

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 | | | March 2000 R99 |
| Location Services (LCS) | X ¹ | X | X ¹ | | | | X | X | |
| MultiCall | X ¹ | X ¹ | | | | | X | | |
| HSCSD | 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 | |
| CAMEL Phase 3 | X ³ | | | | | | X | | March 2000 R99 |
| CBS | | X ¹ | | | | Technical Realization | | X | March 2000 |

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| | | | | | | | | | R99 |
| Advanced Cell Broadcast | Is Stage 1 done? | | | | | Not R99 | | | R00 or later |
| SMS | | | | | | Technical Realization | | | March 2000 R99 |
| MAP Security | | X ¹ | X ¹ | | | | X | | Target March 2000 R99? |
| Enhanced User Confidentiality | | X ¹ | X ¹ | | | | X | | Target March 2000 R99? |
| OSA | X ¹ | X | X Tdoc SP-99592 | | | | X | | Target March 2000 R99? |
| Universal Geographical Area Description (GAD) | | X ³ | | | | | | | March 2000 R99 |
| No Valid Keypset in MS | | | X ¹ | | | | X | | Target March 2000 R99? |
| No Encryption Case | | | Tdoc SP-99620 | | | | X | | March 2000 R99 |
| Authentication Failure message report | | | X ¹ | | | | X | | Target March 2000 R99? |

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| Tandem-Free for AMR | | | | X | | | | | June 2000? R00? |
| Transcoder-Free (out-of-band signaling) | | | | X (CN R99?) | | | X | X? | March 2000 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 |
| 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; | | | | | 32.102, 32.104 | | | | March 2000 R99 |

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| performance measurement parameter issues | | | | | | | | | |
| 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 | Stage 1? | | | | | X | | | Not R99 R00? |
| Layer 3 Segmentation | | | | | | | ->R00 | | R00? |
| Turbocharger | | | | | | | ->R00 | | 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 - | | | | | | X | | | June |

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| TDD | | | | | | | | | 2000 R99 |
| UE Test Specs - Protocols | | | | | | X | | | June 2000 R99 |
| UE Test Specs - ATF | | | | | | 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 Compatibility | | | | | | X | | | March 2000 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 |

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| USIM | | | | | | X | | | March 2000 R99 |
| UICC API | | | | | | X | | | March 2000 R99 |
| UICC Interface Test | | | | | | X | | | June 2000 R99 |
| UICC Test | | | | | | X | | | June 2000 R99 |

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| RAN Performance <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Out-of-synch handling • TDD cell parameter cycling • Parity bit attachment to 0 bit transport block | | | | | | | | X | March 2000 R99 |

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| DS-41 Extensions | | | | | | | | X | March 2000 R99 |
| GLR | | | | | | | X | | March 2000 R99 |
| Base Station Testing | | | | | | | | X | June 2000 R99 |
| Vocabulary | X | | | | | | | | 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

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

For details on TSG-SA issues, see Tdoc SP-99xxx

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-99616