



3rd Generation Partnership Project

SA PLENARY #4

Report from S1 to SA#4

21-23 June, 1999
Miami, Florida

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Secretary: Roger Tarazi

DRAFT REPORT

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Agenda Item:

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STATUS REPORT

1. **General Overview of Progress**

Since SA#3, S1 has held one Plenary meeting in Hampton Court, UK exclusively focused on 3G. It was kindly hosted and organized by Telecom-Modus. At this plenary, S1 will report on 3G matters and as Chairman of both S1 and SMG1, I shall brief you on the common GSM/3G matters that will be presented for Information or Approval later on this week at the SMG#29 Plenary.

This S1 meeting is continuing its focus on the merging of the different regions' requirements, namely Fax for ARIB/TTC, ANSI 41 for TTA and further developments for Release 99, resulting in:

❖ **CHANGE REQUESTS**

15 Change Requests affecting 5 Specs (22.00, 22.01, 22.05, 22.129 and 22.907) and related to Addressing, Emergency, FAX, Handover, Numbering, QoS, Re-Negotiation, Security, SMS, others... Of these, 13 have been agreed and 2 on Emergency numbers are still pending.

S1 has discussed via email on emergency call requirements. Following CR will be presented for information if not agreed meanwhile by S1, in which case it will be presented for Approval. *(June 14, 999)*

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99226	373	22.100	A019		3.3.0	B	3.4.0	Emergency	Handling of Emergency Numbers: Adds a requirement to support an emergency call teleservice as defined in TS22.101
SP-99226	395	22.101	A020	7	3.5.0	B	3.6.0	Emergency	To route the call to the appropriate emergency service if more than one emergency number is supported in a country.

❖ **LIAISON STATEMENTS**

13 Liaison Statements covering the following topics (UE Power, FAX, Bearer Services, Work Transfer, Handover, Security, TE Capabilities, Charging and Service Capabilities).

❖ **WORK ITEMS**

No new Work Items,
S1 asked T2 to progress Work Item on MMS (MultiMedia Messaging)

❖ **SPECIFICATIONS**

TS 22.121 on VHE will be presented as Version 2 at SA#4 for approval.
To note that MCC (Mobility Competence Center) made available all the S1 Specifications, fully compliant with 3GPP.

❖ **COOPERATION S1 and T2**

T2's participation thanks to the presence of Kevin Holley and Ian Harris was particularly appreciated since it helped push forward the Fax issue (despite its contentious nature) and TE Capabilities, SMS, MultiMedia Messaging. This meeting certainly helped to harmonize both the S1 and the T2 positions with respect to the split of responsibilities relative to the definition of service requirements.

❖ **ARIB/TTC & LOCATION SERVICES**

ARIB/TTC were invited to examine the Location Services stage 1 in order to ascertain that their requirements are covered. We look for an answer at our next meeting of S1.

❖ **GSM SIM in 3G MOBILE**

On the support of a GSM SIM in a 3G Mobile: There was no consensus on this issue, though some delegates appeared to be clearly in favour for such a solution. However, the question was felt to have major security implications, since a GSM SIM has less security features than a USIM. S3 may wish to express further opinions on this matter. In the mean time, S1 is prepared to accept the compromise agreed at SA#3.

❖ **WORK SPLIT SMG1 <> S1**

One important and recurring issue was the one of the split of work between SMG1 and S1. Given that 3G is based to a large extent on a GSM evolved network, there is consensus at S1 that ownership of all specifications and their approval process should fall under the same responsibility: Preliminary agreements have been taken to merge all the GSM/3G Common parts under the 3G umbrella. This is pending SMG and SA's approvals. Please refer to Tdoc SP-99238 which invites SMG and SA plenaries to agree to transfer most of the specifications of GSM to the responsibility of S1.

❖ **WORK PROGRESS**

In the 3 G perspective, Adhoc meetings have taken place on Multicall, QoS (Joint S1/S2) and VHE while a Workshop on Handover has taken place in order to harmonize and coordinate the progress of this work item. In the GSM / 3G evolution, adhoc meetings have taken place on SIM Toolkit and MExE while ensuring a seamless evolution of these service capabilities from GSM to 3G.

❖ **SPECIAL e-MAIL LISTS**

To facilitate interactions between delegates S1 has launched already 8 special interest e-mail exploder lists for Multicall, Handover, Charging, Multimedia, QoS, VHE, SMS, Discuss. The latter has been created to address any topic that does not have its dedicated list.

❖ **e-MAIL drafting and decision making processes**

S1 and SMG1 have adopted a new procedure for drafting and decision making by correspondence. On a weekly basis, a status report is sent to both lists giving an update on work in progress. This working method has been forwarded to SMG WOME for adoption in GSM 01.00.

2. Deliverables List and Schedule

Annex B contains an updated list of planned deliverables and timescales and is submitted for information. Note that S1 has decided not to maintain some of the earlier reports since more recent specifications, now, cover these topics.

3. Work Items

No new Work Items are proposed.

4. Baseline Documents - deliverables for Approval

There is one specification presented as Version 2.0.0 for Approval:

TSG_	TSG_DOC	TSG_STATU	WG_DOC	TITLE	SPEC	VERSION
SA04	SP-99237		S1-99	VHE	22.121	2.0.0

It is expected that 3G 22.135 on Multicall will be presented at SA#5 as Version 2.0.0 for Approval.

5. Change Requests - deliverables for approval

There are 11 sets (Topics/Work Items) of CRs affecting:

- UMTS Phase 1 Specifications in TS 22.100V3.3.0
- UMTS Service Description TS 22.101V3.5.0
- UMTS Service Capabilities in TS 22.105V3.4.0
- UMTS Handover in TS 22.129V3.0.0
- UMTS TE Smart Card TR 22.907V3.1.2

Each set contains one or more Change Request(s).

5.1 Addressing

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99225	396	22.101	A019	1	3.5.0	B	3.6.0	Addressing	The output of the advanced addressing report 22.975 v 3.0.1 is copied across to the numbering section of specification 22.101

5.2 FAX

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
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SP-99227	394	22.100	A021	3	3.3.0	F	3.4.0	FAX	Clarification of the fax requirements and inclusion of a definition of the real-time fax requirements.
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5.3 Handover - Agreed

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99228	342	22.129	A001		3.0.0	B	3.1.0	HandOver	User control of target network preference for handover.

5.4 Numbering

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99229	387	22.101	A021		3.5.0	B	3.6.0	Numbering	MultiNumbering: It will be possible for multiple MSISDNs to be associated with a single subscription to support the possibility of MT calls of different bearer types (eg voice, fax, data) to be routed to a single MSISDN.
SP-99229	377	22.100	A020	1	3.3.0	B	3.4.0	Numbering Schem	To clarify the numbering scheme in UMTS: The phase 1 UMTS core network shall support single and multiple numbering schemes described in 22.101

5.5 QoS

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99230	392	22.105	A013	2	3.4.0	F	3.5.0	QoS	End to end QoS is required for UMTS Release'99 to enable satisfactory operation of end user applications, which have specific requirements regarding bandwidth, delay, delay variation or information loss.
SP-99230	393	22.105	A014	1	3.4.0	F	3.5.0	QoS	The informative annex on communication schemes is enhanced to provide more detailed background information on the QoS requirements of typical end user applications that can be expected in UMTS.

5.6 Re-Negotiation - Agreed

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99231	378	22.100	A015		3.3.0	B	3.4.0	Re-negotiate QoS	Re-negotiation during Call / Session - Modify QoS Parameters

5.7 Relationship of TS 22.100 with other 22.1xx Specifications

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99232	369	22.100	A018		3.3.0	F	3.4.0	Relationship	Relationship between UMTS 22.00 and other 22.xx document series

5.8 Security - Agreed

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99233	366	22.100	A017		3.3.0	C	3.4.0	Security	CR on security requirements for UMTS Phase 1 Release 99: To align the specification with the fact that S3 defines security requirements for UMTS Phase 1 Release 99.

5.9 SMS - Agreed

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99234	355	22.100	A016		3.3.0	D	3.4.0	SMS	Reflect the view of TSG T WG2 which is

										that for Release 99 SMS specifications are based on the current GSM SMS specifications see 309
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5.10 TE Smart Card - Agreed

SA_Tdoc	Doc	Spec_	CR#	R	Vers	C	New	Topic	Title
SP-99235	340	22.907	A002		3.1.1	D	3.1.2	TE Smart Card	Technical report is not to be maintained

6. Critical items for TSG SA Decision

None

7. Outlook for future meetings

Remaining work for Release 99 will be ready 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. It is hoped that the only CRs to be submitted to SA#5 will be as a result of iteration with other 3GPP working groups. S1 has started to examine requirements for Release 2000 and plan to generate a first assessment of this at their next meeting.

8. Planned Meetings of WG1

S1#4	Canada	July 5-9, 1999 (Joint Meeting with SMG1)
S1#5	Host needed	November 29 - Dec 3, 1999 (Joint Meeting with SMG1)

Annex A - LIST OF CONTRIBUTIONS TO SA#4

SA_Tdoc	Docume	Spec_	CR#	R	Vers	Topic	Title
SP-99224							REPORT from S1 to SA#4 in Miami
SP-99225	S1-99396	22.101	A019	1	3.5.0	Addressin	Addressing:The output of the advanced
SP-99226	S1-99373	22.100	A019		3.3.0	Emergenc	Handling of Emergency Numbers:Adds a
Same	S1-99395	22.101	A020	7	3.5.0	Emergenc	Emergency: To route the call to the
SP-99227	S1-99394	22.100	A021	3	3.3.0	FAX	Clarification of the fax requirements and
SP-99228	S1-99342	22.129	A001		3.0.0	HandOver	User control of target network preference
SP-99229	S1-99387	22.101	A021		3.5.0	Numberin	MultiNumbering: It will be possible for
Same	S1-99377	22.100	A020	1	3.3.0	Numberin	Clarify the numbering scheme in
SP-99230	S1-99392	22.105	A013	2	3.4.0	QoS	End to end QoS is required for UMTS
Same	S1-99393	22.105	A014	1	3.4.0	QoS	The informative annex on communication
SP-99231	S1-99378	22.100	A015		3.3.0	Re-	Re-negotiation during Call / Session -
SP-99232	S1-99369	22.100	A018		3.3.0	Relations	Relationship between UMTS 22.00 and
SP-99233	S1-99366	22.100	A017		3.3.0	Security	CR on security requirements for UMTS
SP-99234	S1-99355	22.100	A016		3.3.0	SMS	Reflect the view of TSG T WG2 which is
SP-99235	S1-99340	22.907	A002		3.1.1	TE Smart	Technical report is not to be maintained
SP-99236		22.135					MultiCall
SP-99237		22.121			2.0.0		VHE
SP-99238	S1-99347						LS Work transfer from SMG1 to 3GPP

Annex B - SUMMARY OF S1 DELIVERABLES: Specifications and Reports

Technical reports and specifications that are already under change control are at Version 3 or higher. For work in progress, expected approval milestones are shown in the table below:

Spec	Title	Rapporteur	Not Yet Approved	Approval status:	Next	Comment
TS22.100 V3.3.0	UMTS PHASE 1 CAPABILITIES	Jean-Paul Gallaire (David Verrier), France Telecom		V3.0.0 SMG#28		(A number of CRs are being presented for approval at TSG_SA#4 in Miami)
TS22.101 V3.5.0	UMTS SERVICE PRINCIPLES	Paul Dwyer, Vodafone		V3.4.0 SMG#28		(A number of CRs are being presented for approval at TSG_SA#4 in Miami)
TS22.105 V3.4.0	SERVICES AND SERVICE CAPABILITIES	Wayne Ashwell, British Telecom		V3.2.0 SMG#28		(A number of CRs are being presented for approval at TSG_SA#4 in Miami)
TS22.115 V3.1.0	SERVICE ASPECTS: CHARGING AND BILLING	Emanuele Montegrosso, TIM		V 3.0.0 SMG#28		
TS22.121	VIRTUAL HOME ENVIRONMENT	Jumoke Ogunbekun, Fujitsu	V2.0.0	V1.0.0 at TSG_SA#3	V2.0.0 at TSG SA#4	Presented for Approval at SA#4
TS22.129 V3.0.0	HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS	David Cooper, TELECOM MODUS	V1,0,0 SMG#28	V2.0.0 at TSG SA#3		(One CR is being presented for approval at TSG_SA#4 in Miami)
TS22.135	MULTICALL	Tommi Kokkola, Nokia	V1.0.0 at SA#3			
TR22.960 V3.0.1	MOBILE MULTIMEDIA SERVICES INCLUDING MOBILE INTRANET AND INTERNET SERVICES	Thomas Ahnberg, TELIA		V3.0.0 SMG#25		Proposed to keep that specification.
TR22.971 V3.1.1	AUTOMATIC ESTABLISHMENT OF ROAMING RELATIONS	Emanuele Montegrosso, TIM		V3.0.1 SMG#27		Noted - To be maintained.
TR22.975 V3.0.1	ADVANCED ADDRESSING	Stephan Kleier, MMO		V3.0.0 SMG#27		

Technical Reports - Non-Active status (Some are not to be maintained any more)

TR22.907	UMTS TERMINAL AND SMART CARD CONCEPTS	Mika Tolvanen, Nokia	V.3.0.0 SMG#25	Not Updated anymore, Kept - (One CR is submitted for Approval to that effect)
TR22.924	CHARGING AND ACCOUNTING MECHANISM	Emanuele Montegrosso, TIM	V3.0.0 SMG#25	Not Updated anymore
TR22.25	QUALITY OF SERVICE AND NETWORK PERFORMANCE Use the information from 22.25 into 22.05 bringing in QoS requirements from other regions was proposed...	Olle Eriksson coordinates QoS	V3.1.0 SMG#25	
TR22.70	VIRTUAL HOME ENVIRONMENT	Jumoke Ogunbekun, Fujitsu	V3.0.0 SMG#25	Not updated anymore
TR22.72	MULTIMEDIA	Ralf Fischer, Bosch	V0.0.0 V1.0.0 at TSG SA#3 at TSG SA#4	

ANNEX C - UMTS Work Items

Work item	WID	Rapporteur	Expected output	Dead-line	Status	Notes
Advanced Addressing	S1-136	Stephan Kleier, MMO	Report 22.75	R99	On-going	
Charging and Accounting	S1-132	Emanuele Montegrosso, TIM	Specification 22.15	05/99	On-going	
GSM to UMTS Evolution	S1-127	Tommi Kakkola, Nokia	Review and update of GSM 02- series	R99	On-going	
Handover GSM->UMTS	S1-135	David Cooper, T-Modus	Specification 22.29	05/99	On-going	
Quality of Service	S1-134	Olle Eriksson / Ericsson	CRs (ffs)	R99	On-going	Joint W/ with S2
UMTS Phase 1	S1-129	David Verrier, FT	Specification 22.00	05/99	On-going	
UMTS Services	S1-130	Paul Dwyer, Vodafone	Specification 22.01	05/99	On-going	
UMTS Services and Service capabilities	S1-131	Wayne Ashwell, BT	Specification 22.05	05/99	On-going	
Virtual Home Environment	S1-133	Jumoke Ogunbekun, Fujitsu	Specification 22.21	R99	On-going	

ANSI-41 to UMTS Interworking	S1#3- 363	.TTA	Study	R99	On-going	
Multicall	S1#3- 276	Tommi Kakkola, Nokia	Stage 1 specification, Stage 2 (ffs), CR to existing specifications	R99	On-going	