Agenda Item: 3.2



3rd Generation Partners Group

UMTS

REPORT Version 1

TSG_SA_WG1#5 99-5 Plenary Meeting

27th Sept – 1st Oct 1999 Bernried, Starnberger, Germany

TSG_SA_WG1 Chairman:

Alan Cox

Secretary:

Michael Clayton

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TSG-SA WG 1 (Services) meeting #6

TSG S1#6(99) /99 Agenda Item: 2

DRAFT MEETING REPORT

Version: 1.0, 16 November 1999

1 Opening of the Meeting

The TSG-SA WG1 meeting #5 was held in Bernried, Starnberger, Germany from the 27th Sept to the 1st Oct 1999. It was chaired by Mr Alan Cox (Vodafone) and the secretary was Mr Michael Clayton from the MCC.

The meeting was opened by Mr *******, who welcomed the delegates to Bernried.

2 Adoption of Agenda

Document 555/99 contained the draft Agenda for SA1 #99-5. It was approved without comment.

3 Approval of Reports

3.1 SMG1 99/2 held in Quebec

The report of the meeting of SMG1 held in Quebec was provided in document 742/99. It was decided that if there are no comments by the end of this meeting they will be approved.

A review of the actions was completed; all actions were completed.

Subsequently, no comments were received and therefore the report in 742/99 was approved.

3.2 S1#4 held in Quebec

The report of the meeting of TSG-SA-WG1 held in Quebec was provided in document document 743/99. It was decided that if there are no comments by the end of this meeting they will be approved.

It was noted that David Cooper has moved positions and is no longer able to continue with the Vocabulary of UMTS. The chairman asked for nominations to take over.

Subsequently, no comments were received and therefore the report in 743/99 was approved.

3.3 Quebec CR overview

Document 601/99 contained a review of the change requests from the last meeting in Quebec provided by the Vice Chairman. It was accepted as an overview. Change requests noted as being agreed within this document will be sent to the next SA meeting in Korea.

4 Reports and Liaisons

4.1 Reports to SMG1 from ETSI/SMG

4.1.1 SMG 10

Document 569/99 contained a liaison statement from SMG 10 on the A5 Algorithm in particular the use of 64 bits for Kc. Whilst many operators have implemented their Kc with only 54 bits, with the other10 bits set to zero

by A8 in the SIM and the Authentication Centre. In principle, if manufacturers have implemented Kc as in 03.20, there should be no problems within the infrastructure (such as Authentication Centres and Base Stations) and mobiles (ME) to using Kc of 64 bits. SMG 27 wrote to manufacturers and has received no responses that there are difficulties with using Kc of 64 bits, only positive responses have been received.

However, reports have been received of difficulties when roaming between networks, where the SIM of the roaming mobile is providing 64 bits, and the base station is only expecting 54 bits. This results in decryption failure because of the different key lengths of Kc being used.

Therefore, SMG10 has imposed a cut-off date by which time manufacturers should have ascertained that their equipment will work with a 64 bit Kc. It is suggested that the cut off date be the end of May 2000 (being 6 months from the GSM Association Plenary). Both SMG and the GSM Association is asked to support this and inform manufacturers. The meeting noted the LS.

Document 557/99 contained a liaison statement from SMG10 on the Use of A5 algorithms for EDGE. SMG10 is recommending the use of A5/1 for EDGE despite the use of 696 bits instead of the normal 228 bits. SMG10 is asking the GSM Association Security Group to promote this. The document was noted by SMG1.

4.2 Reports to SMG1 from 3GPP

4.2.1 TSG RAN WG3

A LS about Overall Delay Budget within the Access Stratum Results and Requirements was provided from TSG RAN WG3 in document 566/99. It would appear that the figures that they have used in the liaison statement are incorrect. It was decided that they would be contacted directly.

Number	Action	Interested parties	Owner	Status
AP 05.04	TSG RAN WG3 to be contacted to		Wayne	
	indicate that the figures in their LS			
	(566/99) are incorrect.			

It was also noted that 22.125 is out of date and should be withdrawn. The rapporteur was asked if he could accept this. Ole Ericsson indicated that he was happy.

4.2.2 TSG CN WG1

Document 568/99 contained a liaison statement on Bearer Modification without pre-notification from CN1. It concerned the subscription checking when a bearer is modified during a call, i.e. there was no notification at call setup. Essentially this is a dialogue between CN1 and CN2 and so was noted by S1. Nonetheless, it was passed to the group working on 22.105 (See section 6.3.3).

The following documents are also moved to group working on 22.105 (See section 6.3.3).

646/99	Liaison Statement on 3G-H.324M	TSG-N1 / TSG-N3
727/99	LS on CBS Functionality and Responsibility	TSG-CN1
729/99	Response to "LS about Synchronisation"	TSG-CN1
730/99	Response to LS on Service/Baseline Implementation Capabilities	TSG-CN1
738/99	LS about Synchronisation	TSG-T2

4.2.3 TSG T WG2

Document 585/99 contained a liaison from T2 regarding work going on multi-mode terminals. The definitions are required to ensure that all the TSGs have a common understanding. It was noted that the GSM Association are also using definitions similar to these, although the usage could be different. It was decided to refer this to T2 and ask for them to liaise with the GSM Association.

A proposed LS was provided in document 753/99. The liaison statement was revised to include some contact details and was provided in 836/99. This was approved and will sent out.

In addition, a CR to 22.100 to incorporate the definitions was provided in document 837/99. It was agreed in principle but the change to section 7.10 will be withdrawn. Document 837/99 will be revised to 856/99 which will be put on email approval.

4.2.4 TSG N WG3

The following documents were passed to the group working on 22.105 for consideration (See section 6.3.3):

718	LS statement on RAB requirements for CS data	TSG CN WG2
720	Liaison Statement on UMTS and RAB parameter value ranges and granularity	TSG SA WG2
721	Draft Response liaison on RAB requirements for CS data and architecture for CS data services	Ericsson

4.2.5 TSG SA WG2

Document 667/99 contained a draft 1 Report of the 3GPP SA WG2 Meeting # 8. Of note is section 5, which contained a report of a joint S1/S2 meeting.

It was reported that:

The joint meeting agreed that S1 shall clarify PS related "handover" requirements related to GPRS rel 97 and rel 99 at TS 22.129. This is something that this group needs to deal with. The rapporteur of 22.129 noted this.

Some feedback is expected from S1 delegates concerning the assumptions on service requirements performed in the TR (chapter "requirements") for an all IP network.

It was clarified that there will be several stage 2 documents for LCS, whereas there will only be one stage 1.

Another point was that the 01.xx series has not been transferred. An example was GSM 01.04 which contains the abbreviations and definitions for GSM.

It was decided to report to SA that the 01.xx series has not been transferred.

Number	Action	Interested parties	Owner	Status
	The fact that the 01.xx series has not been handed over to 3GPP to be reported		Chairman	
	to SA.			

The report was noted.

Resulting from the meeting, Nokia produced a proposed CR to 23.121 (which is not an S1 specification) to address some issues which need to be resolved on release '99.

It was asked if the CR was accepted at the S2 meeting. The answer was that it was accepted in principle, but that it should be dealt with at the appropriate point in their meeting.

Document 719/99 contained a LS on Enhanced User Identity Confidentiality from TSG SA WG2. It was sent to S1 for information and was noted as there does not seem to be any impact on S1 specifications.

Document 723/99 contained an answer to the LS on Tandem Free Operation, Transcoder Free Operation and DTMF Signalling from TSG SA WG2. There are two different terms and functionalities in transcoder and tandom free operation. These terms could have an impact on 22.100.

Number	Action	Interested parties	Owner	Status
AP 05.02	22.100 to be checked for the effect of the		Jean-Paul	
	definition of Tandem Free Operation and			
	Transcoder Free Operation in document			
	723/99.			

Document 724/99 contained a liaison statement on SRNS Relocation and handover from TSG SA WG2. SA1 is being asked:

- 1. What is an acceptable transmission break time to the mobile (mute period) for real time services? Should it be assumed that performance should be better, at least, than GSM?
- 2. In addition SA1 are asked if it is a requirement to handover to:
 - a. GPRS release 97 core network?
 - b. GPRS release 99 core network for real time services?

This was be taken under the agenda item of handover as was:

725/99 Proposal for GPRS/UMTS handover and PS Relocation TSG SA WG2 726/99 SRNS Relocation principles for Real time and Non Real Time Alcatel

See section 6.3.6.

4.2.6 TSG T WG2

Document 739/99 contained a Liaison Statement; i.e. a cover letter for TR21.904, Terminal Capabilities Report, interim version which was provided in document 740/99 (Terminal Capability Requirements). Both these documents were received from TSG T WG2.

The intention it to make this document officially available after approval at 3GPP T. It is not yet completed, and has been circulated to make other working groups aware for information. It is not intended to be a specification and it is fully expected that each group will take over the specification of the capabilities applicable to them.

This document has some relevance to the GSM Association particularly the Terminals Working Group (TWG). It was understood that the GSM Association could, as members, see this document. There is a meeting next week and this issue will be brought up.

Both documents were noted.

4.3 Report on Mobile Competence Centre Activities (MCC)

There was no specific report on the MCC.

4.4 Reports from 3GPP Partners

4.4.1 ARIB

There was no specific report from ARIB.

4.4.2 CWTS

There was no specific report on the work in CWTS.

4.4.3 ETSI, including EP-UMTS

A LS on CLI and ACR from SPAN2 was provided in document 741/99. ETSI SPAN 2 WP2/3 has noted the amendments to GSM 02.30 CLIP. SPAN 2 has been having discussions on enhancements to ISDN and PSTN CLIP services and would be very interested in how SMG plan to implement the amendment:

"If CLIP has been provisioned for the subscriber and the MS is capable of displaying the line identification then for each MT call the MS should either:

Display the calling line identity or;

Display the reason why the line identity is not available as indicated by the Presentation Indicator"

It was answered that the error cause is already sent to the MS which it should interpret and display the appropriate message.

This should be referred to SPAN 2, in particular for that group to contact SMG3 for their solutions.

4.4.4 T1

Document 602/99 (Location Services Stage 1 Liaison Statement from T1P1) and document 603/99 (Location Services Stage 1 Change Request for SMG#30 from T1P1) were referred to the agenda item of Location Services (see section 6.2.4).

5 Release '98 or earlier

Document 823/99 contained a Response to Liaison Statement from T1P1.5 on Location Services. It was approved and will be sent.

6 Release '99

Document 653/99 contained a discussion document on Clarity of the term "Release 99". There was a little confusion regarding this term, although it would appear that the requirements are already there in 22.100 and 22.101. The document was noted.

6.1 GSM only aspects

6.1.1 EDGE (Enhanced Data rates for GSM Evolution)

Document 706/99 contained a proposed CR to 22.034 on Channel coding asymmetry for ECSD. The CR was Conditionally approved, and will go to SA if no comments at S1#5.

Editor's note; no comments were received.

6.1.2 GSM 450

Document 648/99 contained a CR to 02.40 on GSM in the 400 MHz bands and 647/99 contained an equivalent CR to 02.06.

These CRs are applicable to GSM only and so they do not need be sent to SA. There were a number of editorial changes that need to be made. Also, it was noted that PCS1900 is not included and this could be checked; it may be a legacy of a mistake made years ago.

The changes will be made and they will sent for email approval before being sent to SMG plenary in November.

6.2 GSM/UMTS Common items

6.2.1 22.0xx series editorial CRs

Document 607/99 contained a report on work regarding 3GPP S1 specification release 1999 planning from the ad hoc set up for this process. This paper describes the current status of the service specifications. A series of editorial CR's has been produced together with MCC experts in order to make the 02 series specifications applicable to both GSM and UMTS when needed, (references, terminology, etc). However, editors will need to check their specifications, for possible further changes.

608	Bearer Services Supported by a GSM PLMN, 22.002	Ed ad hoc
609	General on Supplementary Services, 22.004	Ed ad hoc
610	Service Accessibility, 22.011	Ed ad hoc
611	International Mobile Equipment Identities (IMEI), 22.016	Ed ad hoc
612	Personalisation of GSM ME Mobile functionality specification - Stage 1, 22.022	Ed ad hoc
613	Description of Charge Advice Information (CAI), 22.024	Ed ad hoc
614	Man-Machine Interface (MMI) of the Mobile Station (MS), 22.030	Ed ad hoc
615	High Speed Circuit Switched Data (HSCSD) - Stage 1, 22.034	Ed ad hoc
616	Operator Determined Call Barring, 22.041	Ed ad hoc
617	Network Identity and Time Zone (NITZ), stage 1, 22.042	Ed ad hoc
618	Support of Localised Service Area (SoLSA) - Stage 1, 22.043	Ed ad hoc
619	Mobile Station Application Execution Environment (MExE); Stage 1, 22.057	Ed ad hoc

620	General Packet Radio Service (GPRS); Stage 1, 22.060	Ed ad hoc
621	Support of Mobile Number Portability (MNP); Stage 1, 22.066	Ed ad hoc
622	Priority Set-up Service; Stage 1(ASCI spec), 22.067	Ed ad hoc
623	Voice Group Call Service (VGCS); Stage 1(ASCI spec), 22.068	Ed ad hoc
624	Voice Broadcast Service (VBS); Stage 1(ASCI spec), 22.069	Ed ad hoc
625	Location Services (LCS); Stage 1, 22.071	Ed ad hoc
626	Call Deflection (CD); Stage 1, 22.072	Ed ad hoc
627	Support of Optimal Routing; Stage 1, 22.079	Ed ad hoc
628	Line Identification Supplementary Services; Stage 1, 22.081	Ed ad hoc
629	Call Forwarding (CF) Supplementary Services; Stage 1, 22.082	Ed ad hoc
630	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1, 22.083	Ed ad hoc
631	MultiParty (MPTY) Supplementary Service; Stage 1, 22.084	Ed ad hoc
632	Closed User Group (CUG) Supplementary Services; Stage 1, 22.085	Ed ad hoc
633	Advice of Charge (AoC) Supplementary Services; Stage 1, 22.086	Ed ad hoc
634	User-to-user signalling (UUS); Stage 1, 22.087	Ed ad hoc
635	Call Barring (CB) Supplementary Services; Stage 1, 22.088	Ed ad hoc
636	Unstructured Supplementary Service Data (USSD); Stage 1, 22.090	Ed ad hoc
637	Explicit Call Transfer (ECT) Supplementary Service; Stage 1, 22.091	Ed ad hoc
638	Call Completion to Busy Subscriber (CCBS); Stage 1, 22.093	Ed ad hoc
639	Calling Name Presentation (CNAP); Stage 1, 22.096	Ed ad hoc
640	Multiple Subscriber Profile (MSP); Stage 1, 22.097	Ed ad hoc
641	UMTS phase 1 capabilities, 22.100	Ed ad hoc
642	Principles of Telecommunication Services Supported by a GSM PLMN, 02.01	Ed ad hoc
643	Teleservices Supported by a GSM PLMN, 02.03	Ed ad hoc
644	Mobile Station (MS) Features, 02.07	Ed ad hoc
645	Procedures for Call Progress Indications, 02.40	Ed ad hoc
662	TS22.083 (Call Hold)	NTT MTC

Document 607/99 contained a roadmap of the work done in the editorial ad hoc. It as been identified that some work is required not only of an editorial nature, but to make the specification applicable for UMTS requires some serious work. These specifications were 22.011, 22.022, 22.030 and 22.060 should be worked-upon as soon as possible.

Specifications 22.038, 22.072 and 22.078 were not available and so were not checked.

Specification 22.022 needs some work to make it applicable to 3G. However, it was noted that this specification is probably more applicable to S3.

Document 665/99 document 664/99 were approved at the last meeting and have only been revised to refer to the correct specification. They will be passed to SA for approval.

On ASCI it was reported that two specifications, VGS and VBS were not transferred to SA1 and that the UIC had no aspirations to move them to the higher spectrum. Nonetheless, there are specific 3G broadcast type services, which may replace these services. However, the eLMPP feature has been transferred. To this end, document 819/99 contained a document from BT stating support of the ASCI services. This was noted.

It should be noted that, in document 572/99, there is a list of specifications that comprise release '99 for 3G and 573/99 is the equivalent for GSM. There is an overlap between the two releases; in particular the 6.2 in document 573/99 includes the common specifications. The above editorial CRs are based on making the resulting specifications generic and applicable to both GSM and 3GPP. The documents were noted.

6.2.2 Camel Phase 3

The following documents were passed to a CAMEL ad hoc for discussion:

575	CSE controlled free format charging data for CAMEL3	TSG CN WG2
594	Proposed CR for CAMEL3 interworking with GPRS; Change of position	Nokia
598	Proposed CR for CAMEL3 Defining successful SM submission to SMSC as EDP (CAMEL3)	Nokia
584	Short Message Submission Handling	Sonera
576	Number of triggering criteria in O-CSI for CAMEL Phase 3	TSG CN WG2
600	CAMEL3 Voice Prompting and Digit collection in active phase of a call	Nokia
599	Proposed CR for CAMEL3 corrections to new Trigger Detection Points (TDP)	Nokia

597	Proposed CR for CAMEL3 clean-up of IPLMN and VPLMN references	Nokia
595	Proposed CR for CAMEL3 completion of CSE initiated call set up procedure	Nokia
581	LS on MO SMS triggering in CAMEL phase 3	SERG
593	Proposed CR for CAMEL3 corrections and clarifications to dialled services	Nokia
	(subscribed & serving network)	
592	Proposed CR for CAMEL3 cross phase compatibility update; HPLMN/CSE vs.	Nokia
	IPLMNVPLMN	
591	Proposed CR for CAMEL3 Call Forwarding and new TDP interworking	Nokia
590	Editorial update of references for GSM/3GPP use	Nokia
596	Proposed CR for CAMEL3 DTMF Mid-Call corrections and clarifications	Nokia
577	LS on Active Location Retrieval in CAMEL Phase 3	TSG CN WG2
710	Interworking with CAMEL	MMO

The report was provided in 607/99.

The following documents were approved:

Docu	Topic	CR#	Versio	Phase	Title	Source
338	Camel Ph 3	A041	8.0.0	R99	Inclusion of Service Key in Mobility Management event notifications + editorial modifications	Ericsson
S268	Camel Ph 3	A043	8.0.0	R99	Camel control of packet switched MO SMS	Ericsson
S339	Camel Ph 3	A046	8.0.0	R99	Clarification the behaviour when network provided dialled services are used.	Siemens
S272	Camel Ph 3	A047	8.0.0	R99	Removal Initial Service Events in case of Unsuccessful MO call establishment	Siemens
S333	Camel Ph 3	A048	8.0.0	R99	The present CR clarifies the proceeding at the serving network in case of instructions from the CSE with modified information.	Siemens
S341	Camel Ph 3	A054	8.0.0	R99	The present CR corrects the unsuccessful call establishment procedure for MT calls. It is agreed and described in chapter 6 to allow this procedure to be armed as a initial event procedure. This was not reflected in the relevant chapter of the current version.	
S342	Camel Ph 3	A056	8.0.0	R99	GSM 02.78 Clean-up of CAMEL phase information	Nokia
S290	Camel Ph 3	A059	8.0.0	R99	Work Item Camel Phase 3 CSE Related overload control	Siemens
S345	Camel Ph 3	A060	8.0.0	R99	Camel Phase 3 applications shall be able to set trigger criteria on any type of number (TON) received from the mobile station. (Alignment to Stage 2 & 3).	Nortel
S335	Camel Ph 2	A061	6.3.0	R97	Introduction of a "Health Warning" on type of numbers sent by the mobile other than "unknown" or "international" CR	?

It was questioned whether 290/99 from the last meeting was approved or not. This needs to be reviewed; it was referred to interested parties to discuss it during this meeting. In the meantime, 290/99 was not approved. Later it was confirmed that N2 had been contacted and that the CR in 290/99 can be approved.

Doc	То	Title	Source	Who	Status
594	SA	Proposed CR for CAMEL3 interworking with GPRS; Change of position	Nokia	Keijo Palviainen	Agreed
677	SA	Correction on GPRS handling (Version 2)	Ericsson	Rogier Noldus	Agreed
680	N2	LS to N2 regarding the scope of CAMEL	S1	Manfred Leitgeb	Approved
598	SA	CR Defining successful SM submission to SMSC as EDP	Ericsson	Rogier Noldus	Agreed
673	SA	CR SAT/MExE interworking	MMO	Stephan Kleier	Agreed

681	SA	Short Message Submission Handling (version2)	Sonera	Iris Moilanen	Agreed
682	SER G	LS Back to SERG	Sonera	Iris Moilanen	Approved
689	SA	Defining Successful SM submission and Unsuccessful SM submission as EDP-N and EDP-R.	Ericsson	Rogier Noldus	Agreed
686	SA	CR Free formatted information	Ericsson	Rogier Noldus	Agreed
774	SA	Charging clarifications for MO-SMS (New Version)	Ericsson	Rogier Noldus	
772	SA	CR Network based CAMEL service invocation	Siemens	Manfred Leitgeb	
773	SA	Proposed CR for CAMEL3 corrections and clarifications to dialled services (subscribed & serving network)			Agreed
684	SA	CR O-CSI Information	Ericsson	Rogier Noldus	Agreed
685	N2	LS Back O-CSI information	Cellnet	David Smith	Approved
770	SA	Proposed CR for CAMEL3 corrections to new Trigger Detection Points (TDP) (2nd version)	Nokia	Keijo Palviainen	Agreed
771	SA	CR CSI description	Ericsson	Rogier Noldus	Agreed
775	SA	Proposed CR for CAMEL3 Call Forwarding and new TDP interworking (2nd Version)	Nokia	Keijo Palviainen	Agreed
776	SA	CLI modification	Vodafone	Paul Dwyer	Agreed
777	SA	CCBS Service interaction	Vodafone	Paul Dwyer	Agreed
596	SA	Proposed CR for CAMEL3 DTMF Mid- Call corrections and clarifications	Nokia	Keijo Palviainen	Agreed
675	SA	CR Correction to Annex A.2 (Based on s342 and combined s277)	MMO	Stephan Kleier	Agreed
590	SA	Editorial update of references for GSM/3GPP use	Nokia	Keijo Palviainen	Agreed
597	SA	Proposed CR for CAMEL3 clean-up of IPLMN and VPLMN references	Nokia	Keijo Palviainen	Agreed

It was asked if these CRs were checked with N2. The answer was that there were N2 delegates present who have agreed to them. This should be communicated to SA if there are any questions with the amount of CRs.

It was noted that many of these are to version 3.0.0 whereas they should be to version 8.0.0. It was clarified that the text is the same and it is only the front sheet that needs to be changed. This will be done by MCC.

Number	Action	Interested parties	Owner	Status
AP 05.05	The front sheets of CRs listed in		Michael	
	document 671 to be updated to version		Clayton	
	8.0.0. New CR numbers to be issued.			

It was commented that CAMEL phase 3, while feature rich may not allow the full implementation of VHE. This should be communicated to SA.

Number	Action	Interested parties	Owner	Status
AP 05.06	The fact that while CAMEL phase 3 is		Michael	
	feature rich it may not allow the full		Clayton	
	implementation of VHE should be		-	
	communicated to SA			

The proposed CR in 772/99 was discussed in the ad hoc. It was agreed in S1 plenary.

6.2.3 SIM/USIM

A liaison statement from 3GPP T3 was provided in document 587/99 on support of GSM Services within the USIM application. T3 is asking if Voice Group Call Service, Voice Broadcast Service, enhanced Multi Level Preemption and Priority, De-personalization Control Keys and Co-operative Network List, and Network's Indication of Alerting should be included in the SIM.

Document 815/99, containing a response to this, was approved.

Document 824/99 contained a Liaison Statement on SAT/MExE <-> CAMEL Interworking / Traceability from SMG3 WPC/N1. SA1 is being asked:

- 1. Which protocols will need to use application identifiers? SMG3 WPA has considered that CC, SMS and SS (including USSD) as likely candidates, but also wondered about GPRS services.
- 2. How many code points should be reserved? SMG3 WPA has considered that it is necessary to distinguish between transactions originated by the human operator, the SIM card, the mobile itself, or an external device; but is this sufficient?
- 3. Does any additional information need to be traced? For example, a call could be initiated by the human user but then the number modified by SAT. Does this need to be traced? SMG1/S1 are kindly asked to be extremely specific with respect to the requirements if this is the case.
- 4. This must be a new feature for R99. This means that existing SAT implementations will not support this trace-ability. The CAMEL CSE which supports trace-ability will need to work with terminal SAT implementations which don't, and vice versa. These cross phase compatibility issues need to be considered.

Many of these questions were answered in the new stage 1. There are only slight answers necessary. Therefore, it was decided to set up an email discussion group to formulate a response.

Number	Action	Interested parties	Owner	Status
AP 05.07	An email discussion to be set up to	Michael	Annuka	
	formulate a response.	Clayton	Toivanen	

Document 583/99 contained an answer to LS on SAT/MExE <-> CAMEL Interworking / Traceability from SMG1. This was action from the last meeting and was noted.

Document 708/99 contained a proposed change to SIM Application Toolkit on Traceability. The content of 708/99 was approved. Its format as a CR was done in anticipation of a new version of 22.038 and is not expected to become a CR to 02.38. These changes will be included in the first version of 22.038. The CR itself is not required.

A similar situation applied to document 709/99 which contained a "CR" to 02.38 on SAT Handover notification and termination of call. There was some concern over this document, particularly regarding the requirement for the SIM/USIM to be able to stop a call. One point was to ensure that an indication is given to the user when a call is terminated. The chairman made a valid point that the SAT is a toolkit and this is a tool. The mechanism on how it is used is part of the application being written using the tools. A proposed liaison statement to support this was provided in 828/99.

After some discussion, Nokia requested that the whole CR be withdrawn as there were some concerns over the possibility for fraud. It was decided to postpone this CR until it can be referred to N1, T3 and S3. Both 709/99 and 828/99 will be dealt with at the next meeting.

Document 793/99 contained a LS on SAT/MExE <-> CAMEL Interworking / Traceability from SMG9 to CN3. SMG 9 requests a joint meeting with 3GPP TSG CN3 to discuss the issues related to the above topic as soon as possible in order to advance the work for Release 99. It was noted by S1 see also 828/99.

Document 710/99 contained a proposed CR to 02.38 on Interworking with CAMEL. It was pointed out that this is not needed as a CR as 22.038 has not yet been sent for approval. Hence, this change needs be incorporated in the text of 22.038 (see 708/99 above).

The proposed version 2.0.0 was provided in document 829/99. There was some problems with section 8.4. It was approved except 8.4. The new document will come in 855/99.

Document 801/99 contained a CR to 02.38 (to be put into 22.038) on moving the user control to "for further study". There was some concern that by doing this, the ability to approve this may be jeopardised. It was decided that, in the submission of 22.038 to SA, a comment should be made that some further work is expected from France Telecom resulting in CRs to the specification.

Number	Action	Interested parties	Owner	Status
AP 05.08	The status report to SA to reflect the		Michael	
	concern of France Telecom and that		Clayton,	
	changes should be expected.		Chairmen	

With this, it was decided that document 801/99 should be sent to SA for approval as version 2.0.0 with a note that there was an objection to the specification which will be covered by change requests if the specification is approved.

Document 582/99 contained the status of SIM Application Toolkit after SMG1 / S1 Meeting. This was noted by the meeting.

6.2.3.1 Usage of SIM and USIM

Document 658/99 contained a discussion document on the Usage of SIM and USIM in roaming environments from NTT MTC. In it, NTT DoCoMo emphasises that the support of roaming between 2G and 3G must be optional.

Leading on from this, document 750/99 contained a proposed CR to 22.101 in order to clarify the usage of SIM and USIM.

There was a substantial amount of discussion regarding the ability to have more than one application on the UICC. Essentially, notwithstanding any of the commercial arrangements, there will be UICCs with more than one application on them. This having been said, it was agreed that both applications should not be active at the same time.

This was reiterated in document 734/99 containing a proposed CR to 22.101 Multiple USIMs per UICC. The proposal to remove all reference to multiple USIMs in document 734/99 was not accepted. However, it was agreed that only one USIM should be active at any one time with a selection procedure to choose which.

It was noted that when handing-over it is possible to have a SIM and USIM active at the same time.

The next step was to change the text to reflect this. A proposed revision was provided in 816/99. This should go on email reflector for approval.

Document 735/99 contained a discussion document on the support of SAT by USIM and that it shall be standardised for UMTS release 99 and future releases. It is proposed that SAT support is clearly stated as a requirement for release 99 (CR to 22.100 document 736/99), that a requirement is added in 22.101 (CR to 22.101 document 737/99), and that a Liaison Statement is sent to T3 to let them know that S1 believes support of SAT by USIM is a priority.

Both 736/99 and 737/99 were agreed and will be sent to SA#5 for approval. It was noted that a liaison statement to T3 is required.

Document 715/99 contained a LS on Indication to the user of SIM error codes from SMG9. It was accepted in principle. A revision was provided in 847/99. This was approved and will be sent.

6.2.4 Location Services LCS

Document 577/99 contained a LS on Active Location Retrieval in CAMEL Phase 3 from TSG CN WG2. This was referred to the ad hoc held during the meeting.

Document 602/99 contained a liaison statement on Location Services Stage 1 Liaison Statement from GSM NA. In essence T1P1 is asking for endorsement of the CR to the stage 1 in document 603/99. In addition T1P1 is asking for clarification of the work split between SMG1 and SA1.

It was clarified that GSM 02.71 has been moved to S1 in 22.071. For release '98 the change applies to GSM 02.71, but it is not certain that it applies to release '99 and UMTS. There has been some work to align make 22.071 applicable to UMTS, although this is essentially editorial (see section 6.2.1).

Some discussion has been held in SERG on LCS. It would appear that the GSM NA has made significant progress and that SERG has agreed to allow the work to stay with GSM NA. However, it was questioned what is the relationship between T1P1 and GSM NA.

It was clarified that T1P1 is focussing on the technical issues for enabling technologies and is taking input from GSM NA is looking at a service descriptions; it is expected that the work of GSM NA will be included in the stage 1 possible for release '99.

Document 606/99 contained a press release from the FCC to (as they say) promote competition and public safety in enhanced wireless 911 services. In particular a new accuracy has been decided upon;

- ? The FCC adopts the following revised standards for Phase II location accuracy and reliability:
 - For network-based solutions: 100 meters for 67 percent of calls, 300 meters for 95 percent of calls;
 - For handset-based solutions: 50 meters for 67 percent of calls, 150 meters for 95 percent of calls.

A network based solution could achieve this.

Document 603/99 contained a CR to 02.71 which, amongst other things, includes the new accuracy requirements. After some discussion, it was decided not to include section 4.2.1 on the new accuracy. Moreover, as a standards body, SA1 cannot and should not mandate a specific implementation which would be implied by such an accuracy.

It was noted that in section 4.11 there is a requirement to have location information during the call. However, there is also an implementation using SMS-CB which is not possible during the call. This was noted and Randolph was asked to take this back to T1P1.

The discussion went on to identify what should happen to this document. The policy is that if the specification has been tranferred to 3GPP, then it should go to SA for approval. However, this change is to GSM 02.71 and not to 22.071. It was decided to submit this to SA in Korea with the only change that the specific clause for the USA accuracy requirements in section 4.2.1 deleted.

The new revision was provided in document 800/99. It will be sent to SA plenary for approval. It was also decided to produce a duplicate for release '99 for 22.071. The MCC was tasked to do this.

Number	Action	Interested parties	Owner	Status
AP 05.09	A duplicate CR to 22.071 based on		Michael	
	document 800/99 to be produced by		Clayton,	
	MCC for presentation to SA#5.		Chairmen	
AP 05.10	A reflector for LCS to be set up including		Michael	
	GSM NA and T1P1		Clayton	

Document 794/99 contained LCS Functional Requirements in UMTS specifications and a proposed CR to 22.071 on UMTS LCS service requirements. This was requested based on comments at the last meeting and contains all the requirements for LCS at the beginning. Document 795/99 contained a proposed CR to 22.071 on LCS accuracy requirements. The two CRs were separated as it was expected that the accuracy CR would be controversial.

It was commented that the references to circular zones should be changed to elliptical zones.

After some discussion, at which point the secretary became very tired, it was decided to revise both CRs. The revisions were provided in documents 832/99 and 833/99. Both were agreed to be sent to SA for approval.

It was noted, however, that in section 9.2.8 of 832/99 has a reference to 22.129 and it should be 22.121. This minor change will be made off-line.

Document 749/99 contained a liaison statement on selected location service methods for Release '99. This document was noted, and a response was provided in 834/99 which was subsequently revised to 853/99. Document 853/99 was approved and will be sent out.

Document 757/99, which contained a discussion on the benefit of Assisted GPS in UTRAN, was provided for information. It was noted. Leading on from this, document 758/99 contained a discussion document on Accuracy for Location Services. This too, was noted although it was referred-to in the liaison statement contained in 834/99.

The Project Plan on location and cell broadcast services in UMTS, provided in document 852/99, was noted.

6.2.5 Emergency Calls

Document 657/99 contained a discussion document on Emergency Call Operation. The document is proposing: following guidelines.

- ?? The operators should store the emergency numbers that are used in the home environment into USIM/SIM to operate Emergency Call service.
- ?? Default emergency numbers stored in the ME shall be ignored if USIM/SIM is available even though there is no emergency number in USIM/SIM.

In general the document was supported although there is some overlapping of requirements from different documents. However, the main elements of the requirements were provided for in document 713/99, which contained a proposed CR to 22.101. The CR in 713/99 was revised with the revision in document 851/99. The CR in 851/99 was agreed and will be sent to SA #05 for approval.

Document 606/99 contained the New FCC Emergency Services Requirements. The new accuracy for USA was noted as it is already dealt with in document 603/99.

A proposed LS on Emergency call requirements for rel 99 was provided in document 712/99. This was revised and provided in document 848/99. This document was approved although there should be a reference to the CR in document 851/99. This will be added.

Another CR to 22.101 was provided in document 849/99. After some discussion, this was revised to document 857/99. Even then there was some concern over the principle. It was decided to send the CR to SA #05 for the plenary to make a decision.

Finally, document 751/99 contained a CR to 22.975 on IMUI and IMSI. This was agreed and will be sent to SA #05 for approval.

6.2.6 GPRS

Three documents containing CRs were provided on the class B mode of operation of GPRS:

656/99,	Class B mode of operation R99	Siemens
654/99	Class B mode of operation R97	Siemens
655/99	Class B mode of operation R98	Siemens

Document 745/99 contained some concerns over the CRs, in particular that new requirements should not be included in GPRS. Only clarifications should be permitted. However, the text is open to interpretation and that what is a new requirement to one is a clarification to another. Another point was that the new requirements should not preclude earlier interpretation.

These documents were discussed in an ad hoc resulting in some revisions;

790/99	Class B mode of operation R98	Siemens
791/99	Class B mode of operation R97	Siemens
792/99	Class B mode of operation R99	Siemens

They were agreed to be passed to SA #05 for approval.

Document 759/99 was withdrawn.

Document 717/99 contained an input on GPRS Barring Scenarios from BT Cellnet. This was brought up at the last meeting although it was postponed as the changes proposed were to an earlier version and, as a new requirement, should have been to the 3GPP specification.

The change is a new section 11 on GPRS barring to release '99. The problem with this is that, whereas this change is to the stage 1, the subsequent changes to the stage 2 and 3 will not be available in time for release '99.

This is not user barring but operator determined call barring which has been transferred as 22.041.

It was decided to change this CR to a reference to barring and make a change to 22.041 for operator determined call barring. The resulting changes were provided in documents 802/99 (revision of 717/99 and 803/99 (CR to 22.041). Document 802/99 was agreed but some minor changes were required to 803/99 which was provided in 850/99. This was agreed to be sent to SA #05 for approval.

Document 660/99 contained an input document on the function that gives notification of the gateway server IP address from the network to the mobile phone. By connecting to the information center from the Mobile Phone with Micro-Browser, it is possible for a user to pull out information that a user wants from the site with this service. For example, the user is able to know information about restaurant guides, news, to reserve tickets for concerts, and to do mobile banking. However, it is understood that there is a necessity for a function to give notification of the gateway server IP address (Destination IP address) to the mobile phone from the network, when the mobile phone with Micro-Browser accesses a centre.

The changes were revised and provided in 841/99. It was agreed to send this to SA #05 for approval.

6.2.7 Follow me

Document 564/99 contained a liaison statement on Follow Me Service from SMG10. Based on this a CR to 02.94 was provided in document 651/99 which contained a proposed version 2.1.0 of 02.94 (Follow Me) from Siemens with a description of minor changes to 02.94 (Follow Me) due to LS from SMG10 in document 650/99. It was decided to make this change applicable to 22.094. This was provided in document 812/99 and was agreed to be sent to SA #05 for approval.

6.2.8 SoLSA

Document 649/99 contained a CR to 02.43 on SoLSA – Support of Localised Service Area. This was provided to remove a discrepancy between 02.43 and 03.43 in the number of LSAs supported. In the stage 2 there are 20 LSAs whereas the stage 1 indicates 100. This was agreed and will be send to SA for approval.

6.2.9 Others

Document 706/99 contained a proposed CR for MSP. This was conditionally approved. It will be sent to SA plenary if no comments are received by the end of the meeting. (None were received).

Document 707/99 contained a proposed CR for MSP. This was revised to become document 811/99. The change is for release '99 and so the cover sheet was incorrect. This was changed resulting in document 811/99.

Subsequently it was noted that the provision is now on a profile basis for multiparty rather than on a subscriber basis which is normal. This will cause a change to the specification and it was queried if this is appropriate. It was decided, therefore, that this should be discussed and brought back in document 842/99. It was decided to put this on email approval.

Document 744/99 contained a proposed CR to Data services streamlining to 22.030. It was agreed with a small change to insert "in".

6.3 22.1xx series in Release '99 (see annex B below)

6.3.1 22.100 UMTS Phase 1 Capabilities

No input.

6.3.2 22.101 Service Principles

No input.

6.3.3 22.105 Services and Service Capabilities

Document 529/99 contained a proposed CR to 22.105 on the support of IP v4. Although it is IP v6 addressing that is referred to in the specification it is IP v4 that is currently in use and should be included in the specification. There was a problem for this as another document (746/99) proposes the deletion of section 8.3 and put it in 22.121 instead. The principle was agreed, although maybe it should be to 22.121.

Document 746/99 contained a number of changes to 22.105 to align service capabilities and service capabilities features definitions with definitions in VHE specification 22.121. This CR was agreed, but it was noted that changes in 529/99 now need to be put into 22.121.

A CR to do this was provided in document 845/99. This was agreed and will be sent to SA #5 for approval.

Document 760/99 contained a number of emails looking at the ability to negotiate / re negotiate the characteristics of a bearer service at session / connection establishment and during an on going session / connection. This was noted in favour 663/99, which takes the discussion further.

The problem is that there are a number of potential issues, which preclude such a solution. For instance, point 2 cannot be implemented without pre-notification. However, it was agreed in principle to be discussed in an ad hoc. A liaison statement to ask this was provided in document 846/99. This will be dealt with by Email.

Document 752/99 was noted as it is much the same as the content of 663/99.

Document 761/99 contained a CR to 22.105 on Correction of nomenclature. It was agreed with some minor editorials.

Document 763/99 contained a CR to 22.105 on Removal of material not in release 99. This was agreed.

Document 568/99 contained a liaison statement on Bearer Modification without pre-notification from CN1. It concerned the subscription checking when a bearer is modified during a call, i.e. there was no notification at call setup. Essentially this is a dialogue between CN1 and CN2 and so was noted by S1. Nonetheless, it was passed to the group working on 22.105. The response was provided in document 846/99, which will be dealt with by email.

Document 646/99 contained a Liaison Statement on 3G-H.324M. It was noted and was document 727/99 containing LS on CBS Functionality and Responsibility.

Document 729/99 contained a response to "LS about Synchronisation". There was little interest in this issue and so the document was noted.

Document 730/99 contained a response to LS on Service/Baseline Implementation Capabilities from TSG-CN1 and 738/99 contained a LS about Synchronisation from TSG-T2. Both of these documents were noted as they were only sent to SA1 for information.

6.3.4 22.115 Charging and Billing

Document 716/99 contained a response to an SA2 proposal to SA5 on Conformance requirements for volume based charging for IP domain. This is correspondence between the two groups. It was noted by SA1.

Document 762/99, which contained a CR to 22.125 on Addition of Charging for Volume of Data and some edits, was agreed, but it should be 22.115 not 22.125. Nonetheless, the CR went adhead.

Document 817/99 contained a CR to 22.115 on UMTS charging and billing. It was agreed to be sent to SA #05 for approval.

6.3.5 22.121 Virtual Home Environment

The following documents were taken in the VHE ad hoc:

535	Charging Capabilities	FT, TIM
586	The role of MExE and SAT within the OSA concept of VHE	TSG T WG3
669	Architecture for an All IP network (3G TR 23.xyz version 0.1.0)	
711	Architecture overview for UMTS R99	Nokia
731	Liaison Statement on Support for VHE/OSA Stage 2	TSG CN WG2
747	Proposed CR to 22.121 on Virtual Home Environment	Fujitsu
748	Requirement for VHE R00 services	Fujitsu
755	Status of VHE/OSA stage 2 work	TSG-SA WG2
756	Motication fo MExE and SAT as SCSs in OSA	Ericsson
780	Proposed CR to the VHE stage 1	Siemens

Document 808/99 contained a report of the VHE ad hoc. Essentially, the CR in document 535/99 was agreed and the liaison statement in 838/99 was approved. The CR will go to SA for approval and the LS will be sent to 3GPP T2, SMG3, SMG3 WPC (CAMEL), TSG CN, TSG CN WG2, SMG9, and SMG1/9 SAT ad hoc.

The report was noted.

6.3.6 22.129 Handover

Document 565/99 contained a CR to 22.129 on GSM UMTS Handover - Requirement on subscriber dependent handover. There was some discussion on the provision of a preference for inter-PLMN handover in section 8.2.2. Two opposing views were presented. There was concern that this requirement has an impact on the implementation of the networks. Nonetheless, the CR was agreed and will be sent to SA for approval.

Document 804/99 contained a CR to 22.129 on the performance requirements for real time services and requirements for handover between UMTS and GPRS. It was noted that in section 4.3.1 the wording could be interpreted as a requirement. What is being asked for is for Intra-UMTS packet handover to be the same or better than that of circuit switched.

The document needs some revision and it was decided to do this over email. Document 843/99 was allocated for this.

A similar problem of the wording applied to document 806/99, which contained a draft answer to S2 on SRNS Relocation and handover. This also needs to be provided later on the email server. The revision was provided in 844/99.

Document 805/99 contained a CR to 22.129 on Multicall handover. During the meeting, changes were made which could mean that this CR is no longer appropriate. It was decided not to continue with the CR for the time being.

Document 807/99 was issued to the group but was not used.

Documents 724/99 (LS on SRNS Relocation and handover), 725/99 (Proposal for GPRS/UMTS handover and PS Relocation) and 726/99 (SRNS Relocation principles for Real time and Non Real Time) were all noted.

6.3.7 Reports: 22.9xx

6.3.8 22.135 Multicall - draft

Document 786/99 contained the report of the Multi-call ad hoc. The input documents to the ad hoc were:

567/99	LS from TSG N1 on multicall and enhancement of call barring services	Noted.
661/99	Comments to 22.135 (Multicall)	revised in 785
662/99	Proposed CR to TS22.083 (Call Hold)	Withdrawn.
781/99	CR to 02.83 on Multicall	Withdrawn.
782/99	Comments to 22.135	revised in 785
783/99	Comments to 22.135	revised in 785.
784/99	Informative examples related to multicall scenarios.	Noted.

The Stage 1 for Multicall version 1.4.0 was provided in document 785/99 which was subsequently commented upon in document 814/99.

Some comments were received and were included in a revision of 814/99 in document 835/99. Document 835/99 was approved as version 1.6.0 but will be made into version 2.0.0.

Document 787/99 contained a simple Proposed CR to 22.083 on Multicall. It was updated to 854/99 and agreed to be sent to SA for approval.

Document 788/99 was agreed. Later a revision was provided in 863/99. This was agreed and will be sent to SA for approval.

Document 789/99 contained a proposed liaison statement to TSG-R, S2 on connectionless services during the call. The liaison statement approved.

6.3.9 Multimedia Messaging (MMS)

The following documents were dealt with in the MMS ad hoc:

690/99	Draft Agenda	Rapporteur
691/99	22.140 MMS Stage 1 V.0.2.2	Rapporteur
692/99	Non-realtime multimedia messaging requirements	Motorola, Siemens, BT, T-Mobil, France Telecom and Lucent Technologies
693/99	Multimedia Messaging Service Requirements	BT Cellnet
694/99	Non-realtime multimedia messaging proposals	Motorola, Siemens, BT, T-Mobil, France Telecom and Lucent Technologies
695/99	"Reservations" with the proposed MMS Stage 1	Motorola, Siemens
697/99	MMS based on Service Capability Features	France Télécom
698/99	Proposed changes for MMS stage 1 introduction	NOKIA
699/99	Proposed change for MMS stage 1 introduction - Minimum Requirements	T-Mobil

The report of the MMS-ad hoc was provided in document 696/99. The MMS believes that there was still some work needed on the new MMS stage 1 description 22.140 V 0.3.0, but for MMS to be in release 99, the ad hoc recommended that SA1 forwards this document to SA plenary for information with comments on the state of this document.

It was asked what MMS really is. There is a definition of MMS is provided in document 818/99 as:

multimedia message service: A multimedia message service allows transfer of multimedia messages between users without the requirement for the multimedia messages to be transferred in realtime.

Another question was what the objectives of MMS were. The objectives can also be found in 818/99 in the scope. The key is that, in GSM the SMS is the most successful service after speech, and there is a requirement to have something similar in UMTS.

Document 818/99 contained the 22.140 MMS Stage 1 V.0.3.0.

Another comment received was the reference to UMTS only in the document. This document should really relate as much to GSM as to UMTS. This was agreed and appropriate changes will be made.

The document should concentrate on a list of capabilities for MMS.

Number	Action	Interested parties	Owner	Status
AP 05.11	MMS to formulate the list of capabilities		MMS ad	
	required for MMS.		hoc	

It was proposed to have the stage 1 raised to version 1.0.0 so that it can be sent to SA plenary. It was also decided to send it to SERG. It was supplied in document 821/99. It was agreed as version 1.0.0 and will be sent to SA to be noted.

Also a liaison statement to S2 was provided in 822/99. It was approved.

6.4 Any others

6.4.1 Automatic Application Environment

Document 798/99 contained the minutes of 3GPP-S1 AAE (Automatic Application Environment) Ad-hoc. Based on this, a liaison statement from the AAE ad hoc was provided in 799/99.

It was agreed by the SMG1/S1 AAEW at hoc that the principles outlined in the AAEW report and LS were generally correct, and that S1/SMG1 should proceed with adoption of the AAEW's results. S1/SMG1 needs now to identify how they are best supported by the service capabilities given the considerations in document 799/99.

The support of the AAEW's results should be pursued with the MS and Network-Resident Execution Environments work item, by close collaboration and co-operation with the relevant service capabilities committees. Detailed work to determine the correct level of support by the service capabilities for the AAEW's results, should be done by the service capability committees themselves.

It is further recommended that a separate S1 mail reflector should be made available for the WI.

Number	Action	Interested parties	Owner	Status
AP 05.12	Email reflector for AAEW to be set up		Michael Clavton	
			Clayton	

One comment was that it was understood that this issue was deleted in the Quebec meeting. This was not known although there did not appear to be any comments in the notes.

The work done so far by the AAEW is useful and should be maintained. Therefore the chairman asked for a volunteer to be the rapporteur. Nokia volunteered to become rapporteur for MS and Network resident application environments. This was gratefully accepted by the chairman, who further asked for an update of the Work Item Description with some timescales.

Document 813/99 was allocated for this.

6.4.2 PHS Intworking (PIAFS)

Document 659/99 contained a CR to 22.002 on Bearer services related to PIAFS. Some clarifications were made and it was agreed to send it to SA for approval.

7 Release 2000 (R2000) and New WIs

7.1 An all-IP 3G Mobile Architecture

An ad hoc on an all IP 3G mobile architecture was held during the S1 meeting. The input was:

556/99	Liaison Statement Concerning Requirements for all-IP Option for Release 2000	T1P1
579/99	Answer to the liaison statement concerning requirements for all-IP option for release 2000	TSG SA WG2
580/99	Draft specification of Architecture for an All IP network	TSG SA WG2
652/99	Support of mutiple access scheme for Voice Services in Release 2000	Dolphin Communications
668/99	Release 2000 document structure	Nokia
669/99	Architecture for an All IP network (3G TR 23.xyz version 0.1.0)	
705/99	Migration of a GSM/UMTS R'99 network into R'00	Ericsson

Document 703/99 contained the report from S1 ad hoc meeting, which was reported in the presentation in 700/99 and was revised to 702/99.

It was decided that there should be an ad hoc outside the S1 meeting to further the issue. Certainly there may need to be some editorial changes before the presentation in 703/99 can be sent to SA plenary. Also, it is necessary to identify the next steps. It was requested that this be done prior to the next plenary.

Document 560/99 contained a discussion document on ways to give users a better quality of service. The theme of this document is the need to ensure continuity of service bearing in mind the vagaries of the radio interface. This was supported in document 562/99 on efficient use of radio resource; this needs to be made clear in the S1 specifications.

Both 561/99, containing user and operator views of multimedia via UMTS, and 563/99, containing radio impacts of end to end IP and multi-media in UMTS, were supporting documents for 560/99 and 561/99 and were noted.

Document 797/99 contained a LS on Requirements for an "all IP" option for UMTS. This elicited some comments on the re-use of existing equipment. In particular, it is possible that old equipment will need to be written-off in order not to stifle innovation. It was asked that the slide presentation in 703/99 be updated in line with this liaison statement.

It was requested that in document 797/99 be also taken into account.

Number	Action	Interested parties	Owner	Status
AP 05.13	Presentation in 703/99 to be edited for		Tommi	
	SA plenary including points from 797; it		Kokkola	
	should be made available before being			
	presented.			

The revised presentation was allocated document 825/99. It was approved.

7.2 ANSI-41 to UMTS Interworking - Report

Document 558/99 contained a draft Technical Report: UMTS Interworking with ANSI-41 Networks. It is a document 332/99, which was noted at the last meeting. It was noted that working is being done on this in North America on harmonizing GSM with IS.41 and IS.136. The group is called GSM ANSI Interworking Taskforce (GAIT) and is a joint effort between GSM North America and the cellular industry.

Randolph agreed to promote representation between S1 and GAIT.

Number	Action	Interested parties	Owner	Status
AP 05.14	Randolph Wohlert to investigate a		Randolph	
	representation between GAIT and S1.		Wohlert	

It was decided to send a liaison statement to GAIT (copy ISRTF, T1P1.5) and copy this to the GSM Association Inter-Standard Roaming Taskforce (ISRTF). This was provided later in 826/99. It was approved.

Document 559/99 contained a revised WID for UMTS Interworking with ANSI-41 networks from TTA. It was noted.

7.4 Proposed Work Item on WAP WAE/SIM Toolkit interworking

No input was received on this issue.

7.5 Proposed Work Item on Circuit Switched Bearers

Document 722/99 contained a liaison statement on QoS Charging-Sensitive Parameters - as Part of the Project Plan Outline: Bearer Services & QoS. S2 are asking S1 to the stated QoS parameters and provide an assessment on which are charging-sensitive related. The assessment results should also provide an input into SA1 documentation.

Furthermore, the information shall be included as part of the Project Plan Outline: Bearer & QoS document, for the pieces of information:

- 1. SA1 assessment results.
- 2. related SA1 documentation information, and
- 3. completion dates for SA1 related documentation

Document 827/99 contained a liaison statement to S2 and S5 on QoS charging sensitive parameters. It was approved.

7.7 Proposals for other new Work Items

7.7.1 Stage 1 for SMS-CB

Document 732/99 contained an adaptation of GSM SMS-CB Stage 1 to UMTS. It was stated that GSM 02.03 has not been transferred to 3GPP and so it was asked what process should be adopted for this. In addition, document 733/99 contained a proposed CR to 02.03 on Adaptation of the SMS Cell Broadcast Service for UMTS. These document were triggered by input from RAN.

It was asked if this is applicable to GSM or if it should be only for UMTS. The answer was that so far it is only for GSM but that this is only to get some form of CB in release '99.

It was noted that the GSM Association has for some time wanted some guidance to mobile manufacturers on SMS-CB in the form of a stage 1. TWG has produced a Technical Note on this and a draft stage 1 was started. Therefore, the Association would support this work, perhaps with two parts, one for GSM and UMTS and the other just for UMTS.

It was agreed in principle that GSM 02.03 should be transferred with the modification of 02.03 as per 733/99, but that the work will be done at the next meeting of S1. In the meantime, it was decided to send a liaison statement to RAN and T2 indicating that S1 will be working towards making SMS-CB a part of release '99.

Document 830/99 contained the liaison statement to T2 and RAN. It was not certain that this was agreed.

7.8 Proposal for Documentation Scheme for R2000

The following documents were noted:

570/99	3G and GSM Specification Handling	MCC
571/99	Implementation of the 3GPP and SMG Specification Handling decisions	MCC
574/99	Release 1999 Specifications (3G TS 21.101 version 0.2.0)	MCC
604/99	Proposed SMG approval method for GSM <r99 3gpp<="" by="" maintained="" specifications="" td=""><td>MCC</td></r99>	MCC
605/99	SMG approval methodology for UMTS Specifications developed within 3GPP	MCC

It was pointed out that despite these document being note, it is incumbent on the delegates to check it.

8 Approval of UMTS Outputs and Liaisons

8.1 S1#5, Munich Report

9 Proposals for ad-hoc meetings including with other groups

10 Administration

10.1 Election of Vice Chairman

A nomination was provided for vice chair in document 589/99. Pacific Bell Wireless and SBC Technology Resources Inc., are kindly nominating Mr. Randolph Wohlert for the position of vice-chair of 3GPP TSG SA WG1. With the importance of the work being undertaken by the group, Pacific Bell Wireless and SBC Technology Resources Inc. and are committed to allocating sufficient resources (both time and travel) to enable Randolph to fulfill the duties of the position.

The meeting was asked if Mr Wohlert could be nominated for the position. The meeting wholeheartedly supported the proposal and congratulated Mr Wohlert on his new position.

11 Any Other Business

11.1 Quality of Internet Services Workshop

Document 578/99 contained a Business Plan for Quality of Internet Services Workshop (ISSS/QoIS) from the ISSS. This was not considered in the meeting.

11.2 Terminology and Vocabulary within TSG-S1

Document 588/99 contained an input on Terminology and Vocabulary within TSG-S1 and 666/99 contained the Vocabulary for 3GPP Specifications. It was note that David Cooper is no longer available support this work and so the chairman asked for nominations for rapporteurs. SA1 is awaiting a proposal.

12 Meeting Calendar

Document 728/99 contained the proposed dates for forthcoming meetings of S1. These were accepted. The are;

S1#6	29 November - 3 December 1999	San Diego, California	Pacific Bell/Ericsson
S1#7	7 – 11 February 2000		
S1#8	3 – 7 April 2000		
S1#9	17 - 21 July 2000		
S1#10	13 -17 November 2000		

Hosts for the meetings will be gratefully received.

13 Closure of Meeting

Document 840/99 contained a number of telling indications on the Oktoberfest effect. It was not clear if this is a sad commentary on our times or important for team building. However, with the presentation of document 820/99 it was decided that the latter is the case.

Based on this, the chairman thanked the delegates for their contributions to the meeting and for the hard work. He thanked the host, Microcell Connexions for all the facilities at the meeting.

ANNEX A - Table of documents

oc. Io.	Title	Source	Doc Pack
529	CR to UMTS 22.105 on QoS to meet requirements identified by the S2	Nortel	
	QoS Adhoc group		
535	Charging Capabilities	FT, TIM	
555	Draft Agenda for SA1 #99-5	MCC	
556	Liaison Statement Concerning Requirements for all-IP Option for Release 2000	T1P1	DP3
557	Use of A5 algorithms for EDGE	SMG10	DP1
558	Draft Technical Report : UMTS Interworking with ANSI-41 Networks	TTA	DP1
559	Revised WID for UMTS Interworking with ANSI-41 networks	TTA	DP1
560	Ways to give user a better quality of service	BT	DP3
561	User and operator views of multimedia via UMTS	BT	DP3
562	Efficient use of radio resource	BT	DP3
563	Radio impacts of end to end IP and multi-media in UMTS	ВТ	DP3
564	Liaison Statement on Follow Me Service	SMG10	DP1
565	GSM UMTS Handover - Requirement on subscriber dependent handover	David Cooper	DP1
566	LS about Overall Delay Budget within the Access Stratum Results and	TSG RAN WG3	DP1
	Requirements		
567	Liaison Statement on multicall and enhancement of call barring services	TSG CN1	DP1
568	Bearer Modification without pre-notification	TSG CN1	DP1
569	A5 Algorithm – use of 64 bits for Kc	SMG10	DP1
570	3G and GSM Specification Handling	MCC	DP1
571	Implementation of the 3GPP and SMG Specification Handling decisions	MCC	DP1
572	3G and SMG Specification Handling	MCC	DP1
573	GSM Release 1999 Specifications (GSM 01.01 version 0.2.0 Release 1999)	MCC	DP2
574	Release 1999 Specifications (3G TS 21.101 version 0.2.0)	MCC	DP2
575	CSE controlled free format charging data for CAMEL3	TSG CN WG2	DP1
576	Number of triggering criteria in O-CSI for CAMEL Phase 3	TSG CN WG2	DP1
577	LS on Active Location Retrieval in CAMEL Phase 3	TSG CN WG2	DP1
578	Business Plan for Quality of Internet Services Workshop (ISSS/QoIS)	ISSS	DP1
579	Answer to the liaison statement concerning requirements for all-IP option for release 2000	TSG SA WG2	DP1
580	Draft specification of Architecture for an All IP network	TSG SA WG2	DP1
	LS on MO SMS triggering in CAMEL phase 3	SERG	DP1
	Status of SIM Application Toolkit after SMG1 / S1 Meeting	SMG1/SMG9	DP1
	Answer to LS on SAT/MExE <-> CAMEL Interworking / Traceability	SMG1	DP1
	Short Message Submission Handling	Sonera	DP1
	Definitions for usage of Multi-mode/system terminals	TSG T WG2	DP1
	The role of MExE and SAT within the OSA concept of VHE	TSG T WG3	DP1
	Support of GSM Services within the USIM application	TSG T WG3	DP1
	Terminology and Vocabulary within TSG-S1	David Cooper	DP1
	Nomination for Vice Chair of TSG SA WG1	SBC	DP1
	Editorial update of references for GSM/3GPP use	Nokia	DP1
	Proposed CR for CAMEL3 Call Forwarding and new TDP interworking	Nokia	DP1
	Proposed CR for CAMEL3 cross phase compatibility update; HPLMN/CSE vs. IPLMN/VPLMN	Nokia	DP1
593	Proposed CR for CAMEL3 corrections and clarifications to dialled services (subscribed & serving network)	Nokia	DP1
594	Proposed CR for CAMEL3 interworking with GPRS; Change of position	Nokia	DP1
	Proposed CR for CAMEL3 completion of CSE initiated call set up procedure	Nokia	DP1
	Proposed CR for CAMEL3 DTMF Mid-Call corrections and clarifications	Nokia	DP1
	Proposed CR for CAMEL3 clean-up of IPLMN and VPLMN references	Nokia	DP1
	Proposed CR for CAMEL3 Defining successful SM submission to SMSC as EDP	Nokia	DP1

Doc.	Title	Source	Doc
No.			Pack
599	Proposed CR for CAMEL3 corrections to new Trigger Detection Points (TDP)	Nokia	DP1
600	CAMEL3 Voice Prompting and Digit collection in active phase of a call	Nokia	DP2
601	Quebec CR overview	Vice Chairman	DP2
602	Location Services Stage 1 Liaison Statement	T1P1	DP2
603	Location Services Stage 1 Change Request for SMG#30	T1P1	DP2
604	Proposed SMG approval method for GSM <r99 3gpp<="" by="" maintained="" specifications="" td=""><td>MCC</td><td>DP2</td></r99>	MCC	DP2
605	SMG approval methodology for UMTS Specifications developed within 3GPP	MCC	DP2
	New FCC Emergency Services Requirements	T1P1	DP2
	3GPP S1 specification release 1999 planning	Ed.ad hoc	DP2
	Bearer Services Supported by a GSM PLMN, 22.002	Ed.ad hoc	DP2
	General on Supplementary Services, 22.004	Ed.ad hoc	DP2
	Service Accessibility, 22.011	Ed.ad hoc	DP2
	International Mobile Equipment Identities (IMEI), 22.016	Ed.ad hoc	DP2
	Personalisation of GSM ME Mobile functionality specification - Stage 1, 22.022	Ed.ad hoc	DP2
	Description of Charge Advice Information (CAI), 22.024	Ed.ad hoc	DP2
	Man-Machine Interface (MMI) of the Mobile Station (MS), 22.030	Ed.ad hoc	DP2
	High Speed Circuit Switched Data (HSCSD) - Stage 1, 22.034	Ed.ad hoc	DP2
	Operator Determined Call Barring, 22.041	Ed.ad hoc	DP2
	Network Identity and Time Zone (NITZ), stage 1, 22.042	Ed.ad hoc	DP2
	Support of Localised Service Area (SoLSA) - Stage 1, 22.043	Ed.ad hoc	DP2
	Mobile Station Application Execution Environment (MExE); Stage 1, 22.057	Ed.ad hoc	DP2
	General Packet Radio Service (GPRS); Stage 1, 22.060	Ed.ad hoc	DP2
	Support of Mobile Number Portability (MNP); Stage 1, 22.066	Ed.ad hoc	DP2
	Priority Set-up Service; Stage 1(ASCI spec), 22.067	Ed.ad hoc	DP2
	Voice Group Call Service (VGCS); Stage 1(ASCI spec), 22.068	Ed.ad hoc	DP2
	Voice Broadcast Service (VBS); Stage 1(ASCI spec), 22.069	Ed.ad hoc	DP2
	Location Services (LCS); Stage 1, 22.071	Ed.ad hoc	DP2
	Call Deflection (CD); Stage 1, 22.072	Ed.ad hoc	DP2
	Support of Optimal Routing; Stage 1, 22.079	Ed.ad hoc	DP2
	Line Identification Supplementary Services; Stage 1, 22.081	Ed.ad hoc	DP2
	Call Forwarding (CF) Supplementary Services; Stage 1, 22.082	Ed.ad hoc	DP2
	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1, 22.083	Ed.ad hoc	DP2
	MultiParty (MPTY) Supplementary Service; Stage 1, 22.084	Ed.ad hoc	DP2
	Closed User Group (CUG) Supplementary Services; Stage 1, 22.085	Ed.ad hoc	DP2
	Advice of Charge (AoC) Supplementary Services; Stage 1, 22.086		
		Ed.ad hoc	DP2 DP2
	User-to-user signalling (UUS); Stage 1, 22.087	Ed.ad hoc	
	Call Barring (CB) Supplementary Services; Stage 1, 22.088	Ed.ad hoc	DP2
	Unstructured Supplementary Service Data (USSD); Stage 1, 22.090	Ed.ad hoc Ed.ad hoc	DP2 DP2
	Explicit Call Transfer (ECT) Supplementary Service; Stage 1, 22.091		
	Call Completion to Busy Subscriber (CCBS); Stage 1, 22.093	Ed.ad hoc	DP2
	Calling Name Presentation (CNAP); Stage 1, 22.096	Ed.ad hoc	DP2
	Multiple Subscriber Profile (MSP); Stage 1, 22.097	Ed.ad hoc	DP2
	UMTS phase 1 capabilities, 22.100	Ed.ad hoc	DP2
	Principles of Telecommunication Services Supported by a GSM PLMN, 02.01	Ed.ad hoc	DP2
	Teleservices Supported by a GSM PLMN, 02.03	Ed.ad hoc	DP2
	Mobile Station (MS) Features, 02.07	Ed.ad hoc	DP2
	Procedures for Call Progress Indications, 02.40	Ed.ad hoc	DP2
	Liaison Statement on 3G-H.324M	TSG-N1 / TSG- N3	DP2
	CR to 02.07 on GSM in the 400 MHz bands	Ericsson, Nokia	DP2
648	CR to 02.40 on GSM in the 400 MHz bands	Ericsson, Nokia	DP2

Doc. No.	Title	Source	Doc Pack
_	CR to 02.43 on SoLSA – Support of Localised Service Area	Ericsson	DP2
	Minor changes to 02.94 (Follow Me) due to LS from SMG10	Siemens	DP2
	proposed version 2.1.0 of 02.94 (Follow Me)	Siemens	DP2
	Support of mutiple access scheme for Voice Services in Release 2000	Dolphin	DP2
	Clarity of the term "Release 99"	BT	DP3
	Class B mode of operation R97	Siemens	
	Class B mode of operation R98	Siemens	
	Class B mode of operation R99	Siemens	
657	Emergency Call Operation	NTT MTC	DP4
	Usage of SIM and USIM	NTT MTC	DP4
659	CR to 22.002 on Bearer services related to PIAFS	NTT MTC	DP4
660	The function that gives notification of the gateway server IP address from the network to the mobile phone. (GPRS)	NTT MTC	DP4
661	Proposed CR to TS22.135 (Multicall)	NTT MTC	DP4
	Proposed CR to TS22.083 (Call Hold)	NTT MTC	DP4
663	Bearer modification without pre-notification and requirement for R99	NTT MTC	DP4
	Support for Anonymous Call Rejection R99	S1	DP3
	GPRS Stage 1 rel 99 Editorial corrections	S1	DP3
	Vocabulary for 3GPP Specifications	S1?	DP3
667	Draft 1 Report of the 3GPP SA WG2 Meeting # 8	S2K	DP3
668	Release 2000 document structure	Nokia	DP3
669	Architecture for an All IP network (3G TR 23.xyz version 0.1.0)		DP3
670	Background Information for Short Message Submission Handling	Sonera	DP6
671	CAMEL Phase 3: Overview and Agenda S1/N2 Meeting (Version 7, 1999-09-29)	MMO	DP6
672	CR to 02.78 on Notification of Charging: Enhancement to charging capabilities	MMO	DP6
673	Interworking with SAT and MExE!	MMO	DP6
674	Correction Annex A.1; Information provided to the CSE	MMO	DP6
675	Correction Annex A.2; Information sent by the CSE	MMO	DP6
676	Correction on GPRS handling	Ericsson	DP6
677	CR to 22.078 on Corrections to CAMEL interworking with GPRS	Ericsson	DP6
678	Scope of CAMEL Phase 3 R99	TSG N WG2	DP6
679	CR CCBS Interworking	Vodafone	DP6
680	LS regarding the scope of CAMEL Phase 3	S1	DP5
681	Short Message Submission Handling (version2)	Sonera	DP6
682	LS Back to SERG	Sonera	DP6
683	Clarification on the CAMEL subscription structure	Siemens	DP6
684	CR O-CSI Information	Ericsson	DP6
	LS Back O-CSI information	Cellnet	DP6
	CR Free formatted information	Ericsson	DP6
	Support of Location Services in CAMEL Phase 3	Ericsson	DP6
	Charging clarifications for MO-SMS Defining Successful SM submission and Unsuccessful SM submission as EDP-N	Ericsson Ericsson	DP6
	and EDP-R. Draft Agenda	Rapporteur	DP5
	22.140 MMS Stage 1 V.0.2.2	Rapporteur	DP5
	Non-realtime multimedia messaging requirements	Motorola,	DP5
092	Non-realitine multimedia messaging requirements	Siemens, BT, T-Mobil, France Telecom and Lucent Technologies	ы
603	Multimedia Messaging Service Requirements	BT Cellnet	DP5
	Non-realtime multimedia messaging proposals	Motorola,	DP5
094	rvon-realithe multimedia messaging proposals	Siemens, BT,	טרט
		T-Mobil, France	

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		Telecom and	
		Lucent Technologies	
695	"Reservations" with the proposed MMS Stage 1	Motorola,	DP5
	Trecorrations with the proposed name etags	Siemens	
696	MMS AdHoc Report	MMS as hoc	DP5
697	MMS based on Service Capability Features	France Télécom	DP5
698	Proposed changes for MMS stage 1 introduction	NOKIA	DP5
	Proposed change for MMS stage 1 introduction - Minimum Requirements	T-Mobil	DP5
	Release 2000 document structure (Revised 668)	Sub-group	DP4
	Slides on ALL IP option for Release 2000 V0.9	Sub-group	DP4
	Slides on ALL IP option for Release 2000 V1.0	Sub-group	DP4
	Report from S1 ad hoc meeting	Sub-group	DP4
	R2000	Oub group	D1 T
	Migration of a GSM/UMTS R'99 network into R'00	Ericsson	DP3
	Channel coding asymmetry for ECSD	Ericsson	DP3
	Proposed CR for MSP	Vodafone	DP3
	SIM Application Toolkit Traceability	MMO	DP3
	SAT Handover notification and termination of call	MMO	DP3
	SAT Interworking with CAMEL	MMO	DP3
	Architecture overview for UMTS R99	Nokia	DP3
	Proposed LS on Emergency call requirements for rel 99	Nokia	DP3
	Proposed CR to 22.101 on Emergency Calls	Nokia	DP3
	LS on Introduction of Mailbox Presence & Count Indication Service	SMG9	DP3
	LS and CR on Indication to the user of SIM error codes	SMG9	DP3
716	Conformance requirements for volume based charging for IP domain, TDoc S2- 99663	TSG-SA WG5	DP3
	GPRS Barring Scenarios	BT Cellent	DP3
	LS statement on RAB requirements for CS data	TSG-CN WG3	DP3
	LS on Enhanced User Identity Confidentiality	TSG-SA WG2	DP3
	Liaison Statement on UMTS and RAB parameter value ranges and granularity	TSG SA WG2	DP3
721	Draft Response liaison on RAB requirements for CS data and architecture for CS	Ericsson	DP3
722	data services Liaison Statement: QoS Charging-Sensitive Parameters - as Part of the Project	TSG SA WG2	DP3
	Plan Outline : Bearer Services & QoS Answer to the LS on Tandem Free Operation, Transcoder Free Operation, DTMF	TSG SA WG2	DP3
	Signalling	130 3A WG2	DF 3
724	LS on SRNS Relocation and handover	TSG SA WG2	DP3
725	Proposal for GPRS/UMTS handover and PS Relocation	TSG SA WG2	DP3
726	SRNS Relocation principles for Real time and Non Real Time	Alcatel	DP3
727	LS on CBS Functionality and Responsibility	3GPP TSG N1	DP3
728	Proposed Dates for forthcoming meetings of S1	Chairman	DP3
729	Response to "LS about Synchronisation"	TSG-CN WG1	DP3
730	Response to LS on Service/Baseline Implementation Capabilities	TSG-CN WG1	DP3
	Liaison Statement on Support for VHE/OSA Stage 2	TSG CN WG2	DP3
732	Adaptation of GSM SMS-CB Stage 1 to UMTS	MMO	DP3
	CR to 02.03 on Adaptation of the SMS Cell Broadcast Service for UMTS	MMO	DP3
734	CR to 22.101 Multiple USIMs per UICC	Vodafone	DP3
735	Support of SAT by USIM	France Télécom,	DP3
		Lucent, MMO	
736	CR to 22.100 on Support of SAT by USIM	France Télécom, Lucent, MMO	DP3

Doc. No.	Title	Source	Doc Pack
737	CR to 22.101 on Support of SAT by USIM	France	DP3
		Télécom,	
		Lucent, MMO	
	LS about Synchronisation	TSG T WG2	DP3
739	Liaison Statement - Cover letter for TR21.904, Terminal Capabilities Report, interim version	TSG T WG2	DP3
740	Report on Terminal Capability Requirements	TSG T WG2	DP3
741	LS on CLI and ACR	ETSI SPAN2	DP3
742	Meeting report of Joint SMG1 & 3GPP_TSG_SA_WG1 Quebec	Chairman	DP3
743	Meeting report of 3GPP_TSG_SA_WG1 Quebec	Chairman	DP3
744	Proposed CR to Data services streamlining to 22.030	SA WG1	DP3
745	GPRS class B MS operation	Ericsson	DP3
746	Service Capabilities and Service Capabilities Features.	Fujitsu	DP4
747	Proposed CR to 22.121 on Virtual Home Environment.	Fujitsu	DP4
748	Requirement for VHE R00 services	Fujitsu	DP4
749	Liaison statement on selected location service methods for Release '99	RAN2	DP4
750	CR to clarify the usage of SIM and USIM	T-Mobil	DP4
751	CR to 22.975 on IMUI = IMSI	T-Mobil	DP4
752	Clarification of Bearer Modification without pre-notitification and requirement for R99	NEC	DP4
753	Definitions for usage of Multi-mode/system terminals		DP4
754	Answer from Wayne on 22.105 from section 4.2.4		
755	Status of VHE/OSA stage 2 work	TSG-SA WG2	DP5
756	Motication fo MExE and SAT as SCSs in OSA	Ericsson	DP5
757	Benefit of Assisted GPS in UTRAN	Lucent Technologies	DP4
758	Accuracy for Location Services	Lucent Technologies	DP4
759	CR to 22.060 on Class B mode of operation	Vodafone	DP4
	Bearer Modification without pre-notification	ВТ	DP8
	CR to 22.105 on Correction of nomenclature	ВТ	DP8
762	CR to 22.125 on Addition of Charging for Volume of Data and some edits.	BT	DP8
763	CR to 22.105 on Removal of material not in release 99	ВТ	DP8
764	Reserved	ВТ	
765	Reserved	ВТ	
	Reserved	ВТ	
767	Reserved	ВТ	
768	Reserved	ВТ	
769	Reserved	ВТ	
	CR to 22.078 on CAMEL3 corrections to new Trigger Detection Points (TDP)	Nokia	DP6
	CR CSI description		DP6
772	Clarification the behaviour when network provided dialled services are used.	Siemens	DP6
773	CR to 22.078 on CAMEL3 corrections and clarifications to dialled services (subscribed & serving network)	Nokia	DP6
774	Charging clarifications for MO-SMS	Ericsson	DP8
	CR to 22.078 on CAMEL3 Call Forwarding and new TDP interworking	Nokia	DP5
	CR to 22.078 on Support For MSP Phase 2	Vodafone	DP5
	CR to 22.078 on MSP Phase 2 requires CCBS recalls to be charged to the correct profile, hence notification of CCBS invocation is required.	Vodafone	DP5
778	Reserved CAMEL (Not used)		
	Reserved CAMEL (Not used)		
	Proposed CR to the VHE stage 1	Siemens	DP5
	CR to 02.83 on Multicall	Ericsson	DP4
	CR to stage 1 Multicall 22.135	Ericsson	DP4
	CR to stage 1 Multicall 22.135 on Call Waiting and Call Hold	Ericsson	DP4

Doc.	Title	Source	Doc
No.			Pack
784	Annex of Multi-Call	ad hoc	
785	Stage 1 for Multicall version 1.4.0	ad hoc	DP4
786	Report from multicall ad hoc (28.9.1999)	ad hoc	DP4
	Proposed CR to 22.083 on Multicall	ad hoc	DP4
	Proposed CR to 22.087 on Multicall	ad hoc	DP4
	Connectionless services during the call	ad hoc	DP4
790	CR Class B mode of operation R97		DP5
791	CR Class B mode of operation R98		DP5
792	CR Class B mode of operation R99		DP5
793	Answer to LS on SAT/MExE <-> CAMEL Interworking / Traceability	SMG9	DP4
794	LCS Functional Requirements in UMTS specifications and CR to 22.071	Nokia	DP4
795	Proposed CR to 22.071 on LCS accuracy requirements	Nokia	DP4
796	LS on MO SMS triggering in CAMEL phase 3	SERG	DP4
797	LS on Requirements for an " all IP" option for UMTS	EP UMTS	DP4
798	Minutes of the S1 AAEW ad hoc	S1 AAEW	DP4
799	Report of the S1 AAEW ad hoc	S1 AAEW	DP4
	Location Services Stage 1 Change Request for SMG#30 CR A001	S1	DP5
801	Modification of propose SAT stage 1	France	DP5
		Telecom	
802	Proposed CR to 22.060 on GPRS Barring Scenarios	ad hoc	DP8
803	Proposed CR to 22.041 on GPRS Barring Scenarios	ad hoc	DP8
804	Performance requirements for real time services and requirements for handover between UMTS and GPRS	Rapporteur	DP5
805	CR to 22.129 on Multicall handover	Rapporteur	DP5
806	Draft Answer to LS on SRNS Relocation and handover	Rapporteur	DP5
807	Joseph		
808	Report of the VHE ad hoc.	ad hoc	DP8
809	CR to 21.121 on Virtual Home Environment.	VHE ad hoc	DP5
810	3G Services Concept	VHE ad hoc	DP5
811	CR to 02.97 on MSP	Vodafone	DP5
812	Proposed version 2.1.0 of 22.094 (Follow Me)		
813	Updated WID for MS and Network resident application environments		
814	Comments to TS 22.135 V 1.5.0 (doc 785/99) for multicall	Siemens	DP5
815	Response from 587 Mickael and Jean Paul		
816	CR to clarify the usage of SIM and USIM (revised 750)	S1	
817	CR to 22.115 on UMTS charging and billing	TIM	DP5
818	MMS Stage 1 22.140 version 0.3.0	MMS	DP5
819	Support of ASCI requirements	ВТ	DP8
820	Oktoberfest	Photographer	DP7
821	MMS Stage 1 22.140 version 1.0.0	Rapporteur	DP8
822	LS to S2 on Multimedia Messaging Service (MMS), Stage1	S1	DP9
823	Response to Liaison Statement from T1P1.5 on Location Services	S1	DP8
824	Liaison Statement on SAT/MExE <-> CAMEL Interworking / Traceability	SMG3, N1	DP8
825	Slides on ALL IP option for Release 2000 V1.0	Vice chairman	
826	LS to GAIT on ANSI/GSM inteworking	Vice chairman	DP8
827	Report to S1 on QoS and Charging from document 722	Wayne, Horst, Barbara	
828	LS to N1, T3 and S3 on SAT Handover notification and termination of a call	Vice chairman	
	Proposed version 2.0.0 of 22.038	Rapporteur	1
	LS to T2 and RAN indicating that SMS-CB should be a part of release '99	MMO	
	CR to 22.071 from document 800/99	MCC	
	LCS Functional Requirements in UMTS specifications and CR to 22.071 (revision of 794/99)		
833	Proposed CR to 22.071 on LCS accuracy requirements (revision of 795/99)	Nokia	
	- 1- 1- 1- 1 - 1 - 1 - 1 - 1 - 1 - 1 -		

Doc. No.	Title	Source	Doc Pack
834	Liaison statement to on selected location service methods for Release '99		DP8
835	Updated TS 22.135 V 1.5.0 (doc 814/99) for multicall	Siemens	DP8
836	Definitions for usage of Multi-mode/system terminals		DP8
837	CR to 22.100 on usage of Multi-mode/system terminals	Rapporteur	
838	LS TSG S2 on VHE/OSA	VHE ad hoc	DP8
839	LS on the notification of the server IP address from the GPRS network to the GPRS subscriber	S1	DP8
840	Oktoberfest effect	Manfred	
841	The function that gives the notification of the server IP address from the GPRS network to the subscriber	NTT DoCoMo	DP8
842	MMS Stage 1 22.140 version 0.3.0	Vodafone	
843	CR to 22.129 on Performance requirements for real time services and requirements for handover between UMTS and GPRS	Rapporteur	
844	Draft Answer to LS on SRNS Relocation and handover	Rapporteur	
845	CR to 22.121 to put content of 529	Jumoke	
846	LS to ask for ad hoc between S1 and ****		
847	CR to 22.030 on Indication to the user of SIM error codes	Vodafone	
848	Proposed LS on Emergency call requirements for rel 99		
849	CR to 22.101 on Emergency Call	NTT DoCoMo	
850	Proposed CR to 22.041 on GPRS Barring Scenarios (Replaces 803)		
851	CR to 22.101 on Emergency Call	Nokia	
852	Project Plan on location and cell broadcast services in UMTS	Nokia	
853	Liaison statement to on selected location service methods for Release '99		
854	Proposed CR to 22.083 on Multicall		
855	Proposed version 2.0.0 of 22.038		
856	CR to 22.100 on usage of Multi-mode/system terminals		
857	CR to 22.101 on Emergency Call	NTT DoCoMo	

ANNEX B – Participants list

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ANNEX A - GSM SPECIFICATIONS (02.xx series) TRANSFERRED TO 3GPP

Туре	Number	GSM No	Equivalent GSM Ver	Title
TS	22.002	02.02	8.0.0	Bearer Services Supported by a GSM PLMN
TS	22.004	02.04	8.1.0	General on Supplementary Services
TS	22.011	02.11	7.0.1	Service accessibility
TS	22.016	02.16	7.0.0	International Mobile Equipment Identities (IMEI)
TS	22.022	02.22	7.0.0	Personalisation of GSM ME Mobile functionality specification - Stage 1
TS	22.024	02.24	7.0.0	Description of Charge Advice Information (CAI)
TS	22.030	02.30	7.1.0	Man-Machine Interface (MMI) of the Mobile Station (MS)
TS	22.034	02.34	8.1.0	High Speed Circuit Switched Data (HSCSD) - Stage 1
TS	22.038	02.38	1.2.0	SIM application toolkit (SAT); Stage 1
TS	22.041	02.41	7.0.0	Operator Determined Call Barring
TS	22.042	02.42	8.0.0	Network Identity and Time Zone (NITZ), stage 1
TS	22.043	02.43	7.1.0	Support of Localised Service Area (SoLSA) - Stage 1
TS	22.057	02.57	8.0.0	Mobile Station Application Execution Environment (MExE); Stage 1
TS	22.060	02.60	8.1.0	General Packet Radio Service (GPRS); Stage 1
TS	22.066	02.66	7.0.1	Support of Mobile Number Portability (MNP); Stage 1
TS	22.067	02.67	7.0.0	Priority Set-up Service(PSUS); Stage 1(ASCI spec)
TS	22.068	02.68	7.0.1	Voice Group Call Service (VGCS); Stage 1(ASCI spec)
TS	22.069	02.69	7.0.1	Voice Broadcast Service (VBS); Stage 1(ASCI spec)
TS	22.071	02.71	7.0.0	Location Services (LCS); Stage 1 (T1P1)
TS	22.072	02.72	7.2.1	Call Deflection (CD); Stage 1
TS	22.078	02.78	8.0.0	CAMEL phase 3; Stage 1
TS	22.079	02.79	7.0.0	Support of Optimal Routing; Stage 1
TS	22.081	02.81	7.0.0	Line Identification Supplementary Services; Stage 1
TS	22.082	02.82	8.0.0	Call Forwarding (CF) Supplementary Services; Stage 1
TS	22.083	02.83	7.0.0	Call Waiting (CW) and Call Hold (HOLD) Supplementary Services; Stage 1
TS	22.084	02.84	7.0.0	MultiParty (MPTY) Supplementary Service; Stage 1
TS	22.085	02.85	7.0.0	Closed User Group (CUG) Supplementary Services; Stage 1
TS	22.086	02.86	7.0.0	Advice of Charge (AoC) Supplementary Services; Stage 1
TS	22.087	02.87	7.1.1	User-to-user signalling (UUS); Stage 1
TS	22.088	02.88	7.0.0	Call Barring (CB) Supplementary Services; Stage 1
TS	22.090	02.90	8.0.0	Unstructured Supplementary Service Data (USSD); Stage 1
TS	22.091	02.91	7.0.0	Explicit Call Transfer (ECT) Supplementary Service; Stage 1
TS	22.093	02.93	7.0.0	Call Completion to Busy Subscriber (CCBS); Stage 1
TS	22.094	02.94	1.0.0	Follow Me Stage 1
TS	22.096	02.96	7.0.0	Calling Name Presentation (CNAP); Stage 1 (T1P1)
TS	22.097	02.97	7.1.0	Multiple Subscriber Profile (MSP); Stage 1

ANNEX B - SUMMARY OF S1 DELIVERABLES:

Specifications and Reports (Note: Annex A and B may be combined)

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:

Specs SA#4	Title	Rapporteur	Not Yet Approve d	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		Updated with approved CRs at SA#4 in Miami.
TS22.101 V3.6.0	UMTS SERVICE PRINCIPLES	Paul Dwyer, Vodafone		V3.4.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.105 V3.5.0	SERVICES AND SERVICE CAPABILITIES	Wayne Ashwell, British Telecom		V3.2.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.115 V3.1.0	SERVICE ASPECTS: CHARGING AND BILLING	Emanuele Montegrosso, TIM		V 3.0.0 SMG#28		Updated with approved CRs at SA#4 in Miami.
TS22.121 V3.0.0	VIRTUAL HOME ENVIRONMENT	Jumoke Ogunbekun, Fujitsu		V1.0.0 at TSG_SA#3		Approved at SA#4 in Miami
TS22.129 V3.0.0	HANDOVER REQUIREMENTS BETWEEN UMTS AND GSM OR OTHER RADIO SYSTEMS	David Cooper, TELECOM MODUS		V2.0.0 at TSG SA#3		Approved at SA#3
TS22.135	DRAFT MULTICALL	Tommi Kokkola, Nokia	V1.2.0 at S1#4		V2.0.0 at SA#5	INFORMATION AT SA#3 Not Presented at SA#4
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 anymore)

TR22.907	UMTS TERMINAL AND SMART CARD CONCEPTS	Mika Tolvanen, Nokia	V.3.0.1	Not Updated anymore,
			SMG#29	Kept

TR22.924	CHARGING AND ACCOUNTING MECHANISM	Emanuele Montegrosso, TIM		V3.0.0		Not Updated anymore
				SMG#25		
TR22.925	QUALITY OF SERVICE AND NETWORK PERFORMANCE	Olle Eriksson coordinates		V3.1.0		
	Use the information from 22.25 into 22.05 bringing in QoS	QoS		SMG#25		
	requirements from other regions was proposed					
TR22.970	VIRTUAL HOME ENVIRONMENT	Jumoke Ogunbekun, Fujitsu		V3.0.0		Not updated anymore
				SMG#25		
TR22.972	MULTIMEDIA	Ralf Fischer, Bosch	V0.0.0	V1.0.0 at TSG	V1.0.0	
				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 Kokkola, 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 WI 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- 212 NEW EXPECT ED	ATT,	Study	R99	On-going	
Multicall	S1- 189 NEW EXPECT ED	Tommi Kokkola, Nokia	Stage 1 specification, Stage 2 (ffs), CR to existing specifications	R99	On-going	