

6 - 9 Jul 2004

Acapulco, Mexico

Title: New CR Cover sheet, version 7.1

Source: SA WG3 Secretary (M. Pope, MCC)

Document for: Information

Agenda Item: 10

A new version of the CR cover sheet has been produced by the MCC specifications manager. Delegates are requested to use this new cover sheet (version 7.1) for future CR proposals.

CR-Form-v7.1
CHANGE REQUEST
⌘ SpecNumber CR CRNum ⌘ rev - ⌘ Current version: x.y.z ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

Proposed change affects: UICC apps ME Radio Access Network Core Network

Title:	⌘	
Source:	⌘	
Work item code:	⌘	Date: ⌘ dd/mm/yyyy
Category:	⌘	Release: ⌘
Use <u>one</u> of the following categories: F (correction) A (corresponds to a correction in an earlier release) B (addition of feature), C (functional modification of feature) D (editorial modification) Detailed explanations of the above categories can be found in 3GPP TR 21.900 .		Use <u>one</u> of the following releases: Ph2 (GSM Phase 2) R96 (Release 1996) R97 (Release 1997) R98 (Release 1998) R99 (Release 1999) Rel-4 (Release 4) Rel-5 (Release 5) Rel-6 (Release 6) Rel-7 (Release 7)

Reason for change:	⌘	
Summary of change:	⌘	
Consequences if not approved:	⌘	

Clauses affected:	⌘							
Other specs affected:	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">Y</td> <td style="width: 20px; height: 20px; text-align: center;">N</td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>	Y	N					Other core specifications ⌘ Test specifications ⌘ O&M Specifications ⌘
		Y	N					
Other comments:	⌘							

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at <http://www.3gpp.org/specs/CR.htm>. Below is a brief summary:

- 1) Fill out the above form. The symbols above marked ⌘ contain pop-up help information about the field that they are closest to.
- 2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under <ftp://ftp.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 TSG meetings.

- 3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

Change history of the CR form:

When	Who	What	Old version	New version
2001-11-06	JMM	1) Correction of caption to "Clauses affected" entry from "Enter each the number of each clause which contains changes." 2) Correction to the caption to "Consequences if not approved" field from "Enter here the consequences if this CR was to be rejected. It is necessary to complete this section only if the CR is of category "F" (i.e. essential correction) ". 3) Minor editorial clean up.	4	5
2002-01-16	JMM	By request from delegate, add a field for title of spec.	5	6
2002-01-16	JMM	Fix typo	6	6.1
2002-02-20	JMM	Based on version 5, since v6.1 withdrawn due to problems encountered by users. 1) Sets all text to UK English language. 2) Hyperlinks to 3GPP web site corrected. 3) Work Item list included in zip file. 4) Help note on date format included.	5	5.1
2002-06-12	JMM	Changes the titles of the "proposed change affects" boxes. (Request by TSG T modified by SA.) Changes simple "tick box" in "other specs affected" area for separate "yes" and "no" boxes to force deeper reflection (on request from TSG-RAN. Inclusion of Rel-6 option. Help notes improved. Date format specified.	5.1	7
2004-06-29	JMM	Adds Release 7 to list of permissible Release values, and changes 2 to Ph2 for GSM Phase 2.	7	7.1

Every Change Request shall identify the work item to which it relates by showing the work item identifier in the appropriate field on the cover sheet. The identifiers shall be taken from the first column in the table on the next sheet. This file is derived from the official 3GPP Work Plan at http://www.3gpp.org/ftp/Information/WORK_PLAN/work_plan_3gpp.mpp which remains the definitive source of current information. It also includes work items from the pre-Release-4 era; these are derived from actual Change Requests, and the working group and Release fields are "best automated guess" values. There are no titles available for these WIs, only the codes which appear in the CR database records "work item" field.

JMM

28/07/2003

taken from table "work items" in Specs database

Acronym	Title	WG	Release	Unique_ID
TEI		T1	R99	0
04.08 Split		SMG3	R99	0
07.05		SMG4	R96	0
07.07		SMG4	Ph2	0
14,4 kbit/s		SMG2	R96	0
14.4 kbit/s		SMG2	R96	0
2442 (Location Services for GERAN in Iu)		G1	Rel-5	0
2G-3G interworking		G3new	Rel-5	0
2G/3G Handover		SMG2	R99	0
2G/3G Handover, MMO		G1	R99	0
2G/3G Interworking		S1	R98	0
3G-324MI	3G-324M Improvements	S4	Rel-6	34028
3G-GSM		G1	R99	0
3G-GSM handover		G1	R99	0
3Gsplit		N1	Rel-5	0
3rd MeXE classmark		S1	Rel-4	0
3Volt Technology SIM		SMG9	Ph2	0
43000		S1	Rel-5	0
4WM		SMG2	-	0
4WMS		SMG1	-	0
700SS	700 MHz spectrum support	GP	Rel-4	2403
8PSK-AH	8PSK AMR HR	GP	Rel-5	50037
8PSK-AH, GAMRWB		G2	Rel-5	0
A I/F		G2	R96	0
A I/F-ca		SMG3	R96	0
ACBOP	Access Class Barring and Overload Protection	S2	Rel-6	32064
Access to Aux Dev		SMG9	R98	0
Access to ISPs		N3	R99	0
ACSI		N4	R96	0
AGbEnFS	Enhanced A/Gb feasibility study	GP	Rel-6	50056
AGbEnFS-FS	Feasibility study on A/Gb enhancements	G2	Rel-6	50057
Alerting Categories		SMG3	R96	0
Alignment of 3G functional split and Iu		G1	Rel-5	0

Alignment of 3G functional split and lu		R3	Rel-5	0
Alignment of 3G functional split and lu.		N1	Rel-5	0
ALTERE	Alignment between the test-regimes for GERAN capable MS	G3	Rel-6	50096
ALTERE-TC	Determine the controversial test cases in the different test regimes and align them with 3GPP GERAN test specifications. Such test cases to be added to TS 51.010.	G3	Rel-6	50097
Alternative alphabet		SMG9	R97	0
Alternative EFR implementation		S4	Ph2	0
AMR		T2	R98	0
AMR NB		G1	R98	0
AMR-NB		G4	R98	0
AMR-NS		S4	R99	0
AMR-WB		S4	Rel-4	0
AMRWB	Wideband Telephony Service - AMR	S4	Rel-5	1625
AMRWB+	AMR-WB extension for high audio quality	S4	Rel-6	34023
AMRWB-FP	Floating-point ANSI-C code for the AMR-WB speech codec	S4	Rel-5	34004
AMRWB-IWG	AMR-WB and narrowband interworking	S4	Rel-5	34008
AMRWB-TFO	TFO AMR-WB	S4	Rel-5	34007
Antenna test methods		SMG2	R99	0
AoC		G4	Rel-4	0
Application Identifiers		T3	R99	0
AR		S5	R99	0
ARP	Advanced Receiver Performance	GP	Rel-6	50101
ARP-CAPSIG	ARP Capability signalling	GP	Rel-6	50115
ARP-ConfTest	GERAN MS Conformance test for ARP	G3	Rel-6	50116
ARP-GMSK	ARP for GMSK modulated voice services	GP	Rel-6	50103
ARP-GMSK-LC	Radio subsystem link control in 45.008	GP	Rel-6	50105
ARP-GMSK-Perf	Performance requirements in 45.005	GP	Rel-6	50104
ARP-GPRSE	ARP for GPRS and EGPRS MCS1-MCS4	GP	Rel-6	50106
ARP-GPRSE-LC	Radio subsystem link control in 45.008	GP	Rel-6	50108
ARP-GPRSE-Perf	Performance requirements in 45.005	GP	Rel-6	50107
ARP-TS	ARP test scenarios	GP	Rel-6	50102
ASCI	Advanced Speech Call Items enhancements_REL-4	N1	Rel-4	2230
ASCI Ph 1		SMG1	R96	0
ASCI Ph2		SMG3	R96	0
ASCI R96		SMG2	R96	0

ASCI R96, R-GSM		SMG2	R96	0
ASCI R96-cm		SMG3	R96	0
ASCI R96: VGCS/VBS		SMG3	R96	0
ASCI R97		SMG3	R97	0
ASCI+HSCSD		SMG3	R96	0
AT commands		SMG4	-	0
Aux Interface		SMG9	R98	0
Band Change		G1	Ph2	0
BCH R96		SMG3	R96	0
BDN		SMG9	R96	0
Bearer Modification without pr		S1	Rel-4	0
Bearer Services		SMG1	R96	0
BICSN		N3	Rel-4	0
BMWPN		S1	Rel-4	0
BSCClass-TDD		R4	Rel-5	0
BSS		SMG3	R96	0
BSS fault man model		SMG6	R97	0
BSS Repeaters		SMG2	R97	0
BSS-BSS information		SMG2	R98	0
Cal Deflection		N2	R98	0
Call Deflect.		SMG3	R98	0
Call Deflection		SMG3	R98	0
Call Deflection (CD)		SMG1	R98	0
Call Forwarding		SMG1	R99	0
Call Forwarding Enhancements		N4	R99	0
CAMEL		SMG1	R96	0
CAMEL 1		SMG12	R96	0
CAMEL 2		SMG3	R97	0
CAMEL 2/CCBS		SMG3	R97	0
Camel Ph 1		SMG1	R96	0
Camel Ph 2		SMG1	R97	0
CAMEL Ph1		SMG3	R96	0
CAMEL Ph2		SMG3	R97	0
Camel Phase 2		SMG1	R97	0
CAMEL R96		SMG3	R96	0
CAMEL R96, SOR		SMG3	R96	0

CAMEL R97		SMG3	R97	0
CAMEL, Call Deflection		SMG1	R98	0
CAMEL-R96		SMG3	Ph2	0
CAMEL-R96, SOR R96		SMG3	R96	0
CAMEL-R97		SMG1	R97	0
CAMEL-R97, NetworkIA		SMG3	R97	0
CAMEL1		SMG3	R96	0
CAMEL2		S1	R96	0
CAMEL3		s1	R99	0
CAMEL4	CAMEL phase 4	S1	Rel-5	1638
CAMEL4-ATI	GPRS Any Time Interrogation	N2	Rel-5	2516
CAMEL4-CCSMS	CSE control over MT SMS	N2	Rel-5	2016
CAMEL4-CPH	Call Party Handling	N2	Rel-5	2012
CAMEL4-HODP	Location information during an ongoing call (Handover DP)	N2	Rel-5	2515
CAMEL4-IFTI	Inclusion of flexible tone injection	N2	Rel-5	2015
CAMEL4-IOR	Interactions with Optimal Routing	N2	Rel-5	2014
CAMEL4-LOCB	Provision of location information of called subscriber	N2	Rel-5	2458
CAMEL4-MCP	Mid call procedure for MO and MT calls	N2	Rel-5	2013
CAMEL4-NMM	Notification of GPRS mobility management to CSE	N2	Rel-5	2460
CAMEL4-ODB	Inclusion of ODB data in the CSE_HLR interface	N2	Rel-5	2514
CAMEL4-SUB	Handling of partial implementations of CAMEL4	N2	Rel-5	12005
CBS		T2	R98	0
CC Related items		N1	R99	0
CCBS		SMG3	R96	0
CCBS/SOR		SMG1	R96	0
CCR		S2	Rel-5	0
CD		SMG3	R96	0
Cell selection		G3new	Rel-5	0
CEPSCM	Codec Enhancements for Packet Switched Conversational Multimedia Applications	S4	Rel-6	34027
CF enhancements		N4	R99	0
CH	Charging Management	S5	Rel-6	35016
CH-BC	Charging Management for Bearer level	S5	Rel-6	35017
CH-FBC	Overall architectural aspects of IP flow based bearer level charging	S2	Rel-6	32030
CH-IC	Charging Management for the IMS	S5	Rel-6	35018
CH-SC	Charging Management for the Service domain	S5	Rel-6	35019

Charging		s1	R99	0
Circuit switched Bearer Services		N3	R99	0
Class A Dual Transfer Mode (DTM)		G1	R99	0
classm		SMG3	R96	0
CLI		SMG1	Ph2	0
CLI enhanc.		SMG3	R98	0
CLI enhancements		SMG3	R98	0
CM		S5	R99	0
CNAP		SMG3	R96	0
CNAP R97		SMG1	R97	0
CNAP-R97		SMG3	R97	0
CNTRSP	Rel-4 Evolutions of the transport in the CN	N4	Rel-4	400004
CODCAR	Performance characterisation of default codecs for PS conversational multimedia application	S4	Rel-6	34300
Codec for Multimedia Telephony		S4	R99	0
Codec(s) for CS MM Tel. Serv.		S4	R99	0
Codec(s) for CS MM Telephony Service		S4	R99	0
Codec(s) for MM Tel Service		S4	R99	0
Compact		SMG2	R99	0
Concatenated Short M		SMG4	-	0
Core Network Security		N4	R99	0
CORRECT		S4	R99	0
Correction		SMG2	-	0
Corrections		SMG4	-	0
CPHS		S1	Rel-4	0
CS Bearer		N3	R99	0
CS Bearers		N3	R99	0
CS Bearers in UMTs		S1	R99	0
CS Data		N3	R99	0
CS Data Bearers		N3	R99	0
CS Emergency Call Handling		N1	Rel-4	0
CS-VSS		S1	Rel-7	0
CS-VVS		S1	Rel-6	0
CS_VSS	Circuit Switched Video and Voice Service Improvements	S1	Rel-6	31046
CSBS		N3	R99	0
CSI	Combining CS bearers with IMS	S2	Rel-6	32066

CSM		S4	R99	0
CSSAVE	Bandwidth and resource savings in CS networks	S2	Rel-6	32060
CSSPLIT	Enable bearer independent CS architecture	S2	Rel-4	1322
CSSPLIT-TEST	Conformance Test Aspects - Enable bearer independent CS architecture	T1	Rel-4	2052
CT-RABS?	Testing RAB support enhancements	T1	Rel-4	2208
CTS		SMG10	R98	0
Data		SMG1	R99	0
Data Clean-Up		SMG1	R99	0
Data Compr.		SMG3	-	0
Data Compression		SMG4	-	0
DE/SMG-00110P-1		SMG7	Ph2	0
DE/SMG-001110P-1		SMG7	Ph2	0
DRM	Digital Rights Management	S1	Rel-6	31010
DSR	Speech Enabled Services Based on Distributed Speech Recognition (DSR)	S1	Rel-6	31007
DTM		N1	R99	0
DTM, EGPRS		G1	R99	0
DTMF		N1	R99	0
Dual band ME		SMG1	-	0
Dual band MS, HSCSD		SMG3	R96	0
E2E QoS		S2	Rel-4	0
E2EQoS	End to End QoS for PS Domain including IMS	S2	Rel-5	2556
E2EQoS-IW	E2E QoS interworking	N3	Rel-5	2558
E2EQoS-OAM	QoS Management (Provisioning and Monitoring)	S5	Rel-5	2559
ECC		SMG9	R96	0
ECSD		s1	R99	0
ECT		SMG1	R96	0
ECT, Call Deflection		SMG4	R96	0
EDCAMEL	Enhancement of dialled service for CAMEL	S1	Rel-6	12006
EDCH	FDD Enhanced Uplink	RP	Rel-6	20003
EDCH-IurIub	EDCH - UTRAN Iub/Iur Protocol Aspects	R3	Rel-6	20007
EDCH-L23	EDCH - Layer 2 and 3 Protocol Aspects	R2	Rel-6	20006
EDCH-Phys	EDCH - Physical Layer	R1	Rel-6	20005
EDCH-RF	EDCH - RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	R4	Rel-6	20008
EDCH-Stage2	EDCH - Stage 2	R2	Rel-6	20004
EDGE		T2	R00	0

EDGE (Compact)		SMG2	R99	0
EDGE (ECDS)		SMG2	R99	0
EDGE (EGPRS)		SMG2	R99	0
EDGE (Layer 1)		SMG2	R99	0
EDGE BSS		SMG2	R98	0
EDGE(EGPRS)		G3new	Rel-5	0
EDGE, GSM400		SMG2	R99	0
Editorial		s1	R99	0
EFR		SMG11	Ph2	0
EFR, FR, HR		SMG11	R96	0
EGDE		G4	Rel-5	0
EGPRS		SMG1	R99	0
EGPRS (Compact)		G2	R99	0
EMC		S2	Rel-5	0
EMC1	PS domain and IMS impacts for supporting IMS Emergency calls	S2	Rel-6	32045
EMC1-CS	For CS based calls	N1	Rel-4	1654
EMC1-PS		S2	Rel-5	0
Emergency		S1	Rel-5	0
Emergency Call		s1	R99	0
Emergency Calls		s1	R99	0
eMLPP		SMG1	R96	0
EMS		T2	R99	0
Enhanced QoS Support in GPRS.		T2	R99	0
EPC	Enhanced Power Control	GP	Rel-5	50033
EPC (Enhanced Power Control)		G1	Rel-5	0
ETRAN	Rel-4 Evolutions of the transport in the UTRAN	RP	Rel-4	400002
ETRAN-IPtrans	IP transport in the UTRAN	R3	Rel-5	625
ETRAN-MigrMod	Transport bearer modification procedure on lub, lur, and lu	R3	Rel-4	1995
ETRAN-QoSAAAL2	QoS optimisation for AAL2 connections over lub and lur interfaces	R3	Rel-4	12
Ext-RoHC	Testing of Extended Robut Header Compression	T1	Rel-4	41007
Extended Uplink TBF		G3new	Rel-5	0
Extension SMS Alphas		SMG4	R96	0
Fault Management Enh		SMG6	R97	0
FAX	Facsimile	S1	Rel-4	1340
FAX-RT	Real Time Fax	S2	Rel-4	1341
FDN		SMG1	Ph2	0

FIGS		SMG10	R98	0
FINTER	Study of Feature Interactions Requirements	S1	Rel-6	31029
FLOGGER	Flexible Layer One for GERAN	GP	Rel-6	50063
FLOGGER-BTSconf	GERAN BTS Conformance test for the Flexible Layer One	G3	Rel-6	55079
FLOGGER-Msconf	GERAN MS Conformance test for the Flexible Layer One	G4,G5	Rel-6	55077
FLOGGER-Real	Realisation of a Flexible Layer One	GP	Rel-6	50064
FLOGGER-SecFLO	Security for a Flexible Layer One	S3; G2	Rel-6	52075
FLOGGER-SigPro	Signalling and protocol support for a Flexible Layer One	G2	Rel-6	52072
FlowCon	Flow control supporting an MS with multiple data flows with different QoS over the Gb interface	GP	Rel-5	50101
Follow Me		S1	R99	0
Forbidden PLMN		SMG1	R97	0
FS-Push		S1	Rel-4	0
FSEarlyUE	FS for the Early Mobile Handling in UTRAN	R2	Rel-5	22001
FTM		T2	R99	0
Future GERAN		G2	Rel-5	0
GAMRWB	Support of AMR-WB in GERAN: GMSK and 8PSK WB FR / HR	GP	Rel-5	80
Gb-IP		G2	Rel-4	0
Gben	Gb enhancements	GP	Rel-4	2315
GbIP	Gb over IP (Ip-fication of Gb)	GP	Rel-4	2311
GEIMP1	GERAN improvements 1 (Gb over IP)	GP	Rel-4	2310
GEIMP2	GERAN improvements 2 (NACC)	GP	Rel-4	2314
GEIMP2-Msconf	MS conformance test for Intra BSC NACC	GP	Rel-4	50030
GEIMP3	GERAN improvements 3 (new transport layer on interface A)	GP	Rel-5	2320
GEIMP3-EtA	Evolution of the transport for A	GP	Rel-5	2321
GEIMP4	GERAN improvements 4 (Delayed TBF)	GP	Rel-4	2324
GEIMP4-Gben2	Gb enhancements 2	GP	Rel-4	2325
general		SMG1	R99	0
GER3AL		G2	Rel-5	0
GER3GAL	Alignment of 3G functional split and lu	GP	Rel-5	2345
GER3GAL-GUCOPL	GERAN user / control plane	GP	Rel-5	2346
GER3GAL-lurg	lu rg interface	GP;RP	Rel-5	2359
GERAN		S2	R99	0
GERAN > UTRAN H/O		G5	Rel-4	0
GERAN Alignment on 3G Functional Split a		G1	Rel-5	0
GERAN Improvements 2		S2	Rel-4	0

GERAN Narrowband speech realization		G1	Rel-5	0
GERAN Rel-5		G2	R99	0
GERAN support for audio and video codec		G2	Rel-5	0
GERAN>UTRAN HO		G5	Rel-4	0
GERAN2		S2	Rel-5	0
GERIMS	GERAN support for IMS	GP	Rel-5	2330
GERIMS-BTSconf	GERAN BTS Conformance test for support of IMS	GP	Rel-5	2343
GERIMS-HEADAPT	GERAN Header adaptation	GP	Rel-5	2331
GERIMS-MSconf	GERAN MS Conformance test for support of IMS	GP	Rel-5	2341
GERIMS-RABDES	GERAN Radio access bearer design for IMS	GP	Rel-5	2335
GERNACC	GERAN Inter BSC NACC improvements over the Gb Interface	GP	Rel-5	50001
GERNACC-Cnmod	Modification of core network protocols for GERAN Inter BSC NACC over Gb Interface	N4;S2	Rel-5	14501
GERNACC-Gbmod	Modification of Gb protocols for GERAN Inter BSC NACC over Gb Interface	GP	Rel-5	50002
GERQoS	GERAN QoS Aspects - Handovers: maintenance of real-time QoS while moving between cells in the PLMN including inter-SGSN and SRNS relocation or possibly other mechanisms	GP	Rel-4	1553
GERQoS-Mstest	GERAN MS Conformance test for inter-system and intra-system Packet data real-time Handover	G4;R3	Rel-4	50010
GERUEV1	GERAN/UTRAN interface evolution 1 (evolution of Iu PS)	GP;R3	Rel-5	2412
GERUEV1-IuPS	Evolution of Iu ps	GP;R3	Rel-5	2413
GERUEV1-IuPS and GERUEV2-IuCS		R2	Rel-5	0
GERUEV2	GERAN/UTRAN interface evolution 2 (evolution of Iu CS)	GP;R3	Rel-5	2416
GERUEV2-IuCS	Evolution of Iu cs	GP;R3	Rel-5	2417
GLR		N4	R99	0
GPRS		T2	R00	0
GPRS (S42)		G4	R97	0
GPRS + LI		SMG10	R98	0
GPRS 1900		N1	R98	0
GPRS co-channel rejection		G3new	Rel-5	0
GPRS GMM		G5	Rel-4	0
GPRS Mobile IP interworking		N3	R99	0
GPRS MS Classes		SMG1	R97	0
GPRS NC2		G3new	Rel-5	0
GPRS Ph 2		SMG1	R98	0
GPRS Ph2		SMG4	R98	0
GPRS Phase 1		SMG1	R97	0

GPRS Phase 2		SMG4	R98	0
GPRS PTM-G		SMG1	R99	0
GPRS, HSCSD		SMG2	R96	0
GPRS, Lawful Interception		SMG10	R98	0
GPRS, TEI		SMG2	R97	0
GPRS1		SMG6	R97	0
GPRS2		SMG4	R98	0
GPRSS		G2	Rel-4	0
GSM		G3new	Rel-4	0
GSM – 3G interworking		G1	R99	0
GSM / UMTS interworking		N1	R99	0
GSM 400		SMG2	R97	0
GSM 450		SMG2	R99	0
GSM 700		G4	R99	0
GSM API		SMG4	R96	0
GSM Maintenance		S4	Ph2	0
GSM to UMTS Evol		S1	R99	0
GSM-3G interworking		G1	R99	0
GSM-UMTS Interworking		N1	R99	0
GSM/PCS Harmonisation		SMG3	R98	0
GSM/UMTS interworking		R3	Ph2	0
GSM400		T2	R99	0
GSM700		G4	R00	0
GTP enhancement		N2	R97	0
GTP Enhancements		N4	Rel-5	0
GTT	Global Text Telephony	S2	Rel-4	1517
GTT-CTM	Specification of Cellular Text telephone Modem	S4	Rel-4	2234
GUP	Generic User Profile	S1	Rel-6	31008
HalfRate		SMG2	-	0
Handover		s1	R99	0
Harm		SMG3	R98	0
Harmon		SMG1	R97	0
Harmon Call Fwdg		SMG1	R98	0
Harmon GSM/PCS		SMG1	R98	0
Harmon. PCS1900		SMG11	R98	0
Harmonisation		SMG2	R98	0

Harmonisation PCS1900		SMG11	R98	0
Harmonisation CAMEL2		SMG1	R97	0
Harmonisation PCS1900		SMG11	R98	0
Harmonization		SMG1	R98	0
HDPAL23		R2	Rel-5	0
HR		SMG2	-	0
HR, EFR		SMG8	Ph2	0
HS		SMG2	R99	0
HSCSD		SMG7	R96	0
HSCSD, 14,4 kbit/s		SMG2	R96	0
HSCSD, 14.4 kbit/s		SMG4	R96	0
HSDPA	High Speed Downlink Packet Access	R2	Rel-5	2476
HSDPA-lublur	lub/lur protocol aspects	R3	Rel-5	2479
HSDPA-lurlub		R3	Rel-5	0
HSDPAL23	Layer 2 and 3 aspects	R2	Rel-5	2478
HSDPA-Phys	Physical Layer	R1	Rel-5	2477
HSDPA-RF	RF Radio Transmission/ Reception, System Performance Requirements and Conformance Testing	R4	Rel-5	2480
HSDPA_L23		R2	Rel-5	0
HSPDA		S1	Rel-5	0
HSPDA-RF		R4	Rel-5	0
I.Transcoder H.		SMG3	R96	0
IDCRAN-GERAN	GERAN work for Intra Domain Connection of RAN Nodes to Multiple CN Nodes	GP	Rel-5	50067
IHOSS		SMG3	R98	0
IMC-CCR		S2	Rel-5	0
IMEI check digit		SMG1	-	0
IMEI Security		S1	Ph2	0
Impr Transcod. Handl		SMG2	R96	0
IMS	Provisioning of IP-based multimedia services	S1	Rel-5	1273
IMS -CCR		N1	Rel-5	0
IMS-2		S2	Rel-6	0
IMS-ASEC	Access Security for IMS	S3	Rel-5	1298
IMS-CAMEL	CAMEL control of IMS services	N2	Rel-5	12000
IMS-CCE		S2	Rel-5	0
IMS-CCR	Call control and roaming to support IMS in UMTS	S2	Rel-5	1274
IMS-CCR-E		N1	Rel-5	0

IMS-CCR-IWCS	Interworking between IMS and CS networks	N3	Rel-6	2047
IMS-CCR-IWIP	Interworking between IMS and IP networks	N3	Rel-6	2048
IMS-CCR-IWMM	Impact on MM/CC/SM	N1	Rel-5	1296
IMS-CCR-IWPS		N3	Rel-5	0
IMS-CCR-Mn	Mn interface (IM-MGW to MGCF) enhancements (CN4 Part)	N4	Rel-6	14001
IMS-CCR-Mp	Mp (MRFC - MRFP) interface (CN4 Part)	N4	Rel-6	14012
IMS-CCR-STAGE1		S1	Rel-5	0
IMS-CCS		N1	Rel-5	0
IMS-CODEC	Multimedia codecs and protocols for conversational PS services	S4	Rel-5	2036
IMS-COOP		S2	Rel-6	0
IMS-FrWk	IMS Framework Report (work stopped)	S1	Rel-5	2531
IMS-LI	Lawful interception	S3	Rel-5	1299
IMS-OAM	Charging and OAM&P for IMS	S5	Rel-5	35007
IMS-ONOSA	Support of VHE/OSA by entities and protocols of the IMS (e.g. CSCF)	N5	Rel-5	1310
IMS-Sex	Service Examples (Work stopped)	S1	Rel-5	2530
IMS-TEST	Conformance Test Aspects - Provisioning of IMS	T1	Rel-5	1844
IMS_CCR		S2	Rel-5	0
IMS2	IMS Phase 2	S1	Rel-6	32021
IMS2, IMSCOOP		S2	Rel-6	0
IMS2-CCR	Enhancements to the Cx and Sh interfaces	N4	Rel-6	14014
IMS2-Mess		S2	Rel-5	0
IMS2-ROPT		S2	Rel-6	0
IMSCOOP	Interoperability and Commonality between IMS using different "IP-connectivity Networks"	S2	Rel-6	11032
IMSGM	IMS Group Management	S1	Rel-6	31025
IMSM	IMS Messaging	S1	Rel-6	31022
IMSM-CR	CRs to 22.140 & 22.228	S1	Rel-6	31033
IMSM-TR	TR on support of messaging in the IMS	S1	Rel-6	31023
IMSM-TS	Stage 1 22.340	S1	Rel-6	31034
Inter System Handover		G3-new	Rel-5	0
Intersystem Change		G3new	R99	0
Intersystem handover		G3new	Rel-5	0
IP in CN		N1	Rel-4	0
ISIM		T3	Rel-6	0
IST		S3	R98	0
Iu alignment		G1	Rel-5	0

IU Flex		S2	Rel-5	0
Iu_flex		S2	Rel-5	0
IUFLEX	Intra Domain Connection of RAN Nodes to Multiple CN Nodes	S2	Rel-5	2243
IW-CCR-IWCS		N3	Rel-6	0
Java API		T3	Rel-5	0
Late-UE		S2	Rel-5	0
LATE_UE	Handling of early UEs	S2	Rel-5	32033
LCR TDD (ID 1222)		N1	Rel-4	0
LCRTDD	Low Chip Rate TDD option	R1	Rel-4	1222
LCRTDD, TEI		T1	Rel-4	0
LCRTDD-IubIur	Iub/Iur protocol aspects	R3	Rel-4	1228
LCRTDD-L23	Layer 2 and layer 3 protocol aspects	R2	Rel-4	1224
LCRTDD-Phys	Physical layer	R1	Rel-4	1223
LCRTDD-RF	RF radio transmission/reception, system performance requirements and conformance testing	R4	Rel-4	1225
LCRTDD-UErac	UE radio access capability	R2	Rel-4	1227
LCRTDD_L23		R2	Rel-4	0
LCRTDDphys		R1	Rel-4	0
LCRTDD-RF		R4	Rel-4	0
LCS		T2	R98	0
LCS for GERAN A/Gb mode		G2	Rel-5	0
LCS for GERAN in Iu Mode		G1	Rel-5	0
LCS-128Pos	UE positioning enhancements for 1.28 Mcps TDD	R2	Rel-5	2474
LCS-GERAN	Co-ordinated development of GSM LCS Phase 2 and UMTS LCS, S2 and GERAN	GP;S2;S5;R2;R3;G2;G1	Rel-5	2435
LCS-GERAN-BTSconf	GERAN BTS Conformance test for LCS	GP	Rel-5	50069
LCS-GERAN-MSconf	GERAN MS Conformance test for LCS	GP	Rel-5	50068
LCS-INTF	Open SMLC-SRNC Interface within the UTRAN to support A-GPS Positioning	R2	Rel-5	2125
LCS-Rel4Pos	Open SMLC-SRNC Interface within the UTRAN to support UTRAN Rel4 positioning methods	R2	Rel-6	2475
LCS-UEPos-AGPSPerf	A-GPS minimum performance specification	R4	Rel-6	24012
LCS1	Rel-5 Location Services enhancements	S2	Rel-5	1536
LCS1-CBS	CBS interactions	T2	Rel-4	2229
LCS1-CS	LCS support in the CS domain	S2	Rel-4	523
LCS1-EBP	Event based and Periodic LCS	S1	Rel-5	1171
LCS1-Le	Specification for the Le Interface	S2	Rel-5	32011
LCS1-OAM	Charging and OAM&P for LCS enhancements	S5	Rel-5	35008

LCS1-PS	LCS support in the PS domain	S2	Rel-4	525
LCS1-SEC	New security aspects of LCS (not identified)	S3	Rel-5	521
LCS1-UEP		R4	Rel-4	0
LCS1-UEpos	UE positioning	RP	Rel-5	1600
LCS1-UEPos lublur		R3	Rel-4	0
LCS1-UEpos-enh	UE positioning enhancements - IPDL for TDD	R2	Rel-4	1602
LCS1-UEpos-lublur	lub/lur interfaces for methods Rel 99	R3	Rel-4	1601
LCS2	Location Services enhancements 2	S2	Rel-6	32023
LCS2, LCS1		S2	Rel-6	0
LCS2, TEI		S2	Rel-5	0
LCS2, UTDOA CS		S2	Rel-6	0
LCS2-GMLC		S2	Rel-6	0
LCS2-UEpos	UE positioning	RP	Rel-6	20001
LCS2-UEpos-enh	UE positioning enhancements - other methods	R2	Rel-6	2457
LCS2-UEpos-FSBlank	FS on Enhancements to OTDOA Positioning using advanced blanking methods	R2	Rel-6	22002
LI		S3	R98	0
Long Forwarded-to Numbers		N2	R99	0
Low bit rate codec for MM Tel.		S4	R99	0
MAFA		SMG2	R96	0
Mandatory Speech Codec		S4	R98	0
MAP phase 2		SMG3	Ph2	0
MAP R96		SMG3	R96	0
MAP R96, ODB Enh.		SMG3	R96	0
MAP Security		N4	Rel-4	0
MBMS	Security Aspects of Multimedia Broadcast/Multicast Service (MBMS)	S3	Rel-6	33008
MBMS-GERAN	Support of MBMS in GERAN	GP	Rel-6	50085
MBMS-RAN	Introduction of MBMS in RAN	R2	Rel-6	2481
MBMS-TSMBMS	Definition of MBMS user services, media codecs, formats and transport/application protocols using MBMS	S4	Rel-6	34026
ME Personalisation		SMG1	R96	0
ME Personalization		SMG1	R96	0
MESS5	Messaging enhancements Rel-5	T2	Rel-5	2569
MESS5-EMS	Enhanced Messaging Service (EMS) enhancements	T2	Rel-5	2572
MESS5-MMS	Multimedia Messaging (MMS) enhancements	T2	Rel-5	2571
MESS5-SR	Definition of service requirements	S1	Rel-5	31000
MESS6		S1	Rel-6	0

MEXE	MExE enhancements Rel-4	T2	Rel-4	1445
MExE R98		T2	R98	0
MEXE-ENHANC	MExE Rel4 Improvements and Investigations	T2	Rel-4	1810
MEXE-SEC	MExE Security Analysis Activity	S3	Rel-4	1447
MEXE1-SEC	Stage 3	S3	Rel-4	2045
MEXE5	Rel-5 MExE enhancements	T2	Rel-5	2464
MEXE5-ENHANC	MExE Rel-5 Improvements and Investigations	T2	Rel-5	2466
MEXE6	Rel-6 MExE enhancements	T2	Rel-6	42005
MEXE6-ENHANC	MExE Rel-6 Improvements and Investigations	T2	Rel-6	42006
MEXE6-RTIF	MExE Run-Time Independent Framework Feasibility Study	T2	Rel-6	42007
mfr		SMG3	Ph2	0
MIMO	Multiple Input Multiple Output antennas (MIMO)	R1	Rel-6	2468
MIMO-lurlub	MIMO - lub/lur Protocol Aspects	R3	Rel-6	23008
MIMO-L23	MIMO - Layer 2,3 aspects	R2	Rel-6	22003
MIMO-Phys	MIMO - Physical layer	R1	Rel-6	21006
MIMO-RF	MIMO - RF Radio Transmission/Reception, System Performance Requirements and Conformance Testing	R4	Rel-6	24008
MISC		SMG3	R98	0
Miscellaneous		SMG1	R96	0
MISTST1	Miscellaneous UE Conformance Testing Activities	T1	Rel-4	1861
MISTST1-Ext	Extensions to R99 Test cases	T1	Rel-4	1907
MISTST1-OpFDD	Optimisation of Test Time, RF Aspects (FDD)	T1	Rel-4	1862
MISTST1-OpTDD	Optimisation of Test Time, RF Aspects (TDD)	T1	Rel-4	1863
MISTST1-TDD	Creation of R99 TCs for TDD - prose	T1	Rel-4	2565
mm?		SMG3	Ph2	0
MMI		s1	R96	0
MMI Procedures		SMG1	R96	0
MMS	Multimedia Messaging	T2	Rel-4	1818
MMS Enhancement		S1	Rel-5	0
MMS enhancements		S1	Rel-5	0
MMS REL-4		T2	Rel-4	0
MMS-R6		S1	Rel-6	0
MMS6	Multimedia Messaging (MMS) enhancements	T2	Rel-6	42009
MMS6-Codec	MMS formats and codecs	S4	Rel-6	42013
MMS6-SR	Definition of service requirements	S1	Rel-6	42010
MNP		N4	R98	0

MNP - GSM		SMG1	R97	0
MS Classmark		N1	-	0
MS Management		SMG4	R97	0
MS-TE multiplexing		SMG4	R97	0
MS-TE multiplexing p		SMG4	R97	0
MS-TE Multiplexor		SMG4	R97	0
MSCTDTM	MS Conformance Testing of Dual Transfer Mode	G4	Rel-5	54001
MSP		s1	R96	0
MSP1		N4	R98	0
MSP2		N4	R99	0
mstest		SMG3	R96	0
MTBF		G2	Rel-6	0
MULTBF	Multiple TBF in A/Gb mode	GP,G2	Rel-6	50600
MULTBF-Agbmode	Multiple TBF in A/Gb mode	GP	Rel-5	50059
MULTBF-Testing	Multiple TBF in A/Gb mode – MS testing	G3	Rel-6	50605
Multiband		N1	Ph2	0
Multiband Operation		SMG3	-	0
Multicall		s1	R99	0
Multicall, UMTS1		S1	R99	0
Multimedia		N1	R99	0
Multimedia Codec		S4	R99	0
MultTBF		G2	Rel-5	0
MUX MS-TE		SMG4	R97	0
MUX MS-TE.		SMG4	R97	0
MUX MSTE		T2	R99	0
N/A		T1	R99	0
NA		T1	R99	0
NACC		G3new	Rel-5	0
NAEA		SMG3	R97	0
ncc		SMG3	R96	0
NETSHAR		N1	Rel-5	0
NETSHARE	UTRAN Sharing in Connected Mode	R3	Rel-5	23004
NI of Alerting		SMG1	R97	0
NIAlerting in MS		SMG3	R97	0
NIAlerting in MS		SMG1	R97	0
NITAD		SMG3	R96	0

NITZ		S1	R96	0
NTShar	Network Sharing	S1	Rel-6	31018
NTShar-CR	Stage 1 - CRs to implement Network Sharing	S1	Rel-6	31038
NTShar-TR	Technical Report	S1	Rel-6	31019
NTShar-UTRANenh	Enhancement of the support of network sharing in the UTRAN	R2	Rel-6	22004
Numbering		s1	R99	0
OAM	OAM&P	S5	Rel-6	35010
OAM-AR	Principles, high level Requirements and Architecture	S5	Rel-6	35011
OAM-AR/PR	Rel5 Principles, high level Requirements and Architecture	S5	Rel-5	35002
OAM-CH	Charging	S5	Rel-5	35005
OAM-CM	Configuration Management	S5	Rel-4	2082
OAM-FM		S5	R99	0
OAM-NIM	Rel5 Network Infrastructure Management	S5	Rel-5	35001
OAM-PM	Performance Management	S5	Rel-6	35012
OAM-Trace	Subscriber and UE trace management	S5	Rel-6	35022
OAM-Trace-RAN	Subscriber and equipment trace in UTRAN	R3	Rel-6	23013
OAM-UEM	FS on User Equipment (UE) Management	S5	Rel-5	35000
octet stream PDP		SMG4	R98	0
ODB	Operator Determined Barring for Packet Oriented Services	NP	Rel-4	2463
ODB Enh.		S1	R96	0
ODB, WLAN-CR		S1	Rel-6	0
OoBT		N1	R99	0
OoBTC		N4	R99	0
Optimal Routeing		N2	R96	0
OSA		S2	R99	0
OSA1	Rel-5 OSA enhancements	S1	Rel-5	501637
OSA1-CSCF	OSA APIs for Multimedia Call Control	S2	Rel-5	1429
OSA1-ECOM	Interactions OSA - e-commerce	S2	Rel-5	401424
OSA1-LCSI	CHECK STATUS - LCS - OSA interfaces	S1	Rel-5	1786
OSA1-SEC	OSA security	S3	Rel-5	1419
OSA2		S1	Rel-5	0
OSA2-IOAPI		S1	Rel-5	0
OSA2-TC	Retrieval of Terminal capabilities	S2	Rel-5	1433
OSA2-UP	Access to User Profile	S1	Rel-5	2540
OSA3	Rel-6 OSA enhancements	S1	Rel-6	15010
Other		N3	Rel-6	0

Other REL-5 Wis		N3	Rel-5	0
OuBTC		N3	Rel-4	0
Packet Flow Management		G2	R99	0
PCS Harmonis.		SMG3	R97	0
PCS1900		G1	R00	0
PCS1900 Harmonisation		N1	R98	0
PDS		SMG6	R96	0
PFC		G2	R99	0
PIAFS		s1	R99	0
Pico BTS		SMG2	R98	0
Pico-BTS		SMG2	R98	0
PM		S5	R99	0
Point to Multipoint Services		N3	R99	0
PR		S5	R99	0
Pre-paging		N4	R99	0
PRES		S2	Rel-6	0
PRESENC		S2	Rel-6	0
Presence		S2	Rel-6	0
PRESNC	Support of Presence Capability	S1	Rel-6	2499
PRESNC-COFIMP	Media Codecs and Formats for IMS Messaging and Presence	S4	Rel-6	34025
Princs & Reqs (PR)		S5	R99	0
PRIOR	Priority Service	S1	Rel-6	31015
PRIOR-FS	Feasibility Study	S1	Rel-6	31016
PRIOR-SR	Stage 1 - Requirements	S1	Rel-6	31017
PrivCap	Study on Privacy Capability	S1	Rel-6	31030
Provisioning of IP-based multi		S1	Rel-5	0
PRPY		S1	Rel-5	0
PSintDTM	Reduction of PS service interruption in Dual Transfer Mode	G2	Rel-6	50109
PSintDTM-ConfBTS	BTS Conformance testing	G3	Rel-6	50114
PSintDTM-ConfMS	MS Conformance testing	G3	Rel-6	50113
PSintDTM-Perf	Performance Study of Current Procedures	G2	Rel-6	50111
PSintDTM-Reduct	Reduction of service interruption times and packet loss during Dual Transfer Mode and mobility procedures	G2	Rel-6	50112
PSintDTM-Req	Use case and requirement definition	G2	Rel-6	50110
PSS		S1	Rel-6	0
PSS-E	Extended Transparent End-to-End PS Streaming Service	S4	Rel-5	34001

PSSrel6	Packet Switched Streaming Services Rel-6	S4	Rel-6	34022
PSSrel6-Stage3	Stage 3	S4	Rel-6	34024
PSTREAM	Transparent End-to-End PS mobile streaming application	S4	Rel-4	1539
PUSH	Support of Push Services	S1	Rel-6	1365
QoS		S2	R99	0
QoS enhancements		N2	R99	0
QoS for Speech & MM Codecs / AMR		S4	R99	0
QoS1	QoS Improvements	S2	Rel-6	32016
QoS1, IMS2		S2	Rel-6	0
QoSPS	UMTS QoS Architecture for PS Domain	S2	Rel-4	2546
QoSPS-MAPEND-RABQoS	RAB Quality of Service (re)Negotiation over Iu	R3	Rel-4	1681
QoSPS-MAPEND-RABQoS-Negot	RAB Quality of Service Negotiation over Iu	R3	Rel-4	1991
QoSPS-MAPEND-RABQoS-NegotReloc	RAB Quality of Service Negotiation over Iu during relocation	R3	Rel-4	2456
QoSPS-MAPEND-RABQoS-ReNegot	RAB Quality of Service Re-Negotiation over Iu	R3	Rel-4	1992
QoSPS-OAM	Charging and OAM&P for QoS Management	S5	Rel-4	2550
QoSPS-PSdoRTS	PS-domain handover for real-time services	R3	Rel-4	1685
R-GSM		SMG7	R96	0
R1		G4	Rel-5	0
R6: MMS		S1	Rel-6	0
R99		G4	Rel-5	0
R99 Service Clean up		S1	R99	0
RABimp-RoCH	Testing RAB support enhancements-Robust Header Compression	T1	Rel-4	402461
RAN-imp-RRMopt-DTB	FS Introduction of direct transport bearers between SRNC and Node-B	R3	Rel-5	23002
RANimp	Rel-4 RAN improvements	RP	Rel-4	400009
RANImp-BeamF		R4	Rel-5	0
RANimp-BFE	Beamforming Enhancements	R1	Rel-6	20999
RANimp-BFR-UE	Beamforming requirements for UE	R1	Rel-5	21001
RANimp-FSEarlyUE		R3	R99	0
RANimp-FSEvo	FS on the evolution of the UTRAN architecture	R3	Rel-6	23006
RANimp-ImpRRM	FS Improvement of Radio Resource Management across RNS and RNS/PSS	R3	Rel-5	2490
RANimp-NACC	Network Assisted Cell Change (NACC) from UTRAN to GERAN - network-side aspects	R3	Rel-6	23011
RANimp-NBSLCR	Node B Synchronisation for 1.28 Mcps TDD	R1	Rel-5	2472
RANimp-NBsync	Node B synchronisation for TDD	R1	Rel-4	655
RANimp-NBsynch		R4	Rel-4	0
RANimp-RABSE	RAB support enhancement	R2	Rel-6	624

RANimp-RABSE-CodeOptFDD	Optimisation of downlink channelisation code utilisation	R1	Rel-6	21008
RANimp-RABSE-CodeOptTDD	Optimisation of channelisation code utilisation for TDD	R1	Rel-6	21009
RANimp-RABSE-luEnhIMS	lu enhancements for IMS support in RAN	R3	Rel-6	23009
RANimp-RABSE5	RAB support enhancement for Rel-5	R2	Rel-5	22000
RANimp-RLTA	RL Timing Adjustment	R3	Rel-5	2488
RANimp-RRM1	Improvement of RRM across RNS and RNS/BSS	R3	Rel-6	23005
RANimp-RRMopt	RRM optimization for lur and lub	R3	Rel-5	656
RANimp-RRMopt-ctc	lur common transport channel efficiency optimisation	R3	Rel-5	23000
RANimp-RRMopt-FSUEMsD	FS of the improved access to UE measurement data for CRNC to support TDD RRM	R3	Rel-6	23007
RANimp-RRMopt-ncr	lur neighbouring cell reporting efficiency optimisation	R3	Rel-5	23001
RANimp-RRMopt-UEMsD	Improved access to User Equipment (UE) measurement data for Controlling Radio Network Controller (CRNC) to support Time Division Duplex (TDD) Radio Resource Management (RRM)	R3	Rel-6	23014
RANimp-SepRR	Separation of resource reservation and radio link activation	R3	Rel-5	2489
RANimp-SRNS	FS SRNS Relocation Procedure Enhancement	R3	Rel-5	23003
RANimp-SSDT	Support of Site Selection Diversity Transmission in UTRAN	R1	Rel-5	21002
RANimp-test	General changes to TS34.121 and TS34.122 corresponding to release 5	T1	Rel-5	41010
RANimp-TiltAnt	Remote Control of Electrical Tilting Antennas	R3	Rel-6	23010
RANimp-TiltAnt-OAM	OAM&P impacts of Remote control of Electrical Tilting antennas	S5	Rel-6	35023
RANimp-TTPS	Re-arrangements of lub transport bearers	R3	Rel-5	2491
Real-time NT FAX in UMTS		N3	R99	0
REN/SMG-071110Q-3		SMG7	R96	0
REN/SMG-071110QR7-1		SMG7	R96	0
REP		SMG2	-	0
Repeaters		SMG2	-	0
RF, GPRS		G3new	Rel-5	0
RInImp	Rel-4 Improvements of Radio Interface	RP	Rel-4	401216
RInImp-BSCClass	Base station classification	R4	Rel-6	24004
RInImp-BSCClass-FDD	FDD Base station classification	R4	Rel-6	1476
RInImp-BSCClass-LCRTDD	Base Station Classification for 1.28 Mcps TDD option	R4	Rel-5	24002
RInImp-BSCClass-TDD	TDD Base station classification	R4	Rel-5	1477
RInImp-BSCClass-TDD, RInImp-BSCClass-LCRTD		R4	Rel-5	0
RInImp-CPICH_Intf	FS on mitigating the effect of CPICH interference at the UE	R4	Rel-5	2493
RInImp-DLCFACH	FS on improved common DL channel for Cell-FACH state	R2	Rel-4	1510
RInImp-DSCHhsp	Enhancement on the DSCH hard split mode	R1	Rel-5	2469
RInImp-DSCHsho	DSCH power control improvement in soft handover	R1	Rel-4	1994

RInImp-FSLoPw	FS on Low Output Powers for general purpose FDD BSs	R3	Rel-6	24011
RInImp-FSOFDM	FS for the analysis of OFDM for UTRAN enhancement	R1	Rel-6	21003
RInImp-FSUpDTrCh	FS on Uplink Enhancements for Dedicated Transport Channels	R1	Rel-6	21004
RInImp-FSUpEnhTDD	FS on Uplink enhancements for UTRA TDD	R1	Rel-6	21007
RInImp-FSVHCRTDD	FS on Analysis on Higher Chip Rates for UTRA TDD evolutions	R1	Rel-6	21005
RInImp-HARQ	Hybrid ARQ II/III	R2	Rel-5	1217
RInImp-HSDPA	FS on High Speed downlink packet access	R2	Rel-4	1219
RInImp-HSPerf	Improved Receiver Performance Requirements for HSDPA	R4	Rel-6	24013
RInImp-HSPerf-RxDiv	Performance Requirements of Receive Diversity for HSDPA	R4	Rel-6	24014
RInImp-IfIsM	Improvement of inter-frequency and inter-system measurement	R1	Rel-6	1470
RInImp-IfIsMLCR	FS on Improvement of inter-frequency and inter-system measurements for 1.28 Mcps TDD	R1	Rel-6	21000
RInImp-REP	UTRA repeater specification (master)	R4	Rel-4	1509
RInImp-REP, HSDPA-RF		R4	Rel-4	0
RInImp-Rlperf	FS on Radio link performance enhancements	R1	Rel-6	1506
RInImp-SIR	FS on the re-introduction of the downlink SIR measurement	R4	Rel-5	2494
RInImp-TPS		R3	Rel-4	0
RInImp-UEAnTM	FS on UE antenna efficiency test method performance requirements	R4	Rel-5	1997
RInImp-UEAnTM2	FS on UE antenna efficiency test methods performance requirements (2)	R4	Rel-6	24005
RInImp-UERecPerf	Improving Receiver Performance Requirements for the FDD UE	R4	Rel-6	24006
RInImp-UMTS1721	UMTS 1.7/2.1 GHz	R4	Rel-6	24010
Rinimp-UMTS1721, Rinimp-UMTS1800, Rinimp-UMTS1900		R2	R99	0
Rinimp-UMTS1721, Rinimp-UMTS1900, Rinimp-UMTS1800		R2	Rel-5	0
Rinimp-UMTS1721, Rinimp-UMTS1900, Rinimp-UMTS1800, Rinimp-UMTS800		R2	Rel-6	0
RInImp-UMTS18	UMTS 1800	R4	Rel-4	1996
RinImp-UMTS18, RinImp-UMTS19		R4	Rel-5	0
RInImp-UMTS19	UMTS 1900	R4	Rel-4	2467
RInImp-UMTS800	DS-CDMA introduction in the 800 MHz band	R4	Rel-6	24009
RInImp-UMTS850	UMTS-850	R4	Rel-6	24007
RInImp-UMTS850, RinImp-UMTS800, RinImp-UMTS1721		R4	Rel-6	0
RInImp-UMTS850, UMTS800,UMTS1721		R4	Rel-6	0
RInImp-UMTS850; UMTS800; UMTS1721		R4	Rel-6	0
RInImp-USTS	FS on USTS	R1	Rel-5	1221
RInImp-WDS	FS on UTRA WideBand Distribution Systems	R4	Rel-6	24001
RLC/MAC		G2	Rel-5	0

RInImp-UMTS18		R2	Rel-5	0
RInImp-UMTS18, RInImp-UMTS19		R4	Rel-5	0
RInImp-UMTS1721, RInImp-UMTS850, RInImp- RInImp-UMTS18		R4	Rel-6	0
RInImp-UMTS18		R4	Rel-5	0
RInImp-UMTS19		R4	Rel-5	0
RInImp-UMTS800		R4	Rel-6	0
RInImp19, RInImp18		R2	R99	0
RLP		SMG4	Ph2	0
RRM-Opt		R3	Rel-4	0
RRM_Optimisation		R3	Rel-4	0
RT Facsimile		N3	Rel-4	0
RTEI		T1	R99	0
SACS		SMG1	R96	0
SAIC	Single Antenna Receiver Interference Cancellation (SAIC)	GP,G1	Rel-6	51101
SAT		T3	R96	0
SCCAMEL	CAMEL prepay interworking with SCUDIF	N2	Rel-6	12008
SCSAGB	Support of Conversational Services in A/Gb mode via the PS domain	GP	Rel-6	50500
SCSAGB-FLO	Modifications to FLO	GP,G2	Rel-6	50506
SCSAGB-PSH	PS Handover	GP	Rel-6	50505
SCSAGB-RCS	Radio Channel Support	GP	Rel-6	50503
SCSAGB-RRM	Definition of radio resource management functionality	GP,G2	Rel-6	50504
SCSAGB-Stage2	Stage 2	GP	Rel-6	50502
SCSAGB-TR	Creation of a TR	GP	Rel-6	50501
SCUDIF	Service Change and UDI Fallback	N3	Rel-5	13000
SEC-IST		S3	R99	0
SEC-LI		S3	Rel-5	0
SEC-NDS-IP		S3	Rel-5	0
SEC1	Security enhancements	S3	Rel-6	1571
SEC1-		N4	Rel-4	0
SEC1-CSALG01, SEC1-PSALG01		S3	Rel-5	0
SEC1-CSALGO1	Evolution of GSM CS algorithms (e.g. A5/3 development and deployment)	S3	Rel-4	1587
SEC1-EHCS		N4	Rel-4	0
SEC1-FIGS		S3	Rel-4	0
SEC1-LI	Lawful Interception in the 3GPP Rel-6 architecture	S3	Rel-6	33012
SEC1-MAP		S3	Rel-4	0
SEC1-MAPAL	MAP application layer security	S3	Rel-4	401583

SEC1-NCI	Security Aspects of Requirement for Network Configuration Independence	S3	Rel-5	2574
SEC1-NDS	Network domain security	S3	Rel-6	33006
SEC1-NDS-AF	Network Domain Security; Authentication Framework (NDS/AF)	S3	Rel-6	33017
SEC1-NDS-IP	IP network layer security (NDS/IP)	S3	Rel-5	2576
SEC1-PSALGO1	Evolution of GSM PS algorithms (e.g. GEA 2 deployment)	S3	Rel-4	1588
SEC1-PSALGO1-GEACAP	GEA capability indication in MS CM	N1	Rel-4	1661
SEC1-SC	Support for subscriber certificates	S3	Rel-6	33002
SEC1-VCS	CHECK STATUS - Visibility and Configurability of security	S3	Rel-4	401594
SECGKYV	Key Management of group keys for Voice Group Call Services	S3	Rel-6	33019
Second CB Channel		SMG4	R96	0
Security		S3	Ph2	0
SIM API		T3	R98	0
SIM appl. toolkit		SMG9	R96	0
SIM personalisation		SMG1	R96	0
SIM speed enhancemen		SMG9	R96	0
SIM toolkit		T3	R96	0
SIM toolkit API		SMG9	R99	0
SIM toolkit R98		SMG9	R98	0
SIM Toolkit Security		SMG9	R97	0
SIM-ME		T3	Rel-4	0
SIM-ME Assoc.		SMG1	R96	0
SIM/ME		SMG1	R96	0
SIM/ME Association		SMG9	-	0
SIWF		SMG4	R96	0
SM		S5	Rel-6	0
SM-CB		SMG4	R96	0
SMI-ME 1.8V		SMG9	R99	0
SMS		SMG4	R97	0
SMS Busy		SMG4	R97	0
SMS concatenated mes		SMG4	R96	0
SMS enh.		SMG4	R96	0
SMS Enh.: AS		SMG3	R96	0
SMS enh.: Compressio		SMG4	R96	0
SMS Enh.: Email IW		SMG4	R96	0
SMS Enh.: Filtering		SMG3	R97	0
SMS Enh.: SIM Toolki		SMG3	R96	0

SMS enh.: UCS2		SMG4	R96	0
SMS Interworking Ext		SMG4	R96	0
SMS Mobile Busy		SMG4	R96	0
SMS TEI		T2	Rel-4	0
SMS-CB Enh. R96		SMG4	R96	0
SMS-CB Enh. R97		SMG4	R97	0
SoLSA		SMG2	R97	0
SOR		SMG1	R96	0
SOR R96		SMG3	R96	0
SP name on SIM		SMG1	-	0
SPANME		S1	R99	0
Special Message Indi		SMG4	-	0
Special SMS indicati		SMG4	-	0
SPNP		SMG1	R96	0
SRSES	Speech Recognition and Speech Enabled Services	S1	Rel-6	31006
SRSES-Codec	Codec Work to Support Speech Recognition Framework for Automated Voice Services	S4	Rel-6	34700
SS7IP	FS on Usage of SUA	N4	Rel-5	2455
SS7IP-BSSAP+	BSSAP+	N1	Rel-4	2253
SSN allocation		N2	R99	0
SSN reallocation		SMG3	R96	0
SSStrea	Seamless support of streaming services in A/Gb mode	GP	Rel-6	50130
Streamlining		N3	R99	0
Subscriber certificates		S1	Rel-6	0
SuM	Subscription Management	S5	Rel-6	2062
Super Charger		N2	R99	0
Support of PIAFS in UMTS		N3	R99	0
Support of WB AMR in GERAN		G1	Rel-5	0
SYNC		T2	R99	0
T-GSM		N1	Rel-6	0
TAPS	Addition of frequency bands to GSM	GP	Rel-6	50401
TAPS-Conf	Addition of frequency bands to GSM – Changes for conformance tests	G4	Rel-6	54102
TAPS-Specs	Addition of frequency bands to GSM – Changes to core specs	G1	Rel-6	50094
TDOAF	Uplink TDOA feasibility study	GP	Rel-6	50041
TE&I		SMG3	R96	0
TE/I		SMG3	-	0

techn. improv.		SMG4	-	0
TEI		T2	-	0
TEI ("AT commands"		SMG4	R98	0
TEI ("AT commands")		SMG4	R96	0
TEI (Editorial)		S1	Rel-4	0
TEI (HSCSD)		SMG4	R96	0
TEI + Corrections		SMG3	-	0
TEI [CS Data]		N3	R99	0
TEI [GPRS]		N3	R99	0
TEI 5		S1	Rel-5	0
TEI 6		S1	Rel-6	0
TEI, Corrections		SMG3	R96	0
TEI, LCRTDD		T1	Rel-4	0
TEI, LCRTDD-RF		R4	Rel-4	0
TEI,LCRTDD		T1	Rel-4	0
TEI-4		SP	R99	0
TEI-5		T2	Rel-5	0
TEI-6		T2	Rel-6	0
TEI-R97		SMG2	R97	0
TEI/ISIM		S1	Rel-5	0
TEI/Multiband		SMG3	-	0
TEI; LCRTDD-RF		R4	Rel-4	0
TEI; LCRTDD-RF; RInImp-BSCClass-TDD		R4	Rel-5	0
TEI;LCRTDD-RF		R4	Rel-5	0
TEI=HSCSD		SMG3	R97	0
TEI_5		N4	Rel-5	0
TEI_6		S1	Rel-6	0
TEI4	small Technical Enhancements and Improvements for Rel4	Generic	Rel-4	1993
TEI5	small Technical Enhancements and Improvements for Rel5	Generic	Rel-5	30001
TEI5 (CSSPLIT)		N4	Rel-5	0
TEI5 (GTP enhancement)		N4	Rel-5	0
TEI5 (Separate)		N4	Rel-5	0
TEI5, RANimp-ImpRRM		R3	Rel-5	0
TEI6		T2	Rel 6	0
TEIX		R3	<?>	0
Telecom Management Arch (AR)		S5	R99	0

Terminal Acoustic Characteristics		S4	R99	0
Test methods HF		SMG11	R96	0
TFO	Tandem Free aspects for 3G and between 2G and 3G systems	S4	Rel-4	1631
TFO in mobile-to-mob		SMG11	R98	0
TFO R97		SMG3	R98	0
TFO+AMR NB / TFO + AMR-WB		G2	Rel-5	0
TFO-AMR	Tandem Free AMR	S4	Rel-4	1632
TFO-AMRWB		S4	Rel-5	0
TI	Terminal interfaces	T2	Rel-5	1826
TI-ATC	AT commands enhancements	T2	Rel-4	1827
TI-SYNC-EVOL	Continues evolution of Synchronisation protocol	T2	Rel-4	1830
TI-WADS	Wide Area Data Synchronisation	T2	Rel-4	1829
TLM	Terminal local model	T2	Rel-4	1832
TLM5	Terminal local model enhancements	T2	Rel-5	2573
Toolkit security		SMG9	R97	0
Transcoder location		S2	R99	0
TrFO	Transcoder-Free Operation	N4	Rel-4	1541
TRFO-OOB		N1	Rel-4	0
TRFO-OOBTC	OoBTC solution	N4	Rel-4	112
TRFO-OOBTC-CODNEG		N1	Rel-4	0
TRFO-OOBTC-UTRAN	implementation in UTRAN	R3	Rel-4	1512
TRFO-STLC	Speech Transcoder: Location and Control at the UMTS Core Network Border	S2	Rel-4	905
TTY		G3new	Rel-5	0
U-LCRTDD		R1	Rel-4	0
U-LCS1-Uepos		R1	Rel-4	0
U-RInImp-DSCHsho		R1	Rel-4	0
U-TDOA		G2	Rel-6	0
UCR		T2	R99	0
UEM	User Equipment Management	S5	Rel-5	2520
UESPLIT	Technical Report on UE Functionality Split (Work stopped)	S1	Rel-5	31013
UESPLIT-TR		S1	Rel-5	0
UICC1	Rel-4 UICC/(U)SIM enhancements and interworking	T3	Rel-4	401560
UICC1-CPHS	Common PCN Handset Specification (CPHS)	T3	Rel-4	1799
UMTS		N3	Ph1	0
UMTS Addressing		SMG1	UMTS	0
UMTS Charging		SMG1	UMTS	0

UMTS Multi-Subcr		SMG1	UMTS	0
UMTS Ph 1		SMG1	UMTS	0
UMTS QoS		S2	Rel-5	0
UMTS Roaming		SMG1	UMTS	0
UMTS S Capabilities		SMG1	UMTS	0
UMTS Service NWS		SMG1	UMTS	0
UMTS SERVICES		S1	R99	0
UMTS SS		SMG3	UMTS	0
UMTS1		S1	R99	0
UMTS800		R4	Rel-6	0
UOAM	UTRAN Operations and Maintenance procedures	S5	Rel-4	2071
Updates for UMTS		N3	R99	0
Uplink TDOA		G2	Rel-6	0
USAT1	Rel-5 USIM toolkit enhancements	T3	Rel-5	501800
USAT1-API	(U)SIM API	T3	Rel-5	501802
USAT1-API-JAVA		T3	Rel-4	0
USAT1-API-MULTOS	C SIM API	T3	Rel-6	502031
USAT1-Interpr	Protocol Standardisation of a SIM Toolkit Interpreter	T3	Rel-5	1801
USAT1-LocLnk	USAT local link	T3	Rel-4	2034
USAT1-SM		T3	Rel-4	0
USSD		SMG1	R96	0
USSD enhancements		N4	R96	0
UTDOA-CS		G2	Rel-6	0
UTDOACS	Addition of U-TDOA in the CS domain	GP	Rel-6	50444
UTDOAPS	Addition of U-TDOA in the PS domain	GP	Rel-6	50445
UTMS800		R4	Rel-6	0
UUS		SMG3	R96	0
UUS, FM		SMG7	R00	0
V.120 Interworking		SMG1	R96	0
V.120/RDI		SMG4	R96	0
VBS		SMG3	R96	0
VBS,VGCS		SMG3	R96	0
VBS,VGCS, eMLPP		SMG3	R96	0
VBS,VGCS,eMLPP		SMG1	R96	0
VBS/VGCS		SMG3	R96	0
VBS/VGCS/eMLPP		SMG3	R96	0

VGCS		S1	-	0
VGCS, VBS		SMG1	R96	0
VGCS,VBS		SMG9	R96	0
VHE		s1	R99	0
VHE1		S1	Rel-4	0
Vocab		S1	Rel-5	0
Vocabulary		S1	R99	0
WB-AMR, UMTS Capabil		S1	R99	0
WI2-MMC		S4	R99	0
WI5-TAC		S4	R99	0
Wideband Telephony Service		G2	Rel-5	0
WLAN	WLAN-UMTS Interworking	S1	Rel-6	31012
WLAN-CR	CRs to implement WLAN	S1	Rel-6	31035
WLAN-IW	Stage 3 - CN4 aspects	N4	Rel-6	14013
WLAN-TR	Technical Report	S1	Rel-6	31020