Technical Specification Group Services and System Aspects
Meeting #17, Biarritz, France

Draft Report

Source:	**TSG SA Secretary (M. Pope, MCC)**
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Contents

1   Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen, opened the meeting and welcomed delegates to Biarritz, France. Mr. Francois Coureau Welcomed delegates to the meeting on behalf of Alcatel and provided the domestic arrangements for the meeting. He wished everybody a good and successful meeting.

2   Approval of the Agenda

TD SP-020415 Draft Agenda for TSG SA meeting #17. The draft agenda was reviewed, the Future Evolution Workshop documents were allocated under agenda item 8.9. The agenda was approved.

IPR announcement: The TSG SA Chairman reminded delegates of their IPR declaration responsibilities.

3   Approval of the meeting report of TSG SA Meeting #16

TD SP-020416 Draft Report of TSG SA meeting #16. The report of the previous TSG SA meeting was approved. The revision marks will be removed and the approved version 1.0.0 will be placed on the 3GPP FTP site by the TSG SA Secretary after the meeting.

4   Items for immediate consideration

TD SP-020418 Creation of Open Mobile Alliance. This was provided and introduced early in the meeting in order for delegates to consider the issues and return to it later in the meeting. It was introduced by mmO2 on behalf of the source companies. It informed 3GPP that the Open Mobile Alliance asked for related work in 3GPP to be moved into the OMA to allow a focus for the work and prevent non-harmonised solutions. There was some discussion and general agreement that a close relationship with the OMA work would be beneficial, but there should not be any delay in the progress of this work. The Chairman clarified that 3GPP could not have influence on OMA, but could be considered as a clear co-operation partner for the OMA work of 3GPP. The terms of reference for 3GPP should not be affected by this new body, but should be considered by 3GPP in order to help achieve harmonisation between technology platforms It was agreed that Liaison with OMA in the usual way was adequate for co-operation at the present time.

5   Reports from TSG SA ad-hoc meetings

There were no ad-hoc meetings held since TSG SA #16. The Future Evolution Workshop meeting was held during the TSG SA #17 and is reported under agenda item 8.9.

6   Letters / Reports from other groups

6.1   TSG T, TSG CN, TSG RAN, TSG GERAN

TD SP-020419 Reply LS on Subscriber and Equipment Trace Impacts. This was provided by RAN WG3 for information and requested detailed requirements for the UTRAN in order to progress their work in this area. The LS was noted.

TD SP-020425 Reply LS on Subscriber and Equipment Trace Impacts. This was provided by CN WG4 for information and informed groups that detailed requirements were required before work could progress on this topic. The LS was noted.

6.2   Partners and their bodies

TD SP-020417 LS to T WG2 and SA WG5 on MMS Volume Definition. This was provided by BARG for information to TSG SA, a reply from T WG2 was provided in TD SP-020426 (see below) and the LS was then noted.

TD SP-020426 LS on Alignment of Message Size Definition. This was provided by T WG2 for information. It was reported that charging issues had been discussed in SA WG5 and was in progress between the groups.No intervention was considered necessary from TSG SA at this point, and the LS was then noted.

TD SP-020582 Liaison Statement on Storage of MMS Parameters on the SIM. This was provided by the GSMNA CTO Advisory Group and was introduced by the TSG SA Vice Chairman. It suggested the provision of service requirements for MMS Parameter storage by SA WG1, and was provided to TSG SA for information. It was considered that the introduction of functionality into Release 4 was equivalent to the introduction of these parameters on the USIM in Release 4. A related LS from SA WG1 was provided in TD SP-020586 which was introduced by the SA WG1 Chairman (it was explained that the liaison had arrived late due to an error in LS handling, and the document was considered after delegates were given time to consider it, see agenda item 7.1.2).

6.3   Others

There were no specific contributions under this agenda item.

7   Reports from TSG SA Working Groups

7.1   TSG SA WG1

7.1.1 Report from TSG SA WG1 and review of progress

TD SP-020546 Status report of SA WG1 to SA #17. The status report from SA WG1 to TSG SA was presented by the SA WG1 Chairman using the presentation slides provided in TD SP-020545.

After the presentation of contributions from SA WG1, the SA WG1 Chairman was thanked for his report, which was noted.

7.1.2 Questions for advice from TSG SA WG1

TD SP-020585 LS on Multimodal and Multi-device Services. This LS to OMA was copied to TSG SA for information. It was introduced by the SA WG1 Chairman and was noted.

TD SP-020586 Discussion on MMS configuration information. This LS was introduced by the SA WG1 Chairman which introduces the issues and provides some arguments for and against storing parameters on the SIM, and asked TSG SA to provide guidance on the way forward for MMS configuration parameter storage. There was no objection to including this as mandatory in the Release 4 SIM, if support is optional for in the Release 4 MS, a Release 5 MS will always utilise a USIM and therefore the parameters will be present. It was agreed that SA WG1 should provide CRs for this. With this decision, TD SP-020526 was noted.

TD SP-020584 Considerations about Migration from SIM to UICC/USIM. This was provided by Nokia and Siemens and asked TSG SA to consider the following questions:

- What are the obstacles, if any, for the vendors and especially for the operators to start comprehensive USIM deployment?

- What corrective actions need to be taken in 3GPP to avoid these obstacles?

These questions were clarified to ask whether the use of SIM in Release 5 was necessary, if USIM deployment was comprehensive, or whether it was foreseen that support for SIM in Release 5 onwards would be necessary. It was agreed that there was no foreseen problem with moving to the USIM only from Release 5 onwards from a standardisation point of view.

7.1.3 Approval of contributions from TSG SA WG1

TD SP-020547 Release 99/4/5 CRs to 22.011 on correction to periodic PLMN scan. These CRs were approved.

TD SP-020548 Release 4/5 CRs to 22.105 on Forbidden LAs for regional provision of service. It was reported and agreed that this is not SolSA, which is supported only in GSM, and is not related to UTRAN. The CR appeared to have incorrect justification and was incomplete. These CRs were rejected.

TD SP-020549 Release 5 CRs to 21.905 on definitions and abbreviations. It was noted that these CRs had been produced before the latest version of 21.905 was available and had therefore been produced to the wrong version. The CRs were revised to be written to the correct version of the specification in

TD SP-020596 and were approved.

TD SP-020550 Release 5 CRs to 22.078 on CAMEL. It was reported that TSG CN had approved related CRs for this Functional Change in their meeting. These CRs were approved.

TD SP-020551 Release 5/6 CRs to 22.101 on Clarifications on ISIM requirements Rel 5. These CRs were related to CRs provided in TD SP-020557 which was considered together with these CRs. A related contribution was also provided in TD SP-020593. A seperate discussion group was set up for the ISIM issue, and provided TD SP-020624 which was introduced by Telia. There was discussion over the use of terms UE functionality Split and Linked Subscriptions. In order to produce a version with acceptable wording, interested parties were asked to get together and produce an update in the break for approval later in the meeting. This was provided in TD SP-020625 which was approved. It was noted that the drafting groupo had ommitted to remove GemPlus and that Orange also needs to be removed from the list of Supporting Companies.

The CRs in TD SP-020551 were **rejected it was noted** that this does not imply that T WG3 are required to make releated changes to their specifications.

TD SP-020593 IMS, part of the 3GPP system. This was introduced by Vodafone, and reports that during the SA WG1 plenary strong objection was received from mobile operators towards the proposal to make on a UICC the relationship between USIM and ISIM application and subscription independent of each other in Release 6. It provides discussion and proposed conclusions and asked TSG SA to endorse these conclusions and consequently reject the CRs 22.101 CR 106 and CR 097r1, in TD SP-020557. It also asked TSG SA to agree that binding IMS subscription with CS/PS subscription is a mandatory requirement, to agree that USIM and ISIM (and other future 3GPP SIM applications on an UICC) are complementary functionality to perform the SIM role for the 3GPP system and for that depend on each other to use each other's functionality and therefore that the proposal for multiple ISIM subscriptions on one UICC becomes obsolete.

The SA WG1 Chairman clarified that there were concerns raised by some operators in the SA WG1 meeting over these CRs, but there had not been objection to their approval for presentation to TSG SA.

The TSG SA Chairman asked the companies objecting to the CRs on this topic, which TSG SA had asked SA WG1 to elaborate, should provide the same level of argument in SA WG1 in order that discussions in TSG SA can be minimised. A drafting group was set up of interested parties to provide information to SA WG1 on the principles for access independence issues. A WID was provided in TD SP-020625 to study this issue.

TD SP-020557 Release 6 CRs to 22.101 on various subjects. CRs 103, 104 and 105 were approved, CRs 097 and 106 were postponed for further ISIM discussion. After this discussion, CRs 097 and 106 were **rejected**.

TD SP-020552 Release 5 CRs to 22.101 on service delivery and emergency calls. It was asked whether CR 100r1, concerning Emergency Calls, was related to National regulation, rather than a standardisation requirement. It was clarified that the proposed change allowed the Emergency Call requirements to be fulfilled in countries with differing Emergency Call numbers and was applicable to countries where Emergency Call requirements must be met. The requirement on the ME is that if it utilises the downloaded information, then it will use the CN to attempt to establish Emergency Calls. These CRs were approved. It was noted that related work was needed in the CN groups.

TD SP-020553 Release 5 CR to 22.140 on Removal of SMS and USSD as possible bearers. This CR was approved.

TD SP-020554 <WITHDRAWN>.

TD SP-020555 Release 6 CRs to 21.905 on definitions and abbreviations. These CRs were approved.

TD SP-020556 Release 6 CRs to 22.071 on LCS (Various). It was clarified tat the standard will contain a superset which can fulfil all regional regulatory requirements and the licensing conditions for particular operators will determine which requirements need to be fulfilled for a particular region. The CR to remove hidden text of previous versions of the document was agreed, but it was considered unnecessary to have a CR for this type of transparent change. These CRs were approved.

TD SP-020558 Release 6 CR to 22.105 on subscriber certificates. This CR was approved.

TD SP-020559 Release 6 CRs to 22.127 on OSA. There was a problem with CR 052, as it had an incorrect CR number and subject on the CR cover sheet. CR 053 was questioned, as the CN WG5 secretary reported that CN WG5 did not have the intention to fulfil these requirements. It was stressed that companies supporting this work needed to provide resources to CN WG5 to achieve this work. TSG CN were asked to monitor the progress on this work. The CR package was revised in TD SP-020598 to prevent future confusion, which was approved.

TD SP-020560 Release 6 CRs to 22.141 on Presence. These CRs were approved.

TD SP-020561 Release 6 CRs to 22.146 on MBMS. These CRs were approved.

TD SP-020562 Release 6 CRs to 22.228 on IMS. CR 015r1 was postponed until after the ISIM discussions which resulted in CR015r1 being **rejected**. CR 017 was approved.

TD SP-020563 Release 6 CRs to 22.233 on PSS server file format. These CRs were approved.

TD SP-020564 Release 6 CR to 22.242 Clean-up of Digital Rights Management. It was reported that an objection to the removal of this text had been received from Orange, who sustained the objection. TSG SA noted the objection and asked Orange to submit requirements proposals to cover their concerns to the next SA WG1 meeting. This CR was approved.

TD SP-020565 TR 22.951 version 1.0.0 on Network Sharing. This TR was provided for information and was noted. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020566 TS 22.250, Version 1.0.0 on IMS group management capability. This TS was provided for information and was noted. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020567 TR 22.940, Version 1.0.0 on IMS Messaging. This TR was provided for information and was noted. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020568 TS 22.240, Version 1.0.0 on Generic User Profile (GUP). This TS was provided for information and was noted. SA WG1 had requested feedback on this document from SA WG3 who were encouraged to provide information to SA WG1 in good time. Contribution to SA WG1 was encouraged to further develop this work.

TD SP-020569 TR 22.934 version 2.0.0 on Wireless Local Area Networks (WLANs). It was questioned whether the scenarios included in the document were expected to be performed in 3GPP specifications. It was clarified that the conclusions provided at the end of the document explained the procedure SA WG1 considered the most appropriate way forward with standardisation. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020570 TR 22.977, Version 2.0.0 on Speech Enabled Services. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020571 TS 22.174, Version 2.0.0 on Push Service for Approval. The open issues in the document were questioned, e.g. charging aspects, which were left for further study and the section for Feature Interaction was empty. It was reported that the FFS should have been removed and the Feature Interaction section was recognised as needed at the end of the SA WG1 meeting and this would be subject to CRs at the next SA WG1 meeting. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020572 TS 22.243, Version 2.0.0 on Speech Recognition Framework for Automated Voice Services for Approval. References [8] and [9] were reported as not publically available, this was checked and it was found that the ETSI ESs were publically available. SA WG1 were asked to rearrange the references to the usual format. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020573 Updated IMS group management WI (update of workplan). This WI description was approved.

TD SP-020574 Updated WLAN Interworking WID. This WI description was approved.

TD SP-020575 Updated IMS WID to include Access Independence and Interoperability with Other IMS systems. It was clarified that these items are not part of Release 5. MCC were asked to try to provide a system to ensure consistent naming for work items in order to prevent confusion. There was objection to the addition of Access Independence technologies as the definition was not clear. This WI description update was **rejected** and delegates were invited to bring improved proposals for the scope of the WID to SA WG1 if they felt it necessary. It was noted that the current wording of the WID does not prevent the work from progressing.

TD SP-020576 Updated LCS enhancements WID to include Galileo. Siemens and Ericsson both reported that they do not support the work on Galileo at this time, and withdrew their support from the WI. This left only 3 supporting companies and the WID update was **rejected**. Any further company support or modification of the scope should be provided to SA WG1.

TD SP-020577 Update of GUP WID. It was noted that SA WG2 also had a proposal for update to this WID in TD SP-020539. This WI description was approved.

It was reported that there had been discussions about splitting the T WG2 tasks into a separate WID. **The**

TSG SA Chairman stated that each TSG should have a WID for its own tasks.

TD SP-020578 Proposed WID on Feature Interactions Requirements. It was clarified that this WI was related to the interaction between 3GPP services. It was reported that some work had already been performed in T WG2 and SA WG1 were asked to take this into account. The Rapporteur company was clarified as AWS, who will provide a named Rapporteur to SA WG1. This WI description was approved.

TD SP-020579 Proposed WID on a Generalised Privacy Capability. This WI description was approved.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

TD SP-020527 Report of SA WG2 results at SA#17. The status report from SA WG2 to TSG SA was presented by the SA WG2 Chairman.

Slide 18: It was noted that the Stage 1 Push service specification had been approved and SA WG2 invited contribution to progress the Stage 2 work.

Slide 19: It was clarified that the changes from Release 5 to Release 6 on Emergency Calls are to cover more than only CS emergency call handling, which is covered in Release 5.

Slide 20: WLAN work: Scenario 2 was requested by SA WG1 as the starting place for work, Scenario 3 will be studied after this work.

Slide 21: Interoperability between IMSs was clarified to

After the presentation of contributions from SA WG2, the SA WG2 Chairman was thanked for his report, which was noted.

7.2.2 Questions for advice from TSG SA WG2

TD SP-020420 Liasion Statement on GUP DDF. This was introduced by the SA WG2 Chairman, a response from T WG2 to this LS was provided in TD SP-020599 and was considered.

TD SP-020599 Response LS from T WG2. This was provided for information.

Discussion on the relevance of this to OMA work occurred. It was considered the task of the OMA group to determine whether this was of any interest to them. The LSs in TD SP-020420 and TD SP-020599 were noted.

TD SP-020441 Response to "LS on new requirements about functionality to make subscription to different domains independent or linked based on operator decision". This was introduced by the SA WG2 Chairman and had been copied to TSG SA for information and was noted.

TD SP-020443 Reply LS on "Gb evolution". This was introduced by the SA WG2 Chairman and provided a summary of the discussions in SA WG2. The details were mainly related to TSG GERAN. It was reported that the current proposed date for the joint session between SA WG2 and TSG GERAN was the week of 21 October 2002. The activity between SA WG2 and TSG GERAN was noted by TSG SA and the LS was noted.

7.2.3 Approval of contributions from TSG SA WG2

CRs:

TD SP-020529 CRs on TS 03.71, 23.171, 23.271 (LCS Stage 2). There was an objection to the need for 23.171 CR 028 as it was an unnecessary Release 1999 change. **23.171 CR 028 was rejected.** All other CRs were approved. Rel-6 mirror CRs were expected to be presented to the next TSG SA meeting.

TD SP-020530 CRs on TS 23.002 (Network Architecture). The TSG RAN Chairman asked that information on changes to figures, etc., as made in 23.002 CR099 and CR100, is provided to TSG RAN before submitting the CRs for approval, as such changes could have an impact on the RAN specifications. (This comment was also applicable to TSG GERAN). **23.002 CR099 and CR100 were rejected.** All other CRs were approved.

TD SP-020531 CRs on TS 23.107 (QoS Concept and Architecture). These CRs were approved.

TD SP-020532 CRs on TS 23.207 (End-to-End QoS). These CRs were approved.

TD SP-020533 CR on 23.221 (Architectural requirements). This CR was approved.

TD SP-020534 CRs on 23.228 (IMS Stage 2). These CRs were approved.

TD SP-020604 CRs on TS 03.60 and 23.060 (PS domain Stage 2). 23.060 CRs 407 408, 409 contained copy&paste errors and were revised. These 3 CRs were revised in TD SP-020606 (see below). There was

an objection to 23.060 CRs 400, 401 and 402 as the CRs had been based on CRs 383, 384 and 385 and not 383r1, 384r1 and 385r1 and the revisions add technical changes. All CRs except the 6 CRs listed above were approved.

It had not been possible to finalise the drafting of the revised CRs and TSG SA were asked to endorse the principles for the update to avoid long discussions in SA WG2. **TSG SA endorsed the principle of the solutions based on the revision 1 CRs, as the technical solution and should be presented by SA WG2 to the next plenary when the editorial corrections have been completed.**

TD SP-020606 Revised CRs on 23.060 and 03.60. These CRs were approved.

A request was made to include the Release of the individual specifications in the CR package table in future.

TSs and TRs:

TD SP-020535 TR 23.846 v.2.0.0 on MBMS. This TR was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-020536 TR 23.934 v.1.0.0 on WLAN FS. This TR was provided for information and was noted. Contributions were invited from WGs to further develop this work.

TD SP-020537 TS 23.XXX v.1.0.0 on WLAN Stage 2. This TS was proposed by SA WG2 and had been developed from the draft TR 23.934 WLAN feasibility study. The MCC specifications manager commented that the title given to this TS should be improved to clarify it. Further improvements were suggested, e.g. high level diagram of the architecture for WLAN interworking, clarification of the scope, etc.

This TS was provided for information and was noted. The SA WG2 Chairman noted the comments received and contributions to SA WG2 were invited to further develop this TS.

TD SP-020538 TS 23.141 v.1.0.0 on Presence. The SA WG2 Chairman requested that TSG SA consider this draft TS for approval, even though it had not previously been presented for information in order to allow work in other groups to progress in a timely manner. It was recognised that there was likely to be a number of CRs folling approval in order to clarify and improve the document editoially. This TS was approved and placed under TSG SA change control as version 6.0.0 (Rel-6).

WI Descriptions:

TD SP-020539 Revised WID on GUP. This was **rejected**, as the WID is under SA WG1 control, and a revision had been provided to the meeting by SA WG1.

TD SP-020540 Updated WID for a FS on Dynamic Policy control enhancements for end-to-end QoS. This WI description was approved.

TD SP-020542 Updated WID for 3GPP-WLAN Interworking. This WI description was approved. SA WG2 were asked to include the scenarios covered by the TS in the Report to TSG SA.

TD SP-020543 WID description for Commonality and Interoperability between IMSs. Modifications were required to the Time Plan and Title, the WID was therefore updated in TD SP-020607 which was approved.

TD SP-020544 WID on IMS phase 2. This WI description was approved.

TD SP-020541 WID for Study into applicability of GALILEO for LCS. It was recognised that other Groups need to be involved in this study and the SA WG2 Chairman took note of this. This WI description was approved.

7.3   TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

TD SP-020504 Report from SA WG3 to TSG SA #17. The status report from SA WG3 to TSG SA was presented by the SA WG3 Chairman.

Subscriber Certificates: The relationship of this to the DRM issue (proposal to move to OMA) was questioned. Did SA WG3 expect this to move also to OMA if DRM is transferred? The SA WG3 Chairman explained that this issue had not been considered so far, but felt that the OMA may be the right place to get the usage cases, whereas the complete development of Subscriber Certificate Security standardisation would need further consideration.

GSA3 A5/3 Algorithm. It was clarified that the use of 128 bits would be possible if the SIM can handle this key length in the future.

Ze Interface: It was reported that the Ze interface had been moved out of Release 5 and confirmation that this was targeted for Release 6 in SA WG3 was received from the SA WG3 Chairman. SA WG3 were asked

to provide CRs to remove the Ze interface out of Release 5 specifications.

GERAN Security: The GERAN Vice Chairman reported that there was no plan to enhance the A interface. SA WG3 were expected to initiate any necessary enhancement requests to TSG GERAN for the A/Gb Mode.

The TSG CN Chairman reported that the IETF draft-arkko-map-doi-07 was a lower risk draft, which was noted.

After the presentation of contributions from SA WG3, the SA WG3 Chairman was thanked for his report, which was noted.

TD SP-020505 Report of SA WG3 meeting #24. This was provided for information and was noted.

7.3.2 Questions for advice from TSG SA WG3

TD SP-020427 LS on introduction and adoption of A5/3 and GEA3. This was provided to TSG SA for information. Members were encouraged to consider this within their companies. **Manufacturers were asked to ensure that this was forwarded to the appropriate person(s) in their companies to ensure a good response to the LS**. The LS was then noted.

The existence of 22.022 in Rel-5 was questioned. This was investigated and found to be missing from Rel-5 in error. The SA WG3 Secretary will provide the upgrade for Rel-5 from the Rel-4 version.

7.3.3 Approval of contributions from TSG SA WG3

CRs:

TD SP-020583 12 CRs to 33.203. These CRs were approved.

TD SP-020509 3 CRs to 23.035. These CRs were approved.

TD SP-020510 1 CR to 33.106: Changes to 33.106 to clarify interception capabilities. This CR was approved.

TD SP-020511 2 CRs to 33.107. These CRs were approved.

TD SP-020512 1 CR to 33.108. This CR was approved.

TSs and TRs:

TD SP-020506 Final deliverables SAGE Task Force for GSM A5/3 and GEA3 design 55.216, 55.217, 55.218 and 55.919. These 3 TSs and 1 TR were approved and placed under TSG SA change control as version 6.0.0 (Rel-6). ETSI SAGE had recommended that these documents be provided only in PDF format and word versions were requested for easier handling. TSG SA agreed that Word versions should be provided when these are added to the 3GPP server.

TD SP-020507 TR 33.910: Network Domain Security / Authentication Framework (NDS/AF); Feasibility Study to support NDS/IP evolution (Rel-6). It was reported that the number for this TR had changed to TR 33.810, as it is intended as an internal 3GPP report. This TR was provided for information and was noted. SA WG3 were asked to include a cover sheet presenting the TR when it is presented for approval.

WI Description sheets:

TD SP-020513 Revised WID: Network Domain Security; IP network layer security (NDS/IP) for Release 6.

TD SP-020514 5 new WIDs:

- Support of the Presence Service Security Architecture. This WI description was approved.

- 3GPP Generic User Profile Security. This WI description was approved.

- Release 6 User Equipment Management: Security aspects. This was approved, conditionally upon the approval of the related WID in SA WG5 (see TD SP-020447, agenda item 7.5.3). The changes had no effect and so the WID was approved.

- Security Aspects of Multimedia Broadcast/Multicast Service (MBMS). This WI description was approved.

- WLAN Interworking Security WID. This WI description was approved.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

TD SP-020431 Status report of SA WG4 to SA #17. The status report from SA WG4 to TSG SA was presented by the SA WG4 Chairman.

It was clarified that there will be no Characterisation specifications in the ITU-T. The ITU-T Characterisation results will be contained in the TR 26.976.

Extended transparent end to end PSS service: This TR characterises performance, but there has not been a great deal of contribution on this TR. It was noted that this may be good as part of the RAB Characterisation input to TSG RAN.

Slide 16: It was clarified that the funding requirements are in the output table of specifications. The TSG SA Chairman reported that requests for funding will be closely scrutinised by the 3GPP Partners due to proposed cuts in 3GPP Budget. The impact of not receiving the necessary funding should be considered. The SA WG4 Chairman reported that the results would be very useful and would require at least 1 Man-Year of resources. Members should consider the importance of this work, consequences of not doing the work and also consider other means of raising the funding than asking the 3GPP Partners.

The TSG SA Chairman agreed to indicate the potential need for this funding at the next Partners meeting.

It was recognised that future funding issues may need to be discussed at the next meeting, depending on the oucome of the Partners meeting.

After the presentation of contributions from SA WG4, the SA WG4 Chairman was thanked for his report, which was noted.

7.4.2 Questions for advice from TSG SA WG4

TD SP-020422 LS on Allowed AMR-WB Configurations. This was introduced by the SA WG4 Chairman and explained that reduce ythe number of configurations for AMR-WB to exactly 3 was requested by SA WG4. TSG SA were asked to approve this proposal (Rel-5). SA WG4 also asked other TSGs and WGs to consider the new proposal on simplification of AMR-WB speech telephony service and take the actions to incorporate the necessary changes into the Technical Specification under their responsibility (REL-5). TSG SA approved this reduction in configurations.

7.4.3 Approval of contributions from TSG SA WG4

CRs:

TD SP-020435 CRs to TS 26.231 and TS 26.232 - Corrections (R99, Release 4 and Release 5). The impact if not accepted for 26.131 CR012, CR013 and 26.132 CR014 and CR015 (Release 99 / Rel-4) was questioned. The SA WG4 Chairman explained that this was for the removal of "for further study" points, and had not system impact. These were not considered essential CRs for Release 1999 and Rel-4 and were therefore **rejected**. All other CRs were approved. Note that 23.131 CR014 and 23.132 CR016 (Rel-5) were therefore approved as Category "F" CRs.

TD SP-020436 CRs to TS 26.093 on Corrections of Codec Type Names (R99, Release 4 and Release 5). 26.093 CR007 (Rel-99) and CR008 (Rel-4) were **rejected** as non-essential. CR009 was approved (as Category "F").

TD SP-020437 CRs to TSs 26.103, 26.202 and 28.062 on Simplified TFO decision for AMR-WB and TFO/TrFO Signalling for allowed AMR-WB Configurations (Release 5). These CRs were approved.

TD SP-020438 CRs to TS 28.062 on TFO Signalling for preferred AMR-NB Configurations and TFO Version Handling (Release 5). These CRs were approved.

TD SP-020439 CRs to TS 26.234 - Corrections (Release 5). These CRs were approved.

TSs and TRs:

TD SP-020432 3GPP Draft TR 26.976 version 1.0.0 "AMR-WB Speech Codec Performance Characterization" (Release 5). This TS was provided for information and was noted.

WI description sheets:

TD SP-020433 New WID on Performance characterisation of default codecs for PS conversational multimedia application (Release 6). This WI description was approved.

TD SP-020434 Revised WID on Multimedia codecs and protocols for conversational packet switched services (Release 5). This WI description was approved.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

TD SP-020444 Status report of SA WG5 to SA #17. The status report from SA WG5 to TSG SA was presented by the SA WG5 Chairman.

Trace Management: It was commented that trace management was a controversial issue, and a request for more detail on the Trace Management requirements was requested when the document becomes more mature. The SA WG5 Chairman responded that the work is influenced by the contribution at their meetings and members were asked to contribute to the work in order to meet the industry timescales.

After the presentation of contributions from SA WG3, the SA WG3 Chairman was thanked for his report, which was noted.

SA WG5 were thanked for the tremendous work they had performed to complete the Rel-5 work. The SA WG5 Chairman reported that they were around 95% complete on their deliverables and the OAM speciufications can be regarded as frozen at the next meeting.

7.5.2 Questions for advice from TSG SA WG5

TD SP-020423 LS reply on "3GPP-specific Diameter applications". This was introduced by the SA WG5 Chairman and was provided for information. The LS was noted.

TD SP-020428 LS on User Equipment Management. This was introduced by the SA WG5 Chairman and asks the OMA Requirements group to inform SA WG5 and TSG SA how the OMA Requirements group considers User Equipment Management should be progressed across the standards organisations. No reply had yet been received on this LS. It was noted that this action had been taken in order to initiate co-operation of work with OMA. This was copied to TSG SA for information and was noted.

7.5.3 Approval of contributions from TSG SA WG5

CRs:

TD SP-020449 Rel-5 CR 32.101 Introduction of new section "O&M of the UMTS Infrastructure Management". This CR was approved.

TD SP-020450 Rel-5 CRs 32.102 . These CRs were approved.

TD SP-020451 Rel-5 CR 32.802 Corrections to Abbreviations, Architecuture, Proposed plan, Risks and Annex A clauses. This CR was approved.

TD SP-020474 Rel-4 CR 32.111-2 Remove functionality in the Rel-4 Information Service corresponding to Rel-5 Fault Management requirements. This CR was approved.

TD SP-020475 Rel-4 CR 32.111-3 Correction of CORBA IDL Optional Perceived Severity. This CR was approved.

TD SP-020476 Rel-5 CR 32.111-3 Addition of "indeterminate" probable cause in IDL definition. This CR was approved.

TD SP-020477 Rel-5 CRs 32.111-1/2/3. These CRs were approved.

TD SP-020478 Rel-5 CRs 32.111-2/3 upgrade to Rel-5. These CRs were approved.

TD SP-020479 Rel-5 CRs 32.102/ 32303/ 32111-3 Add optional parameters in CORBA SS IDLs. These CRs were approved.

TD SP-020480 Rel-5 CR 32.111-4 Add Alarm Clearance Functionality in the CMIP SS. This CR was approved.

TD SP-020481 Rel-5 CR 32.300 upgrade to Rel-5. It was asked whether this is merely a copy of the Rel-4 version. It was reported that there had been a structure change for Rel-5 and the CR includes a table which shows the changes needed for this upgrade. This CR was approved.

TD SP-020482 Rel-4/5 CRs 32.303. These CRs were approved.

TD SP-020483 Rel-5 CRs 32.600/1/2/3 upgrade to Rel-5. These CRs were approved.

TD SP-020484 Rel-4 CR 32.612 Correction of pre- and post-conditions for the operations getSessionStatus and getSessionLog. This CR was approved.

TD SP-020485 Rel-4 CR 32.613 Correct Mapping of fallbackEnabled Qualifier. This CR was approved.

TD SP-020486 Rel-5 CRs 32.611/2/3 upgrade to Rel-5. These CRs were approved.

TD SP-020487 Rel-5 CR 32.621 upgrade to Rel-5. This CR was approved.

TD SP-020488 Rel-5 CR 32.62/3/4 upgrade to Rel-5 . These CRs were approved.

TD SP-020489 Rel-5 CRs 32.632/3 upgrade to Rel-5. These CRs were approved.

TD SP-020490 Rel-4 CR 32.642 UML corrections. This CR was approved.

TD SP-020491 Rel-5 CR 32.641 upgrade to Rel-5. This CR was approved.

TD SP-020492 Rel-5 CRs 32.642. These CRs were approved.

TD SP-020493 Rel-5 CR 32.643 upgrade to Rel-5. This CR was approved.

TD SP-020494 Rel-4 CR 32.652 UML corrections. This CR was approved.

TD SP-020495 Rel-5 CR 32.651 upgrade to Rel-5. This CR was approved.

TD SP-020496 Rel-5 CRs 32.652. These CRs were approved.

TD SP-020497 Rel-5 CR 32.653 upgrade to Rel-5. This CR was approved.

TD SP-020501 Rel-4 CR 32.401 Alignment with CM TSs of measurement file parameter descriptions and examples. This CR was approved.

TD SP-020502 Rel-5 CRs 32.401. These CRs were approved.

TD SP-020503 Rel-5 CRs 32.403. It was clarified that CRs 004, 005 and 006 were approved at the previous TSG SA Plenary and SA WG5 discovered a problem and asked MCC not to implement the changes. The TSG SA Chairman clarified that any CR approved at TSG SA shall be implemented, and errors would need to be corrected by more CRs to remove the changes. SA WG5 were asked to follow the correct procedure in future. These CRs were postponed in order to check what can be done about the problem. The CRs were revised in TD SP-020609 and were approved.

TD SP-020454 Rel-4 CRs 32.235. These CRs were approved.

TD SP-020455 Rel-5 CR 32.235 Support for Network Persistent Storage in MMS charging. This CR was approved.

TSs and TRs:

TD SP-020456 Rel-5 New TS 32.321-200 Test Management IRP; Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020457 Rel-5 New TS 32.322-200 Test Management IRP IS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020458 Rel-5 New TS 32.323-200 Test Management IRP CORBA SS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020459 Rel-5 New TS 32.324-200 Test Management IRP CMIP SS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020460 Rel-5 New TS 32.625-200 Bulk CM IRP XML file formats for Generic NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020461 Rel-5 New TS 32.635-200 Bulk CM IRP XML file formats for CN NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020462 Rel-5 New TS 32.645-200 Bulk CM IRP XML file formats for UTRAN NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020463 Rel-5 New TS 32.655-200 Bulk CM IRP XML file formats for GERAN NRM. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020464 Rel-5 New TS 32.661-200 Kernel CM IRP Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020465 Rel-5 New TS 32.662-200 Kernel CM IRP IS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020466 Rel-5 New TS 32.663-100 Kernel CM IRP CORBA SS. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020467 Rel-5 New TS 32.664-100 Kernel CM IRP CMIP SS. This TS was provided for information and was noted. Members were urged to provide feedback to SA WG5 to progress this document towards approval.

TD SP-020468 Rel-5 New TS 32.671-200 State Management IRP Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020469 Rel-5 New TS 32.672-200 State Management IRP Information Service. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020470 Rel-5 New TS 32.673-100 State Management IRP CORBA SS . This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020471 Rel-5 New TS 32.674-200 State Management IRP CMIP Solution Set. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

It was clarified that State Management was related to fault Management, to take actions when faults are reported (e.g. send messages to equipment to remove from service, arrange for repair of the equipment and re-instate it into service).

TD SP-020472 Rel-5 New TS 32.691-100 Inventory Management Network Resources IRP: Requirements. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020473 Rel-5 New TS 32.692-100 Inventory Management Network Resources IRP: Network Resource Model. This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

TD SP-020500 Rel-6 New TS 32.411-100 PM IRP Requirements. This TS was provided for information and was noted. Members were urged to provide feedback to SA WG5 to progress this document towards approval.

TD SP-020453 Rel-5 New TS 32.225 Charging data description for the IP Multimedia Subsystem (IMS). This was presented by SA WG5 for approval. There was a question over whether DIAMETER or FTP should be used. SA WG3 had left both options. Vodafone asked if SA WG5 could come to a decision on which Protocol to use. The SA WG5 Chairman explained that DIAMETER is always provided for Charging, and FTP is left as an optional Protocol. It was clarified that section 4.1.3 states that DIAMETER is necessary for IMS nodes, and other protocols are allowed for operators post-processing systems. This was a matter of large debates in SA WG5. It was proposed that the document should state that DIAMETER is mandatory for support. **TSG SA agreed that the support of DIAMETER is mandatory and the use of FTP should be further studied.** This TS was approved and placed under TSG SA change control as version 5.0.0 (Rel-5).

WI Description sheets:

TD SP-020445 Rel-6 OAM Feature-level WID (Operations, Administration, Maintenance & Provisioning - OAM&P) - 32 Series (except Charging). This WI description was approved.

TD SP-020446 Rel-6 OAM-AR Building Block-level WID (Principles, high level Requirements and Architecture). This WI description was approved.

TD SP-020447 Rel-6 OAM-UEM Building Block-level WID (User Equipment Management). There was some discussion on the objectives in this WID, and it was clarified that T WG2 had worked closely with SA WG5 on this. A proposal to update the objectives to include the inclusion of a study of the work being done in other external groups and to include the focus for 3GPP systems operations. It was agreed to update this WID to take comments into account, and the updated version was provided in TD SP-020608 which was approved.

TD SP-020452 Rel-6 OAM-NIM Building Block-level WID (Network Infrastructure Management; 32100-, 300- , 600-Series). This WI description was approved.

TD SP-020499 Rel-6 OAM-PM Building Block-level WID (Performance Management; 32401, 32403, 32411, 32412, 32413). This WI description was approved.

TD SP-020448 Rel-6 SM Feature-level WID (Subscription Management). This WI description was approved.

7.6   3GPP Work plan

TD SP-020429 3GPP Work Plan. The 3GPP Work Plan was presented using summary slides in TD SP-020430. It was noted that this version had not yet been fully updated with the changes at this meeting and it would be updated after the meeting and made available on the 3GPP server.

TD SP-020430 3GPP Work Plan (Slide Presentation). This was presented by the MCC Work Plan Co-ordinator.

Slide 14: Iu Mode in GERAN. The slides shows this as Completed, but there was a contribution asking for more work on this. The GERAN Chairman responded that the work is complete, that is, functionally frozen, but there are a number of corrections still to be done. The SA WG2 Chairman provided background to the LS, i.e. that SA WG2 had asked GERAN which items were open and which were complete.

The TR for mapping RAB for RT IMS services did not appear in the slides, and it was asked whether this was included in the Work Plan. This should be checked to ensure it is not lost from tracking in the Work Plan.

Slide 51: It was reported that Uplink TDOA feasibility study was completed in GERAN#10 for Release 6. This was noted for the update of the Work Plan.

Questions to TSG SA:

Slide 45 - It was confirmed that the UE Functionality Split was not included in the Release 6 Work Plan.

Slide 10: Is High Speed Downlink Packet Access to be kept in Release 5? Completion of the main specifications was necessary before this work could start, which caused the delay. It was confirmed that all TAG RAN Release 4 specifications had been upgraded to Release 5.

The target date for Release 6 was discussed. It had already been agreed that at least a 1 year timescale for New Release development should be allowed. It was considered too soon to decide upon a freezing date for Release 6 without the necessary study of the amount of work needed for the additional Features to be included. It was decided to review all the stage 1 and stage 2 specifications which are programmed for beyond Release 5 and see what is complete enough to include in Release 6, then check the realistic completion date before making this decision. The LS from IETF also needs to be taken into account for the timescales of new work.

7.7 Review of TSG SA work programme

The review of the Work Plan was dealt with under agenda item 7.6.

7.8 Letters to other groups

The following Liaison statements were approved by TSG SA during the meeting:

Doc Number	Title	Agenda Item	Status
SP-020626	LS to OMA on Digital Rights Management	7.9	Approved
SP-020627	Response to IETF LS on Interoperability Issues and SIP in IMS	8.1.2	Approved

7.9 Other issues

TD SP-020581 DRM Consolidation. This was introduced by Motorola and provided a description of the work in OMA-DRM and requests that TSG-SA adopts the following recommendations:

1. 3GPP adopts the OMA DRM specifications whenever it needs to assume or specify DRM functionality.

2. No stage 2 work on DRM should be started in 3GPP. 3GPP TSG-SA adopts the OMA solution as the 3GPP technical architecture for DRM.

3. There are some working groups within 3GPP who may need to apply DRM within the context of their technical specifications, e.g. MMS and Streaming. In such cases, OMA and 3GPP should work together through a close working relationship to apply OMA DRM, and to identify changes (if any) to the OMA DRM specifications that may be needed as a result.

SA WG1 provide requirements. There are solutions available satisfying these requirements. Use this instead of developing parallel solutions.

It was generally agreed that using the work already performed by OMA was desirable, if it fulfilled the requirements developed by SA WG1. The legal and technical relationship with OMA would need to be clarified. A LS to OMA was produced to inform them of the desire of 3GPP to utilise their work, with the conditions that are required by 3GPP in order to do this. The LS was provided in TD SP-020617 which was updated to include 3GPP timescales for DRM and provided in TD SP-020626 which was approved.

TD SP-020440 WID about Satellite based broadcast layer using UTRA FDD W-CDMA technology. This was introduced by Alcatel and proposed a Study Item for direct approval at TSG SA. There was an objection to the introduction of this work item without first being agreed in the responsible WG. SA WG1 had asked Alcatel to take the WID to TSG SA to increase it's exposure. Interested companies should therefore join the debate on the proposal in SA WG1. It was noted that the supporting companies list included non-3GPP Members. TSG SA invited the supporting companies to take this proposal to SA WG1 and reminded delegates that 4 supporting companies and general support for the work is needed for acceptance of a WID. The WID was then noted.

8 Technical coordination with TSG CN, TSG RAN, TSG T and TSG GERAN

8.1 TSG CN

8.1.1 Report and questions for discussion from TSG CN

TD SP-020589 Draft meeting Report ofTSG CN#17 - version 1.0.0. This was provided for information and was noted.

TD SP-020590 Status Report from CN#17. The TSG CN Chairman presented the status report on TSG CN activities since TSG SA meeting #16.

Slide 4: Media Grouping: The TSG CN Chairman was asked if there were any LSs concerning this. He reported that there is a LS in TD SP-020587.

Questions for Guidance from SA:

SMS over GPRS

- *Is support mandatory in the network?*

- *If optional, then signalling needed towards UE*

Panasonic reported that their terminals implement this but some return error messages can cause confusion to the users.

The impact on, and interworking of, existing MSs in the market also needs to be considered. It was recognised that an update of 09.94 and/or 09.95 would be required.

SA WG1 were asked to consider this and make a decision on the requirements for SMS over GPRS. CN WG1 would then need to find a solution based on the SA WG1 agreed requirements. The TSG CN Chairman reported that if SA WG1 can make a decision at their next meeting, then CN WG1 would be able to work on a solution before the next TSG CN Plenary.

22.060 includes the following requirement: "The network shall support SMS message reception and transmission for GPRS-attached class-C MSs". This implies that support is already mandatory in the network, although not all operators enable this.

TSG SA agreed that support of SMS over GPRS shall be **mandatory** in the network. TSG CN were invited to consider developing a "graceful" solution for Release 6 including some fall-back/error-handling solution to 09.94 and/or 09.95, in case the functionality had not yet been provided in a network.

IPv4/IPv6 Interworking

- *Need clarification on how/if work will be fed to CN*

    - *Application level translation*

    - *Transport level translation*

The SA WG2 Chairman reported that this is subject for discussion in SA WG2, but that had not started yet. SA WG2 were urged to come to a rapid conclusion in order to allow the work on this to progress.

Relationship with OMA

- *CN4 believes that Lr (MGLC-MGLC I/f) be based on Le*

- *LIF owns Le and is best suited to do Lr*

- *Work should be done in LIF or OMA with periodic reporting*

- *Work transfer from LIF to OMA expected in Oct.*

TSG SA belived that the relationship between 3GPP and OMA can be handled under the existing liaison procedure and any further interfaces needed could be looked into at a later time.

The TSG CN Chairman was thanked for the report, which was noted.

8.1.2 Information on Release 1999, Release 4, 5 and 6 in TSG CN

As part of the Status report, the TSG CN Chairman reported the following:

Release '97, '98, '99, 4 Status

- Reduced number of pre-release 5 corrections

- Inter-MSC relocation with multiple codecs

- Resolved for Rel 99, Rel 4

- Rel 5 solution agreed in principle, but CRs not agreed

- GTT Signalling support made release independent in UE

Release 5 Status Overview (IMS)

- CAMEL for IMS completed

    - 23.278 - CAMEL Phase 4 - Stage 2 IM CN Interworking

    - 29.278 - CAMEL Phase 4 - Stage 3 IM CN Interworking

- Closing of IMS open items

    - Only one CNx meeting, so limited progress over summer

    - Many IETF deliverables remaining (see SP-020524)

        - Diameter base is a significant problem

        - Liaison from SIP on 3GPP usage of IETF (SP-020591)

    - Remaining open items documented in SP-020605

- Media Grouping

    - Solution using Keep It Separate indicator agreed

    - Recommend it stays in Rel 5 if IETF dependency complete by Dec 02 (IESG approval).

Release 5 Status Overview (non-IMS)

- Network sharing in connected mode completed

- Stateless DNS Discovery using GPRS PCO IE completed

    - Generalized mechanism for delivery of info in PCO provided

Release 6 (New Items)

- IMS Phase 2 – Stage 3

    - Stage 3 realization of equivalent SA2 WID

    - Target is Sept 03.

- Interoperability and Commonality between IP Multimedia Systems using different "IP-connectivity Networks"; stage 3

    - Stage 3 realization of equivalent SA2 WID

    - Target is Mar 04.

- OSA Release 6

    - Stage 3 realization of equivalent SA1 WID

- Media Gateway Control Function (MGCF) - IM Media Gateway (IMS-MGW) Mn Interface

    - MGCF control of IM-MGW (Different from Mc)

TD SP-020442 Reply LS on "Media grouping". This was introduced by the TSG CN Chairman, it had been provided by SA WG2 to TSG SA for information, and was noted.

TD SP-020587 Reply LS on Media grouping. This was introduced by the TSG CN Chairman and was noted.

TD SP-020424 LS on Media grouping. This was introduced by the TSG CN Chairman and was noted.

TD SP-020605 CN Release Open Items list. This was introduced by the TSG CN Chairman, it had been provided to TSG SA for information and was noted.

TD SP-020524 IETF Status Report. This was presented by the TSG CN Chairman and provided an overview of the status of 3GPP-related IETF work. He reported that Progress has been discouraging with little actually approved since CN#16. A full list of the items having publicly reached IETF approval state can be found in the IETF dependency list. The complete list of status (as of 21 August 2002) can be found on the 3GPP web site. Critical problem areas are AAA and SIPPING. A liaison from the IETF is expected to be introduced into the TSG CN and TSG SA plenaries. This will describe the concerns of the SIP WG chairs (with the blessing of the ADs) that 3GPP may be violating protocol principles within SIP. This report was noted.

TD SP-020591 Liaison Statement on Interoperability Issues and SIP in IMS. This was introduced by the TSG CN Chairman, who summarised the content of the LS. An LS from TSG CN related to this was provided to TSG SA in TD SP-020588 which was considered.

TD SP-020588 Response to IETF LS on Interoperability Issues and SIP in IMS. This was introduced by the TSG CN Chairman. TSG CN provided their position to the IETF and requested that TSG SA:

- *Considering the conclusions from TSG-CN as part of determining an overall 3GPP consensus on how to address SIP interoperability concerns from the IETF.*

- *If TSG SA agrees with the above conclusions, then direct the appropriate SA WGs to work with the CN WGs in investigating the interoperability impacts and proposing corrective CRs (by the December meeting). In particular, it is requested that SA WGs review their current requirement, architectural, and security assumptions in light of the identified non-compliances and investigate if any simplifying relaxations or modifications are reasonable.*

- *Allow changes to the release 5 specifications in December that are produced due to the alignment effort.*

- *Send a response liaison to IETF indicating that 3GPP supports the interoperability goals outlined in the IETF liaison and is undertaking to investigate what alignment can be done in the short term (Release 5). Also indicate that 3GPP encourages future collaboration with IETF to address those interoperability issues that cannot be quickly addressed. Furthermore, 3GPP must ensure backwards compatibility between IMS releases.*

The proposed liaison to IETF should also be sent to all affected WGs in SA and CN to ensure they are made aware of the 3GPP position on this matter.

The proposals from TSG CN were accepted and a LS to IETF was provided in TD SP-020621. SA WG Chairmen were asked to bring the two LSs (TD SP-020588 and TD SP-020591) into their groups to ensure they are aware of the interaction with IETF on these matters. The LS was updated to show the future meeting dates as "TSGs" rather than "TSG SA" in TD SP-020627 which was approved.

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG CN Chairman (see agenda item 8.1.1).

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

TD SP-020618 TSG RAN Report to TSG SA#17. The TSG RAN Chairman presented the status report on TSG RAN activities since TSG SA meeting #16.

Slide 6: Two Rel-5 CRs have been conditionally approved subject to approval in GERAN and CN of the linked CRs (Iu UP support mode on Iu-cs for the IP transport option). This was explained that TSG RAN had conditionally approved CRs because they were concerned for consistency in the future on the work they have done. TSG SA agreed that these CRs are confirmed as approved and will be implemented. **These CRs should be used as a basis for the work in CN WG4.**

Slide 6: QPSK only User Equipment could be kept for HSDPA in Release 5: It was explained that QPSK will be allowed in Release 5. The decision for Release 6 will be taken by RAN WG1.

Slide 9: Feasibility study of UE antenna efficiency test methods performance requirements. The TSG RAN Chairman explained that this work had been stopped in TSG RAN as many other groups are working on this (CTIA, COST). It was preferred to appoint Rapporteurs from TSG RAN WGs to monitor the progress of different groups and taking their output into account. The documents are expected to be referenced in TSG RAN specifications if this is appropriate.

Slide 11: Analysis of higher chip rates for UTRAN evolution. Delegates were reminded that study Items in TSG RAN are just to show incremental gain to the current technology and then a decision can be made for potential Work Items based on the results.

On Viable Deployment of UMTS in different frequency arrangements there were also some question following discussion in RAN WG4 to decide whether or not TDD could be part of the study. The TSG RAN Chairman explained that there was a study under way because of the possibility of utilising another TDD spectrum, but as no decisions on which spectrum was available, the study was not easy to complete. SA WG2 would be consulted for QoS requirements for different RABs.

The TSG RAN Chairman was thanked for the report, which was noted.

TD SP-020602 Proposed Study Item description sheet for "Early UE handling in UTRAN". This was presented by the TSG RAN Chairman. It was clarified that this document was presented as the principle that TSG RAN will follow, but the final wording could not be agreed during the meeting. Nevertheless, it was presented because of the impact on TSG SA and TSG CN work.

The supporting companies (Vodafone Group, Nortel, Nokia, Ericsson, Siemens) proposed the following:

1) *A more detailed examination of how the 'hooks' work within RAN, for relocation/handover/etc, performed as part a new RAN SI.*

   a. *Discussion is invited in RAN on when to include the extension container in RRC*

2) *A more detailed examination of how the 'network indication' (either IMEI-SV/bitmap) work within RAN, for relocation/handover/etc, performed as part of a new RAN SI.*

3) *RAN asks SA to create a Work Item studying the overall architecture and signalling principles for early UE handling. It is expected that this WI will cover early UE handling, in RAN, CN, and GERAN.*

4) *At RAN#18 the results of the SI are presented.*

The question marks in section 2 were there to allow consideration and study of the final needs in order to remind the other involved WGs that some work needs to be done, but it was not clear whether or not this was needed to get the Study Item approved and the study started. The final Objectives is expected to become clearer after some study.

3GPP system-level or RAN only solution. There are 2 levels, RAN concentrate only on the RAN aspects and not the Core Network aspects. This Study Item was noted and the other involved WGs were asked to start the activity based on input from RAN WG2 and RAN WG3.

TD SP-020603 Contribution to ITU R WP8F on the revision of Recommendation ITU-R M.1079. This was proposed by TSG RAN as an updated contribution on behalf of TSG SA and TSG RAN to the ITU-R. This was the result of the response from SA WG2 after their review of the M.1079. The reference to the 3GPP document was removed and the document updated in TD SP-020623 which was approved.

8.2.2 Information on Release 1999, Release 4, 5 and 6 status in TSG RAN

Release 1999 and Release 4

- Review of solutions for early Release '99 UE. TSG RAN WG2 tasked to introduce a bit allowing later introduction of additional information. No decision could be taken between use of IMEISV or RRC reserved bit. See Tdoc SP-020602 containing a draft Study item from RAN requesting also some participation on the study from TSG SA WG2 and CN – this study item is not yet fully agreed due to difficulties on the wording however the principle described was agreed.

- Clarification to the TSG RAN specifications were agreed to be incorporated first in Release 4 and hence in Release 5.

- Following SA4 proposal TSG RAN is awaiting conclusion on the AMR modes to be taken into account.

- It was agreed that new CRs on Release 99 shall from now be carefully reviewed by WGs to ensure the 'forward' compatibility with Release 4.

- A new TR was agreed to be started to complement 34.108 providing RAB configuration which are not for testing purposes: Typical examples of RABs and RBs supported by UTRA.

- There was an issue on Layer 3 filtering for measurement where two methods are proposed in Release 99. It was agreed to keep the two methods for Release 99 and Release 4 and to select only one as an improvement for Release 5.

Release 5

- Work on Release 5 is almost complete:

  - It was agreed that QPSK only User Equipment could be kept for HSDPA in Release 5. For Release 6 the issue will be revisited.

  - It was reminded that it was too late to introduce now new functionalities in the scope of Release 5.

  - The following work item has been completed:

    - UTRAN sharing in connected mode

- Two Rel-5 CRs have been conditionally approved subject to approval in GERAN and CN of the linked CRs:
    - CR488 to 25.413 "CRRM corrections" (linked to GERAN)
    - CR039 to 25.141 "Necessary changes for the Iu UP support mode on Iu-cs for the IP transport option" (linked to CN)
- Work on Release 5:
    - HSDPA several issues might be deferred to Release 6. This issue will be revisited during TSG RAN#18
    - PCG endorsed the principle of CRs to Iu and Iur for GERAN specific elements according to the previous principle. Some of the CRs had to be re-issued
    - Contribution to ITU – R was agreed for endorsement by the PCG on the next update of M.1457.
    - A second contribution on the update of M.1079 needs to be reviewed by TSG SA before it can be sent to the PCG (see Tdoc SP-020603)

Release 6

- Status of Work Items after TSG-RAN #16:
    - Change of completion date:
        - Improvement of RRM across RNS and RNS/BSS to be completed by TSG-RAN #18
        - Improved usage of downlink resource in FDD for CCTrCHs of dedicated type was agreed to be closed.
        - Beamforming Enhancements is moved to March 2003
        - Open interface between the SMLC and the SRNC within the UTRAN to support Rel-4 positioning methods also moved to March 2003
        - Report Introduction of the Multimedia Broadcast Multicast Service (MBMS) in RAN due to be completed in June 2003
    - Radio link performance enhancements completion date moved to December 2003.
    - Fast Cell Selection (FCS) for HS-DSCH completion date is moved to March 2003.
    - SRNS Relocation Procedure enhancement is closed as a study item no agreement to go for a work item.
    - Feasibility study of UE antenna efficiency test methods performance requirements is closed once again. TSG RAN WG4 was tasked to appoint rapporteurs to follow the work done in COST and CTIA.
- New Work beyond Rel-5:
    - New WIs approved at TSG-RAN #17:
        - No new Work Item was approved at this meeting except that discussion on a proposed WI on SRNC Relocation enhancements (Nokia) where several question were raised and could not be solved. This shall be reviewed at the next meeting.
    - New SIs approved at TSG-RAN #17:
        - Uplink Enhancements for Dedicated Transport Channels Distributed RAN Architecture
        - Analysis of higher chip rates for UTRAN evolution
        - Evolution of RAN Architecture
        - Early UE handling in UTRAN

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG RAN Chairman (see agenda item 8.2.1).

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

TD SP-020594 TSG-T report to SA#17. The TSG T Chairman presented the status report on TSG T activities since TSG SA meeting #16.

Work Items:

WT_40. Testing of support for IMS, Rel-5

MMS enhancements approved by TSG T (see TD SP-020595).

Draft WID for REL-6 on User Equipment Management:

- SA5 comments requested for approval at T#18.

- The WI covers UICC applications as available today (USIM, ISIM).

Digital Rights Management:

DRM is considered an urgent market demand for MMS success, there were strong concerns about the timely availability of the 3GPP DRM solution. TSG T requested SA discussion for SA WG2's completion of DRM work in timely manner.

- TS 23.140 Stage 2 includes the MMS protection indicator in the message (not a complete solution).

- A first DRM solution is almost completed in OMA.

- Presentation on Mobile DRM for MMS by Beep science (example of DRM initiative in the market led by Telenor).

T WG3 requested to be involved in the work on DRM (regarding security issues).

Open Mobile Alliance:

- Report and Discussion on OMA meeting held in Rome.

- 3GPP and OMA relationship has to be further clearly defined.

- LS to OMA on ongoing Rel-5 MMS MM1 Stage3 work (TP-020258).

Slide 13: DRM. It was clarified that there is activity in OMA on DRM and TSG T would ensure that there was minimal duplication of work for 3GPP DRM.

Slide 12: MMS. MM Message Size definition. It was clarified that a SA WG5 CR had been approved on Message Size at this TSG SA meeting (TD SP-020454). It was generally agreed that the best expertise for this is in SA WG5.

Slide 9: It was asked how comprehensively the 2 packages cover the total set of test cases. This was not immediately clear and some off-line checking was needed in order to verify this.

Slide 10: MExE - Clarification on the "way forward" was requested. The TSG T Chairman explained that no functional changes will be made to TS 23.057 and effort will be concentrated on stabilising the specification. Once stable, it will be frozen (only Category "F" CRs will be considered).

Slide 17: DRM Security. The TSG T Chairman clarified that T WG3 intended to be involved in the (U)SIM-related security work.

Slide 8: Funding requiremnets for TTCN work. The TSG T Chairman clarified that there is 50Man-month resource endorsed for 2002/2003, a further 22 Man-months has been requested, 50% funded by GSMA, the other 50% to be provided by Manufacturers. This budget has to be approved by the PCG. He explained that this type of support was essential for the provision of TTCN.

The TSG T Chairman was thanked for the report, which was noted.

TD SP-020595 WID MMS enhancements. This was introduced by the TSG T Secretary. A need for further elaboration and new functionality of MMS had been identified in TSG T and this WID had been approved by TSG T.

The Objective bullet: "Consider and accommodate the needs of 3GPP IP Multimedia Subsystem (IMS)" was questioned. It was clarified that this was intended only to consider any interaction with IMS that may result from the MMS enhancements that result from this Work Item. The WID only lists existing specifications for possible changes, and does not expect the creation of any new specifications. TSG SA noted that CN WGs (in particular CN WG1) should be involved in the considerations of any interaction with the IMS.

The TSG SA Chairman suggested that companies think about which enhancements were of benefit for Rel-6. Any appropriate clarification or modification to the WID should be taken into TSG T. It was suggested that any Member with strong opinion about this should send delegates to the appropriate meetings of TSG T WGs.

SA WG1 were asked to produce a WID to elaborate the appropriate requirements for MMS Enhancements, in order that TSG T can focus their WID to these identified service requirements.

The WID had been provided to TSG SA for information and was noted.

8.3.2 Information on Release 1999, Release 4, 5 and 6 status in TSG T

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG T Chairman (see agenda item 8.3.1).

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG T Chairman (see agenda item 8.3.1).

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

TD SP-020600 Report from TSG GERAN to TSG SA#15. The TSG GERAN Chairman presented the status report on TSG GERAN activities since TSG SA meeting #16.

Flexible Layer One Concept (FLOC): It was clarified that The idea of FLOC is to provide means to support pseudo-optimised bearers (channel-coding) for services without having the need to define explict bearers (channel-coding) every time a new service or codec is defined.

The TSG SA Chairman thanked himself for his report.

8.4.2 Information on Release 1999, Release 4, 5 and 6 status in TSG GERAN

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG GERAN Chairman (see agenda item 8.4.1).

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. Any issues were summarised in the Report from the TSG GERAN Chairman (see agenda item 8.4.1).

8.5 Letters to other groups

The following contribution to the ITU-T was endorsed by TSG SA during the meeting:

Doc Number	Title	Agenda Item	Status
SP-020623	Contribution to ITU-R WP8F on the revision of recommendation ITU-R M.1079	8.2.1	Approved

8.6 Review of Release 1999, Release 4 and Release 5 specification sets

TD SP-020611 CR 010r1 to 21.101: "Correction to list of specs". This CR was approved.

TD SP-020612 CR 008r1 to 21.102: "Correction to list of specs". This CR was approved.

TD SP-020613 CR 001r1 to 21.103: "Correction to list of specs". It was noted that 22.663 and 22.664 had been omitted and 32.225 was updated to show its frozen date as this meeting. Other changes to the specifications list were made and the CR was updated in TD SP-020628 <RETURN>.

TD SP-020614 CR 008r1 to 01.01: "GSM Release 1999 specifications. This CR was approved. The specifications manager was asked to produce a CR to the next meeting to delete the GSM only parts of clause 5.

TD SP-020615 CR 007r1 to 41.102: "GSM Release 4 Specifications". This CR was approved.

TD SP-020616 CR 001r1 to 41.103: "Correction to list of specs". This CR was approved.

8.7 General aspects of Release handling and definition

There were no specific contributions under this agenda item.

8.8 Review of Release 6 status, content and completion

There were no specific contributions under this agenda item.

8.9 Beyond Release 6 and/or Current work plan (Vision, Phasing, New Technology, etc.)

TD SP-020597 Future Evolution Workshop Report. This was introduced briefly by the Workshop Chairman. and was noted.

TD SP-020622 Minutes of the kick-off Workshop on Future Evolution .The minutes of the Workshop was presented by the Secretary of the Workshop. The proposed ToR was as follows:

- *The 3GPP evolution ad-hoc group produces the initial version of a long-term high-level road map to guide the future work for 3GPP.*

- *The ad-hoc focuses on items, which are pertinent to the evolution of 3GPP specifications.*

- *The high-level road map is envisaged to be a "living document" that can be updated to reflect future developments and innovation as necessary.*

- *Technical work based on the road map should be conducted by TSGs through normal 3GPP working procedures.*

- *The ad-hoc group reports to TSG SA Plenary meetings.*

The TSG SA Chairman suggested holding the next Workshop on the Sunday before the start of TSG SA meeting in order to allow the TSG SA meeting to continue uninterrupted by the Workshop. This was agreed in principle and the Host (NA Friends of 3GPP) agreed to investigate whether a room is available at the Venue.

The Workshop Chairman was thanked for Chairing the Workshop and the report was noted.

8.10 Other issues

There were no specific contributions under this agenda item.

9 Project Management

9.1 Review of work programme

9.2 Working methods

9.3 Other issues

10 Project support

TD SP-020521 Specs status list prior to TSGs#17. This was provided for information and was noted.

TD SP-020522 Specs status list at end of TSG SA#18. This was not available, as it is produced just after the close of the meeting.

TD SP-020523 List of specs / releases. This was provided for information and was noted.

TD SP-020619 Report of Activities within MCC to TSG SA #17. This was presented by the Head of MCC.

The MCC workload still shows an increasing trend and, whichever way you look at it, that trend is not expected to reverse in the near future. However, It is now inevitable that the MCC resources will be reduced in 2003 and this will result in an additional burden on meeting delegates and the tasks currently being performed by volunteers. MCC will do its part in trying to maintain a high level of service and with the co-operation of 3GPP members it is hoped that this can be achieved.

Questions to TSG SA:

- TSG SA is asked to seek agreement on the cancellation of the CD-ROM service at TSG Plenaries and to indicate the date from which this change can take effect.

TSG SA agreed that CD-ROM would not be needed at future meetings except as a back-up in case of LAN failure.

- 3GPP Members are urged to identify areas where cost savings can be made, for example by changing the 3GPP structure (e.g, merging groups) or reducing the number of meetings held, and

to assist in the overall improvement of cost efficiency within the project.

Members were encouraged to discuss within their respective SDOs in order to ensure adequate funding for the MCC support and to consider where savings can be made to most efficiently utilise the budget for MCC.

The Head of MCC was thanked for providing the report, which was was noted.

11   Postponed issues from earlier in the meeting

Issues postponed for further discussion and elaboration are reported uner their respective agenda items.

12   Work plan and future meetings

TD SP-020620 3GPP Calendar of meetings. This was provided for information. Delegates were asked to take note of the meeting dates and the document was noted.

13   Any other business

There were no specific contributions under this agenda item.

In memory of the tragic terrorist actions which occurred on 11 September 2001, 1 minute of silence was observed on Wednesday 11 September 2002.

14   Close of meeting

The TSG SA Chairman thanked the hosts, Alcatel, for the exce;;ent meeting arrangements, the delegates for their hard work and closed the meeting.