Open Issues for Release 99 List

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Network Selection Handling of the PLNM Lists	X	X				X	X	X	Delayed to Sept. 2000 R99
North American Mobile Number Portability	X **Completed**						X Completed		June 2000 R99
Handover/ Cell Selection	X Completed	X **Completed**				X **Completed (multi-mode UE Report)**	X **Completed**	X **Completed**	June 2000 R99
Multimedia Messaging	X[1] **Completed**					X **Completed**			March 2000 R99
3G Location Services (LCS) (Geographic)	X[1] **Completed**	X **CS part completed For PS part, only "hooks" defined on stage 2**	X[1] **Same as GSM Completed**				X Completed	X **Hooks for R99 completed**	Hooks Completed March Cell based June for R99 and Full Service R00
MultiCall	X **Completed**	X **Completed**					X **Completed**		March 2000 R99 (June for Inter-

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									MSC)
High Speed Circuit Data	X **Completed**						X **General bearer complete**		March 2000 R99
Packet Issues (Incl. GPRS)	X, **Completed**	X **Completed: Fair Charging replaced with volume based charging**				X **Completed**	X^2 **Completed**		March 2000 R99
USAT	X **Completed**					X **Completed**			March 2000 R99
SolSA	X For later Release	X For later Release						X	For later Release
CAMEL Phase 3	X **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**					**X R00**			R00

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
	for R00								
SMS						X **Completed**			March 2000 R99
MAP Security		X **Completed review for R99** **Need R00 Review**	X **R00**				X **First phase completed as part of R99**		Full solution in R00 but target for March 2001
Enhanced User Confidentiality		X	X				X **Proposed to be postponed to R00**		R00
OSA	X[1] **Completed**	X **Completed**	X				X **Completed**		R99
Universal Geographical Area Description (GAD)		X[3] **Completed**							March 2000 R99
No Valid Keyset 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**		R99 If MS behavior

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							MS behavior on failure open		Sept 2000 is met, then R99[4]
Tandem-Free for AMR				X Delayed till Dec. 2000					R00
Transcoder-Free (out-of-band signaling)		X R00		X[1] Completed			X Delayed till September	X R00	Target September 00
Terminal Acoustic Test Spec				X Completed					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 Completed					June 2000 R99
Telecom Mgmt - X.25 Decision;					X Completed				March 2000

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Add Security Section; IRP Framework					**Map security dependant**				R99 Except for Map security dependant Dec. 2000
Performance Mgmt. – x.25 Consistency; synchronization; performance measurement parameter issues					X **Completed**				March 2000 R99
Charging Issues					X **Dec. 2000 but proposed for R99**				Dec.. 2000 R99
Configuration Mgmt					X **Completed**				June 2000 R99
Fault Mgmt. Preparation for March					X **Completed**				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**			R00

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						be postponed to R00			
Layer 3 Segmentation									Removed
Turbocharger									Removed
Call Forwarding Enhancement							X **Completed**		March 2000 R99
Real Time Fax							X **Completed**		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** **First version Completed** **But changes expected for December**			June 2000 R99
UE Test Specs - Protocols						X **First version Completed** **But changes expected for December**			June 2000 R99

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UE Test Specs - ATS						X **March 2001 but proposed for R99**			March 2001 R99
UE Test Environment						X **First version Completed** **But changes expected for December**			June 2000 R99
UE Test Interface						X Delayed till December			Delayed Dec. 2000 R99
UE Test Specs - Proforma						X Delayed till December 2000			Delayed Dec. 2000 R99
UE Electromagnetic Compatibility						X **Completed**			March 2000 R99
UE Capabilities	X **No work Identified for S1**					X **Completed**	X **No work Identified for CN**	X **Completed**	March 2000 R99
AT Commands						X **Completed**			March 2000 R99
UE Multiplexer						X **Completed**			March 2000

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									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 **Delayed to Dec. 2000 but proposed for R99**			Dec. 2000 R99
UICC Test						X **Delayed to Dec. 2000 but proposed for R99**			Dec. 2000 R99
***RAN Performance**									
Compressed mode with puncturing (Method A)								X **Completed**	March 2000 R99

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finaliza tion
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 R99
Tracing deactivation from CN								X **Completed**	March 2000 R99
CPCH (Common Packet Channel)								X **Completed except NBAP**	June 2000 R99
Turbo interleaver								X **Completed**	March 2000 R99
• Downlink Outer Loop Power control								X Completed	June 2000 R99
*RAN Essential									March 2000 R99
Out-of-synch handling								X **Completed**	March 2000 R99

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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
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

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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 Measurement								X **Completed**	March 2000 R99
Performance Specifications								X **Delayed till Sept. 2000 but proposed for R99**	Sept. 2000 R99
RRM Performance Specifications								X Sept. 2000 but	Sept. 2000 R99

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
								proposed for **R99**	
DS-41 Extensions								X **Completed**	March 2000 R99
GLR							X **Completed**		March 2000 R99
Base Station Testing (RF and RRM Performance)								X **Dec. 2000 but proposed for R99**	Dec. 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
Cause Code No-ID	X Completed						X		June 2000 R99