rei-7       No&lt;</th></t<></th>	20024UE 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3Rel-7NoR1NoVHCRTDD-Phys200177.68Mcps TDD option: Layer 2 and layer 3Rel-7NoR1NoVHCRTDD-L33200187.68Mcps TDD option: RF Radio TransmisRel-7NoR4NoVHCRTDD-L4220029Rel-7 RAN improvementsRel-7NoRPNoRANimp-20020Rel-7 RAN improvementsRel-7NoR1NoRANimp-RABSE-Coc2002132081Support of SMS and MMS over generic 3Rel-7NoS2YesSMSIP20022SoftaSupport of SMS and GERANRel-7NoS2NoPCC31051Advanced Global Navigation Satellite Sy:Rel-7NoGPNoAcNSS-GP50552FS of enhanced support of Video TelephRel-7NoGPNoAcNSS-GP50553Genaric Access to A/Gb Interface (GAAI)Rel-7NoGPNoGAAG50554GAAI - Stage 2Rel-7NoGPNoGAAG50555GAAI - Stage 2Rel-7NoGPNoGAAG50556GAAI - Stage 2Rel-7NoGPNoGAAG <t< th=""><th>2004UE Antenna Performance Evaluation MettRel-7NoR4NoRinImp-UEAntTSG200147.68Mcps TDD optionRel-7NoRPNoVHCRTDDTSG200157.68Mcps TDD option: Physical LayerRel-7NoR1NoVHCRTDD-Stage2TSG200167.68Mcps TDD option: Layer 2 and layer 3Rel-7NoR1NoVHCRTDD-L23TSG200177.68Mcps TDD option: Layer 2 and layer 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VHCRTDD-Stage 2         TSG           20016         7.68Mcps TDD option:         Layer 2 and layer 3         Re-7         No         R1         No         VHCRTDD-Phys         TSG           20017         7.68Mcps TDD option:         LTRAN lub/lur Pro         Re-7         No         R4         No         VHCRTDD-AFF         TSG           20019         7.68Mcps TDD option:         RF Radio Transmit         Re-7         No         R4         No         VHCRTDD-AFF         TSG           20028         Rel-7 RAN improvements         Re-7         No         R4         No         RAMImp-RABSE-Coc         TSG           20028         Optimisation of channelisation code utilis         Re-7         No         S1         No         RAMSE-Coc         TSG           20028         Evolution of Policy Control and Charging         Re-7         No         S1&lt;</th><th>20024       UE Antenna Performance Evaluation Mett       Rei-7       No       R4       No       RNImp-UEAnt       TSG         20014       7.68Mcps TDD option:       Stage 2       Rei-7       No       RP       No       VHCRTDD       TSG         20016       7.68Mcps TDD option:       Layer 2       Rei-7       No       R1       No       VHCRTDD-Stage 2       TSG         20016       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R1       No       VHCRTDD-Layer 3       TSG         20018       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R3       No       VHCRTDD-Layer 3       TSG         20019       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R4       No       VHCRTDD-Layer 3       TSG         20029       Rol-recolved UTRA and UTRAN       Rei-7       No       RP       No       RANImp-RABSE-Coc       TSG         20028       Optimisation of channelisation code utilis       Rei-7       No       R2       No       LCS3-AGNS5       TSG         20028       Optimisation of SI GERAN       Rei-7       No       GP       No       LCS3-AGNS5       TSG         20031       Adva</th><th>2002       UE Antenna Performance Evaluation Mett       Rei.7       No       R4       No       Rhimp-UEAnt       TSG         20014       7.68Mcps TDD option       Rei.7       No       RP       No       VICRTOD       TSG         20015       7.68Mcps TDD option: Stage 2       Rei.7       No       R1       No       VICRTOD       TSG         20016       7.68Mcps TDD option: Layer 2 and layer 3       Rei.7       No       R2       No       VICRTOD-NE       TSG         20017       7.68Mcps TDD option: UTRAN lub/lur Prov       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20018       7.68Mcps TDD option: UTRAN lub/lur Prov       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20018       7.68Mcps TDD option: REAT       No       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20028       REI-7 RAN improvements       Rei.7       No       R2       No       R2       No       R2       No       R2       No       R2       No       S2       No       S2</th><th>2020       UE Antenna Performance Evaluation Met       Rei-7       No       Seg       No       Seg       Subport of SMS and MMS over generic 3       Rei-7       No       Seg       No       Seg       Subport of SMS and MS over generic 3       Rei-7       No       Seg</th><th>2022       UE Antenna Performance Evaluation Mett       Rei-7       No       Rei       No       Reimp-UEAnt       TSG         2014       7.68Mcps TDD option:       Reizer       No       Rei       No       Rei       No       VickTDD       TSG         2015       7.68Mcps TDD option:       Rigit 2       Rei&lt;7       No       Rei       No       VickTDD-Hyp       TSG         2016       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L23       TSG         20016       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L43       TSG         20017       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L43       TSG         20028       FS on Exolyed UTRA and UTRAN       Rei-7       No       Rei       No       RAIN-75       No       Rei       No       RAIN-76       No       S2       No       PCC       TSG         20028       FS on Exolyed UTRA and UTRAN       Rei-7       No       G2       No       PCS       TSG         30081       Advanced Global Navigation o Stalling Sy       Rei-7       No&lt;</th></t<>	2004UE Antenna Performance Evaluation MettRel-7NoR4NoRinImp-UEAntTSG200147.68Mcps TDD optionRel-7NoRPNoVHCRTDDTSG200157.68Mcps TDD option: Physical LayerRel-7NoR1NoVHCRTDD-Stage2TSG200167.68Mcps TDD option: Layer 2 and layer 3Rel-7NoR1NoVHCRTDD-L23TSG200177.68Mcps TDD option: Layer 2 and layer 3Rel-7NoR2NoVHCRTDD-L23TSG200187.68Mcps TDD option: RF Radio TransminRel-7NoR4NoVHCRTDD-L75TSG20029FS on Evolved UTRA and UTRANRel-7NoR4NoVHCRTDD-L75TSG20029Rel-7 RAN improvementsRel-7NoRPNoRANimp- 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option:         LTRAN lub/lur Pro         Re-7         No         R4         No         VHCRTDD-AFF         TSG           20019         7.68Mcps TDD option:         RF Radio Transmit         Re-7         No         R4         No         VHCRTDD-AFF         TSG           20028         Rel-7 RAN improvements         Re-7         No         R4         No         RAMImp-RABSE-Coc         TSG           20028         Optimisation of channelisation code utilis         Re-7         No         S1         No         RAMSE-Coc         TSG           20028         Evolution of Policy Control and Charging         Re-7         No         S1<	20024       UE Antenna Performance Evaluation Mett       Rei-7       No       R4       No       RNImp-UEAnt       TSG         20014       7.68Mcps TDD option:       Stage 2       Rei-7       No       RP       No       VHCRTDD       TSG         20016       7.68Mcps TDD option:       Layer 2       Rei-7       No       R1       No       VHCRTDD-Stage 2       TSG         20016       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R1       No       VHCRTDD-Layer 3       TSG         20018       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R3       No       VHCRTDD-Layer 3       TSG         20019       7.68Mcps TDD option:       Layer 2 and layer 3       Rei-7       No       R4       No       VHCRTDD-Layer 3       TSG         20029       Rol-recolved UTRA and UTRAN       Rei-7       No       RP       No       RANImp-RABSE-Coc       TSG         20028       Optimisation of channelisation code utilis       Rei-7       No       R2       No       LCS3-AGNS5       TSG         20028       Optimisation of SI GERAN       Rei-7       No       GP       No       LCS3-AGNS5       TSG         20031       Adva	2002       UE Antenna Performance Evaluation Mett       Rei.7       No       R4       No       Rhimp-UEAnt       TSG         20014       7.68Mcps TDD option       Rei.7       No       RP       No       VICRTOD       TSG         20015       7.68Mcps TDD option: Stage 2       Rei.7       No       R1       No       VICRTOD       TSG         20016       7.68Mcps TDD option: Layer 2 and layer 3       Rei.7       No       R2       No       VICRTOD-NE       TSG         20017       7.68Mcps TDD option: UTRAN lub/lur Prov       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20018       7.68Mcps TDD option: UTRAN lub/lur Prov       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20018       7.68Mcps TDD option: REAT       No       Rei.7       No       R2       No       VICRTOD-Lay       TSG         20028       REI-7 RAN improvements       Rei.7       No       R2       No       R2       No       R2       No       R2       No       R2       No       S2       No       S2	2020       UE Antenna Performance Evaluation Met       Rei-7       No       Seg       No       Seg       Subport of SMS and MMS over generic 3       Rei-7       No       Seg       No       Seg       Subport of SMS and MS over generic 3       Rei-7       No       Seg	2022       UE Antenna Performance Evaluation Mett       Rei-7       No       Rei       No       Reimp-UEAnt       TSG         2014       7.68Mcps TDD option:       Reizer       No       Rei       No       Rei       No       VickTDD       TSG         2015       7.68Mcps TDD option:       Rigit 2       Rei<7       No       Rei       No       VickTDD-Hyp       TSG         2016       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L23       TSG         20016       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L43       TSG         20017       7.68Mcps TDD option:       Layer 2 and Layer 3       Rei-7       No       Rei       No       VickTDD-L43       TSG         20028       FS on Exolyed UTRA and UTRAN       Rei-7       No       Rei       No       RAIN-75       No       Rei       No       RAIN-76       No       S2       No       PCC       TSG         20028       FS on Exolyed UTRA and UTRAN       Rei-7       No       G2       No       PCS       TSG         30081       Advanced Global Navigation o Stalling Sy       Rei-7       No<

