**Source:** **MCC**

**Title:** **Proposal for 3G and SMG Specification Handling**

**Agenda item:** **6.2**

**Document for:**

| | |
|---|---|
| Decision | **x** |
| Discussion | |
| Information | |

Technical Specification Group Services and System Aspects ***TSGS#4(99)267***

Meeting #4, Miami USA, June 1999

**Source: Ian Doig 3GPP support team**

**Action: Decision**

**Title: Proposal for 3G and SMG Specification Handling.**

This document proposes general principles of 3G and ETSI SMG Specification Handling, *the fine detail of the management of the process would need to be developed.*

**Rationale:**

The 3GPP require a full set of 3rd Generation system specifications, based on the GSM Core Network and including many of the existing GSM Services. To realise the system, many of the GSM specifications need to be modified and incorporated into the 3rd Generation System Specifications. For these Specifications to evolve work must be carried out within 3GPP and under the approval responsibility of the TSGs.

Divergence of evolved GSM and 3rd Generation system specifications should be avoided.

Duplication of development work and the creation of almost identical sets of Specifications should be avoided.

In most circumstances, technical corrections to earlier GSM Releases will impact the later 3rd Generation versions of the specification, requiring CRs to all versions.

“Fine tuning” of previous GSM Releases will continue into 2000.

**Proposal:**

To avoid divergence of the 3G and GSM specifications, the responsibility for maintenance (technical corrections) of earlier GSM Releases and the future GSM evolution of those specifications affected should be the prime responsibility of one Technical Body.

To avoid duplication of work, further GSM evolution (GSM R99 onwards) should be incorporated into the 3rd Generation Core Network specifications as GSM specific parts if necessary. Note that the evolution of the GSM Radio access specifications, MS test specifications and BSS test specifications, are for the most part, unaffected by the 3rd Generation evolution.

The way forward:

- TSG WGs and corresponding SMG STCs co-locate meetings as much as possible.
- GSM Specifications modified in any way for the 3rd Generation system are transferred to the 3GPP.
- The 3GPP produce a complete set of 3rd Generation “R99” specifications.
- Prime responsibility for maintenance of all previous releases of the Specifications is transferred

to and carried out by 3GPP TSGs.

- All relevant SMG e-mail lists are advised of all CRs to <R99 specifications prior to TSG approval (if possible and if meeting timing permits).
- SMG approve all modifications (TSG CRs) to earlier releases of the GSM specifications, which are ETSI deliverables, if necessary by correspondence, following the co-located TSG Plenary meetings.
- SMG reviews all modifications (TSG CRs) to R99 and later releases of the 3GPP specifications which impact on GSM, if necessary by correspondence, following approval at the co-located TSG Plenary meetings, and provides comments if necessary back to the TSG meetings.
- All GSM R99 versions of specifications transferred to 3GPP becoming part of the 3rd Generation specifications R99, are deleted. The remaining GSM specifications will continue to be maintained and developed within SMG. The specifications transferred at TSG#3, proposed for future transfer and those which should remain in SMG only are listed in Annex A. The provisional list given in annex A should be further elaborated and reviewed by SMG STCs and TSG WGs in detail. In general, the specifications remaining in SMG include:
    - 05 series GSM Radio Aspects and specifications linked to or directly related the GSM Radio.
    - GSM Security Specifications (to be confirmed)
    - Non-AMR GSM 06 series (the AMR specifications may require specific GSM and 3G handling which will need to be further elaborated by SA3 and SMG11)
    - Most of GSM 11 series (to be confirmed)
- 3rd Generation specifications may contain GSM R99 Specific parts e.g. 29.002.
- The GSM specifications CR database(s) and GSM status lists are maintained.
- Current versions of all Releases <99 and the specifications only relevant for GSM are maintained on the SMG ftp site.
- ETSI SMG approves the 3rd Generation specifications that are released to the Partner Organisations (POs), which are appropriate and necessary to become ETSI deliverables.
- ETSI SMG decide the ETSI deliverable type (EN, TS etc) of the 3rd Generation specifications approved by SMG.
- ETSI SMG provide only a replacement cover, Foreword and History to the 3rd Generation specifications, leaving the 3GPP version number intact.
- SMG provide ETSI Public Enquiry approval procedure comments on 3rd Generation specifications to the appropriate 3GPP TSGs.
- These principles apply after SMG#29 (if SMG#29 and TSG#4 agree) and following GSM R98.

**Annex A**

Specifications and equivalent GSM versions transferred from SMG to the TSGs at TSG#3

| Number | Ver at TSG#3 | GSM No | GSM Ver | Title | planned V3 |
|---|---|---|---|---|---|
| 23.003 | 3.0.0 | 03.03 | 7.0.0 | Numbering, Addressing and Identification | April 99 |
| 23.007 | 3.0.0 | 03.07 | 6.1.0 | Restoration procedures | April 99 |
| 23.008 | 3.0.0 | 03.08 | 7.0.0 | Organisation of subscriber data | April 99 |
| 23.009 | 3.0.0 | 03.09 | 6.0.0 | Handover procedures | April 99 |
| 23.010 | 3.0.0 | 03.10 | 7.0.0 | Public Land Mobile Network (PLMN) Connection Types *(withdraw from TSG list?)* | April 99 |
| 23.011 | 3.0.0 | 03.11 | 6.0.0 | Technical Realization of Supplementary Services - General Aspects | April 99 |
| 23.012 | 3.0.0 | 03.12 | 6.0.0 | Location registration procedures | April 99 |
| 23.014 | 3.0.0 | 03.14 | 7.0.0 | Support of Dual Tone Multi Frequency (DTMF) signalling | April 99 |
| 23.015 | 3.0.0 | 03.15 | 6.0.0 | Technical realisation of Operator Determined Barring (ODB) | April 99 |
| 23.016 | 3.0.0 | 03.16 | 7.0.0 | Subscriber data management - Stage 2 | April 99 |
| 23.018 | 3.0.0 | 03.18 | 7.0.0 | Basic Call Handling - Technical realisation | April 99 |
| 23.022 | 3.0.0 | 03.22 | 7.0.0 | Functions related to Mobile Station (MS) in idle mode | April 99 |
| 23.032 | 3.0.0 | 03.32 | 6.0.0 | Universal Geographical Area Description (GAD) | April 99 |
| 23.034 | 3.0.0 | 03.34 | 6.1.0 =5.2.0 | High Speed Circuit Switched Data (HSCSD) - Stage 2 | April 99 |
| 23.038 | 1.0.0 | 03.38 | 7.1.0 | Alphabets & Language | Oct 99 |
| 23.039 | 1.0.0 | 03.39 | 6.0.0 | Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs) | Oct 99 |
| 23.040 | 1.0.0 | 03.40 | 7.1.0 | Technical realisation of SMS Point to Point | Oct 99 |
| 23.042 | 1.0.0 | 03.42 | 7.1.0 | Compression algorithm for SMS | Oct 99 |
| 23.043 | 3.0.0 | 03.43 | 6.0.0 | Support of Videotext | April 99 |
| 23.044 | 3.0.0 | 03.44 | 6.0.0 | Support of Teletext in a Public Land Mobile Network (PLMN) | April 99 |
| 23.045 | 3.0.0 | 03.45 | 6.0.0 | Technical realisation of facsimile Group 3 service-transparent | April 99 |
| 23.046 | 3.0.0 | 03.46 | 6.0.0 | Technical realisation of facsimile Group 3 service-non-transparent | April 99 |
| 23.054 | 3.0.0 | 03.54 | 6.0.0 | Shared Interworking Functions - Stage 2 | April 99 |
| 23.057 | 1.0.0 | 03.57 | 1.0.2 | Mobile Station Application Execution Environment (MExE); Functional description; Stage 2 | Oct 99 |
| 23.067 | 3.0.0 | 03.67 | 6.0.0 | Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2 | April 99 |
| 23.068 | 3.0.0 | 03.68 | 6.1.0 | Voice Group Call Service (VGCS) - Stage 2 | April 99 |
| 23.069 | 3.0.0 | 03.69 | 6.1.0 | Voice Broadcast service (VBS) - Stage 2 | April 99 |
| 23.070 | 3.0.0 | 03.70 | 6.0.0 | Routing of calls to/from Public Data Networks | April 99 |
| 23.072 | 3.0.0 | 03.72 | 7.0.0 | Call Deflection Supplementary Service - Stage 2 | April 99 |

| | | | | | |
|---|---|---|---|---|---|
| 23.078 | 3.0.0 | 03.78 | 6.3.0 | CAMEL Stage 2 | April 99 |
| 23.079 | 3.0.0 | 03.79 | 7.0.0 | Support of optimal routing - Phase 1 - Stage 2 | April 99 |
| 23.081 | 3.0.0 | 03.81 | 7.0.0 | Line Identification Supplementary Services - Stage 2 | April 99 |
| 23.082 | 3.0.0 | 03.82 | 8.0.0 | Call Forwarding (CF) Supplementary Services - Stage 2 | April 99 |
| 23.083 | 3.0.0 | 03.83 | 6.0.0 | Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 2 | April 99 |
| 23.084 | 3.0.0 | 03.84 | 6.0.0 | MultiParty (MPTY) Supplementary Service - Stage 2 | April 99 |
| 23.085 | 3.0.0 | 03.85 | 6.0.0 | Closed User Group (CUG) Supplementary Service - Stage 2 | April 99 |
| 23.086 | 3.0.0 | 03.86 | 6.0.0 | Advice of Charge (AoC) Supplementary Service - Stage 2 | April 99 |
| 23.087 | 3.0.0 | 03.87 | 7.0.0 | User-to-User Signalling (UUS) - Stage 2 | April 99 |
| 23.088 | 3.0.0 | 03.88 | 6.0.0 | Call Barring (CB) Supplementary Service - Stage 2 | April 99 |
| 23.090 | 3.0.0 | 03.90 | 6.0.0 | Unstructured Supplementary Service Data (USSD) - Stage 2 | April 99 |
| 23.091 | 3.0.0 | 03.91 | 6.0.0 | Explicit Call Transfer (ECT) Supplementary Service - Stage 2 | April 99 |
| 23.093 | 3.0.0 | 03.93 | 6.2.0 | Call Completion to Busy Subscriber (CCBS) - Stage 2 | April 99 |
| 23.096 | 3.0.0 | 03.96 | 6.0.1 | Name Identification Supplementary Service - Stage 2 | April 99 |
| 24.008 | N/A | 04.08 | 8.0.0 | Mobile Radio Interface Layer 3 specification (CC/MM) | April 99 |
| 24.010 | 3.0.0 | 04.10 | 7.0.0 | Mobile Radio Interface Layer 3 - Supplementary Services Specification – General Aspects | April 99 |
| 24.022 | 3.0.0 | 04.22 | 7.0.0 | Radio Link Protocol (RLP) for Data and Telematic Services on the (MS-BSS) Interface and the Base Station System - Mobile-services Switching Centre (BSS-MSC) Interface | April 99 |
| 24.065 | 3.0.0 | 04.65 | 6.3.0 | Mobile Station (MS) – Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDCP) | April 99 |
| 24.067 | 3.0.0 | 04.67 | 6.0.0 | Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3 | April 99 |
| 24.068 | 3.0.0 | 04.68 | 6.1.0 =5.2.0 | Group Call Control (GCC) Protocol | April 99 |
| 24.069 | 3.0.0 | 04.69 | 6.1.0 =5.2.0 | Broadcast Call Control (BCC) Protocol - Stage 3 | April 99 |
| 24.072 | 3.0.0 | 04.72 | 7.0.0 | Call Deflection Supplementary Service - Stage 3 | April 99 |
| 24.080 | 3.0.0 | 04.80 | 7.0.0 | Mobile radio Layer 3 Supplementary Service specification - Formats and coding | April 99 |
| 24.081 | 3.0.0 | 04.81 | 6.0.0 | Line Identification Supplementary Service - Stage 3 | April 99 |
| 24.082 | 3.0.0 | 04.82 | 7.0.0 | Call Forwarding Supplementary Service - Stage 3 | April 99 |
| 24.083 | 3.0.0 | 04.83 | 6.0.0 | Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 3 | April 99 |
| 24.084 | 3.0.0 | 04.84 | 6.0.0 | MultiParty (MPTY) Supplementary Service - Stage 3 | April 99 |
| 24.085 | 3.0.0 | 04.85 | 6.0.0 | Closed User Group (CUG) Supplementary Service - Stage 3 | April 99 |

| | | | | | |
|---|---|---|---|---|---|
| 24.086 | 3.0.0 | 04.86 | 6.0.0 | Advice of Charge (AoC) Supplementary Service - Stage 3 | April 99 |
| 24.087 | 3.0.0 | 04.87 | 7.0.0 | User-to-User Signalling (UUS) - Stage 3 | April 99 |
| 24.088 | 3.0.0 | 04.88 | 6.0.1 | Call Barring (CB) Supplementary Service - Stage 3 | April 99 |
| 24.090 | 3.0.0 | 04.90 | 6.0.0 | Unstructured Supplementary Service Data (USSD) - Stage 3 | April 99 |
| 24.091 | 3.0.0 | 04.91 | 6.0.0 | Explicit Call Transfer (ECT) Supllementary Service - Stage 3 | April 99 |
| 24.093 | 3.0.0 | 04.93 | 6.1.1 | Call Completion to Busy Subscriber (CCBS) - Stage 3 | April 99 |
| 24.096 | 3.0.0 | 04.96 | 6.0.1 | Name Identification Supplementary Service - Stage 3 | April 99 |
| 26.071 | 1.0.0 | 06.71 | 7.0.0 | AMR speech Codec; General description | June 99 |
| 26.073 | 0.1.0 | 06.73 | 7.0.0 | AMR speech Codec; C-source code | June 99 |
| 26.074 | 0.0.0 | 06.74 | 2.0.0 | AMR speech Codec; Test sequences | June 99 |
| 26.090 | 1.0.0 | 06.90 | 7.0.0 | AMR speech Codec; Transcoding Functions | June 99 |
| 26.091 | 1.0.0 | 06.91 | 7.0.0 | AMR speech Codec; Error concealment of lost frames | June 99 |
| 26.092 | 1.0.0 | 06.92 | 7.0.0 | AMR speech Codec; comfort noise | June 99 |
| 26.094 | 0.1.0 | 06.94 | 7.0.0 | AMR Speech Codec Voice Activity Detector | June 99 |
| 27.001 | 3.0.0 | 07.01 | 7.1.0 | General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS) | April 99 |
| 27.002 | 3.0.0 | 07.02 | 7.0.0 | Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities | April 99 |
| 27.003 | 3.0.0 | 07.03 | 6.0.0 | Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities | April 99 |
| 27.005 | 1.0.0 | 07.05 | 7.0.0 | Use of Data Terminal Equipment Data Circuit terminating Equipment (DTE - DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS) | Oct 99 |
| 27.007 | 1.0.0 | 07.07 | 7.2.0 | AT command set for 3G User Equipment (UE) | Oct 99 |
| 27.010 | 1.0.0 | 07.10 | 6.3.0 | Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE) | Oct 99 |
| 27.060 | 3.0.0 | 07.60 | 6.2.1 | GPRS Mobile Stations supporting GPRS | April 99 |
| 28.020 | 3.0.0 | 08.20 | 7.0.0 | Rate Adaptation on the BSS-MSC Interface | April 99 |
| 29.002 | 3.0.0 | 09.02 | 7.0.0 | Mobile Application Part (MAP) | April 99 |
| 29.004 | 3.0.0 | 09.04 | 6.0.0 | Interworking between the PLMN and the CSPDN | April 99 |
| 29.005 | 3.0.0 | 09.05 | 6.0.0 | Interworking between the PLMN and the PSPDN | April 99 |
| 29.006 | 3.0.0 | 09.06 | 6.0.0 | Interworking between a PLMN and the ISDN or PSTN for support of Packet Switched data transmission services | April 99 |
| 29.007 | 3.0.0 | 09.07 | 7.1.0 | General requirements on Interworking between the PLMN and the ISDN or PSTN | April 99 |
| 29.011 | 3.0.0 | 09.11 | 7.0.0 | Signalling Interworking for Supplementary Services | April 99 |
| 29.016 | 3.0.0 | 09.16 | 7.0.0 | Serving GPRS Support node SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification | April 99 |

| | | | | | |
|---|---|---|---|---|---|
| 29.018 | 3.0.0 | 09.18 | 6.3.0 | Serving GPRS Support node SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification | April 99 |
| 29.060 | 3.0.0 | 09.60 | 7.0.0 | GPRS Tunnelling protocol (GTP) across the Gn and Gp interface | April 99 |
| 29.061 | 3.0.0 | 09.61 | 7.0.0 | Interworking between the PLMN supporting GPRS and Packet Data Networks (PDN) | April 99 |

Specifications for possible transfer from SMG to the TSGs at TSG#4

Abbreviations:

Tbt - to be transferred

\- - no SMG 1, SMG3/CN recommendation, to be confirmed by relevant groups.

Ntbt - not to be transferred.

| **Possible 3G Number** | **GSM No** | **Ver at SMG # 28** | **Title** | |
|---|---|---|---|---|
| *22.002* | 02.02 | 7.0.0 | Bearer Services Supported by a GSM PLMN | Tbt |
| *22.004* | 02.04 | 8.0.0 | General on Supplementary Services | Tbt |
| *22.011* | 02.11 | 7.0.0 | Service accessibility | Tbt |
| *22.016* | 02.16 | 6.0.0 | ME identity | Tbt |
| *22.019* | 02.19 | 7.0.0 | SIM API | - |
| *22.022* | 02.22 | 6.0.0 | Personalisation of the ME | Tbt |
| *22.024* | 02.24 | 6.0.0 | Advice of Charge | Tbt |
| *22.030* | 02.30 | 8.0.0 | Man-Machine Interface | Tbt |
| *22.034* | 02.34 | 8.0.0 | HSCSD1 (Stage2 moved to TSG CN) | Tbt?? |
| *22.041* | 02.41 | 6.0.0 | Operator Determined Call Barring Stage 1 | Tbt |
| *22.042* | 02.42 | 6.0.0 | Network Identity and Time Zone (NITZ), stage 1 | Tbt |
| *22.043* | 02.43 | 7.0.0 | SoLSA Stage 1 | - |
| *22.048* | 02.48 | 6.0.0 | Tool Kit Security Stage1 | - |
| *22.053* | 02.53 | 7.0.0 | TFO | Tbt |
| *22.057* | 02.57 | 7.0.0 | Mobile Station Application Execution Environment (MExE); Stage 1 | Tbt |
| *22.060* | 02.60 | 8.0.0 | GPRS Stage 1 | Tbt |
| *22.066* | 02.66 | 7.0.0 | Support of Mobile Number Portability (MNP); Stage 1 | Tbt |
| *22.067* | 02.67 | 6.0.0 | EMLPP Priority Set-up Service(PSUS); Stage 1(ASCI spec) | Tbt |
| *22.068* | 02.68 | 7.0.0 | Voice Group Call Service (VGCS); Stage 1 (Stage2 moved to TSG CN) | Tbt?? |
| *22.069* | 02.69 | 7.0.0 | Voice Broadcast Service (VBS); Stage 1 (Stage2 moved to TSG CN) | Tbt?? |
| *22.071* | 02.71 | 0.0.0 | Location Services (LCS); Stage 1 (T1P1) | Tbt |
| *22.072* | 02.72 | 7.2.0 | Call Deflection (CD); Stage 1 | Tbt |
| *22.078* | 02.78 | 6.2.0 | CAMEL Ph2 Stage 1 | Tbt |
| *22.079* | 02.79 | 6.1.0 | Support of Optimal Routing; Stage 1 | Tbt |
| *22.081* | 02.81 | 6.0.0 | Line Identity SS; Stage 1 | Tbt |
| *22.082* | 02.82 | 8.0.0 | Call Offering SS; Stage 1 | Tbt |
| *22.083* | 02.83 | 6.0.0 | Call Completion SS; Stage 1 | Tbt |
| *22.084* | 02.84 | 6.0.0 | MultiParty SS; Stage 1 | Tbt |
| *22.085* | 02.85 | 6.0.0 | Closed User Group SS; Stage 1 | Tbt |
| *22.086* | 02.86 | 6.0.0 | Advice of Charge SS; Stage 1 | Tbt |
| *22.087* | 02.87 | 7.1.0 | User to User Signalling; Stage 1 | Tbt |

| | | | | |
|---|---|---|---|---|
| *22.088* | 02.88 | 6.0.0 | Call Barring SS; Stage 1 | Tbt |
| *22.090* | 02.90 | 8.0.0 | USSD stage 1; Stage 1 | Tbt |
| *22.091* | 02.91 | 6.0.0 | ECT stage 1; Stage 1 | Tbt |
| *22.093* | 02.93 | 6.0.1 | CCBS stage 1; Stage 1 | Tbt |
| *22.094* | 02.94 | 0.0.0 | Follow Me Stage 1 | - |
| *22.096* | 02.96 | 6.0.1 | Calling Name Presentation (CNAP); Stage 1 (T1P1) | Tbt |
| *22.097* | 02.97 | 7.0.0 | Multiple Subscriber Profile (MSP); Stage 1 | Tbt |
| *23.019* | 03.19 | 1.0.0 | SIM API (Java) | - |
| *23.041* | 03.41 | 7.0.0 | Tech realisation of SMSCB | - |
| *23.048* | 03.48 | 7.0.0 | Tool Kit Security Stage 2 | - |
| *23.053* | 03.53 | 7.0.0 | TFO Stage 2 | - |
| *23.060* | 03.60 | 7.0.0 | GPRS Stage 2 Note on responsibility split: Architecture with SMG12/TSG_S2.detailed stage 2 with TSG_CN1/2/3 | Tbt |
| *23.066* | 03.66 | 7.0.0 | Mobile NP Stage 2 | Tbt |
| *23.071* | 03.71 | 0.0.0 | Location Services LCS Stage 2 | - |
| *23.073* | 03.73 | 7.0.0 | SoLSA Stage 2 | Tbt |
| *23.094* | 03.94 | 0.0.0 | Follow Me Stage 2 | Tbt |
| *23.097* | 03.97 | 7.0.0 | MSP stage2 Phase1 | Tbt |
| *24.007* | 04.07 | 7.0.0 | Mob Radio int sig L3 Gen | Tbt |
| *24.071* | 04.71 | 0.0.0 | Location Services LCS Stage 3 | Tbt |
| *27.057* | 07.57 | 0.0.0 | MExE Stage 3 | - |
| *28.062* | 08.62 | 7.0.0 | TFO Stage 3 | - |
| *29.013* | 09.13 | 6.0.0 | Sig I/W ASE and MAP | Tbt |
| *29.061* | 09.61 | 7.0.0 | GPRS PDN | Tbt |
| *29.078* | 09.78 | 6.3.0 | CAMEL Stage 3 | Tbt |
| *31.014* | 11.14 | 7.2.0 | SIM app Tool kit | - |
| *32.005* | 12.05 | 7.0.0 | Event & call data | Tbt |
| *32.015* | 12.15 | 7.1.0 | GPRS charging | Tbt |

Specifications which are unlikely to be transferred to the TSGs

| Number | GSM Ver | Title | |
|---|---|---|---|
| 01.31 | 7.0.1 | Fraud Info Gat FIGS Stg 0 | - |
| 01.33 | 7.0.0 | Lawful Interception requirements | - |
| 01.56 | 1.0.0 | CTS Sec algo requirements | - |
| 02.01 | 8.0.0 | Telecomm Services | Ntbt |
| 02.03 | 6.0.0 | Tele Services in GSM | Ntbt |
| 02.06 | 6.1.0 | Types of MS | Ntbt |
| 02.07 | 7.0.0 | MS features | Ntbt |
| 02.09 | 6.0.0 | Security aspects | - |
| 02.17 | 7.1.0 | SIM characteristics | Ntbt |
| 02.31 | 7.1.0 | Fraud Info Gathering FIGS Stage 1 | - |
| 02.32 | 7.1.0 | IST Stage 1 | - |
| 02.33 | 7.2.0 | Lawful intercept Stage 1 | - |
| 02.40 | 7.0.0 | Call Progress indicators | Ntbt |
| 02.56 | 7.1.0 | CTS Stage 1 | Ntbt |
| 02.63 | 6.0.0 | PDS Stage 1 | Ntbt |
| 02.95 | 6.0.0 | Support of Private Numbering Plan (SPNP); Stage 1 (Note: not to be maintained after rel 98). | NTbt?? |
| 03.04 | 6.0.0 | Signalling requirements of calls to MS (to be withdrawn in general for Rel'98/97/96) | Ntbt |
| 03.05 | 6.0.0 | Tech performance objectives | - |
| 03.20 | 7.0.0 | Security Net Functions | - |
| 03.26 | 6.0.0 | Multiband by 1 operator | - |
| 03.30 | 6.0.1 | Radio Net Planning Aspects | - |
| 03.31 | 7.0.0 | Fraud Info Gathering FIGS Stage 2 | - |
| 03.33 | 7.0.0 | Lawful intercept Stage 2 | - |
| 03.35 | 7.0.0 | Immediate Service Term (IST) Stage 2 | - |
| 03.52 | 7.0.0 | CTS Stage 2 Lower Layer | - |
| 03.56 | 7.0.0 | CTS Stage 2 | - |
| 03.58 | 6.0.1 | Handsfree MS test | - |
| 03.63 | 6.0.0 | PDS Stage 2 | - |
| 04.01 | 6.0.0 | MS-BSS inter Gen & prcpl | - |
| 04.03 | 6.0.0 | MS-BSS Interface Ch Acc cap | - |
| 04.04 | 6.0.0 | Layer 1 Gen requirements | - |
| 04.05 | 6.0.0 | DL Layer Gen aspects | - |
| 04.06 | 6.0.0 | MS-BSS DL Layer | - |
| 04.11 | 6.0.1 | Mob Radio Int SMS PtP | - |
| 04.12 | 6.0.0 | Mob Radio Int SMSCB | - |
| 04.13 | 6.0.0 | Performance requirements on the Mobile radio interface | - |
| 04.14 | 6.0.0 | Individual MS Test Requirements | - |
| 04.21 | 7.0.1 | Rate Adpt MS-BSS (category as 08.20 decision with CN3) | ?? |
| 04.33 | 0.0.0 | Lawful intercept Stage 3 | - |
| 04.56 | 7.0.0 | CTS Radio int Layer 3 | - |
| 04.57 | 7.0.0 | CTS supervising system Layer 3 | - |

| | | | |
|---|---|---|---|
| 04.63 | 6.0.0 | PDS Stage 3 | Ntbt |
| 05.01 | 7.0.0 | Physical layer on radio | - |
| 05.02 | 7.0.0 | Multiplex & Multiple Access | - |
| 05.03 | 7.0.1 | Channel Coding | - |
| 05.05 | 7.0.0 | Radio Tx and RX | - |
| 05.08 | 7.0.0 | Radio subsystem link Cntrl | - |
| 05.09 | 7.0.0 | Link adaptation | - |
| 05.10 | 7.0.0 | Radio subsystem sync | - |
| 05.50 | 7.0.0 | Background RF | - |
| 05.56 | 7.0.1 | CTS-FP Radio Sub system | - |
| 06.01 | 7.0.0 | FR speech proc descript | - |
| 06.02 | 7.0.0 | HR speech proc descript | - |
| 06.06 | 6.0.0 | HR C-source code | - |
| 06.07 | 6.0.0 | HR Test sequences | - |
| 06.08 | 6.0.0 | HR performance characteristics | - |
| 06.10 | 7.0.0 | FR speech transcoding | - |
| 06.11 | 6.0.0 | FR substitution & muting | - |
| 06.12 | 6.0.0 | FR comfort noise | - |
| 06.20 | 6.0.0 | HR speech transcoding | - |
| 06.21 | 6.0.0 | HR substitution & muting | - |
| 06.22 | 6.0.0 | HR comfort noise | - |
| 06.31 | 6.0.0 | FR DTX | - |
| 06.32 | 6.0.0 | Voice Activity Detector | - |
| 06.41 | 6.0.0 | HR DTX | - |
| 06.42 | 6.0.0 | HR Voice Activity Detector | - |
| 06.51 | 7.0.0 | EFR speech proc description | - |
| 06.53 | 6.0.0 | EFR C-source code | - |
| 06.54 | 6.0.0 | EFR Test sequences | - |
| 06.55 | 6.0.0 | EFR performance characteristics | - |
| 06.60 | 7.0.0 | EFR speech transcoding | - |
| 06.61 | 6.0.0 | EFR substitute & muting | - |
| 06.62 | 6.0.0 | EFR comfort noise | - |
| 06.81 | 6.0.0 | EFR DTX | - |
| 06.82 | 6.0.0 | EFR Voice Activity Detector | - |
| 06.85 | 6.0.0 | FR/HR/EFR speech interoperability | - |
| 08.01 | 6.0.0 | BSS-MSC Interface General | - |
| 08.02 | 6.0.0 | BSS-MSC Interface Principles | - |
| 08.04 | 7.0.0 | BSS-MSC Interface L1 | - |
| 08.06 | 7.0.0 | Sig trans BSS-MSC Inter | - |
| 08.08 | 7.1.0 | MSC-BSS Interface L3 | - |
| 08.14 | 7.0.0 | GPRS BSSGP L1 | - |
| 08.16 | 7.0.0 | GPRS BSSGP L2 | - |
| 08.18 | 6.3.0 | GPRS BSSGP L3 | - |
| 08.51 | 6.0.0 | BSC-BTS Interface General | - |
| 08.52 | 6.0.0 | BSC-BTS Interface Principles | - |
| 08.54 | 6.0.0 | BSC-BTS Interface L1 | - |

| | | | |
|---|---|---|---|
| 08.56 | 6.0.0 | BSC-BTS Interface L2 | - |
| 08.58 | 7.0.0 | BSC-BTS Interface L3 | - |
| 08.60 | 6.0.0 | Inbnd cntl Tcoder & RA | - |
| 08.61 | 6.0.0 | HR Ibd cntl Tcoder & RA | - |
| 09.01 | 6.0.0 | Gen Network IW scenarios | - |
| 09.08 | 6.0.0 | BSSAP on E-Interface (potentially depending on HO analysis; ffs) | ?? |
| 09.12 | 4.2.1 | ISUP v2 for ISDN-PLMN | Ntbt |
| 09.14 | 4.3.0 | ISUP v3 for ISDN-PLMN | Ntbt |
| 09.90 | 6.0.0 | IW Ph1 infrastructure & Ph2 MS | - |
| 09.91 | 6.0.0 | IW SIM/ME Int Ph1 & Ph2 | - |
| 09.94 | 6.0.0 | Phase 1 MS faults | - |
| 11.10-1 | 6.0.0 | MS Conformance (GPRS) | - |
| 11.10-2 | 4.15.0 | MS Conformance PICS | - |
| 11.10-3 | 5.0.0 | MS Conformance TTCN | - |
| 11.11 | 7.2.0 | SIM ME interface | Ntbt |
| 11.12 | 5.0.0 | 3V SIM-ME | Ntbt |
| 11.17 | 1.0.0 | SIM Conformance test specification | - |
| 11.18 | 1.0.0 | 1.8V SIM-ME | Ntbt |
| 11.19 | 1.0.0 | CTS SIM Fixed Part | - |
| 11.21 | 6.0.0 | BSS Radio aspects | - |
| 11.23 | 4.6.1 | BTS Sig Aspects | - |
| 11.26 | 5.2.1 | GSM Repeaters | - |
| 12.00 | 4.6.0 | Objectives & structure of NM | - |
| 12.01 | 4.4.1 | NM aspects GSM/DCS 1800 | - |
| 12.02 | 6.0.0 | Sub, ME & ser data admin | - |
| 12.03 | 7.0.0 | Security management | - |
| 12.04 | 4.3.1 | Performance data measurements | - |
| 12.08 | 6.0.0 | Sub and equip trace | - |
| 12.11 | 6.2.0 | Fault management of BSS | |
| 12.20 | 4.2.1 | BSS Management Info | - |
| 12.21 | 6.0.0 | NM proc & A-bis Interface | - |
| 12.22 | 4.1.4 | IW of NM proc & BSC | - |
| 12.30 | 4.2.0 | GDMO registration | - |