

**Source:** Ian Doig  
**Title:** 3GPP Support team Specification related activities report  
**Document for:** Decision  
**Agenda Item:**

This document gives a brief overview of the 3GPP support team Specification related activities.

## **1 General**

The report of the 3GPP support team is presented in two parts. Mr Adrian Scrase will cover the 3GPP support resource and man management aspects in his report. This report addresses only the 3GPP Specification related activities of the support team during the period between TSG#3 and TSG#4.

The details of the individual 3GPP support work is also given in the TSGs Working Group status reports.

Since the last meeting of the TSGs in Yokohama the support team has provided technical expert Secretary and document handling support for around 30 3GPP TSG Working Group (WG) meetings and a TSG CN#4 meeting. Note that document handling includes, reporting, Tdoc handling, preparation of Working Group specifications, editing of approved specifications under WG responsibility, WG Change Requests (CRs), WG Liaisons, meeting reports, cross WG co-ordination etc.

With the limited resources available, the number of meetings held, the support experts have been providing support to more Working Groups than would normally be possible, especially once more specifications come under change control. In future the WG Chairmen are requested, where possible, to avoid holding meetings which require support immediately prior to and immediately following TSG meetings. This is the period when the support team is expected to produce and check WG approved CRs and then implement them after TSG approval, producing clean updated versions. This is in accordance with the priority guidelines agreed by the TSGs.

***Action: TSGs to remind WG Chairmen to avoid meetings requiring support immediately prior to and immediately following TSG meetings***

## **2 Specifications**

The Specifications directory area was established shortly after TSG#3 at [http://www.3gpp.org/status\\_list.htm](http://www.3gpp.org/status_list.htm), unfortunately, it still does not contain a complete set of specifications as given in the April 99 status list with 159 specifications available out of the 198 listed. The Editors and rapporteurs of the specifications are once again requested to forward the versions of the Specifications and Reports given in the June 99 status list following this meeting to the support team.

***Action: TSGs to re-confirm the requirement for versions of Specifications and Reports listed in the TSG SA status list to be supplied to the Support team.***

Due to lack of resources the support team has not been able to completely edit the conversion of existing GSM specifications to 3G Specifications. The Specifications in the April 99 Release directory have, in most cases, had only minimal editing with just 3G covers pages, new foreword and 3G specification numbering added.

The particular versions of the existing GSM specifications converted to 3G specifications have been recorded and are given in annex A of this report.

The Specifications in the April 99 Release directory with a version **3.x.y** are the latest approved versions and should be used to create CRs. CRs written to previous versions, risk rejection by the TSG, may result in incorrect implementation of the CR and cause additional work and delay.

The Specifications in the “mmmm YY Release” Directory, are not necessarily the latest draft versions as the WGs may continue to develop versions <**3.0.0** without approval at TSG level. It is therefore suggested that another Directory should be created where the latest drafts may be located. This Directory will be updated with the latest draft specifications <3.0.0 as soon as they become available. It should be noted that this service will only be successful if the WGs and editors make the drafts available and pass them to the support team.

Should a draft be approved by correspondence between TSG meetings and the version raised to 3.0.0, the approved version would also be made available in this latest draft Directory. TSG RAN approved a number of specifications in this manner following RAN#3, however as these approved versions of specifications were not part of the April 99 release, the April 99 release directory was not updated with these latest versions.

***Action: TSG SA to decide if a “latest draft” ftp Directory is required.***

It should be noted that all existing GSM specifications reproduced as 3G specifications shall be placed under TSG change control (new 3G version 3.0.0) this means that the traceability of changes is maintained.

Some errors due to Word Processor conversions (see section 4), automatic numbering, referencing and incorrect versions being passed to the support team have been noted. However, it is hoped that following this meeting the June 99 Release Directory will contain corrected versions.

### **3 Other activities**

The 3GPP WEB site now contains the Status list as approved at TSG#3 with links from the Specification number, enabling the download of the zipped Word file.

A 3G CR database has now been produced and it is intended to make a complete list of CRs presented to each TSG available after each TSG SA meeting. A CR list will also be available to TSG RAN, CN and T which will list only the CRs to specifications under their responsibility.

A 3G CR form has now been produced and is available from the 3GPP site under information. Note that only the 3GPP support team may allocate CR numbers.

A consistent 3G Work Item Description form is urgently required and it is hoped that one can be produced in consultation with SA2 before TSG#5.

The 3GPP work program management database (based on the ETSI WPM) with associated WWW queries is at present being developed to cater for 3G Specifications Reports and work packages. This will in future permit detailed web reports on 3G work areas. This application may also provide a useful tool for SA2 in the detailed work program management and the production of a 3G work program “Road Map”.

The 3GPP WEB site was also updated with the contact details of the TSGs and TSG WG Chairmen ([http://www.3gpp.org/contacts\\_list.htm](http://www.3gpp.org/contacts_list.htm)) please advise the support team if any of the details are incorrect. A TSG contact point for information and Liaisons has also been added (TSG Secretary).

A 3GPP Meeting Registration via the WWW is being developed and trials are expected to start shortly.

An automatic meeting document numbering application is available via the WWW for 3GPP meetings, unfortunately at this time operation is restricted to those with an ETSI allocated user ID and password.

Electronic support and electronic meeting methods are still under study, with the possibility of using fixed

or wireless LANs, Flash memory cards, or CDs being investigated by Maurice Pope the Support team IT coordinator. The Size and location of the meeting affects the optimal solution.

The support team has provided a contact point and information centre for general and specific enquiries World wide regarding 3GPP specifications and work.

#### **4 Areas of concern**

The TSGs should be aware of the additional burden to the support team of producing CRs to multiple releases, at present a single change to a GSM Release 96 specification can result in a CR to the equivalent GSM Release 97, GSM Release 98, (GSM Release 99?) and 3G specification.

As the Support Team are responsible for the implementation of CRs (in most cases to both GSM and 3G equivalent specifications) It is of the utmost importance to know where the approval authority for CRs lay. The Maintenance of previous GSM releases of specifications transferred to 3GPP poses an immediate problem and it is hoped that the TSGs and ETSI SMG will soon resolve this.

3GPP team has produced a proposal to SA and ETSI TC SMG to resolve some of the specification handling issues. (See SA Tdoc).

Differing Word processor packages continues to cause problems. Prior to the initial start up of 3GPP the Partner Organisations felt that the Word version in Office 97 should be the minimum package as earlier versions of Word were no longer available to some regions.

***Action: TSG SA to decide if Office 97 Word versions should be recommended/mandated for Specifications work.***

## Annex A

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

Number	Ver at #TSG#3	GSM No	GSM Ver	Title
23.003	3.0.0	03.03	7.0.0	Numbering, Addressing and Identification
23.007	3.0.0	03.07	6.1.0	Restoration procedures
23.008	3.0.0	03.08	7.0.0	Organisation of subscriber data
23.009	3.0.0	03.09	6.0.0	Handover procedures
23.010	3.0.0	03.10	7.0.0	Public Land Mobile Network (PLMN) Connection Types
23.011	3.0.0	03.11	6.0.0	Technical Realization of Supplementary Services - General Aspects
23.012	3.0.0	03.12	6.0.0	Location registration procedures
23.014	3.0.0	03.14	7.0.0	Support of Dual Tone Multi Frequency (DTMF) signalling
23.015	3.0.0	03.15	6.0.0	Technical realisation of Operator Determined Barring (ODB)
23.016	3.0.0	03.16	7.0.0	Subscriber data management - Stage 2
23.018	3.0.0	03.18	7.0.0	Basic Call Handling - Technical realisation
23.022	3.0.0	03.22	7.0.0	Functions related to Mobile Station (MS) in idle mode
23.032	3.0.0	03.32	6.0.0	Universal Geographical Area Description (GAD)
23.034	3.0.0	03.34	6.1.0=5.2.0	High Speed Circuit Switched Data (HSCSD) - Stage 2
23.038	1.0.0	03.38	7.1.0	Alphabets & Language
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)
23.040	1.0.0	03.40	7.1.0	Technical realisation of SMS Point to Point
23.042	1.0.0	03.42	7.1.0	Compression algorithm for SMS
23.043	3.0.0	03.43	6.0.0	Support of Videotext
23.044	3.0.0	03.44	6.0.0	Support of Teletext in a Public Land Mobile Network (PLMN)
23.045	3.0.0	03.45	6.0.0	Technical realisation of facsimile Group 3 service- transparent
23.046	3.0.0	03.46	6.0.0	Technical realisation of facsimile Group 3 service- non-transparent
23.054	3.0.0	03.54	6.0.0	Shared Interworking Functions - Stage 2
23.057	1.0.0	03.57	1.0.2	Mobile Station Application Execution Environment (MExE); Functional description; Stage 2
23.067	3.0.0	03.67	6.0.0	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2
23.068	3.0.0	03.68	6.1.0	Voice Group Call Service (VGCS) - Stage 2
23.069	3.0.0	03.69	6.1.0	Voice Broadcast service (VBS) - Stage 2
23.070	3.0.0	03.70	6.0.0	Routing of calls to/from Public Data Networks
23.072	3.0.0	03.72	7.0.0	Call Deflection Supplementary Service - Stage 2
23.078	3.0.0	03.78	7.0.0	CAMEL Stage 2
23.079	3.0.0	03.79	7.0.0	Support of optical routing - Phase 1 - Stage 2
23.081	3.0.0	03.81	7.0.0	Line Identification Supplementary Services - Stage 2
23.082	3.0.0	03.82	8.0.0	Call Forwarding (CF) Supplementary Services - Stage 2
23.083	3.0.0	03.83	6.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 2
23.084	3.0.0	03.84	6.0.0	MultiParty (MPPTY) Supplementary Service - Stage 2
23.085	3.0.0	03.85	6.0.0	Closed User Group (CUG) Supplementary Service - Stage 2
23.086	3.0.0	03.86	6.0.0	Advice of Charge (AoC) Supplementary Service - Stage 2
23.087	3.0.0	03.87	7.0.0	User-to-User Signalling (UUS) - Stage 2
23.088	3.0.0	03.88	6.0.0	Call Barring (CB) Supplementary Service - Stage 2
23.090	3.0.0	03.90	6.0.0	Unstructured Supplementary Service Data (USSD) - Stage 2
23.091	3.0.0	03.91	6.0.0	Explicit Call Transfer (ECT) Supplementary Service - Stage 2
23.093	3.0.0	03.93	6.2.0	Call Completion to Busy Subscriber (CCBS) - Stage 2
23.096	3.0.0	03.96	6.0.1	Name Identification Supplementary Service - Stage 2
24.008	N/A	04.08	8.0.0	Mobile Radio Interface Layer 3 specification (CC/MM)
24.010	3.0.0	04.10	7.0.0	Mobile Radio Interface Layer 3 - Supplementary Services Specification - General Aspects
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
24.065	3.0.0	04.65	6.3.0	Mobile Station (MS) - Serving GPRS Support Node (SGSN); Subnetwork Dependent Convergence Protocol (SNDPCP)
24.067	3.0.0	04.67	6.0.0	Enhanced Multi-Level Precedence and Pre-emption service (eMLPP) - Stage 3
24.068	3.0.0	04.68	6.1.0=5.2.0	Group Call Control (GCC) Protocol

24.069	3.0.0	04.69	6.1.0=5.2.0	Broadcast Call Control (BCC) Protocol - Stage 3
24.072	3.0.0	04.72	7.0.0	Call Deflection Supplementary Service - Stage 3
24.080	3.0.0	04.80	7.0.0	Mobile radio Layer 3 Supplementary Service specification - Formats and coding
24.081	3.0.0	04.81	6.0.0	Line Identification Supplementary Service - Stage 3
24.082	3.0.0	04.82	7.0.0	Call Forwarding Supplementary Service - Stage 3
24.083	3.0.0	04.83	6.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Service - Stage 3
24.084	3.0.0	04.84	6.0.0	MultiParty (MPTY) Supplementary Service - Stage 3
24.085	3.0.0	04.85	6.0.0	Closed User Group (CUG) Supplementary Service - Stage 3
24.086	3.0.0	04.86	6.0.0	Advice of Charge (AoC) Supplementary Service - Stage 3
24.087	3.0.0	04.87	7.0.0	User-to-User Signalling (UUS) - Stage 3
24.088	3.0.0	04.88	6.0.1	Call Barring (CB) Supplementary Service - Stage 3
24.090	3.0.0	04.90	6.0.0	Unstructured Supplementary Service Data (USSD) - Stage 3
24.091	3.0.0	04.91	6.0.0	Explicit Call Transfer (ECT) Supplementary Service - Stage 3
24.093	3.0.0	04.93	6.1.1	Call Completion to Busy Subscriber (CCBS) - Stage 3
24.096	3.0.0	04.96	6.0.1	Name Identification Supplementary Service - Stage 3
26.071	1.0.0	06.71	7.0.0	AMR speech Codec; General description
26.073	0.1.0	06.73	7.0.0	AMR speech Codec; C-source code
26.074	0.0.0	06.74	2.0.0	AMR speech Codec; Test sequences
26.090	1.0.0	06.90	7.0.0	AMR speech Codec; Transcoding Functions
26.091	1.0.0	06.91	7.0.0	AMR speech Codec; Error concealment of lost frames
26.092	1.0.0	06.92	7.0.0	AMR speech Codec; comfort noise
26.094	0.1.0	06.94	7.0.0	AMR Speech Codec Voice Activity Detector
27.001	3.0.0	07.01	7.1.0	General on Terminal Adaptation Functions (TAF) for Mobile Stations (MS)
27.002	3.0.0	07.02	7.0.0	Terminal Adaptation Functions (TAF) for services using Asynchronous bearer capabilities
27.003	3.0.0	07.03	6.0.0	Terminal Adaptation Functions (TAF) for services using Synchronous bearer capabilities
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)
27.007	1.0.0	07.07	7.2.0	AT command set for 3G User Equipment (UE)
27.010	1.0.0	07.10	6.3.0	Terminal Equipment to User Equipment (TE-UE) multiplexer protocol User Equipment (UE)
27.060	3.0.0	07.60	6.2.1	GPRS Mobile Stations supporting GPRS
28.020	3.0.0	08.20	7.0.0	Rate Adaptation on the BSS-MSC Interface
29.002	3.0.0	09.02	7.0.0	Mobile Application Part (MAP)
29.004	3.0.0	09.04	6.0.0	Interworking between the PLMN and the CSPDN
29.005	3.0.0	09.05	6.0.0	Interworking between the PLMN and the PSPDN
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
29.007	3.0.0	09.07	7.1.0	General requirements on Interworking between the PLMN and the ISDN or PSTN
29.011	3.0.0	09.11	7.0.0	Signalling Interworking for Supplementary Services
29.016	3.0.0	09.16	7.0.0	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Network Service Specification
29.018	3.0.0	09.18	6.3.0	Serving GPRS Support Mode SGSN - Visitors Location Register (VLR); Gs Interface Layer 3 Specification
29.060	3.0.0	09.60	7.0.0	GPRS Tunnelling protocol (GPT) across the Gn and Gp interface
29.061	3.0.0	09.61	7.0.0	Interworking between the PLMN supporting GPRS and Packet Data Networks (PDN)