Open Issues for Release 99 List

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Handover/ Cell Selection	Stage 1 for cell selection needed?	X				X – multi-mode report	X	X	March 2000 R99 **Action Plan Needed**
Multimedia Messaging	X^1					X **T2**			March 2000 R99
3G Location Services (LCS) (Geographic)	X^1	X	X^1				X	X **Hooks for R99**	**Hooks and** Full Service R00
MultiCall	X^1	X^1					X		March 2000 R99
High Speed Circuit Data	X^3						X		March 2000 R99
Packet Issues (Incl. GPRS)	X^3, Anonymous Access-Deleted	X Fair Charging					X^2		March 2000 R99
USAT	X^3					X			March 2000 R99
SolSA	X^3	X^3						X	R00
CAMEL Phase 3	X^3						X		March

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
									2000 R99
Cell Broadcast Service (CBS)		X[1]				Technical Realization		X	March 2000 R99
Advanced Cell Broadcast	**Stage 1 lacking**					Not R99			R00 or later
SMS						Technical Realization			March 2000 R99
MAP Security		X[1]	X[1]				X		If target March 2000 is met, then R99[4]
Enhanced User Confidentiality		X[1]	X[1]				X		If target March 2000 is met, then R99[4]
OSA	X[1]	X	X Tdoc SP-99592				X		If target March 2000 is met, then R99
Universal Geographical Area Description (GAD)		X[3]							March 2000 R99
No Valid Keyset in MS			X[1]				X		If target March 2000 is met, then

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
									R99[4]
No Encryption Case			Tdoc SP-99634				X		March 2000 R99
Authentication Failure message report			X[1]				X		If target March 2000 is met, then R99[4]
Tandem-Free for AMR				X CR SP-99572 for R00					June 2000 soonest R00
Transcoder-Free (out-of-band signaling)		X coordination		X[1] (CN R99?)			X		If target March 2000 is met, then R99
Terminal Acoustic Test Spec				X					June 2000 R99!
Quantitative Evaluation of H.324M over 3G Networks				X					March 2000 R99
Transmission aspects of Speech service in 3G networks				X					March 2000 R99
AMR Characterization Report				X					March 2000 R99

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Floating Point Implementation for AMR				X					March 2000 R99
Telecom Mgmt - X.25 Decision; Add Security Section; IRP Framework					32.101 32.102, 32.104				March 2000 R99
Performance Mgmt. – x.25 Consistency; synchronization; performance measurement parameter issues					32.102, 32.104				March 2000 R99
Charging Issues					32.105 Desirable for March				June 2000 R99
Configuration Mgmt					32.106 Basic Spec for March				June 2000 R99
Fault Mgmt. Preparation for March					32.111 Desirable for March				June 2000 R99
Verify interoperation between S5 O&M and RAN O&M					X			X	March 2000 R99
Alternative AT Commands						X			Not R99 R00?
Layer 3							X		Not R99

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Segmentation									R00?
Turbocharger							X		Not R99 R00?
Call Forwarding Enhancement							X		March 2000 R99
Real Time Fax							X		March 2000 R99
UE Test Specs – FDD						X			March 2000 R99
UE Test Specs - TDD						X			June 2000 R99
UE Test Specs - Protocols						X			June 2000 R99
UE Test Specs - ATS						X			March 2001 R99
UE Test Environment						X			June 2000 R99
UE Test Interface						X			June 2000 R99
UE Test Specs - Proforma						X			June 2000 R99
UE Electromagnetic						X			March 2000

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
Compatibility									R99
UE Capabilities	X					X	X	X	March 2000 R99
AT Commands						X			March 2000 R99
UE Multiplexer						X			March 2000 R99
UICC/ME Interface						X			March 2000 R99
USIM						X			March 2000 R99
UICC API						X			March 2000 R99
UICC Interface Test						X			June 2000 R99
UICC Test						X			June 2000 R99

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
*RAN Performance • **Compressed mode with puncturing (Method A)** • **DSCH (FDD+TDD) and USCH (TDD) on Iub** • **Iu time alignment** • **DSCH and USCH on Iur** • **Tracing deactivation from CN** • **CPCH (Common Packet Channel)** • **Turbo interleaver** • **Downlink Outer Loop Power control**								X	March 2000 R99
*RAN Essential • **Out-of-synch handling** • **TDD cell parameter cycling** • **Parity bit attachment to 0 bit transport block**								X	March 2000 R99

Issue/Group	S1	S2	S3	S4	S5	T	CN	RAN	Finalization
DS-41 Extensions								X	March 2000 R99
GLR							X		March 2000 R99
Base Station Testing								X	June 2000 R99
Support of Transcoder in CN		X coordination					X		March 2000 R99
Vocabulary	X^3	X^3	X^3	X^3	X^3	X^3	X^3	X^3	March 2000 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.