Open Issues for Release 99 List

Issue/Group	S1	S2	S3	S4	S 5	Т	CN	RAN	Finaliz ation
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				X multi-mode report Completed	X Completed	X Completed except support on Iur of Handover for compressed mode June for R99	March 2000 R99 Action Plan Needed
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 June 2000 but proposed for R99	X Hooks for R99 completed New support required in RNC for	Hooks and Full Service R00

Issue/Group	S1	S2	S 3	S4	S 5	Т	CN	RAN	Finaliz ation
								CS June 2000 but proposed for R99	
MultiCall	X ¹ Completed but CR for inter MSC is needed	X ¹ Completed					X Completed Inter-MSC Handover not resolved		March 2000 R99
High Speed Circuit Data	X ³ Completed						X General bearer		March 2000 R99
Packet Issues (Incl. GPRS)	X ³ , Completed	X Completed: Fair Charging replaced with volume based charging				X Sept. 2000 but proposed for R99	complete X ² Completed		March 2000 R99
USAT	X ³ Pending CR					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

Issue/Group	S1	S2	S3	S4	S 5	Т	CN	RAN	Finaliz ation
									R99
Cell Broadcast		X^1				X		Х	March
Service (CBS)		Completed				Completed		Completed	2000
		•						•	R99
Advanced Cell	Stage 1					X			R00 or
Broadcast	Not completed but complete for R00					R00			later
SMS						X			March
						Completed			2000
						Completed			R99
MAP Security		X ¹	\mathbf{X}^1				X		If target
while becamey		Completed	R00				Not		March
		review for					completed		2000 is
		R99					but can		met, then
		Need R00					work for		R99 ⁴
		Review					June R99		
Enhanced User			X^1				X		If target
Confidentiality		Proposed to	Proposed				Proposed		March
Connuclitianty		be	to be				to be		2000 is
		postponed	postponed				postponed		met, then
		to R00	to R00				to R00		R99 ⁴
OSA	X ¹	X	X				X		If target
UDA	Completed	Completed	No work				Completed		March
	Completed	Open	Proposed				Open		2000 is
		Alignment	to be				-		met, then
		issues					Alignment issues		R99
			postponed to R00						КУУ
		some parts					some parts		
		postponed					postponed		
		to R00					to R00		

Issue/Group	S1	S2	S3	S4	S 5	Т	CN	RAN	Finaliz ation
Universal		X^3							March
Geographical Area		Completed							2000
Description (GAD)		Comproved							R99
No Valid Keyset in			X ¹				X		If target
MS			Completed				No impact		March
			Compieteu				identified		2000 is
									met, then
									R99 ⁴
No Encryption			X^1				X		March
Case			Completed				No impact		2000
			•				identified		R99
Authentication			X^1				Х		If target
Failure message			Completed				MAP		March
report			•				complete		2000 is
-							MS		met, then
							behavior		$\mathbf{R99}^{4}$
							on failure		
							open		
Tandem-Free for				Х					June
AMR				June 2000					2000
									soonest
									R00
Transcoder-Free		X		X^1			X		If target
(out-of-band		Proposed to		Nothing			Proposed		March
signaling)		be		was			to be		2000 is
		postponed		needed			postponed		met, then
		to R00					to R00		R99
Terminal Acoustic				Х					June
Test Spec				June 2000					2000
				For R99					R99!
Quantitative				Х					March
Evaluation of				Completed					2000

Iggue/Crosse	01	CA	CO	C 4	0				
Issue/Group	S1	S2	S3	S4	S 5	Т	CN	RAN	Finaliz
									ation
H.324M over 3G									R99
Networks									_
Transmission				X					March
aspects of Speech				Completed					2000
service in 3G									R99
networks									
AMR				X					March
Characterization				Not					2000
Report				Complete					R99
Floating Point				X					March
Implementation				R99 in					2000
for AMR				June					R99
Telecom Mgmt -					Х				March
X.25 Decision;					Completed				2000
Add Security					Map				R99
Section;					security				
IRP Framework					dependant				
Performance					X				March
Mgmt. – x.25					Completed				2000
Consistency;					-				R99
synchronization;									
performance									
measurement									
parameter issues									
Charging Issues					Х				June
					Sept. 2000				2000
					but				R99
					proposed				
					for				
					R99				
Configuration					Х				June
Mgmt					Completed				2000

Issue/Group	S1	S2	S3	S4	S 5	Т	CN	RAN	Finaliz ation
					but				R99
					annexes				
					added in				
					June				
Fault Mgmt.					X				June
Preparation for					Completed				2000
March					but				R99
					annexes				
					added in				
					June				
Verify					X			Х	March
interoperation					Completed			Completed	2000
between S5 O&M									R99
and RAN O&M									
Alternative to AT						X			Not R99
Commands						Proposed to			R00?
						be			
						postponed to			
						R00			
Layer 3							Х		Not R99
Segmentation							Proposed		R00?
							to be		
							postponed		
							to R00		
Turbocharger							Х		Not R99
							Proposed		R00?
							to be		
							postponed		
							to R00		
Call Forwarding							Х		March
Enhancement							Completed		2000
									R99

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Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finaliz
									ation
Real Time Fax							Х		March
							Proposed		2000
							to be		R99
							postponed		
							to R00		
UE Test Specs –						X			March
FDD						Completed			2000
									R99
UE Test Specs -						X			June
TDD						June 2000			2000
						but			R99
						proposed for			
						R99 X			
UE Test Specs -						X			June
Protocols						June 2000			2000
						but			R99
						proposed for			
						R99			
						Some new			
						tests delayed			
UE Test Specs -						X			March
ATS						March 2001			2001
						but			R99
						proposed for			
						R99			
UE Test						X			June
Environment						June 2000			2000
						but			R99
						proposed for			
						R99			
UE Test Interface						X			June
						June 2000			2000

Issue/Group	S1	S2	S 3	S4	S5	T	CN	RAN	Finaliz ation
						but			R99
						proposed for			
						R99			
UE Test Specs -						X			June
Proforma						June 2000			2000
						but			R99
						proposed for			
						R99			
UE						X			March
Electromagnetic						March 2000			2000
Compatibility						but			R99
						proposed for			
						R99 X			
UE Capabilities	Х					X	Х	Х	March
-	No work					Completed	No work	Completed	2000
	Identified for					· · ·	Identified		R99
	S1						for CN		
AT Commands						X			March
						Completed			2000
						_			R99
UE Multiplexer						X			March
0 <u>–</u> 11 – 11 – 11 – 11 – 11 – 11 – 11 –						Completed			2000
									R99
UICC/ME						X			March
Interface						Completed			2000
						Completed			R99
USIM						X			March
						Completed			2000
						Completed			R99
UICC Application						X			March
Identifiers						Completed			2000
						Completed			R99
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Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finaliz ation
UICC Interface Test						X Sept. 2000 but proposed for R99			June 2000 R99
UICC Test						X Sept. 2000 but proposed for R99			June 2000 R99
*RAN Performance									March 2000 R99
Compressed mode with puncturing (Method A)								X Completed	
DSCH (FDD+TDD) and USCH (TDD) on Iub								X Completed	
Iu time alignment								X Completed	
DSCH and USCH on Iur								X June 2000 but proposed for R99	
Tracing deactivation from CN								X Completed	

Issue/Group	S1	S2	S 3	S4	S 5	Т	CN	RAN	Finaliz ation
CPCH (Common Packet Channel)								X Completed except NBAP June 2000 but proposed	<u>au011</u>
								for R99	
Turbo interleaver								X Completed	
• Downlink Outer Loop Power control								X Completed except behaviour of Node B June 2000 but proposed for R99	
*RAN Essential									March 2000 R99
Out-of-synch handling								X Completed X	
TDD cell parameter cycling								X Completed X	
Parity bit attachment to 0 bit transport block								Completed	
Support of soft								Х	

Issue/Group S1 S2 S3 S4 S5 T CN RAN Finalization handover during active compressed mode pattern										
active compressed mode pattern Delay performance requirements Delayd activation at Radio Link establishment DRAy parameter ORX parameter on lur ORX parameter Mart of the transformed Strain and Compatibility issues for lub/lur userplane protocols Capacity modeling of Node B resources Partial relocation procedure Physical channel reconfiguration procedure Drate dama Strain and strain and str	Issue/Group	S1	S2	S 3	S4	S 5	Т	CN	RAN	
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mode pattern </td <td></td>										
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initiation procedure (selection of S	_									
procedure (selection of S										
(selection of S										
	CCPCH)									

Issue/Group	S1	S2	S3	S4	S5	Т	CN	RAN	Finaliz ation
Node B origination								Х	
of SIBs on BCCH								Completed	
CPICH SIR								X	
Measurement								Completed	
CPICH SIR								X	
Measurement								Completed	
Performance								X	
Specifications								June 2000	
•								but	
								proposed	
								for	
								R99	
RRM								Х	
Performance								June 2000	
Specifications								but	
								proposed	
								for	
								R99	
DS-41 Extensions								Х	March
								Completed	2000
									R99
GLR							X		March
							Completed		2000
									R99
Base Station								Х	June
Testing								June 2000	2000
								but	R99
								proposed	
								for	
								R99	
Support of		X					X		March
Transcoder in CN		Completed					Completed		2000

Issue/Group	S1	S2	S3	S4	S5	Т	CN	RAN	Finaliz
									ation
									R99
Vocabulary	X^3	X^3	March						
	Completed	Completed				Work	Work		2000
						continues	continues		R99

1. This issue completed by this group but potential effect of open issues in other groups

2. CN Packet issues: GPRS Tunneling Protocol (GTP) Enhancements,

3. Specification ready but review recommended

4. See Tdoc. SP-99622

For RAN items transferred to later releases, see Tdoc SP-99618

For details on TSG-SA issues, see Tdoc SP-99634 For details on TSG-RAN issues, see Tdoc SP-99628 For details on TSG-CN issues, see Tdoc SP-99602 For details on TSG-T issues, see Tdoc SP-99626

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