Source:	TSG-SA Secretary (Maurice Pope)
Title:	Draft Report of TSG SA Meeting #2
Document for:	Approval at TSG SA meeting #3
Agenda Item:	3

Draft Report TSG-SA Meeting #2, 2-4th March 1999

1   Opening of meeting #2

Mr. Fred Harrison, the Convenor, welcomed delegates to the meeting and thanked the hosts for the meeting arrangements.

2   Welcome address by Host

Mr. Chuck Bailey, Director of Standards at SPC Technical Resources gave a welcoming address on behalf of the co-hosts. Delegates were invited to a reception on the Wednesday evening.

3   Adoption of the agenda

The agenda was adopted, with a request to postpone the report from the UMTS Forum until later, in order to give time for discussions at the 3GPP co-ordination group (agenda Item 6).

The election arrangements for TSG chairmen was presented. Each TSG Chair will be elected in sequence - CN, T, SA, RAN. The PCG will then meet and make the appropriate appointments. CN election will start at 09.30. Results of elections will be announced after each election before moving onto the next election. TSG vice chairmen elections would commence after the completion of all TSG chairmen elections.

4   Approval of meeting report of TSG-SA meeting #1

The report is provided in [SP-99005]. Mr. Yuhan. WG5 Convenor, requested clarification on section 13.7. WG5 is described as an ad-hoc group, whereas it should have been described as an interim group. It was agreed to delete "ad-hoc" and change to "interim". With this modification the report was approved.

> DECISION 1:   Report of TSG SA Meeting #1 approved with 1 editorial modification.

The report of the joint TSG sessions of the inaugural meetings, given in [SP-99006], provided for information, was noted.

5   Convenors report and objectives for meeting #2

The Convenor presented [SP-99028], the Convenors report and objectives for the meeting.

The working groups have been established and have all started work. Transfer of work from Partners is in progress, ETSI/SMG have identified work items to hand over following the SMG#28 meeting in Milan. The PCG has now had it's first meeting and appointed Mr. Karl-Heinz Rosenbrock (ETSI) as Chairman, Mr. Akio Sasaki (ARIB), and Mr. Asok Chatterjee (T1) as Vice-Chairmen. The PCG also generated some guidance on voting which will be presented later (document [SP-99064]). The PCG will meet during the week and on Thursday afternoon.

The objectives of the meeting were to elect the Chairman and Vice-Chairmen, to receive reports from Working Groups (WGs) and to examine and establish the Work Programme. The Project Co-ordination Role of SA should be examined and Project Support requirements need to be agreed and proposed to the PCG for consideration.

It was decided that "electronic discussion" should be the norm rather than the exception, and dialogue on subjects related to the TSG work should not wait for TSG meetings.

> DECISION 2:   Discussions on TSG work should be done by electronic means between TSG meetings.

In principle, delegation of decisions should be to the lowest possible level and escalation of issues to PCG level should be avoided and issues solved at the working level.

Mr. Bishop asked for early discussion of the co-ordination role of SA. It was clarified that the other TSGs will discuss inter-TSG issues before Thursday and send representatives to the SA meeting on Thursday morning to discuss co-ordination issues.

6   Liaison with UMTS Forum

Mr. Beijer and Mr. Watson gave a presentation of the UMTS Forum Status report to 3GPP, given in [SP-99083].

The first Phase of the UMTS Forum activities have been completed and resulted in 6 reports (these reports are available at http://www.umts-forum.org/reports.html). The next stage is the "Quo Vadis" study, which resulted in some further objectives and direction for the UMTS Forum.

Mr. Beijer reported that the UMTS Forum is now a 3GPP Market Representation Partner and has full commitment to the 3GPP and will help in it's work. The UMTS Forum are currently addressing the visibility of the Forum and communication problems identified between the 3GPP Members and UMTS Forum Members, as there are not many common delegates in both the UMTS Forum and 3GPP.

The UMTS Forum will prepare contributions into the SA group on Market Requirements for UMTS, but do not intend to contribute in the detailed technical work. Regular reports from the UMTS Forum will be submitted to 3GPP, backed up with liaison officers to present specific messages and proposals to 3GPP in order to increase the impact of the reports in the work of the groups.

It was agreed that a good relationship with the UMTS Forum was important to 3GPP and SA welcomed the provision of liaison officers to help in the reception of the reports in the TSGs.

Following a question from the delegates, it was reported that support for the 3GPP2 Project is still under discussion between the UMTS Forum and 3GPP2.

7   Other Liaisons

7.1   Liaisons with other bodies

Document [SP-99056] was considered. It was observed that the work item on IS41 would benefit from the co-ordination offered by the ITU-T on different family members of IMT-2000.

It was reported that other TSGs are drafting liaisons on this item, and that a common statement should be provided by 3GPP. It was decided to get the liaison people together from the TSGs and formulate between them a common statement to be discussed at the joint TSG co-ordination meeting.

Mr. Adams investigated and reported back that the statement should come from the PCG and the TSG Convenors should report the discussions to the PCG meeting.

> DECISION 3:   The result on discussions about ITU liaison should be presented to the PCG for consideration.

7.2   Liaisons with TSG-T, TSG-CN and TSG-RAN

Document [SP-99079] (UMTS 22.29 version 1.0.0 - UMTS Handover Requirements between UMTS and GSM or other Radio Systems) was provided for information. The contribution was noted by the meeting and comments on the document should be sent to SA WG1.

7.3   Co-ordination session with other TSGs

The objective of this session was to discuss cross-TSG issues which have been identified. TSG T and TSG CN had recessed to join the TSG SA meeting for this agenda item. TSG RAN were continuing in parallel session, but had sent the two vice chairmen of TSG RAN to report into TSG SA.

SA issues:

3 major issues have been identified:

Project co-ordination role.

Document [SP-99050] on Project Co-ordination from the SA Convenor and document [SP-99068] on the need for a TSG Plenary for Co-ordination from various companies were discussed at length and concluded with a meeting structure to manage project co-ordination based upon [SP-99050] and encompassing the requirements expressed by [SP-99068], edited by an ad-hoc group, which was chaired by Mr. Gary Jones.

The results are given in [SP-99081] which was presented by Mr. Jones. Further discussion and clarification ensued, and the document was further updated as [SP-99087].

The major points of the agreement are:

- that TSG SA will not, in principle, meet at the same time as the other TSGs for its Project co-ordination role, so that representatives of each of the other TSGs and TSG SA WGs can report to the TSG SA meetings, to facilitate information exchange between WGs and the TSGs. This does not rule out the possibility of some overlap of meetings of the other TSGs and TSG SA, for agenda items not directly related to Project co-ordination. This principle does not apply to the WGs of TSG SA, who may meet with other groups as appropriate for the co-ordination of their work.

- that TSG SA will be the co-ordination point for the approval of 3GPP work. TSGs can approve their own work items and report this to TSG SA who will check that there is no duplication or conflict of work between the TSGs, resolving any such issues which arise or are brought to their attention from the other TSGs.

- that TSG SA confirms its role for the arbitration of disputes between TSGs, as documented in the 3GPP Working procedures.

After this discussion, it was agreed to approve the principle of the updated document [SP-99087] for submission to the PCG.

DECISION 4:   The Project Co-ordination principles provided in [SP-99087] will be presented to PCG for approval.

Issues on Multimedia (liaison with TSG T).

It is recognised that work has been progressed between SMG1, SMG4 and SMG12, and SA propose that we continue this work in 3GPP by a cross WG ad-hoc group being set up between SA WG1, SA WG2, SA WG4 and T WG2. This was agreed and TSG T WG2 are asked to lead the initial meeting on this work. Following that the work should follow the normal process through SA WG1 and SA WG2.

DECISION 5:   TSG T WG2 to lead a cross WG ad-hoc group on Multimedia, made up of TSG SA WG1, WG2 and WG4 and TSG T WG2.

Working methods.

It was generally agreed that common working methods are essential for the co-ordination of the 3GPP work and Mr. Donat has been asked to present a contribution on this under agenda item 14.

TSG T Issues.

Mr. S. K. Park (TSG T Convenor) reported that issues had been raised by TSG T concerning UE capabilities, resulting in the establishment of an ad-hoc group. Mr. Andersen was asked to report the results, which were as follows: Terminal capabilities should be defined by the groups working on the systems themselves, T2 should define implementations required and prioritise the implementations in order of urgency. The full report of the ad-hoc group is given in [SP-99086].

Mr. Cooper asked where [TP-99057] should be addressed. It was decided to consider it in the Terminals meeting.

TSG CN issues.

Mr. Hayes (TSG CN Convenor) reported the issues of CN: The main issues refer to cases where work is held up awaiting architecture input, i.e. UMTS 23.20 is awaiting contributions . Mr. Yabusaki reported that in order to meet the deadline, they need to target the May 1999 meeting for completion, and stages 1 and 2 need to be stabilised by the beginning of May 1999. Each CN group should therefore start work by the end of March 1999. In this way the specifications can be almost stable by the deadline and protocols can be developed. Clarification of Liaison statement [NP-99067] (equivalent to [SP-99080]) was requested. SA WG2 chairman reported that UMTS 23.20 [SP-99039] will be used for project co-ordination and that the working assumptions (clause 7) of this document should be used as a basis for work in the other TSGs.

Mr. Yabusaki asked how the specification could be obtained. Mr. Courau explained that the document was under approval by correspondence and will be transferred when approved by SMG and will be available very soon. The SA WG2 report gives more information on the status of UMTS 23.20.

All UMTS documents which will be transferred to 3GPP will be available as soon as they are approved by SMG and placed on the 3GPP FTP server.

Mr. Cox proposed that all the approved 22.xx documents for transfer should be placed on the 3GPP FTP site.

Mr Dettner expressed the need for base documents in order for the work of CN to be done. The short deadlines require very fast transfer of the required base documents in order that CN can start work. Mr. Järvinen reported that work can start with liaisons on status of work from the WG and that work is expected to be stable in April 1999. Mr. Cox added that information is also available in [SP-99080].

Mr. Järvinen reported that UMTS 23.20 has been focussed on since October 1998. Mr. Collins added that this is approved text and will not be changed unless serious problems are identified. This can now be used with the clarification that clause 7 and clause 8 are stable and clause 9 is still under discussion.

Mr. Hayes reported liaisons have been sent to SA WG1, WG2 and WG3 and fast responses have been requested. A new work item has been proposed to group together some related items [NP-99069] which concerns the SA WG2 group where deadlines need to be agreed to. Mr Järvinen responded that he understood the urgency of the work and would take this to the next meeting of SA WG2 and respond to CN.

Mr. Thomas commented that a reference to UMTS 22.00 should be added to the Work item sheet. Mr. Hayes responded that the draft work item description will be reviewed and updated.

It was reported that RAN were scheduling meetings every 6 weeks and this scheduling is one of their biggest problems, in relation to the meetings being held by other groups. Mr. Courau requested guidance on UMTS 22.00 and UMTS 23.20 and would raise this in the RAN meeting.

At the conclusion of business on this item (which was taken after the Chairmanship election), Mr. Andersen thanked Mr. Harrison for his good work as Convenor of TSG SA and this sentiment was endorsed and applauded by the group.

8 Election of TSG Chairman and Vice-Chairmen

The PCG provided document [SP-99064] to explain the appointment of TSG Leaders and details some principles that will help provide a smooth appointment without the need for intervention by the PCG.

Mr. Graham Rose explained the Voting procedure provided in [SP-99041] and then summarised the Voting procedures from the 3GPP Working Procedures.

The Convenor asked if any further candidates were proposed for the post of Chairman of TSG SA. None were proposed and the Voting round was declared open.

Mr. Harrison made a presentation of his candidature which is given in [SP-99003].

Mr. Andersen made a presentation of his candidature which is given in [SP- 99004].

Mr. Rose summarised the voting process again. TSG SA recessed for 30 minutes in order to allow delegates to cast their votes.

The results of the first round was as follows: 112 Votes cast, 1 invalid = 111 valid votes cast

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Mr. Harrison: 35 (31.53%).

Mr. Andersen   76 (68.47%).

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Under the rules of TSG Chairman elections, a candidate requires 71% of the votes cast to be elected in the first round. A second round would therefore be necessary, where > 50% of votes cast would be required for election.

Mr. Harrison announced that he would withdraw from the election and **Mr. Andersen was applauded as the elected Chairman of TSG SA** (subject to appointment by PCG, which was later confirmed).

Election of Vice Chairmen. 2 of the original 4 candidates withdrew their candidatures, leaving the following candidates for the 2 Posts of Vice Chairman, who were elected by acclamation (subject to appointment by PCG, which was later confirmed):

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Mr. Gary Jones.

Mr. Armin Toepfer.

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9 TSG-SA Working Group Reports

9.1 WG1 Services

Mr. Cox, SA WG1 Convenor presented his report, contained in [SP-99007].

ARIB and TTC requirements documents, equivalent to the UMTS 21.xx series, are proposed for approval by SA.

UMTS 22.xx series are requested for adoption by SA WG1 and placing on Change Control.

Mr. Tarazi, the Project Manager for SA WG1 was thanked for his hard work and Mr. Cox reported that support of this type was considered very important by SA WG1 and that support requirements need to be discussed within TSG SA. This was covered under agenda item 13.

Document [SP-99010] is a list of planned deliverables and time scales from SA WG1 and was presented to SA for approval. Mr. Cox explained that the work was at various stages of progress and outlined the expected approval dates.

A request for a comparison between existing documents and newly contributed material was made. It was reported that the analysis is ongoing and will continue in the SA WG1 meeting in Edinburgh (8-12 March 1999). As the work in SA WG1 proceeds, the list of deliverables in [SP-99010] will be updated in the light of the results.

> DECISION 6:   Document [SP-99010] was agreed by SA as a starting point, to be updated after analysis of the ARIB material.

Document [SP-99015] contains a number of Change Requests (CRs) to UMTS 22.00 and UMTS 22.05 which are presented to SA for approval. It was noted that more CRs were sent for e-mail approval by SA WG1, but following requests for more time to examine them, they were not presented at this time.

> DECISION 7:   The change requests given in [SP-99015] were approved by SA.

SA WG1 requests that some name for the "UMTS"/"IMT-2000" work should be agreed in order to clarify the "system logo" at the outset (Item 9a of the report [SP-99007]).

It was suggested that the name "UMTS" is not close enough to the IMT-2000 family member that it represents. Mr. Toepfer requested that we use UMTS as the Project name for our work, whereas within individual National standards bodies, other names could be used. It was noted that the PCG will consider this matter in their meeting. Mr. Lang asked that SA consider this so that a clear recommendation to PCG can me made. Delegates were asked to give this some thought so that SA can make a proposal to the PCG.

GSM/UMTS documents need special attention and TSG SA is asked to approve a proposal from SA WG1 on the way to handle joint documents (Items 9b and 9c of the report [SP-99007]).

SA WG1 proposes a resolution of a conflict in work between SA WG1 and T WG2 (Item 9d of the report [SP-99007]).

Mr. Wiener commented that a number of changes will flow through from SMG1. Changes to 3GPP WIs which may subsequently cause problems with other Partners should be addressed earlier, rather than later, by 3GPP to ensure co-ordinated changes within SMG and 3GPP. It was clarified that the issue has been raised in SMG and that the publication/regional approval by the Partners should not make significant changes to the documents in the different SDOs.

Mr. Thomas questioned whether the WIs listed in item 5 of the report [SP-99007] are intended for UMTS Phase 1. The intention is that these items are Release 1999. Not all are intended as "short term" UMTS Phase 1 and this is clarified in other documents.

Mr. Sandegren suggested that input requirement documents given in item 7 of the report [SP-99007] (on inputs from ARIB and TTC) should not be approved and put under change control, but should be considered seriously by SA WG1 for integration into the 22.xx series, while examining any conflicts that may occur between requirements from the different documents. *Mr Cox responded that WG1 are asking for guidance and make a proposal, it is for TSG SA to decide on how these documents are handled. Visibility of changes to these documents are considered best handled by the change control method in the opinion of SA WG1.*

Mr. Thomas asked that we do not have an in-depth debate on the document contents, and wished that Mr. Cox's comments be added to the meeting minutes as a clarification of the report (as done above).

Mr. Ohlsén reported the agreement that the WI should be jointly worked on by SA WG1 and SA WG2. This was agreed by Mr. Cox.

Document [SP-99009] (Discussions on ARIB & TTC Requirements) was noted for information.

It was noted that the ARIB document is not included in the list as it is subject to the decision under item 7 of the SA WG1 report [SP-99007].

Documents [SP-99012] (ARIB's Requirements and Objectives for 3G Mobile Services and System) and [SP-99013] (TTC - GSM evolved network requirements v. 0.3.5) were considered. It was decided to note the documents and that SA WG1 will continue to work on this and report back to SA.

Document [SP-99011] (Work Items for UMTS) was proposed for approval by SA. It was clarified that the UMTS 22.xx documents are existing SMG items, and the 02.xx series will be considered by SA WG1 in order to extract the parts which are suitable for UMTS. The TTA specifications requires further debate on which parts will be used.

The following documents from [SP-99011] were adopted by SA: UMTS 22.00, 22.01, 22.05, 22.15, 22.21, 22.25, 22.29 and 22.75. (The GSM 02.xx documents were agreed for identification of relevant parts and study of the TTA IS41 specifications was also agreed.

> DECISION 8:   The work items in document [SP-99011] were approved by TSG SA.

Mr. Hiramatsu reported that WG2 identified joint responsibilities for some WIs with SA WG1 and SA WG2 (e.g. QoS). It needs to be decided how to handle such items and primary, secondary, etc. responsibilities need to be identified. Mr. Cox responded that almost all work items will impact other groups, but that there are some items where close collaboration between groups would be needed (e.g. as experienced for multimedia).

These practical issues of the impact of all work on other groups is recognised. SA WG1 is given prime responsibility for these WIs (given in [SP-99011]) and will consider the impacts on a case-by-case basis and co-ordinate accordingly.

Mr. Vainikka asked whether the study was the interworking between IS41 and other networks or the connection of IS41 with UTRAN core network. Mr. Cox clarified that it was primarily the IS41 core network to GSM evolved core network interworking, rather than the radio aspects. The results of the first stage (study of the service requirements for the support of interworking) would be reported to SA.

Mr. G Jones supported the above view and suggested the study was made from the GSM Operator point of view, in order to identify the impacts, risks and user perception of IS41 interworking.

Mr. Toepfer added that the study should also report what we expect from such interworking. This was agreed by Mr. Cox.

The time scale for the work was requested. Mr. Cox responded that the IS41 time scales are uncertain at present. Due to practical problems, the time scales have been estimated in some cases, but can be reconsidered if necessary.

Document [SP-99014] (Specifications and reports from SMG) was presented for the approval of the listed documents to go under change control.

TSG SA adopted the SMG approved documents (listed in [SP-99014], with specifications attached): TS 22.00v300, TS 22.01v340, TS 22.05v320, TR 22.07v311, TS 22.15v300, TR 22.24v310, TR 22.25v310, TR 22.60v300, TR 22.70v300, TR 22.71v310, TR 22.75v300. These documents are now approved by TSG SA and under TSG SA change control.

> DECISION 9:   The specifications and reports identified in document [SP-99014] were approved and placed under TSG SA change control.

Dual GSM-3GPP work items: SA were asked to note [SP-99016] and [SP-99017] which ask for joint activities for such work. The proposal in [SP-99017] requests joint work and approval of documents falling in this category. Clarification was requested on the relationship between the 22.xx series and 02.57, 02.78 and 02.xx (Stage 1 specifications). It was clarified that these 3 items are constituent parts of the Virtual Home Environment and 02.57, 02.78 and 02.xx are applicable to both GSM and UMTS. The work is proposed to be done under GSM but with dual approval by SMG and SA WG1. This proposal (given in [SP-99017]) was approved.

Document [SP-99016] (Work transfer from SMG1 to 3GPP) was noted.

Meetings policy: SA are asked to endorse the principle of holding joint meetings between SA WG1 and SMG1 (see item 9c of the report [SP-99007]). This policy was endorsed by SA.

Document [SP-99002] (Distribution of work between SA WG1 and T WG2) was presented and SA are asked to comment on the scope of work between the two groups, and T WG2 will be asked to comment on the proposed ToR of SA WG1.

Mr. Toepfer commented that more clarification of the scope would be needed and this liaison may not be enough to ensure duplication of work is avoided.

Mr. Cox was asked to elaborate a more detailed proposal with T WG2. The liaison to T WG2 was endorsed by SA.

Document [SP-99018] (Project plan for the work outlined in [SP-99011]) was noted by SA.

Mr. Cox was thanked by the Convenor and applauded by the delegates for his excellent work as Convenor of SA WG1.

9.2   WG2 Architecture

Mr Yukio Hiramatsu presented the report of SA WG2, given in [SP-99051].

As the result of the two WG2 meetings, the following had been agreed upon by SA WG2:

- ToR for WG2;
- Initial list of deliverables and base starting documents;
- Initial list of Work Items;
- Work plan for each deliverable;
- Mechanism for technical co-ordination across TSGs and WGs;
- Proposal of the project support;
- Schedule of the future WG2 meetings.

A clarification on the meaning of "first draft" was given - this means the draft containing all of the work on key issues which is to be released in 1999 and which is approved by SA.

Mr. Yuhan (T1) commented upon the advance notice of the announcement of the TSG SA meetings - and asked that if any rules were broken, then this may need to be brought up at the PCG for a relaxation of the rules. Clarification from Mr. Hiramatsu showed that the rules were followed, even if it was on the 21 day limit, and included an agenda announcing the Voting that may be necessary for the Chairmanship election. It was decided that if cases of difficulty in following the rules were observed in the future, then they should be recorded and brought to the attention of SA for discussion, and a proposal to the PCG may then be developed.

The list given in item 3 of the report was noted, and clarification about the SMG Plenary decision on the release of the 03.xx documents was given - the final decision is expected to be made at the SMG#28bis meeting in March 1999.

Document [SP-99045] was considered and UMTS documents 23.01, 23.05, 23.10, 23.20, and 23.30 were agreed to be transferred into SA WG2.

UMTS 23.60 and 32.01 need further study by SA WG2 to see if they should be transferred to SA WG2.

> DECISION 10:   UMTS documents 23.01, 23.05, 23.10, 23.20 and 23.30 will be transferred to SA WG2.

It was suggested that future Data requirements documents should also be identified and studied within SA WG2 for transfer to 3GPP for joint work with SMG. Mr. Järvinen reported that SMG#28 agreed that all UMTS documents from SMG12 can be transferred and that he would investigate the other documents to be transferred and report back to the meeting.

Mr. Hiramatsu asked for approval of the list given in item 4 of the report [SP-99051]. It was agreed that this preliminary list would be noted at present, and SA ask SA WG2 to make a formal proposal of a complete set of work items for SA WG2, to be presented for approval at the next TSG SA meeting.

Item 5 of the report [SP-99051] suggests a "UMTS 30.00-like" document and proposes a common format table to be used for each work item. It was agreed that a common format was desirable, and a liaison to the other TSGs will be created by Mr. Hiramatsu reporting this decision.

The use of UMTS 22.00 and 23.20 for UMTS Phase 1 services and GSM to UMTS evolution technical co-ordination across TSGs. UMTS 23.20 has been reorganised (by SMG12) to distinguish the stable and non-stable parts from each other. This proposal was agreed by SA. Mr Hiramatsu produced a liaison statement to the other TSGs to inform them of this decision (available in [SP-99078]).

Item 7 of the report [SP-99051] (Project support requirements) was left for discussion under agenda item 13.

The meeting schedule (Item 8 of the report [SP-99051]) was noted by SA.

Mr. Hiramatsu was thanked by the Convenor and applauded by the delegates for his excellent work as Convenor of SA WG2 for the first 2 meetings of SA WG2 and Mr. Järvelä and Mr. Hiramatsu were congratulated on their appointments as Chairman and Vice-Chairman of SA WG2

9.3   WG3 Security

Mr. Walker, SA WG 3 Convenor, presented the report of SA WG3 Meeting #1 given in [SP-99031] (presentation slides are given in [SP-99044]). SA WG3 have agreed an updated ToR which is provided in [SP-99036] and was presented for approval (this is dealt with under agenda item 10).

Document [SP-99043] (Security Principles and Objectives version 0.0.2) was proposed for adoption by SA. Mr. Crisp commented that the presentation slide on Context for 3G Security assumes wireless as the preferred access method, rather than fixed access to UMTS, which is also a part of the 3GPP system. Mr. Walker agreed to remind SA WG3 of this.

Mr. Watson commented that GSM Data services at present have a lot of security mechanisms for access to personal data over the internet, which is not very practical for the user. Mr. Walker responded that this has been considered and work items like the SIM Application Toolkit is one way of dealing with this problem.

> DECISION 11:   Document [SP-99043] was adopted by SA as a basis for the subsequent work in SA WG3.

UMTS 33.21 and the ARIB Requirements document version 0.8 are being adapted to produce a security threats and requirements document. It was reported that Security Architecture documents will be based upon UMTS 33.23 and UMTS 33.22.

Some discussion on how to obtain Cryptographic algorithms has occurred in SA WG3. Options are currently being considered and a paper is being produced. It may be necessary to follow more than one identified path in order to ensure acceptable algorithms in the necessary time scales.

Mr. Yuhan asked how the requirements coming from Regional Governments could be accommodated into the Security Architecture work, given the differing National requirements. This point is being studied and will be addressed. Results of this study are not expected until May 1999.

Mr. Cooper asked what impact the requirements for inter-operator handover between UMTS and GSM may have on the time scales. SA WG3 have not studied this problem in detail, but it is recognised that this is a problem area to be dealt with. The collection of requirements from the various regions is also being considered, as it is recognised that there may be some restriction on access to this information.

Mr. Järvellä (SA WG2 Chairman) asked for close collaboration between WG2 and WG3 on the Security Architecture work. This is recognised by SA WG3 and has been included in the WG3 proposed updated ToR.

> DECISION 12:   The WI list provided in [SP-99031] was approved by SA.

A detailed meeting schedule for SA WG3 is given in [SP-99044] and was noted by SA.

Project support requirements were discussed and SA WG3 decided that the group would need equivalent support that SMG10 has received from ETSI. This will be taken into account for Agenda Item 13.

Mr. Walker was thanked by the Convenor and applauded by the delegates for his excellent work as Convenor of SA WG3.

9.4   WG4 CODEC

Mr. Alain Ohana (who is the elected Chairman of SA WG4) presented the report of the SA WG4 meetings given in [SP-99057] (presentation slides are provided in [SP-99058]). The proposed ToR is given in [SP-99059]. WIs for approval are given in [SP-99060]. A request for decision for a mandatory speech CODEC is provided in [SP-99070].

5 WIs have been identified by SA WG4 and are presented to SA for approval ([SP-99060]):

WI S4-1: Mandatory Speech CODEC for Narrowband Telephony service;
WI S4-2: CODEC for Low bit rate Multimedia Telephony service;
WI S4-3: QoS for Speech and Multimedia CODEC;
WI S4-5: CODEC(s) for Wideband Telephony services;
WI S4-6: Tandem free aspects for 3G and between 3G and 2G systems.

Document [SP-99070] was presented. Following tests of various pre-selected CODECs, the results lead to SA WG4 recommending the selection of the GSM AMR CODEC for the mandatory 3G speech CODEC. Details of these test results are given in [SP-99070].

Mr. Richards asked about the strategy on development of multimedia CODECs when the demand for these services is not yet fully identified. It was clarified that SA WG4 will not develop a new CODEC, but will recommend that 3GPP systems implement one of a selection of CODECs from the ITU H.234 or other appropriate Recommendations.

Mr. Cooper asked about Wideband and High Quality Audio CODECs. It was clarified that the Individual Members proposing the work have been asked to also instigate discussions and work in SA WG1, in order to produce the service requirements.

A question was asked on the responsibility and/or involvement of SA WG4 in the definition of the requirements for the control of the Transcoders and bit framing on the Transcoder to RAN interface, following the recent decision to relocate the Transcoders in the Core Network. It was indicated that SA WG4 would have to be involved in this exercise, but SA WG4 did not believe they were responsible for the production of the related interface specifications (equivalent to GSM 08.60 and 08.61). SA WG4 contributions would be related to the definition of the payload over the interface (transmit and receive speech frames bits and other transcoder control bits, bad frame indications, CODEC mode in use, etc.).

> DECISION 13:   Proposed work items given in [SP-99060] were approved.

Mr. Fenn requested clarification of any IPR issues with the AMR CODEC. It was explained that the chosen AMR CODEC is now available and IPR issues have been solved in ETSI SMG. Following the Working Procedures, each Individual Member is bound by the IPR policy of its Partner Organisation, so there are no known blocking IPRs identified.

> DECISION 14:   The proposal for the Mandatory Speech CODEC (GSM AMR) given in [SP-99070] was approved.

SA noted the proposed liaisons with TSG T that SA WG4 have instigated.

Mr. Järvinen was thanked by the Convenor and applauded by the delegates for his excellent work as Convenor of SA WG4 for the first 2 meetings of SA WG4 and Mr. Ohana, Mr. Järvinen and Mr. Yamaguchi were congratulated on their appointments as Chairman and Vice-Chairmen of SA WG4.

9.5   WG5 Network Management

Mr. Yuhan, Convenor of SA WG5 presented his report, given in [SP-99042].

Liaisons with other bodies. The Working Procedures give guidance on liaisons with other bodies, Article 52 states that liaison is encouraged with the Technical Bodies within the Partner Organisations. Requests for liaison with other (external) organisations should be reported to the TSG, so that the PCG can be made aware and can maintain a list of these organisations. It was agreed that the approval of liaison statements from Sub-WGs should be approved by the WG.

> DECISION 15:   The 2 WIs given in [SP-99033] were approved.

SA WG5 propose to set up two SWG to work on each of these items. The creation of the SWGs within SA5 was questioned. It was requested by SA that SA WG5 appoint Rapporteurs for these work items, rather than creating formal SWGs. Mr. Yuhan agreed to discuss this within the WG and report their decision back to SA.

The proposed new name of the WG and updated ToR will be considered together under agenda item 10.

The report given in [SP-99042] was noted by SA and Mr. Yuhan was thanked for his good work as Convenor of SA WG5.

Mr. Yuhan was thanked by the Convenor and applauded by the delegates for his excellent work as Convenor of SA WG5.

10   Approval of TSG sub-structure

The ToR of SA WG1, given in [SP-99008] was approved.

The ToR of SA WG2, given in [SP-99052] was approved.

The ToR of SA WG3, given in [SP-99036] was approved.

The ToR of SA WG4, given in [SP-99059] was approved.

The ToR of SA WG5, given in [SP-99032] was approved. The new name for WG5 was also approved ("Telecom Management", the rational for this change of name is given in document [SP-99046]).

The SA Secretary was given an action to ensure that this change of name is reflected in all relevant areas (WWW, FTP, etc.).

11   TSG-SA work programme

All Work Items which were approved from the working groups (items 9.1 to 9.5 of this report) are approved as the TSG SA Work Programme. SA WG2 are to develop a detailed time schedule for their proposed work items for presentation to SA.

Document [SP-99074] was presented by DoCoMo on behalf of ARIB. It details the time scales for deployment required in Japan, so that a set of specifications is produced by April 1999.

Mr. Andersen recalled that the requirement for an early set of specifications was similar in the early stages of the GSM system specification. He added that it is important to have full control over the status of specifications, with lists of current versions presented at each 3GPP meeting, to allow implementers to identify consistent sets of specifications. He suggested that the maintenance of such a list should be the responsibility of a ***support team***. ARIB were asked if this is an acceptable mechanism to fulfil their requirements. It was clarified that work on drafts would continue, and that the system would be introduced to manage the status of the documents.

It was decided that ARIB would produce a document list containing the specifications and time schedules. For key documents, the target date will be set to April 1999. The document versions are controlled on a document-by-document basis, and these versions will be identified and presented to SA in a status list.

Document [SP-99063] - draft UMTS 30.00 (Work programme for UMTS) was noted.

Document [SP-99045] - list of UMTS documents for possible transfer to 3GPP was noted.

Mr. Wiener asked how the co-ordination of the documents for transfer will be handled. It was explained that each of the TSGs were looking at these items and that an administrative check should be done to ensure that all specifications from SMG have been covered.

12   Project co-ordination role

It is intended to hold a special meeting of SA on 04/03/99 (i.e. during this meeting) with representatives of the other TSGs to discuss issues on Project co-ordination.

Document [SP-99050] (Proposals for managing the TSG Project Co-ordination Role) was presented by Mr. Harrison. The text had been subject to e-mail discussion and this document produced, accommodating comments received. The Convenor presented the document. Section 5 of the document gives recommendations and decisions requested from TSG SA.

A second document [SP-99068] also addresses this subject, proposing the set-up of a TSG plenary to deal with co-ordination of the 3GPP work.

Mr. Donat reported that he and Mr. Doig would be presenting a document in the afternoon which would address the co-ordination and control of the 3GPP work.

Clarification on the ToR of SA WG2 was requested in the light of [SP-99050] concerning SA WG2 having a technical co-ordination role. The distinction between Project and technical co-ordination was recognised, and that SA WG2 would use UMTS 22.00 and 22.20 for technical co-ordination of the detailed work.

Mr. Sandegren reported that the discussions and agreements at the Project inception lead to the defined structure of the 3GPP, and thought that [SP-99050] was an excellent method for managing the work in the current structure. He believed that [SP-99050] would also achieve the objectives of [SP-99068].

Mr. Lathia reported the idea of the PCG was to have each TSG approving it's own work, and any issues on co-ordination and cross-TSG dissemination of information would be done by SA via reporting to SA Plenaries by the officials of the other TSGs and WGs.

Mr. Jones said that he agreed with Mr. Sandegren on the contents of [SP-99050]. A consolidation function, where an overall view can be taken is required. He added that the project co-ordination of SA needs to be flexible (ref. Item 4 of [SP-99050]) and that this is a good way forward for the co-ordination work.

It was also commented that if the co-ordination was to be done within SA, then we need to look carefully at the mechanisms of this, and ensure that the System Aspects (technical) work can also be covered by the group.

Mr. Adams expressed surprise that modifications to the fundamental structure of the 3GPP should be suggested at this time.

Mr. Andersen commented that the functioning of this group has not been evaluated, and thought that [SP-99050] would not change the original concept of the functioning of SA, but includes reporting from other TSGs and WGs which will perform a co-ordination role. The ToR of TSG SA is to act functionally as a Plenary in the co-ordination of the overall work of 3GPP. He suggested that the scheme be allowed to continued, reviewed and problems identified and solved at a later date, rather than changing an untested system.

It was reported that document [SP-99068] had been forwarded to the PCG for consideration, and proposals are being developed to integrate these views into the structure and functioning of the TSGs.

Mr. Davidian proposed to oppose [SP-99050] on behalf of the source companies of [SP-99068].

Mr. Sandegren asked for qualification of this opposition to [SP-99050], in order that SA can understand the problems.

Mr. Cooper asked for clarification on the premises of [SP-99050] concerning the use of joint meetings of TSGs, and whether SA would be the approval point for Work Items. It was clarified that the 3GPP Working Procedures allow co-located meetings, as and when deemed appropriate.

Mr. Porzio Giusto asked for postponing of this item until other TSGs have discussed the document.

It was decided to recess the SA meeting so that discussions could take place over the coffee break, and interested parties could strive for a solution which accommodates the opinions expressed. After these discussions, an agreement was reached and presented to SA by Mr. Andersen, which is outlined below:

> **Meetings:** Meetings of TSG SA would not be held at the same time as the meetings of other TSGs.

> **Reporting and discussion:** WGs will report to the SA "Plenary". Reports would also come from TSGs RAN, CN and T to the SA "Plenary". (This reporting could not happen at the same time as the other TSGs are meeting, so the "Meetings" principle above was considered necessary).

> **Project monitoring and project management:** TSG SA decisions would be liaised to the relevant WGs of all TSGs, who would report back to their TSG Plenaries for discussion and identification of problem areas. These problems would then be reported from the TSGs to TSG SA to complete the project management and monitoring loop.

Mr. Porzio Giusto reported that this solution was the agreement made over the break and presents a practical way to manage the project.

The arbitration role of SA to other TSGs is naturally accommodated in this working method. Decisions proper to individual TSGs (e.g. radio issues for RAN) would be solved within the appropriate TSG without the need of arbitration from SA.

A drafting group led by Mr. Jones was set up to translate the presentation and solution into an explanatory document to be presented to SA. This was produced as [SP-99081].

Mr. Yuhan suggested that the ToR of each WG may need to be reviewed following the outcome of the discussion group. This was noted, and WGs may review their ToRs to ensure consistency with this.

Mr. Hiramatsu commented that SA WG2 have proposed to use the documents UMTS 22.00 and 23.20 for technical co-ordination. It was agreed that the document was accepted as a basis for tracking of the project.

13   Project support requirements

The working groups have reported their requirements, and the requirements for the SA group and the co-ordination support requirements will be added to this.

It was clarified that the PCG is responsible for the allocation of the support resources, and the Convenor will present the agreed requirements to them for consideration.

WG1: Item 6 of [SP-99007] reports that the support from the Programme Manager is valued and this support is required for efficient functioning of the WG. The use of a common support resource for SA WG1 and SMG1 is considered the most efficient usage of the resource (**1 man-year for SMG1 and SA WG1**).

WG2: [SP-99051] reports that they have had a contribution that the support received for the UMTS Programme Manager was valued and should be continued. SA WG2 had endorsed this contribution (**1 man-year for SMG12 and SA WG2**).

WG3: Mr. Walker reported that resource was required for the creation of the Agendas, the preparation of documents, and writing of meeting reports. It is planned to have meeting each month for remainder of 1999. The estimated resource for both SMG10 and WG3 is ½ person, if the same resource is used (**0,5 man-year**).

WG4: SA WG4 supported previous comments on the essential role of the support team in WGs in order to function efficiently. The required support for SA WG4 was estimated to be equivalent to the support provided to SMG11 in 1998. It would be most efficient to have the same person for the support of both SA WG4 and SMG11 (**0.5 man-year for SA WG4**).

WG5: SA WG5 reported that the service currently being provided by ETSI is considered excellent, and estimated resource requirement is 1/3 of a person (**0,33 man-year**).

Strong support from all of the WGs for the use of the same people for SMG support and the 3GPP support was expressed.

Mr. Andersen mentioned that there may be 2 separate project teams for accounting reasons, but this does not preclude the use of the same people to provide support to both groups, accounting for their respective tasks accordingly.

14   TSG-SA working methods

The presentation slides given in [SP-99049] were presented by Mr. Donat concerning Common working methods proposed for 3GPP. The proposals are those which have been used with success in GSM. It is proposed to use the same document structure

and numbering scheme as for GSM documents. A common structure for meeting documents and electronic working tools (e.g. FTP server) is considered important so that information can be readily found.

A *Permanent Nucleus* of Professional Experts is proposed to provide the technical co-ordination of work between WGs and TSGs.

Mr. Doig presented document [SP-99048], 3GPP working methods.

Mr. Toepfer commented that the ad-hoc group on co-ordination (lead by Mr. Jones) will produce an output, which should be considered for modification of [SP-99048].

Mr. Doig clarified that the document is presented to SA for approval as a working method for 3GPP and that it will be presented to the PCG for adoption.

> DECISION 16:   The document [SP-99048] was approved in principle and Mr. Donat, WOME Chairman, was invited to refine it following the ad-hoc meeting results and send it for approval by e-mail and then produce a more detailed proposal for the next TSG SA meeting.

Document [SP-99021] proposes that a working practice or principle of setting deadlines for submission of documents should be introduced in order to allow delegates to meetings to have a chance to consider contributions to meetings in advance. It is suggested that late documents are not to be considered by the meeting for decision, but can be discussed if time and schedule allows, postponing any decisions. A five working day deadline is proposed by the contribution.

It was clarified that the working practice would be to allow decision on late documents, but that there would be an opportunity to challenge the decision-taking for companies who have not had enough time to consider the documents fully enough. It was further clarified that documents presented for decision in good time, but which were revised during a meeting, would still be considered valid for decision-making.

This was adopted as a principle to strive for, but it is recognised that we need to have some flexibility at the early stages of the 3GPP work, in order to allow fast decisions to be made when necessary, due to the strict time scales of the first phase of the Project.

> DECISION 17:   Documents for decision should be made available at least 5 working days before a meeting, wherever possible, but failure to do so will not prevent decisions on urgent matters.

15   Future meeting schedule

The Convenor presented [SP-99027] which should be taken in the light of the project co-ordination decisions.

The following schedule was agreed (pending PCG acceptance of the SA decisions):

SA#3 - ARIB have proposed to host SA 26-28 April 1999 in Tokyo, Japan (subject to confirmation) following the RAN and T meeting 22-23 April 1999. (SA3 will move their planned meeting at this time).

SA#4 - During 21-25 June co-located with SMG#29 hosted by T1 and GSM Alliance, in Miami, USA. Schedule to be agreed with SMG Chairman. The meeting should discuss how the December deadline can be met, in conjunction with the GSM Specifications Release schedule.

SA#5 - September/October 1999 pending schedules of other TSGs.

SA#6 13-17 December 1999 - scheduling to be defined, Hosted by ETSI (to be confirmed). The SA WG2 meeting date will be changed to accommodate this.

16   Any other business

Document [SP-99066] presents a concern over potential divergence of Core Network.

Mr. Porzio Giusto presented the document which proposed that the evolution of GSM core network and radio access networks be developed within 3GPP, modifying the ToR accordingly. It was explained that the ToR of 3GPP is the responsibility of the PCG, who have been forwarded the document. The PCG have asked that they deal with the document in the PCG meeting.

Document [SP-99069] proposes that voting weights related to some representative significance be used to achieve a better balance within 3GPP. Mr. Takabatake of TTA reported that each of the SDOs discussed the issue and reached consensus on the

current voting system, and that the system would be reviewed after 6 months. The system should not be changed until problems are identified.

It was agreed that the document will be brought to the attention of the PCG and the Convenor will report the comments made in the SA meeting.

Mr. Cox presented [SP-99067] on the handling of network management standardisation in 3GPP. SA (WG5) and RAN need to identify their responsibilities quickly in order to prevent duplication of work and delay. Mr. Yuhan agreed that their updated ToR is in line with this contribution and SA adopted it's principles.

Document [SP-99073] (IPR for 3GPP) was noted.

Document [SP-99075] (UMTS numbering scheme). The 3GPP Support team was given the action to propose a numbering scheme and to manage the central allocation of numbers.

> DECISION 18:   The 3GPP support team to propose a numbering scheme for 3GPP specifications and to manage the central allocation of numbers.

Document [SP-99077] (standardization of a full solution based on the UTRA TDD mode). This document was noted by SA and forwarded to SA WG2 for consideration.

Document [SP-99080] (Results of leadership elections) was noted.

Document [SP-99085] (Work transfer from SMG 12 to TSG SA). Mr. Hiramatsu introduced the document. Reports will be provided to TSG SA as the transfer from SMG to 3GPP progresses.

17   Close meeting #2

The Convenor summarised the achievements of the meeting and it was noted that all objectives had been covered successfully.

It was generally agreed that an excellent start had been made with a great spirit of co-operation between the organisations.

Thanks were extended to the hosts for their excellent facilities and support, particularly the support staff, the support team and the SA Secretary.

The Convenor then handed over the Chairmanship of the SA group to the new Chairman and Vice Chairmen and wished them the best success in the management of the TSG.

The Convenor, Mr. Harrison, was thanked and applauded for his very good and efficient work in the running of the first two meetings of TSG SA and the second meeting was formally closed.

<End of report>

Annex A: List of documents

Number	Title	Source	Agenda item	Replaced by Tdoc
SP-99001	Draft Agenda for Meeting #2	F Harrison, Convenor	3	
SP-99002	Liaison Statement - Work distribution between TSG S1 and TSG T2	SA WG1	7.2	
SP-99003	Candidature for TSG SA Chair	BT (ETSI)	8	
SP-99004	Candidature for TSG SA Chair	Motorola (ETSI)	8	
SP-99005	Draft report of the first meeting of TSG SA	SA Secretary	4	
SP-99006	Draft Report of the joint TSG sessions, Sophia Antipolis	SA Secretary	4	
SP-99007	Status Report of SA_WG1 from Convenor, SA_WG1 Services	SA WG1 Convenor	9.1	
SP-99008	TSG_SA_WG1 Terms of reference	SA WG1	10	
SP-99009	ANALYSIS OF ARIB & TTC REQUIREMENTS	SA WG1	9.1	
SP-99010	List of planned deliverables and time scales from ARIB, ETSI, TTC	SA WG1	9.1	
SP-99011	WORK ITEMS FOR UMTS	SA WG1	11	
SP-99012	ARIB's Requirements and Objectives for 3G Mobile Services & Systems contribution	SA WG1	9.1	
SP-99013	TTC's GSM evolved network requirements contribution v. 0.3.5	SA WG1	9.1	
SP-99014	ETSI SMG contributions	SA WG1	9.1	
SP-99015	CHANGE REQUESTS to 22.01 and 22.05 with Inputs from ARIB, ETSI and TTC	SA WG1	9.1	
SP-99016	WORK TRANSFER FROM SMG1 TO 3GPP	SA WG1	9.1	
SP-99017	LS to 3GPP on Work Transfer (MExE, CAMEL, SAT)	SMG	9.1	
SP-99018	Project Plan	BT (ETSI)	9.1	
SP-99019	**NOT ALLOCATED**			
SP-99020	Candidature for TSG SA Vice Chair	Vodafone (ETSI)	8	
SP-99021	Deadline for submitting contributions for decisions in meetings	AT&T (T1)	14	
SP-99022	Candidature for TSG SA Vice Chair	Omnipoint (T1)	8	
SP-99023	33.20 V3.0.0 - UMTS Security Principles	SMG10	11	
SP-99024	33.21 V3.0.0 - UMTS Security Requirements	SMG10	11	
SP-99025	33.22 V1.0.0 - Security Features	SMG10	11	

Number	Title	Source	Agenda item	Replaced by Tdoc
SP-99026	Candidature for TSG SA Vice Chair	Mannesmann Mobilfunk GmbH (ETSI)	8	
SP-99027	Draft Meeting Schedule	F Harrison, Convenor	3	
SP-99028	Convenors report and meeting objectives	F Harrison, Convenor	5	
SP-99029	3GPP Working Procedures (updated with TSG Meeting #1 decision)	SA Secretary	8	
SP-99030	Procedure for the Definition of User Equipment Capabilities in 3GPP	NEC, NTT DoCoMo, Samsung Electronics		
SP-99031	Report of TSG SA WG3 meeting #1 (2-4 Feb 99, London, UK)	Secretary, TSG SA WG3	9.3	
SP-99032	Terms of Reference of 3GPP/TSGS/WG5	TSGSA WG5	9.5	
SP-99033	Proposed 3GPP TSGS5 Work Items	TSGSA WG5	9.5	
SP-99034	33.23 V0.2.0 - UMTS Security Mechanisms and Architecture	SMG10	11	
SP-99035	Security Design Principle	ARIB	9.3	
SP-99036	Suggested Terms of Reference for 3GPP - System Aspects TSG - Security WG	TSGSA WG3	9.3	
SP-99037	23.01 V3.0.0 - General UMTS Architecture	SMG12	11	
SP-99038	23.10 V3.0.0 - UMTS Access Stratum; Services and Functions	SMG12	11	
SP-99039	23.20 V1.5.0 - Evolution of the GSM platform towards UMTS	SMG12	11	
SP-99040	23.30 V1.0.0 - Iu Principles	SMG12	11	
SP-99041	Procedure for Individual Member voting at TSG#2	3GPP Support Group	8	
SP-99042	Report of SA WG5 Meeting #1	TSG SA WG5	9.5	
SP-99043	3G Security: Security Principles and Objectives	TSG SA WG3	9.3	
SP-99044	Report of Meeting Number 1 (Presentation slides)	TSG SA WG3 Convenor	9.3	
SP-99045	Listing of ETSI SMG UMTS Deliverables, Reports and Description documents for possible transfer to 3GPP	ETSI Secretariat	11	
SP-99046	The name of the 3GPP/TSGS/WG5	TSG SA WG5	9.5	
SP-99047	Time Schedule for the initial specification production in 3GPP	ARIB	11	
SP-99048	Proposed Working Methods for 3GPP Technical Specification Groups	SMG WOME	14	
SP-99049	Common Working Methods for TSGs and WGs (Presentation slides)	SMG WOME	14	

Number	Title	Source	Agenda item	Replaced by Tdoc
SP-99050	Proposals for managing the TSG Project Co-ordination Role	F Harrison, Convenor	12	SP-99081
SP-99051	Proposed Draft report of WG2 to the Second TSG-SA	TSG SA WG2 Convenor	9.2	
SP-99052	Terms of Reference for TSG-SA WG2 (Architecture)	TSG SA WG2 Convenor	10	
SP-99053	LS to 3GPP on Work Transfer	SMG	7.1	
SP-99054	LS regarding Service Development Process	TSG-T1, T2, T3	7.2	
SP-99055	Test specification structure and schedule	TSG-T1	7.2	
SP-99056	Liaison statement on future collaboration	Chairmen of ITU-T study groups 11, 4 and 7 and their collaborators on IMT-2000 standardization	7.1	
SP-99057	TSG S4 Status report at TSG SA#2	TSG SA WG4 Convenor and Chairman	9.4	
SP-99058	TSG-S4 Status Report (Slides)	TSG SA WG4 Convenor and Chairman	9.4	
SP-99059	Proposed Terms of Reference for TSG-S4	TSG SA WG4	9.4	
SP-99060	Proposed TSG-S4 Work Items for approval	TSG SA WG4	9.4	
SP-99061	Decision for the Mandatory Speech CODEC	TSG SA WG4	9.4	
SP-99062	Project Team Support for WGs of 3GPP TSG's	TSG SA WG2	13	
SP-99063	Draft UMTS 30.00 "SMG Work Programme for UMTS"	SMG	11	
SP-99064	Appointment of TSG Leadership at Fort Lauderdale	PCG		
SP-99065	On "Procedure for definition of user equipment capabilities in 3GPP"	ERICSSON		
SP-99066	Concern regarding potential divergence of core network	AT&T, BT, FRANCE TELECOM, NTT DOCOMO, TIM, TMOBIL		
SP-99067	Handling of Network Management Standardisation in 3GPP	VODAFONE		
SP-99068	TSG Plenary	AT&T, BT, FRANCE TELECOM, NTT DOCOMO, TIM, TMOBIL		
SP-99069	Voting Rights	AT&T, BT, FRANCE TELECOM, NTT DOCOMO, TIM, TMOBIL		

Number	Title	Source	Agenda item	Replaced by Tdoc
SP-99070	Mandatory Speech Codec	TSG SA WG4		
SP-99071	Response to the TSG-T1 Liaison Statement on the Test Specification Structure and Schedule	TSG SA WG4	7.2	
SP-99072	UMTS 30.00 V3.7.0 - SMG Work Programme for UMTS	SMG12		
SP-99073	Third generation mobile communications: the way forward for IPR	ETSI Secretariat		
SP-99074	Time Schedule for the initial specification production in 3GPP	ARIB		
SP-99075	Brief explanation of the numbering scheme of the SMG UMTS specification series	ETSI 3GPP support		
SP-99076	LS to TSG-CN, RAN, T on the proposed table format to show work plan of each TS/TR	TSG SA		
SP-99077	Standardization of a full solution based on the UTRA TDD mode	CEGETEL		
SP-99078	LS to TSG-CN, RAN, T on the proposal to use UMTS 22.00 and 23.20 for the purpose of technical coordination among TSGs and WGs	TSG SA		
SP-99079	22.29 version 1.O.O	TSG SA		
SP-99080	Liaison to TSG-CN, RAN, T	TSG SA		
SP-99081	Proposals for managing the TSG Project Co-ordination Role	Ad Hoc Revision Group	12	SP-99087
SP-99082	Results of TSG elections	3GPP Support Group		
SP-99083	Report from the UMTS Forum	UMTS Forum	6	
SP-99084	3G call control modol and protocols WI	TSG CN		
SP-99085	LS on work transfer from ETSI STC SMG12 to 3GPP TSG SA	ETSI SMG		
SP-99086	Meeting report from the Ad hoc meeting on Terminal Capabilities	Kevin Holley		
SP-99087	Proposals for managing the TSG Project Co-ordination Role	Ad Hoc Revision Group	12	

Annex B: List of registered participants

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1					