

Open Issues for Release 99 List

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Network Selection Handling of the PLMN Lists	X	X				X	X	X	June 2000 R99
North American Mobile Number Portability	X Completed (Editorial Modification needed)						X June 2000 but proposed for R99		June 2000 R99
Handover/ Cell Selection	Stage 1 for cell selection needed? NO for R99 Completed	X SMG2 work ongoing on GSM to UMTS H/O for April				X multi-mode report not completed June 2000 but proposed for R99	X Completed	X Completed except support on Iur of Handover for compressed mode June for R99	June 2000 R99
Multimedia Messaging	X ¹ Completed					X Completed			March 2000 R99
3G Location Services (LCS)	X ¹ Completed	X CS part	X ¹ Same as				X June 2000	X Hooks for	Hooks Complete

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(Geographic)		completed For PS part, only "hooks" defined on stage 2	GSM Completed				but proposed for R99	R99 completed New support required in RNC for CS June 2000 but proposed for R99	d March Cell based June for R99 and Full Service R00
MultiCall	X ¹ Completed	X ¹ Completed					X Completed Inter-MSC Handover not resolved June for R99		March 2000 R99 (June for Inter-MS)
High Speed Circuit Data	X ³ Completed						X General bearer complete		March 2000 R99
Packet Issues (Incl. GPRS)	X ³ , Completed	X Completed: Fair Charging replaced with volume based				X Completed	X ² Completed		March 2000 R99

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		charging							
USAT	X ³ Completed					X Completed			March 2000 R99
SolSA	X ³ R00	X ³ Not reviewed						X R00	R00
CAMEL Phase 3	X ³ Completed						X Completed		March 2000 R99
Cell Broadcast Service (CBS)		X ¹ Completed				X Completed		X Completed	March 2000 R99
Advanced Cell Broadcast	Stage 1 Not completed but complete for R00					X R00			R00
SMS						X Completed			March 2000 R99
MAP Security		X ¹ Completed review for R99 Need R00 Review	X ¹ R00				X Not completed but can work for June R99		R00 but target for June 2000
Enhanced User Confidentiality		X ¹ Proposed to be postponed to R00	X ¹ Proposed to be postponed to R00				X Proposed to be postponed to R00		R00

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OSA	X ¹ Completed Review Needed	X Completed Open Alignment issues	X				X Completed Open Alignment issues		Bulk complete for R99 open issues by June 2000, then issues in R99 as well
Universal Geographical Area Description (GAD)		X ³ Completed							March 2000 R99
No Valid Keypset in MS			X ¹ Completed				X No impact identified		March 2000 R99
No Encryption Case			X ¹ Completed				X No impact identified		March 2000 R99
Authentication Failure message report			X ¹ Completed				X MAP complete MS behavior on failure open		March 2000 R99 MS behavior june 2000 is met, then R99 ⁴
Tandem-Free for AMR				X June 2000					Target June 2000 R00
Transcoder-Free (out-of-band		X R00		X ¹ Completed			X Proposed	X R00	Target June 2000

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signaling)							to be postponed to R00		R00
Terminal Acoustic Test Spec				X June 2000 For R99					June 2000 R99
Quantitative Evaluation of H.324M over 3G Networks				X Completed					March 2000 R99
Transmission aspects of Speech service in 3G networks				X Completed					March 2000 R99
AMR Characterization Report				X Not Complete					September 2000 R99
Floating Point Implementation for AMR				X R99 in June					June 2000 R99
Telecom Mgmt - X.25 Decision; Add Security Section; IRP Framework					X Completed Map security dependant				March 2000 R99 Except for Map security dependant June 2000
Performance Mgmt. – x.25 Consistency; synchronization;					X Completed				March 2000 R99

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performance measurement parameter issues									
Charging Issues					X Sept. 2000 but proposed for R99				Sept. 2000 R99
Configuration Mgmt					X Completed but annexes added in June				June 2000 R99
Fault Mgmt. Preparation for March					X Completed but annexes added in June				June 2000 R99
Verify interoperation between S5 O&M and RAN O&M					X Completed			X Completed	March 2000 R99
Alternative to AT Commands						X Proposed to be postponed to R00			R00
Layer 3 Segmentation							X Proposed		R00?

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							to be postponed to R00		
Turbocharger							X Proposed to be postponed to R00		R00?
Call Forwarding Enhancement							X Completed		March 2000 R99
Real Time Fax							X Proposed to be postponed to R00		R00 Target June 2000
UE Test Specs – FDD						X First version Completed But changes expected for Sept.			September 2000 R99
UE Test Specs - TDD						X June 2000 but proposed for R99			June 2000 R99
UE Test Specs - Protocols						X June 2000 but proposed for R99			June 2000 R99

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						Packet and Inter-system H/O Sept 2000 for R99 Some new tests delayed			
UE Test Specs - ATS						X March 2001 but proposed for R99			March 2001 R99
UE Test Environment						X June 2000 but proposed for R99			June 2000 R99
UE Test Interface						X June 2000 but proposed for R99			June 2000 R99
UE Test Specs - Proforma						X June 2000 but proposed for R99			June 2000 R99
UE Electromagnetic Compatibility						X Completed			March 2000 R99
UE Capabilities	X No work					X Completed	X No work	X Complete	March 2000

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	Identified for S1					Review Requested	Identified for CN	d	R99
AT Commands						X Completed			March 2000 R99
UE Multiplexer						X Completed			March 2000 R99
UICC/ME Interface						X Completed			March 2000 R99
USIM						X Completed			March 2000 R99
UICC Application Identifiers						X Completed			March 2000 R99
UICC Interface Test						X Sept. 2000 but proposed for R99			Sept 2000 R99
UICC Test						X Sept. 2000 but proposed for R99			Sept 2000 R99
*RAN Performance									
Compressed mode with puncturing (Method A)								X Completed	March 2000 R99

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DSCH (FDD+TDD) and USCH (TDD) on Iub								X Completed	March 2000 R99
Iu time alignment								X Completed	March 2000 R99
DSCH and USCH on Iur								X June 2000 but proposed for R99	June 2000 R99
Tracing deactivation from CN								X Completed	March 2000 R99
CPCH (Common Packet Channel)								X Completed except NBAP June 2000 but proposed for R99	June 2000 R99
Turbo interleaver								X Completed	March 2000 R99

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• Downlink Outer Loop Power control								X Completed except behaviour of Node B June 2000 but proposed for R99	June 2000 R99
*RAN Essential									March 2000 R99
Out-of-synch handling								X Completed	March 2000 R99
TDD cell parameter cycling								X Completed	March 2000 R99
Parity bit attachment to 0 bit transport block								X Completed	March 2000 R99
Support of soft handover during active compressed mode pattern								X Completed	March 2000 R99
Delay performance requirements								X Completed	March 2000 R99
Delayed activation at Radio Link establishment								X Completed	March 2000 R99

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DRX parameter on Iur								X Completed	March 2000 R99
Version handling and compatibility issues for Iub/Iur userplane protocols								X Completed	March 2000 R99
Capacity modeling of Node B resources								X Completed	March 2000 R99
Partial relocation procedure								X Completed	March 2000 R99
Physical channel reconfiguration procedure on Iur								X Completed	March 2000 R99
Triggering of the Common Transport channel resources initiation procedure (selection of S CCPCH)								X Completed	March 2000 R99
Node B origination of SIBs on BCCH								X Completed	March 2000 R99
CPICH SIR Measurement								X Completed	March 2000 R99
CPICH SIR								X	March

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Measurement								Completed	2000 R99
Performance Specifications								X June 2000 but proposed for R99	June 2000 R99
RRM Performance Specifications								X June 2000 but proposed for R99	June 2000 R99
DS-41 Extensions								X Completed	March 2000 R99
GLR							X Completed		March 2000 R99
Base Station Testing (RF and RRM Performance)								X June 2000 but proposed for R99	June 2000 R99
Support of Transcoder in CN		X Completed					X Completed		March 2000 R99
Vocabulary	X ³ Completed	X ³ Completed	X ³	X ³	X ³	X ³ Work continues	X ³ Work continues	X ³	March 2000 R99

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Cause Code No-ID	X						X		June 2000 R99

For RAN items transferred to later releases, see Tdoc SP-00146

For details on TSG-SA issues, see Tdoc SP-00xxx

For details on TSG-RAN issues, see Tdoc SP-00145

For details on TSG-CN issues, see Tdoc SP-00140

For details on TSG-T issues, see Tdoc SP-00126

* The split of items in the RAN Items is a draft and has not been agreed in RAN.