

Technical Specification Group Services and System Aspects **TSG S#2 (99) 007**
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STATUS REPORT

1. General Overview of Progress

WG1 has held one meeting since the first TSG meeting. This was held in ETSI Headquarters and attended by about 50 delegates, with representatives from ARIB, ETSI, TTA and TTC though not from T1.

WG1 has agreed draft Terms of Reference which are submitted to TSG SA for approval. **Agenda 10**

WG1 has agreed baseline documents, some including change requests or other updates, all of which are submitted to TSG SA for approval.

WG1 has prepared a list of planned deliverables, most of which are now complete and are included with the baseline documents.

WG1 proposes some change requests to these, representing the first work of WG1.

WG1 has prepared Work Items which are submitted for approval by TSG SA. Together these form a work program for the Release 99.

WG1 has proposed a working relationship with ETSI/SMG1 and a schedule of meetings for 1999.

2. Terms of Reference

These have been drafted during WG1#1 and agreed by the whole meeting. They are contained in WG1 Tdoc 083. They are in spirit the same as proposed by TSG SA#1, but have been reworded to remove some ambiguity and to improve clarity. It should be noted that WG1 is responsible for setting service requirements and the group felt strongly that all other working bodies of 3GPP must follow these once they have been approved by TSG SA.

DECISION TSG SA#2 - n1

TSG SA is invited to approve these Terms of Reference in S1 Tdoc 083, TSG_SA Tdoc 008.

3. Work Progress

WG1 has examined the baseline documents submitted by ARIB, ETSI and TTC. The documents from ARIB and TTC are considered as requirements documents, covering services and other areas. WG1 proposes to TSG SA that these be approved as requirements documents, equivalent to the SMG 21.xx series. Indeed, these might be allocated such numbers. It is proposed that these be placed under change control, so any updates or revisions can be approved by TSG SA and the actual changes retain visibility.

It is also proposed that those Technical Specifications and Reports that have been prepared and approved by SMG in the 22.xx series be adopted by WG1 and placed under change control. Responsibility for members of the 22.xx series that are still in process and not yet complete should also be transferred to WG1. It should be noted that there are some Reports which are now superseded by Specifications and which may therefore not be maintained.

A process of comparison between the ARIB/TTC documents and the SMG 22.xx series was started at WG1#1 and generally a good correlation was found. Inevitably it was a fairly quick examination, but will be continued off-line. Some discrepancies were identified, some affecting timescales, others content. A report of progress on this evaluation is presented in **TSG_SA Tdoc 009** for information. It is expected to be able to further progress these at the next meeting of WG1.

Many specifications of the GSM 02 Series are also called up by UMTS specifications. These will need to be maintained and possibly updated to reflect new requirements applicable to UMTS and possibly GSM.

The process of refining the work of WG1 continues and has resulted in some change requests which are submitted to TSG SA for approval – see below.

4. Deliverables List and Schedule

Tdoc 010 lists the planned deliverables and timescales and is submitted for approval. It contains the inputs from ARIB, ETSI and TTC mentioned above and indicates when each deliverable may be expected to be approved. A number of the items are already under change control.

DECISION TSG SA#2 - n2

TSG SA is invited to approve this list in TSG_SA Tdoc 010.

5. Work Items

A number of work items are proposed, mainly reflecting the present and planned Technical Specifications and a few Reports. These are listed in Tdoc WG1#1 (99)090 to which are attached Work Item Description sheets for these items. This also includes a WID from TTA proposing study of interworking with IS-41 core networks and a generic WI for updating the GSM 02.xx series specifications for UMTS.

Specification	Doc	WORK ITEMS	Source	Who?
GSM Specs	102	GSM to UMTS Evolution	Nokia	Tommi Kokkola
TTA Specs	77	IS 41 to UMTS Interworking	TTA	Chang Yong
22.00	98	22.00 UMTS Phase 1	France Telecom	David Verrier
22.01	99	UMTS Services	Vodafone	Paul Dwyer
22.05	96	UMTS Services and Service capabilities	BT	Wayne Ashwell
22.15	93	Charging and Accounting	TIM	Emanuele Montegrosso
22.21	101	Virtual Home Environment	Fujitsu	Jumoke Ogunbekun
22.25	71	Quality of Service	Ericsson	Olle Eriksson
22.29	97	Handover GSM<->UMTS	NEC	David Cooper
22.75	100	Advanced Addressing	MMO	Stephan Kleier

DECISION TSG SA#2 - n3

TSG SA is invited to approve these Work Items and Deliverables in S1 Tdoc 090. See TSG_SA Tdoc 011.

These work items are consolidated into a draft work programme given in Tdoc 018 of this report which will be further elaborated at the next meeting of SA_WG1 in Edinburgh. Agenda item 11.

6. Project Support

WG1 values the support so far provided by ETSI, especially the program manager, Roger Tarazi. Although it is outside the scope of WG1 to make specific recommendations on staffing and funding, WG1 was anxious to ensure the continued technical support for this group, without which it will not work efficiently. In particular, with sequential meetings covering GSM and UMTS, with part of the specifications under proposed joint ownership, it would seem vital to ensure continuity of support for GSM and UMTS parts of the meeting. This is true for the cost of staffing the position and also on training the relevant skills. It would therefore appear most efficient for the same individual to support both GSM and UMTS.

7. Baseline Documents - deliverables for approval (Electronic Versions)

DECISION TSG SA#2 - n4

TSG SA is invited to approve documents from ARIB (S1 Tdoc 022) and TTC (S1 Tdoc 028), placing them under change control. See TSG_SA Tdocs 012 and 013 respectively.

DECISION TSG SA#2 - n5

TSG SA is invited to approve those UMTS 22.xx series specifications and reports which have so far been approved by SMG and examined by WG1, placing them under change control. See TSG_SA Tdoc 014

TSG SA should note that a change request to state explicitly that inter-network handover was not required to be supported in Release 99 was rejected by SMG#28, since some regulators saw the need for this feature in release 99. It is therefore proposed that S1 will work on this basis unless otherwise instructed by TSG SA.

There has been so far no requirements document submitted by neither T1 nor TTA. A Work Item has, nevertheless been submitted by TTA as shown in Section 5 above.

8. Change Requests - deliverables for approval

DECISION TSG SA#2 - n6

The following change requests have been agreed by WG1 and are submitted for approval. See TSG_SA Tdoc 015.

TSG SA WG1 Tdoc 015

CR_Number	S1 Tdoc	Title	Source (SA_WG1)	Who?
22.00A001	070	Cell Bdcast on 22.00 (replaces 067)	MMO	Stephan Kleier
22.00A002	069	Proposed General Requirements for IMT-2000/UMTS Network Standardisation	NTT DoCoMo, AT&T Wireless, TIM/CSELT, T-Mobil	Horst Rauch
22.00A007	058	Cross-Phase compatibility Pending Ref 040	France Telecom	David Verrier
22.05A006	066	Cell Bdcast - CR on 22.05 (048 > 066)	MMO	Stephan Kleier

These next 4 CRs received will be referred to at the next SA_WG1 meeting in Edinburgh for study:

22.00A003	091	Regarding emergency call	NEC Corporation	Yutaka Harada
22.00A004	092	Requirements on multicall	NEC Corporation	Yutaka Harada
22.00A005	094	Optimisation of internetwork signaling	Fujitsu	Mutsuo SHIYA
22.00A006	095	GSM evolved core network requirements to 3GPP from TTC	Nippon Telecom Consulting Co Ltd	Miyuki Soejima

9. Critical items for TSG SA Decision

a) Name of UMTS

SMG has used the name 'UMTS' for its flavour of third generation technology. ARIB and TTC have tended to use the ITU name 'IMT-2000'. For consistency, a decision on which name to use would reduce confusion and signal a greater cohesion of 3GPP.

DECISION TSG SA#2 - n7

TSG SA is invited to recommend which name to use.

b) Work Items of Interest to GSM and UMTS

A number of work items, especially on Camel 3, MExE and SIM Toolkit, are of interest to UMTS as well as to GSM. In addition, many of the 02 series of GSM will be referred to from UMTS and may be called up in total, in part or perhaps with some modifications proposed. WG1 spent some time debating a policy to handle this problem.

WG1 proposed that responsibility for all GSM specifications of interest to UMTS should be transferred to WG1, with approval authority in TSG SA. However, this was also discussed at the recent SMG#28 meeting, which was of the opinion that, in line with the decision of the ETSI Board, GSM specifications should remain in SMG, but with joint responsibility for a few items where major work common to GSM and UMTS remains (see their liaison in Tdoc SMG P-99-310).

DECISION TSG SA#2 - n8

TSG SA to note Tdocs WG1 80, 81 in TSG_SA Tdoc 016 and SMG P-99-310 in TSG_SA Tdoc 017) and to recommend a policy on this matter.

c) Meetings Policy

In order to ensure that requirements for both GSM and UMTS are met, WG1 proposes that many (though not necessarily all) of its meetings should be held in effect jointly with ETSI/SMG1. However, it is necessary to ensure clarity of responsibility, especially as the delegate base for the two meetings may differ. It is therefore proposed that SMG1 formally hold the meeting covering the GSM 02.xx series, even those that are of joint interest to GSM and UMTS. Similarly, WG1 hold the meeting that deals with the 2x.xx series, even though some items (eg VHE) may also be of interest to GSM. The meeting invitations and agendas shall state clearly the scope of each meeting.

DECISION TSG SA#2 - n9

TSG SA is invited to approve the process of co-located meetings between WG1 and SMG1 to cover items of common interest to GSM and UMTS and joint responsibility for certain agreed GSM 02.xx specifications.

d) Responsibilities of WG1

There was some concern expressed in WG1 regarding a possible conflict of responsibility between WG1 and TSG T2 who have been claiming responsibility for service aspects of their work. It is important to avoid duplication or conflict, so clearly a close working relationship is expected.

DECISION TSG SA#2 - n10

SMG SA is invited to note Tdoc WG1 089 (TSG_SA 002) and to endorse an appropriate policy.

10. Outlook for future meetings

Assuming approval by TSG SA#2, most of the above work items will be of approved status and assumed to be complete subject to probably only minor changes, largely as feedback from other groups for whom these provide input requirements. Hopefully the remaining work for Release 99 will be ready for information (at version 1) by TSG SA#3 and for approval by SA#4. This tight timetable is essential to ensure clear inputs to all other groups of 3GPP in time for Release 99. Thereafter, WG1 will start to examine requirements for Release 2000. It is possible that we may propose a one day meeting jointly with ETSI/EP/UMTS and with other interested Partners to discuss long term requirements for UMTS.

11. Planned Meetings of WG1

WG1#2	Edinburgh, Scotland	8-12 March
WG1#3	?	Early May?
WG1#4	Canada	5-9 July
WG1#5	?	? November

Annex A LIST OF CONTRIBUTIONS TO TSG_SA

TSG_SA Tdoc	TSG_SA_WG1 Tdoc	TITLE	ACTIONS
SP-99002	089	Work distribution between TSG S1 and TSG T2	TO NOTE & TO ENDORSE APPROPRIATE POLICY
SP-99007		Status Report of SA_WG1 from Convenor, SA_WG1 Services	INFORMATION & DECISION
SP-99008	083	TSG_SA_WG1 Terms of reference	TO APPROVE
SP-99009		ANALYSIS OF ARIB's REQUIREMENTS	INFORMATION
	088 (LS to SA)	LS to SA on ARIB's Requirements	
SP-99010		List of planned deliverables and time scales from ARIB, ETSI, TTC	TO APPROVE
SP-99011		WORK ITEMS FOR UMTS	TO APPROVE
	090 (Convenor)	Work Items for UMTS (See also Annex A for Work Items consolidated into a Work Program)	
	102	GSM to UMTS Evolution	
	077	IS 41 to UMTS Interworking	
	098	22.00 UMTS Phase 1	
	099	22.01 UMTS Services	
	096 (P)	22.05 Services and Service capabilities	
	093	22.15 Charging & Accounting	
	101	22.21 Virtual Home Environment (VHE)	
	071	22.25 Quality of Service (QoS)	
	097 (P)	22.29 Handover GSM<->UMTS	
	100 (P)	22.75 Advanced Addressing	
SP-99012	022	ARIB's Requirements and Objectives for 3G Mobile Services & Systems contribution	TO APPROVE
SP-99013	028	TTC's GSM evolved network requirements contribution v. 0.3.5 (???????)	TO APPROVE
SP-99014		ETSI SMG contributions	TO APPROVE
	005	TS 2200v300 (UMTS Phase 1 -	
		TS 2201v360 (Services.... with SMG#28 Approved CRs Applied)	
	035	TS 2205v330 (Service Capabilities with SMG#28 Approved CR applied)	

	008	TR 2207v311 (Terminals ...	
	037	TS 2215v300 (Charging & Billing ...	
	009	TR 2224v310 (Charging & Accounting ...	
	010	TR 2225v310 (QoS ...	
	011	TR 2260v300 (Mobile Multimedia ...	
	012	TR 2270v300 (VHE ...	
	013	TR 2271v310 (Roaming ...	
	014	TR 2275v300 (Addressing ...	
SP-99015		CHANGE REQUESTS to 22 Series with Inputs from ARIB, ETSI and TTC	TO APPROVE
	070	22.00A001 - Cell Bdcast on 22.00 (replaces 067)	
	069	22.00A002 - Proposed General Requirements for IMT-2000/UMTS Network Standardization	
	058	22.00A007 - Cross-Phase compatibility	
	066	22.05A006 - Cell Broadcast -	
SP-99016		WORK TRANSFER FROM SMG1 TO 3GPP	TO RECOMMEND A POLICY
	080	Work transfer from SMG1 to 3GPP	
	081	Work transfer from SMG1 to 3GPP (Provides a detailed list of specifications)	
SP-99017	SMG P-99-310	LS to 3GPP on Work Transfer (MExE, CAMEL, SAT)	TO RECOMMEND A POLICY
SP-99018		Project Plan associated with Tdoc 011 above.	For INFORMATION