

**Source:** TSG SA2

**Title:** Transfer of Stage 2 Specifications from GSM towards UMTS

## 1. Introduction

At the last S2 meeting held in Sophia Antipolis, some companies were asked to review some GSM Stage 2 documents. The intention of the review is to find out which GSM Stage 2 specifications need to be modified (eventually rewritten) and which ones could be used as such for 3GPP system.

S2 should also propose the right group(s) (WG) for each specifications to do the modifications, if modifications are found necessary. Namely, the following companies were asked to review the following specs:

Alcatel: 03.03, 03.07 to 03.12, 03.14, 03.15, and 03.16.

Vodafone: 03.18 and 03.22.

Nortel: 03.32.

Nokia: 03.34, 03.39, 03.40, 03.42, 03.43, 03.44, 03.45, 03.46, 03.54, 03.57, 03.67, 03.68 and 03.60.

NTT DoCoMo: 03.38.

Ericsson: 03.70, 03.72, 03.78, 03.79, 03.81, 03.82, 03.83, 03.84 and 03.85.

Siemens: 03.86, 03.87, 03.88, 03.90, 03.91, 03.93 and 03.96.

The temporary results of this review is reported hereafter.

## 2. Review Results

GSM Doc	Title	Comments	Proposed Responsibility
03.03	Numbering, Addressing and Identification	Existing SMG3 GSM specifications used, with changes expected (some have been already incorporated)	S2/SMG12/N2
03.07	Restoration Procedures	Minor changes	N2
03.08	Organization of Subscriber data	Pending decision on implementation of supplementary services	N2
03.09	Handover Procedures	Intra-GSM HO: no modification expected Inter-system-HO: new document required Intra-UMTS HO: new document required	N2 S2/N2 S2/N2
03.10	GSM PLMN Network Connection Types	Not applicable to UMTS	
03.11	Technical Realization of Supplementary Services	Pending decision on implementation of supplementary services	N2
03.12	Location Registration Procedures	Minor modifications expected	N2
03.14	Support of Dual Tone Multi-Frequency Signalling (DTMF) via the GSM System	Liaison to S4 to be generated, requesting advice on the support of DTMF in-band	
03.15	Technical Realization of Operator	Not applicable (FIGS supersedes this	

	Determined Barring	specification)	
03.16	Subscriber Data Management - Stage 2	Pending decision on implementation of supplementary services	N2
03.34	High Speed Circuit Switched Data (HSCSD) - Stage 2	May not be useful as basis for UMTS CS data documentation.	N1
03.38	Alphabets & Language	Modification necessary for TTA/TTC/ARIB community	T2
03.39	Interface Protocols for the Connection of Short Message Service Centers (SMSCs) to Short Message Entities (SMEs)	Minor changes	T2
03.40	Technical realisation of SMS Point to Point	Minor changes	T2
03.42	Compression algorithm for SMS	Minor changes	T2
03.43	Support of Videotext	Service needed in UMTS?	N3
03.44	Support of Teletext in a Public Land Mobile Network (PLMN)	Service needed in UMTS?	N3
03.45	Technical realisation of facsimile Group 3 service- transparent	Service in UMTS not required by S1	N3
03.46	Technical realisation of facsimile Group 3 service- non-transparent	Service in UMTS optional in S1	N3
03.54	Shared Interworking Functions - Stage 2	Unclear	N3
03.57	Mobile Station Application Execution Environment (MEXE); Functional description; Stage 2	Minor changes	T2
03.60	General Packet Radio Service (GPRS); Service description; Stage 2	Major changes needed, UMTS specific protocols to be included	N1 (S2?)
03.67	Enhanced Multi-Level Precedence and Preemption Service (EMLPP) - Stage 2	Service needed in UMTS?	N-SS
03.68	Voice Group Call Service (VGCS) - Stage 2	Service needed in UMTS?	N1 or N2?
03.70	Routing of Calls to/from Public Data Networks (PDN) v.5.0.0	Existing SMG3 GSM specifications used but not affected by UMTS phase 1	N3
03.72	Call Deflection (CD) Supplementary Service; stage 2 v.1.4.1	Existing SMG3 GSM specifications used but not affected by UMTS phase 1	NSS
03.78	CAMEL - Stage 2 v.6.2.0	Large/major modifications expected	N2
03.79	Support of Optimal Routing phase 1 - Stage 2 v.5.4.0	small modifications expected	N2
03.81	Line Identification Supplementary Services - Stage 2 v.5.2.0	Large/major modifications expected: Support of IP addressing may require changes	NSS
03.82	Call Forwarding (CF) Supplementary Services - Stage 2 v.5.0.0	small modifications expected: Multicall requires changes	NSS
03.83	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services - Stage 2 v.5.0.0	small modifications expected: Multicall requires changes	NSS
03.84	Multi Party (MPTY) Supplementary Services - Stage 2 v.5.0.0	Existing SMG3 GSM specifications used but not affected by UMTS phase 1	NSS
03.85	Closed User Group (CUG) Supplementary Services - Stage 2 v.5.0.0	Existing SMG3 GSM specifications used but not affected by UMTS phase 1	NSS
03.86	Advice of Charge (AoC) supplementary services - Stage 2	if needed in UMTS, minor changes	N2

03.87	User-to-User Signalling (UUS) Supplementary Service - Stage 2	if needed in UMTS, minor changes	N2
03.88	Call Barring (CB) Supplementary Services - Stage 2	if needed in UMTS, minor changes	N2
03.90	Unstructured Supplementary Service Data (USSD) - Stage 2	if needed in UMTS, minor changes	N2
03.91	Explicit Call Transfer (ECT) supplementary service - Stage 2	if needed in UMTS, minor changes	N2
03.93	Completion of Calls to Busy Subscriber (CCBS) - Stage 2	if needed in UMTS, minor changes	N2
03.96	Name identification supplementary services - Stage 2	if needed in UMTS, minor changes	N2

NOTE t 03.96:For the support Name identification service according to 23.096, the support of CAMEL BCSM at the visited MSC is a pre-condition. This is already planed to be introduced within CAMEL phase 3.

### 3. Conclusion

SA2 will review these temporary results at its next meeting, in July. In the meantime, other TSG/WGs (and particularly the groups designated here as responsible groups for UMTS specifications) are requested to comment on them.