

Source: Secretary

Title: Status of Release 6

Agenda item: 5.1

Document for:

Decision	
Discussion	
Information	X

1 Introduction

This document provides a complete list of the features that are currently expected to be included with Release 6 and is accurate as of 26th September 2003. It should be noted that some debate is currently ongoing within 3GPP TSG SA to decide upon the actual content and the freezing date of Release 6. However, the freeze date seems unlikely to be before March 2004.

A Gantt Chart is included at the end of this document to show the progress made in completing Release 6 and the expectations for the completion of the outstanding work.

2 Features foreseen to belong to Release 6 and beyond

Evolutions of the transport in UTRAN

- Basket for potential work items regarding transport in UTRAN.
- Although no work items proposed so far, feature should be kept in the Work Plan as e.g. work in the field of inter-working between IP and ATM might lead to a work item in the future or use of ALCAP on Iub.
- Feature might also be shifted to a later Release

Rel-6 Improvements of Radio Interface

Will include:

- Improvement of inter-frequency and inter-system measurement
- Improving Receiver Performance Requirements for the FDD UE
- UMTS 850
- UMTS 800
- UMTS 1.7/2.1GHz

Multiple Input Multiple Output antennas (MIMO)

RAN improvements – Rel-6

Will include:

- Network Assisted Cell Change from UTRAN to GERAN

- Remote Control of electrical antenna tilting
- Beamforming Enhancements
- RAB support enhancement: lu enhancements for IMS support in the RAN

PS domain and IMS impacts for supporting IMS Emergency calls**LCS enhancements 2****Security Enhancements Rel-6**

Network domain security including:

- NDS/IP
- NDS/AF (Application Framework)
- GERAN A/Gb mode security enhancements
- G-MILENAGE Algorithm: completed at SA#18.

IMS Phase 2

Will include:

- IMS Local services.
- Mm interface (CSCF to external IP multimedia network)
- Interworking between IMS and CS networks (and Mg interface (BGCF to MGCF - interworking with CS))
- Mn interface (IM-MGW to MGCF) enhancements
- Mp (MRFC - MRFP) interface protocol definitions
- Gq (PDF – P-CSCF) interface, policy control
- Lawful Interception in the 3GPP Rel-6 architecture
- Enhancements to Cx and Sh interfaces:
- Review additional SIP Capabilities against IMS
- IMS Conferencing and IMS Messaging

Note: Stage 3 is closely dependent to the progress made by IETF

Might include (or to be moved to Rel-7):

- Interworking aspects and migration scenarios for IPv4 based IMS Implementations
- IMS Group Management

Interoperability and commonality between IMS using different IP connectivity networks (IMSCOOP)**Push Services****MMS (Multimedia Messaging Service) Enhancements**

Will include enhancements in the following areas:

- Consider and accommodate the needs of IMS
- Support for enhanced charging methods
- Terminal capability negotiation enhancements

- Security and privacy enhancements
- Enhancements to MM1 and MM4 reference points
- Enhancements of the interworking with external messaging systems
- Addressing enhancements
- Support of Digital Rights Management for MMS
- Support of Over-The-Air provisioning of MMS parameters

MExE Enhancements Rel-6

Will include:

- MExE Rel-6 Improvements and Investigations
- MExE Run-Time Independent Framework Feasibility Study

Comment from TSG T#19: no real new service offered by this feature.

Subscription Management**Presence****Multimedia Broadcast/Multicast Service****MBMS User Services** (Previously known as “Teleservices using MBMS”)**Speech Recognition and Speech Enabled Services****Generic User Profile****Digital Rights Management****WLAN/UMTS interworking****Priority Service****Network Sharing****QoS Improvements**

Will include:

- a Feasibility Study on Dynamic Policy Control Enhancements for End-to-End Quality of Service (QoS)
- Potentially work on Policy-based control of DiffServ.

Support for Subscriber Certificates**Performance evaluation of multimedia codecs for PS conversational services****Privacy Capability****Rel-6 OAM&P****Charging Management****IP Flow Based Bearer Charging Evolution****UICC/USIM enhancements and interworking for Rel-6**

Will include:

- C SIM API: 'C'-language binding for (U)SIM API for Release 6.
- Test specification for 'C'-language binding for (U)SIM API.
- 2G/3G Java Card™ API based applet interworking.

Packet Switched Streaming Rel-6**Enhancement of dialled service for CAMEL****GERAN Rel-6**

Will include:

- Addition of frequency bands to GSM
- Multiple TBF in A/Gb mode
- Seamless support of streaming services in A/Gb mode
- Flexible Layer One for GERAN
- Single Antenna Receiver Interference Cancellation (SAIC)
- Support of Conversational Services in A/Gb mode via the PS domain
- Alignment between the test-regimes for GERAN capable MS
- Uplink TDOA location determination for GSM/GPRS in CS and PS domains

Bandwidth and Resource savings and Speech Quality enhancements**3GPP Enablers for services like Push to Talk over Cellular (PoC)****FS on (U)SIM Security Reuse by Peripheral Device on Local Interface**

ID	Unique	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
1	2044	VERSION 2003 September 16th	Rel									
2	1462	"CTRL + a" to display all the 3GPP fields										
3	2058	Content of Rel-6 and after. Not frozen.	Rel									
4	0		Rel									
5	2	Evolutions of the transport in the UTRAN	NA	Yes								
6	1216	Improvements of Radio Interface	Rel-6	RP								
7	24006	Improving Receiver Performance Requirements for the FDD UE	Rel-6	R4								
8	1470	Improvement of inter-frequency and inter-system measurement	Rel-6	R1								
9	24004	Base station classification	Rel-6	R4								
10	1476	FDD Base station classification	Rel-6	R4								
11	24007	UMTS-850	Rel-6	R4								
12	24009	DS-CDMA introduction in the 800 MHz band	Rel-6	R4								
13	24010	UMTS 1.7/2.1 GHz	Rel-6	R4								
14	24003	FS for the viable deployment of UTRA in additional and diverse sp	Rel-6	R4								
15	24005	FS on UE antenna efficiency test methods performance requirem	Rel-6	R4								
16	1506	FS on Radio link performance enhancements	Rel-6	R1								
17	24001	FS on UTRA WideBand Distribution Systems	Rel-6	R4								
18	21000	FS on Improvement of inter-frequency and inter-system measure	Rel-6	R1								
19	21003	FS for the analysis of OFDM for UTRAN enhancements	Rel-6	R1								
20	21004	FS on Uplink Enhancements for Dedicated Transport Channels	Rel-6	R1								
21	21005	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	Rel-6	R1								
22	24011	FS on Low Output Powers for general purpose FDD BSs	Rel-6	R4								
23	21007	FS on Uplink enhancements for UTRA TDD	Rel-6	R1								
24	2468	Multiple Input Multiple Output antennas (MIMO)	Rel-6	R1								
25	21006	Multiple Input Multiple Output antennas - Physical layer	Rel-6	R1								
26	22003	Multiple Input Multiple Output antennas - Layer 2,3 aspects	Rel-6	R2								
27	23008	Multiple Input Multiple Output antennas - lub/lur Protocol Aspects	Rel-6	R3								
28	24008	Multiple Input Multiple Output antennas - RF Radio Transmission/	Rel-6	R4								
29	9	RAN improvements	Rel-6	RP								
30	20999	Beamforming Enhancements	Rel-6	R1								
31	624	RAB support enhancement	Rel-6	R2								
32	23009	Iu enhancements for IMS support in RAN	Rel-6	R3								
33	23005	Improvement of RRM across RNS and RNS/BSS	Rel-6	R3								
34	23006	FS on the evolution of the UTRAN architecture	Rel-6	R3								
35	23012	Rel6 RRM optimization for lur and lub	Rel-6	R3								
36	23007	FS of the improved access to UE measurement data for CRNC to support	Rel-6	R3								
37	23010	Remote Control of Electrical Tilting Antennas	Rel-6	R3								
38	23011	Network Assisted Cell Change (NACC) from UTRAN to GERAN - ne	Rel-6	R3								
39	32045	PS domain and IMS impacts for supporting IMS Emergency	Rel-6	S2								

ID	Unique_	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
40	1314	Service Requirements for IP-based emergency calls	Rel-6	S1	[Progress bar]							
41	32046	Stage 2	Rel-6	S2	[Progress bar]			[Progress bar]				
42	1653	Emergency Call Enhancements for IP& PS Based Calls – stage 3	Rel-6	N1	[Progress bar]							
43	1315	SIP emergency calls and packet emergency calls signalling flows	Rel-6	N1	[Progress bar]							
44	1646	Stage 3 for emergency calls and packet emergency calls in general	Rel-6	N1	[Progress bar]							
45	32023	Location Services enhancements 2	Rel-6	S2	[Progress bar]							
46	32024	Improvement on Le interface	Rel-6	S2	[Progress bar]							
47	32051	Stage 2	Rel-6	S2	[Progress bar]							
48	32053	Stage 3 in OMA - it impacts Mobile Location Protocol (MLP)	Rel-6	OMA				[Progress bar]				
49	32001	Enhanced support for anonymity and user privacy	Rel-6	S2	[Progress bar]							
50	32047	Stage 2	Rel-6	S2	[Progress bar]							
51	32054	Stage 3 in OMA (it impacts MLP and RLP)	Rel-6	OMA				[Progress bar]				
52	32025	Enhanced inter-GMLC interface	Rel-6	S2	[Progress bar]							
53	32048	Stage 2	Rel-6	S2	[Progress bar]							
54	32055	Stage 3 in OMA (definition of RLP and PCP)	Rel-6	OMA	[Progress bar]							
55	32012	Location Services support for IMS public identities	Rel-6	S2	[Progress bar]							
56	32049	Stage 2	Rel-6	S2	[Progress bar]							
57	32056	Stage 3 in OMA (impacts MLP, RLP and PCP)	Rel-6	OMA	[Progress bar]							
58	32026	New area event for location service triggering reports	Rel-6	S2	[Progress bar]							
59	32050	Stage 2	Rel-6	S2	[Progress bar]							
60	14015	Stage 3 for UE-CN signalling	Rel-6	N4				[Progress bar]				
61	32057	Stage 3 in OMA (impacts MLP, RLP and PCP)	Rel-6	OMA				[Progress bar]				
62	32029	FS on applicability of GALILEO for LCS	Rel-6	S2	[Progress bar]							
63	32058	TR on Stage 2	Rel-6	S2	[Progress bar]							
64	50095	GERAN review of the TR	Rel-6	GP				[Progress bar]				
65	20001	UE positioning	Rel-6	RP	[Progress bar]							
66	2457	UE positioning enhancements - other methods	Rel-6	R2	[Progress bar]							
67	22002	FS on Enhancements to OTDOA Positioning using advanced blanking rr	Rel-6	R2	[Progress bar]							
68	2475	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4	Rel-6	R2	[Progress bar]							
69	24012	A-GPS minimum performance specification	Rel-6	R4				[Progress bar]				
70	50541	Uplink TDOA location determination for GSM/GPRS	Rel-6	GP	[Progress bar]							
71	50542	Addition of U-TDOA in the CS domain	Rel-6	GP	[Progress bar]							
72	50543	Addition of U-TDOA in the PS domain	Rel-6	GP	[Progress bar]							
73	1571	Security enhancements	Rel-6	S3	[Progress bar]							
74	2026	Enhanced HE control of security (including positive authentication	Rel-6	S3	[Progress bar]							
75	2027	Stage 2	Rel-6	S3	[Progress bar]							
76	33006	Network domain security	Rel-6	S3	[Progress bar]							
77	33007	IP network layer security (NDS/IP)	Rel-6	S3	[Progress bar]							
78	32021	IMS Phase 2	Rel-6	S1	[Progress bar]							
79	32027	Stage 2 of IMS Phase 2	Rel-6	S2	[Progress bar]							

ID	Unique_	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
80	14014	Enhancements to the Cx and Sh interfaces	Rel-6	N4								
81	31025	IMS Group Management	Rel-6	S1								
82	31026	Stage 1 - TS on IMS group management	Rel-6	S1								
83	32036	Stage 2	Rel-6	S2								
84	11036	Stage 3 for IMS Group management (e.g. chat)		N1								
85	11037	IMS Conferencing	Rel-6	N1								
86	32037	Stage 2	Rel-6	S2								
87	32038	Stage 3		N1								
88	31022	IMS Messaging	Rel-6	S1								
89	31023	TR on support of messaging in the IMS	Rel-6	S1								
90	31034	Stage 1 22.340	Rel-6	S1								
91	31024	CRs to existing 22-series specifications	Rel-6	S1								
92	31033	CRs to 22.140 & 22.228	Rel-6	S1								
93	32700	Stage 2	Rel-6	S2								
94	11039	Stage 3 for IMS Messaging		N1								
95	32005	IMS Local services	Rel-6	S2								
96	32019	Stage 2	Rel-6	S2								
97	11035	Stage 3 for IMS Local services		N1								
98	11040	Additional SIP Capabilities support not covered by Rel-5	Rel-6	N1								
99	32041	Stage 2 for add SIP cap (e.g. forking)	Rel-6	S2								
100	32042	Stage 3 for Additional SIP Capabilities		N1								
101	11041	Review additional SIP Capabilities against IMS		N1								
102	2048	Interworking between IMS and IP networks	Rel-6	N3								
103	13004	Interworking for 3GPP_SIP and IETF_SIP	Rel-6	N3								
104	13005	Interworking for IPv6 to IPv4	Rel-6	N3								
105	13011	Mm interface (CSCF to external IP multimedia network) -- NOT CN3	Rel-6	N1								
106	11017	CN1 part	Rel-6	N1								
107	2047	Interworking between IMS and CS networks	Rel-6	N3								
108	14001	Mn interface (IM-MGW to MGCF) enhancements	Rel-6	N4								
109	14012	Mp (MRFC - MRFP) interface protocol definitions	Rel-6	N4								
110	31036	Study of subscriber and operators relationship in IMS and related	Rel-6	S1								
111	33012	Lawful Interception in the 3GPP Rel-6 architecture	Rel-6	S3								
112	31042	IMS Subscription and access scenarios	Rel-6	S1								
113	11032	Interoperability and Commonality between IMS using differ	Rel-6	S2								
114	32028	Stage 2 for Interoperability	Rel-6	S2								
115	32061	Stage 2 for commonality	Rel-6	S2								
116	11033	Stage 3	Rel-6	N1								
117	1365	Support of Push Services	Rel-6	S1								
118	31004	Stage 1	Rel-6	S1								
119	32000	TR on feasibility study	Rel-6	S2								

ID	Unique	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
120	32701	TR 23.976 on Push Architecture	Rel-6	S2								
121	42009	Multimedia Messaging (MMS) enhancements	Rel-6	T2								
122	42010	Definition of service requirements	Rel-6	S1								
123	31031	Definition of service requirements charging	Rel-6	S1								
124	42011	Technical realization	Rel-6	T2								
125	42012	OMA dependencies	Rel-6	T2								
126	42013	MMS formats and codecs	Rel-6	S4								
127	42005	Rel-6 MExE enhancements	Rel-6	T2								
128	42006	MExE Rel-6 Improvements and Investigations	Rel-6	T2								
129	42007	MExE Run-Time Independent Framework Feasibility Study	Rel-6	T2								
130	2062	Subscription Management	Rel-6	S5								
131	2499	Support of Presence Capability	Rel-6	S1								
132	2501	Stage 1	Rel-6	S1								
133	2502	Stage 2	Rel-6	S2								
134	2503	Stage 3	Rel-6	N1								
135	34025	Media Codecs and Formats for IMS Messaging and Presence	Rel-6	S4								
136	2504	Security issues	Rel-6	S3								
137	2505	USIM issues	Rel-6	T3								
138	50056	Enhanced A/Gb feasibility study	Rel-6	GP								
139	50057	Feasibility study on A/Gb enhancements	Rel-6	G2								
140	50080	Requirements for the support of conversational services	Rel-6	GP								
141	50084	Identification of the different building blocks for the provision of conversa	Rel-6	GP								
142	50093	Outline of impact and feasibility of these building blocks and their differe	Rel-6	GP								
143	52081	Identification of the different building blocks for the provision of conversa	Rel-6	G2								
144	52082	Outline of impact and feasibility of these building blocks and their differe	Rel-6	G2								
145	50081	Impact on 3GPP architecture and requirement to co-ordinatge with other	Rel-6	GP								
146	50082	Standardisation effort	Rel-6	GP								
147	50083	Dependency to other features	Rel-6	GP								
148	50063	Flexible Layer One for GERAN	Rel-6	GP								
149	50064	Realisation of a Flexible Layer One	Rel-6	GP								
150	50065	Technical Report	Rel-6	GP								
151	51002	Architecture in 45.001 and 43.051	Rel-6	G1								
152	51003	Multiplexing in 45.002	Rel-6	G1								
153	51004	Channel Coding in 45.003	Rel-6	G1								
154	51005	Performance Requirements in 45.005	Rel-6	G1								
155	51006	Radio subsystem link control in 45.008	Rel-6	G1								
156	52071	Requirements in 44.004	Rel-6	G2								
157	52072	Signalling and protocol support for a Flexible Layer One	Rel-6	G2								
158	52073	Modifications to RLC/MAC in 44.060 and 44.160	Rel-6	G2								

ID	Unique_	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
160	52075	Security for a Flexible Layer One	Rel-6	S3, G2								
161	52076	Ciphering in 44.160,44.118, 44.060 and 44.018	Rel-6	S3, G2								
162	55077	GERAN MS Conformance test for the Flexible Layer One	Rel-6	G4;G5								
163	55078	MS Test in 51.010	Rel-6	G4;G5								
164	55079	GERAN BTS Conformance test for the Flexible Layer One	Rel-6	G3								
165	53080	BTS Test in 51.021	Rel-6	G3								
166	50041	Uplink TDOA feasibility study	Rel-6	GP								
167	2544	Multimedia Broadcast and Multicast Service	Rel-6	S1								
168	2545	Stage 1	Rel-6	S1								
169	32002	Stage 2	Rel-6	S2								
170	32702	TR on Architectural Study	Rel-6	S2								
171	32703	Stage 2 Specification Work	Rel-6	S2								
172	2481	Introduction of MBMS in RAN	Rel-6	R2								
173	11030	Support of the MBMS in CN protocols	Rel-6	N1								
174	33008	Security Aspects of Multimedia Broadcast/Multicast Service (MBM	Rel-6	S3								
175	50085	Support of MBMS in GERAN	Rel-6	GP								
176	50086	Impact on the logical and physical channels	Rel-6	GP								
177	51085	Simultaneous support of MBMS services	Rel-6	G1								
178	51086	Simultaneous support of MBMS and non-MBMS services	Rel-6	G1								
179	52085	Re-synchronisation at cell change	Rel-6	G2								
180	50087	Decision making process between point-to-point or pont-to-multipoint cor	Rel-6	GP								
181	50088	MBMS channel allocations procedures to multiple MSs	Rel-6	GP								
182	50089	Changes to the Gb interface	Rel-6	GP								
183	50090	GERAN specific changes to the lu-ps interface	Rel-6	GP								
184	50091	Interaction between MBMS and lu-flex	Rel-6	GP								
185	50092	Security aspects	Rel-6	GP								
186	55091	MS conformance tests	Rel-6	G5								
187	31006	Speech Recognition and Speech Enabled Services	Rel-6	S1								
188	31007	Speech Enabled Services Based on Distributed Speech Recognitio	Rel-6	S1								
189	32999	TR on Architectural impacts	Rel-6	S2								
190	11021	SES codec negotiation at SDP	Rel-6	N1								
191	34700	Codec Work to Support Speech Recognition Framework for Autor	Rel-6	S4								
192	31008	Generic User Profile	Rel-6	S1								
193	31009	Stage 1 - Requirements	Rel-6	S1								
194	42002	Stage 2 - Data Description Method	Rel-6	T2								
195	32008	Stage 2 - Architecture	Rel-6	S2								
196	42003	Stage 3 - Common objects	Rel-6	T2								
197	14008	Stage 3 - Network	Rel-6	N4								
198	33009	Security Aspects	Rel-6	S3								
199	31010	Digital Rights Management	Rel-6	S1								

ID	Unique_	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
200	31011	Requirements	Rel-6	S1								
201	31037	Monitoring of Stages 2 and 3 progress (actual work to be done by	Rel-6	S1	■	■						
202	33001	Security	Rel-6	S3	■	■						
203	31012	WLAN-UMTS Interworking	Rel-6	S1	■	■	■	■	■	■	◆	
204	31020	Technical Report	Rel-6	S1	■	■	■					
205	31035	CRs to implement WLAN	Rel-6	S1	■	■	■					
206	32018	Architecture Definition	Rel-6	S2	■	■	■	■	■	■		
207	32704	Security	Rel-6	S3	■	■						
208	14013	Stage 3 - CN4 aspects	Rel-6	N4			■	■	■	■		
209	11042	WLAN interworking- stage 3	Rel-6	N1			■	■	■	■		
210	31015	Priority Service	Rel-6	S1	■	■	■	■	■	◆		
211	31016	Feasibility Study	Rel-6	S1								
212	31017	Stage 1 - Requirements	Rel-6	S1	■	■	■	■	■			
213	31041	Priority Multimedia Service	Rel-6	S1		■	■	■	■			
214	31043	Priority service implementation guide	Rel-6	S1		■	■	■	■			
215	31018	Network Sharing	Rel-6	S1	◆	■	■	■	■	■	◆	
216	31019	Technical Report	Rel-6	S1	■	■	■	■	■	■		
217	31038	Stage 1 - CRs to implement Network Sharing	Rel-6	S1	■	■	■	■	■	■		
218	32044	Stage 2	Rel-6	S2		■	■	■	■	■		
219	11043	Network sharing - stage 3	Rel-6	N1			■	■	■	■		
220	32016	QoS Improvements	Rel-6	S2	■	■	■	■	■	◆		
221	32017	FS on Dynamic Policy control enhancements for end-to-end QoS	Rel-6	S2	■	■	■	■	■	■		
222	32059	Definition of the Gq interface	Rel-6	S2				■	■	■		
223	33002	Support for subscriber certificates	Rel-6	S3								
224	32705	Stage 1	Rel-6	S3								
225	32706	Architecture review	Rel-6	S2								
226	15010	Rel-6 OSA enhancements	Rel-6	S1	■	■	■	■	■	■	◆	
227	31040	Scope of the Open Service Access Release 6	Rel-6	S1		■	■					
228	15016	User Data Management / User data security management (Stage 1	Rel-6	S1	■							
229	15022	User Data Management / User data security management (Stage 3	Rel-6	N5	■	■	■	■	■	■		
230	15024	Retrieval of Visited Network capabilities	Rel-6	N5	■	■	■	■	■	■		
231	15025	Access to IP Session information	Rel-6	N5	■	■	■	■	■	■		
232	15026	Multi Media Messaging function	Rel-6	N5	■	■	■	■	■	■		
233	15027	Enhanced user privacy in LCS	Rel-6	N5	■	■	■	■	■	■		
234	15028	Policy management extensions	Rel-6	N5	■	■	■	■	■	■		
235	15029	Presence and Availability Management (from the PRESNC WI)	Rel-6	N5	■	■	■	■	■	■		
236	15032	OSA interfaces at different levels of abstractions (Parlay X, Web s	Rel-6	N5		■	■	■	■	■		
237	15033	Introduction of migration support mechanism	Rel-6	N5		■	■	■	■	■		
238	15034	User Profile	Rel-6	N5		■	■	■	■	■		

ID	Unique_	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
240	15036	Framework Function for Federation	Rel-6	N5								
241	15037	Enhancements to IP Session Function in OSA for the control and r	Rel-6	N5								
242	50401	Addition of frequency bands to GSM	Rel-6	GP								
243	50094	Addition of frequency bands to GSM – Changes to core specs	Rel-6	G1								
244	51102	Changes to core specs	Rel-6	G1								
245	54102	Addition of frequency bands to GSM – Changes for conformance 1	Rel-6	G4								
246	54103	51.010-1 Add testing	Rel-6	G4								
247	50130	Seamless support of streaming services in A/Gb mode	Rel-6	GP								
248	51131	Identification of requirements for streaming	Rel-6	G1								
249	51133	Requirements	Rel-6	G1								
250	51132	Performance study of cell change mechanisms	Rel-6	G1								
251	51134	Performance of NACC	Rel-6	G1								
252	51135	Performance of cell change in DTM for the PS domain	Rel-6	G1								
253	51136	Handover	Rel-6	G1								
254	52131	Reduction of service interruption times and packet loss during m	Rel-6	G2								
255	52133	Optimisations of existing mechanisms/procedures	Rel-6	G2								
256	52134	Inter-system NACC	Rel-6	G2								
257	52135	PS Handover (within GERAN and between GERAN and UTRAN)	Rel-6	G2								
258	52136	Dependency to other features	Rel-6	G2								
259	54131	MS conformance testing	Rel-6	G4,G5								
260	54132	MS conformance tests	Rel-6	G4,G5								
261	33013	GERAN A/Gb mode security enhancements	Rel-6	S3								
262	34300	Performance characterisation of default codecs for PS conv	Rel-6	S4								
263	31029	Study of Feature Interactions Requirements	Rel-6	S1								
264	31030	Study on Privacy Capability	Rel-6	S1								
265	35010	OAM&P	Rel-6	S5								
266	35011	Principles, high level Requirements and Architecture	Rel-6	S5								
267	35012	Performance Management	Rel-6	S5								
268	35013	User Equipment Management	Rel-6	S5								
269	35020	UEM requirements and architecture; Stages 1 and 2	Rel-6	S5								
270	35021	UEM protocol specification; Stage 3	Rel-6	OMA								
271	33014	Release 6 User Equipment Management: Security aspects	Rel-6	S3								
272	35014	Network Infrastructure Management	Rel-6	S5								
273	35015	Trace Management	Rel-6	S5								
274	23013	Subscriber and equipment trace support in UTRAN	Rel-6	R3								
275	35016	Charging Management	Rel-6	S5								
276	35017	Charging Management for Bearer level	Rel-6	S5								
277	35018	Charging Management for the IMS	Rel-6	S5								
278	35019	Charging Management for the Service domain	Rel-6	S5								

ID	Unique	Name	Releas	Resour	Qtr 1, 2003			Qtr 3, 2003			Qtr 1, 2004	
					Jan	Mar	May	Jul	Sep	Nov	Jan	Mar
280	1800	Rel-6 UICC/USIM enhancements and interworking	Rel-6	T3								
281	1802	UICC API	Rel-6	T3								
282	43001	Java API Test specification	Rel-6	T3								
283	43003	Java API Test specification (TS 43.019 Rel-5)	Rel-6	T3								
284	43006	2G/3G Java Card™ API based applet interworking	Rel-6	T3								
285	43004	Rel-6 USIM toolkit enhancements	Rel-6	T3								
286	502031	C SIM API	Rel-6	T3								
287	502032	Specification	Rel-6	T3								
288	502033	Test specification	Rel-6	T3								
289	34022	Packet Switched Streaming Services Rel-6	Rel-6	S4								
290	31039	Stage 1	Rel-6	S1								
291	34024	Stage 3	Rel-6	S4								
292	33017	Network Domain Security; Authentication Framework (NDS/A	Rel-6	S3								
293	34023	AMR-WB extension for high audio quality	Rel-6	S4								
294	51101	Single Antenna Receiver Interference Cancellation (SAIC)	Rel-6	GP;G1								
295	50500	Support of Conversational Services in A/Gb mode via the PS	Rel-6	GP								
296	50501	Creation of a TR	Rel-6	GP								
297	50502	Stage 2	Rel-6	GP								
298	50503	Radio Channel Support	Rel-6	GP								
299	50504	Definition of radio resource management functionality	Rel-6	GP;G2								
300	50505	PS Handover	Rel-6	GP								
301	50506	Modifications to FLO	Rel-6	GP;G2								
302	12006	Enhancement of dialled service for CAMEL	Rel-6	S1								
303	12007	Stages 2 and 3	Rel-6	N2								
304	34026	Definition of teleservice using Multimedia Broadcast/Multica:	Rel-6	S4								
305	32060	Bandwidth and resource savings in CS networks	Rel-6	S2								
306	33018	FS on (U)SIM Security Reuse by Peripheral Devices on Loca	Rel-6	S3								
307	50600	Multiple TBF in A/Gb mode	Rel-6	GP;G2								
308	50601	Multiple TBF in A/Gb mode	Rel-6	GP;G2								
309	50602	Multiple TBF Concept paper	Rel-6	GP;G2								
310	50603	Multiple TBF Stage 2 (43.064) CRs	Rel-6	GP;G2								
311	50604	Multiple TBF Stage 3 (44.060) CRs	Rel-6	GP;G2								
312	50605	Multiple TBF in A/Gb mode – MS testing	Rel-6	GP-G2								
313	50081	Alignment between the test-regimes for GERAN capable MS	Rel-6	G3								
314	50082	Determine the controversial test cases in the different test regimes and align t	Rel-6	G3								

Project: 3GPP_Work Plan
 Date: Tue 16/09/03

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			