

3GPP TSG SA WG3 Security — S3#20

S3-010521

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Sydney, Australia

Technical Specification Group Services and System Aspects
Meeting #13, Beijing, China, 24-27 September 2001

Source: Secretary TSG SA (Maurice Pope, MCC)

Title: Draft Report of meeting #13, version 0.0.5

Document for: Information

Contents

1 Opening of the meeting

The TSG SA Chairman, Mr. Niels Peter Skov Andersen opened the 13th meeting of TSG SA and welcomed delegates to the meeting. Mr. Niel Lily welcomed delegates to the meeting and to Beijing on behalf of Lucent Technologies. A social event had been arranged for Wednesday 26th September at the Great Hall of the People. He wished TSG SA a successful meeting.

2 Approval of the Agenda

[TD SP-010400](#) Draft Agenda for meeting #13. The TSG SA Chairman introduced the agenda. A main target for the meeting was to provide an idea of the content and timing of Release 5.

The TSG SA Chairman announced the 3GPP IPR policy and provided the formal call for declaration of IPRs to members respective SDOs.

3 Approval of the meeting report of TSG-SA Meeting # 12

[TD SP-010401](#) Draft Report of meeting #12 - version 0.0.6. The report of the previous meeting was **approved**. The Secretary was asked to provide the annexes more quickly after the meeting for future reports.

4 Items for immediate consideration

[TD SP-010485](#) Handling of late feature proposals in 3GPP Releases. This was presented by Siemens AG and suggested that a date that is set before the finalisation of a Release, where new features for that Release are to be normally be accepted (e.g. 6 month before the finalisation). After that time, new features should normally be targeted to next Release. There was some support for this proposal and it was commented that the work plan requires to be populated with features, and the WGs should be responsible for providing accurate timescale estimates, from which the content of a Release can be determined. Siemens responded that they requested no large change to the Work Planning, but to provide a cut-off date for new features in a Release, so that the work can be prioritised in the WGs. The TSG SA Chairman summarised that we need to set a target date - SA WG1 usually make a rough estimate at the time needed for a Release, and then SA WG2 would provide feedback which may lead to a revision of the dates. It was also commented that the work loads of the WGs need to be taken into account before adding more features to a Release and when deciding on the target date for a Release. The document was then **noted**, and it was recognised that it was in line with existing principles, and WGs were reminded to be realistic when providing target dates for completion of Work Items.

5 Reports from TSG SA ad-hoc meetings

There were no contributions under this agenda item.

6 Letters / Reports from other groups

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

6.2 Partners and their bodies

[TD SP-010403](#) Letter from ETSI-BRAN Chairman to SA: Interworking collaboration between ETSI-BRAN and 3GPP. The TSG SA Chairman presented the liaison in the absence of a delegate from ETSI EP-BRAN. ETSI EP-BRAN invited 3GPP to start collaboration, with the aim of creating the necessary interworking functionality between 3GPP and advanced WLAN technologies. The SA WG2 Chairman reported that this had been discussed in SA WG2, but that they had decided to leave the in-depth discussion to TSG SA. The TSG RAN Chairman reported that there were some requirements implied on the lu interface. It was noted that a proposed WI related to this was provided in [TD SP-010588](#) and that a response Liaison Statement was intended to be produced, depending on the result of discussions, in [TD SP-010583](#).

[TD SP-010481](#) ETSI-BRAN / UMTS Interworking. This LS further elaborated on the LS provided in [TD SP-010403](#) and provided two potential options for HIPERLAN2 - UMTS interworking. It was considered that the HIPERLAN technology was a restrictive choice and that the proposal should be considered in a more generic way to include other suitable WLAN technologies. It was also commented that the IETF specifications were in need of update to fulfil the 3GPP Security requirements and could not be simply selected as they are. The Access Control requirements would also need to be clarified and should be considered by operators. It was **agreed** that no action should be taken until the issues are clarified and the requirements and impacts are better understood. It was also noted that a proposal for a WI on this was provided in [TD SP-010588](#).

It was noted that the next ETSI EP-BRAN meeting was 23-25 October at ETSI headquarters, Sophia Antipolis, France.

[TD SP-010583](#) (revision of [TD SP-010489](#)) This was updated to clarify that a work item is attached rather than a feasibility study report, in [TD SP-010589](#) . This was updated to source TSG SA and provided in [TD SP-010593](#) and was **approved**.

[TD SP-010404](#) LS from SPAN-11 WP NAR to ETSI EP M-COMM and 3GPP on Mobile and Electronic Commerce. This LS requested advice on the need for and requirements of MNCs for mobile and electronic commerce use. It was noted that a LS had been produced by TSG SA on this subject before and that the response did not appear to have been fully understood. e- and m-commerce operators can either be a mobile operator or another type of operator, and the allocation of MNCs would be dependent upon this status. It was suggested that a response was produced indicating that the use of MNCs would provide problems on the availability of numbers and the LS provided in TSG #12 ([TD SP-010366](#)) should be used as a basis of a response, and to suggest a small meeting of interested people to explain how the 3GPP system uses MNCs. The ETSI OCG meeting was suggested as a good forum for this meeting. This was provided in [TD SP-010544](#) which was **approved**. TSG CN were asked to consider whether a warning needs to be included in their specifications about the backward compatibility issues with MNCs (23.003, 24.008, 29.002, etc.)

It was noted that GSM Europe (part of GSMA) was commenting on the m- and e-commerce issues relating to the use of MNCs and may be able to provide more information to ETSI SPAN-11.

[TD SP-010405](#) LS from GSMA SerG to SA: Hand over scenario's between 2G and 3G networks. This was presented by the TSG SA Chairman and requested information from TSG SA on Charging principles for 3 different handover scenarios. SerG believed as a general principle that charging should be based upon the service delivered rather than the technology used to deliver those services. It was agreed that a response would be produced to discuss the handover scenarios and related charging aspects from the 3GPP viewpoint. This was provided in [TD SP-010576](#) which was updated to remove Proposed in the title and update the source corrected to TSG SA and was provided in [TD SP-010578](#) which was **approved**.

[TD SP-010406](#) LS from ETSI TIPHON to SA: Convergence of QoS approaches in 3GPP and TIPHON. This was presented by the TSG SA Chairman and discussed the requirements for end-to-end QoS identified for TIPHON and the work needed on SIP/SDP in the IETF. It was recognised that the IETF should receive requirements from TIPHON and 3GPP in a co-ordinated way in order to eliminate incompatible requirements on the IETF specifications that will be used by both bodies. The SA WG5 Chairman requested the LS be considered in SA WG5 in order to analyse the TMN aspects of the QoS requirements. This request was noted. SA WG2 were asked to consider this further (SA WG1 and SA WG2 were copied on this LS).

[TD SP-010520](#) Liaison Statement from EPP MESA steering committee#03 to 3GPP and 3GPP2. This LS cited the terrible events, which occurred on 11th September 2001, and stated that wireless technology can provide reliable and resilient emergency services and can be swiftly set up and adapted to meet emergency situations. The LS was provided for information and introduced by Mr. J Fenn, and was **noted**.

6.3 Others

[TD SP-010412](#) New ITU-T SG 16 work on Distributed Speech Recognition (DSR) and Distributed Speaker Verification (DSV). This was presented by the TSG SA Chairman and reported that the ITU-T SG 16 had agreed to open a new Question and to increase the scope of the work to include Distributed Speaker

Verification (DSV). The text of the new Question 15/16 was attached for information and comment. The document was [noted](#). SA WG4 were copied on the LS

[TD SP-010483](#) Release 5 Content and Timing With Respect to IMS. This was provided by 3G.IP and was provided for information. The contribution proposes that from the MRP viewpoint, It is essential that Release 5 contains at least an initial release of IMS capabilities; If the existing Release 5 dates cannot be met, a firm target no later than March 2002 shall be set and 3GPP should prioritise Release 5 capabilities and 3GPP resources should be focused on priority items in order to meet these requirements. The document was [noted](#) and taken into account under agenda item 8.8 on Release 5 content.

[TD SP-010525](#) Report on activities of IETF (Presentation). This was presented by I. Leuca (the IETF Liaison Officer). The presentation made a recommendation to reach a consensus on the IETF-3GPP process:

Check the completeness of the list and assign priorities - Companies should do this off-line do and feed back to I. Leuca.

Assign IETF-draft owners for the R5 important documents: It was thought better to continue as we are, in order not to delay our work.

Schedule a conference call with Ads: - This was considered to be a task of TSG CN who were asked to consider this recommendation.

I. Leuca was thanked for her comprehensive report to TSG SA and the presentation was then [noted](#).

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-010427](#) Status report of SA1 to SA #13. This was presented by the SA WG1 Chairman using the slides provided in [TD SP-010426](#).

Concerning IMS, clarification was requested on the use of two separate (CS and PS) MM state machines which provided more complexity. It was noted that no work had been done in CN WG1 to provide for separate state machines.

It was clarified that the UE Functionality split was still in early stages of defining what the requirements are and was unlikely to be available for March 2002.

The SA WG1 Chairman was thanked for presenting the report, which was then [noted](#).

7.1.2 Questions for advice from TSG-SA WG1

[TD SP-010407](#) LS from SA WG1 to ETSI-BRAN, cc SA : Reply to ETSI Project Broadband Radio Access Networks (EP BRAN). This LS was provided for information and was [noted](#).

[TD SP-010408](#) LS from SA WG1 to SA: IP Based Multimedia Services Framework Report. This LS was provided for information and was [noted](#).

[TD SP-010411](#) IP Based Multimedia Services Framework Report TR 22.941 Call For Contributions. This was presented by T. Kokkola on behalf of R. Wohlert, who could not attend this meeting due to travel restrictions.

It was clarified that the TS had been provided to all 3GPP groups in order that all aspects are checked and contributed to where appropriate. The presentation was then [noted](#).

[TD SP-010414](#) IP Based Multimedia Services Framework (TR 22.941) Report Work Plan. This was provided for information as a companion document to [TD SP-010411](#), and was [noted](#). Delegates were asked to consider the draft of 22.941, attached to [TD SP-010408](#) and provide contribution on this to progress the work in SA WG1.

7.1.3 Approval of contributions from TSG-SA WG1

TD SP-010430 CRs to 21.905 on Alignment of definitions requested by RAN 4. These CRs were **approved**.

TD SP-010429 CRs to 21.905 on Adding new definitions to 21.905 for In lu mode and In A/Gb mode. It was reported that the definition for Rel-5 was still unclear on this topic. These CRs were **approved**.

TD SP-010431 CR to 21.905 version 5.0.0 Nomenclature for GTT. This CR was **approved**.

TD SP-010440 CR to 22.057 on Generic requirements for support of multiple MExE classmarks. This CR was **approved**.

TD SP-010442 CRs to 22.060 and 22.105 on Introduction of High Speed Downlink Packet Access. These CRs were **approved**.

TD SP-010432 Various CRs to 22.078. These CRs were **approved**.

TD SP-010428 CR 22.100-030r1 on Correction of support of facsimile teleservice for UMTS R99 specifications. This CR was **approved**.

TD SP-010441 CRs to 22.101 on Addition of a statement on parameter storage on the SIM/USIM. The inclusion of a new requirement at this late stage for Rel-4 was queried. The SA WG1 Chairman clarified that the work required in TSG T was minimal and that, to his knowledge, no other changes were needed in other specifications. It was further clarified that the user cannot update these fields, and there is no impact on the SIM Toolkit. After some discussion these CRs were **approved**.

TD SP-010437 CR 22.101-085 on Correction of MMS paragraph for streaming. This CR was **approved**.

TD SP-010436 CRs to 22.101 and 22.127 on Definitions of Home Environment and HE-VASP. These CRs were **approved**.

TD SP-010439 CRs to 22.127 Rel-5 to introduce new functions. It was asked whether these Category B CRs introduced new feature requirements which would impact the CN work for Rel-5. It was asked that the CRs indicate the fact that they include already agreed features in the future. These CRs were **approved**.

TD SP-010434 CR to 22.129 on Release 5 IMS Service Continuity Requirements. This CR was **approved**.

It was noted that from slide 28 of the presentation slides, the CRs presented in TSG CN (NP-010505 and NP-010506) had been **withdrawn.**

TD SP-010433 CR to 22.226 version 5.0.0 GTT Stage 1 as requested by SA on Subscription for GTT. This CR was **approved**.

TD SP-010435 CRs to 22.228 on Interworking with internet and Determination of terminal capability. These CRs were **approved**.

TD SP-010438 CR 22.228-009r2 on IM CN Subsystem Roaming. The specification of a cause value, but not the reaction to this cause value was questioned. Some concerns were raised and it was explained that this CR had been approved by e-mail and not seen in an SA WG1 meeting. It was decided that SA WG1 could be asked to re-consider this at their next meeting and the CR was **postponed** for further consideration of the consequences of this proposed change.

TD SP-010545 CR 22.905-017 on Application of RAN CR 21.905-008 to Release 1999. This CR was **approved**.

TSs and TRs:

TD SP-010443 Stage 1 description of Multimedia Broadcast/Multicast Service (TS 22.146 v2.0.0) for approval. The intended media for this service was questioned as the document did not make reference to the data to be Broadcast or Multicast. The question was also raised on the impacts on the radio interface as the service does not consider re-transmission (i.e. required radio channel robustness/quality). This TS was **approved** and placed under TSG SA change control as version 5.0.0 (Rel-5). **SA WG1 were asked to**

provide clarification on the questions raised and provide CRs to the document at the next TSG SA meeting. It was noted that this had been seen as a TR in TSG SA#12 in [TD SP-010267](#) (TR 22.946 version 1.0.0).

[TD SP-010444](#) Stage 1 description of Presence Service (TS 22.141 v2.0.0) for approval. This TS was **approved** and placed under TSG SA change control as version 5.0.0 (Rel-5). The TSG SA Chairman requested that the open items are identified on a cover note for future TSs and TRs for approval.

WI descriptions:

[TD SP-010445](#) WID for Distributed Speech Recognition (DSR). Contributions on this proposal had been provided in [TD SP-010488](#) and [TD SP-010531](#), which were considered. After some discussion, it was agreed that the Stage 2 and 3 completion dates should be removed and the other WGs could determine the timescales for the completion of their work. Interested delegates were asked to revise this WID for further discussion in SA WG1 or for submission to this meeting, as appropriate. SA WG1 were also asked to consider the interworking with Aurora systems. (The WID was therefore not approved). The updated WI was provided in [TD SP-010551](#) which was modified again in [TD SP-010555](#) taking into account of comments received. This WI description was updated to change the schedule as Stage 1 for info at SA#14, approval at SA#15, and remove "will be done by Aurora" in the comments. This was provided in [TD SP-010581](#) which was **approved**.

[TD SP-010566](#) - ETSI ES 201 108 version 1.1.2 was provided for information supporting [TD SP-010555](#) and was **noted**.

[TD SP-010572](#) WI on Speech Recognition and Speech Enabled Services. This was provided by Ericsson, IBM, Nokia, Siemens and T-Mobil, and was **approved**.

[TD SP-010488](#) Comments on the time scale of proposed work item 'Speech Enabled Services Based on Distributed Speech Recognition (DSR)'. This was provided and presented by Siemens and requests a broadening of the scope of the work and consequently targeted for Post Rel-5.

[TD SP-010531](#) Comments on the time scale of proposed work item 'Speech Enabled Services Based on Distributed Speech Recognition (DSR)'. This was provided by IBM and contains additional comments on the Siemens AG contribution in [TD SP-010488](#).

[TD SP-010446](#) WID for Generic User Profile. It was noted that an alternative WI proposal had been provided in [TD SP-010548](#) which was also considered and discussed. This WI was **withdrawn** in favour of the updated proposal from Vodafone in [TD SP-010548](#).

[TD SP-010548](#) Proposed WI description: the 3GPP Generic User Profile. (revision of [TD SP-010532](#), with changes identified as being in clause 10). This was an alternative proposal to [TD SP-010446](#) from Vodafone. This WI description was **approved**. **It was noted that the timescales were considered a "best guess" and should be considered by the affected WGs and updated accordingly.**

[TD SP-010484](#) Work Item for UE Functionality Split. There was some discussion on the potential impact on the access network, and SA WG1 were asked to take this into account when drafting the requirements. This WI description was **approved**.

[TD SP-010504](#) Operators' Concerns over Service Requirements. This contribution was provided by a number of operators and presented by Vodafone. It reports on the concerns of many operators on the growing trend to produce specifications in 3GPP before the service requirements are defined. It asked 3GPP to endeavour to ensure that all new and updated features which have a service impact should be in accordance with clear stage 1 specifications and that SA WG1 support this by all members working together to achieve comprehensive and timely stage 1 specifications. It also requests that SA WG1 work more closely with the MRPs to identify market based service requirements. TSG SA have continuously tried to follow these sentiments by reminding groups that the detailed specification work cannot start in earnest until the Service requirements are provided by SA WG1. This contribution was therefore **noted**, and all groups were reminded of these principles and asked to follow them.

[TD SP-010505](#) Issues Related with Inter-RAT PS Domain RT Handover (PS RT HO). This was presented by AT&T Wireless Services and requested that TSG SA clarify the service continuity requirements for inter-RAT PS domain handovers for real-time services in the PS-domain within 3GPP TSGs. It also requested that a

target time frame be provided for including this support in the 3GPP specifications, either in a phased manner, or otherwise. It was explained that SA WG1 are contribution-driven and that they need contribution on this subject in order to make progress. Therefore, Member companies were urged to contribute to SA WG1 on the service requirements. TSG SA would monitor the progress at the next meeting and determine whether there is interest in this work. The document was then [noted](#).

[TD SP-010543](#) Priority Access Service Preliminary Requirements. This was presented by Voicestream Wireless and details the US FCC requirements for Priority Access Service for use in emergency situations to provide access when networks are blocking. It was reported that GSM 02.11 provided access control procedures and this may be an easier route to implementation of this requirement, rather than the use of GSM 02.30. Voicestream Wireless responded that this was an error in the contribution and 02.11 was intended. It was explained that there are 5 classes defined, 2 for use in Home PLMN and 3 for use when roaming. The use of these classes were under the discretion of the network operator. It was suggested that the service requirements for GSM and the FCC should be compared to see if they are covered. A companion WI description was provided in [TD SP-010523](#).

[TD SP-010523](#) WI description: Priority Service. This was introduced by Telcordia Technologies, Inc. This WI description was [approved](#).

It was agreed after a number of comments on this subject that the suitability of existing functionality should be investigated first in order to offer a quicker solution for the US FCC requirements, rather than developing a new feature which would take more time and resource.

Liaison Statements:

[TD SP-010529](#) LS to SyncML on Generic User Profile. This was presented by the Generic User Profile ad-hoc Chairman. It was [agreed](#) that this LS should be submitted to The SyncML Initiative. (This LS was therefore [approved](#) and updated to remove "proposed" from the title and provided in [TD SP-010557](#)).

[TD SP-010530](#) LS to GSM-A on Generic User Profile. This was presented by the Generic User Profile ad-hoc Chairman. It was [agreed](#) that this LS should be submitted to GSM-A TWG/SERG. (This LS was therefore [approved](#) and updated to remove "proposed" from the title and provided in [TD SP-010558](#)).

7.2 TSG-SA WG2

7.2.1 Report from TSG-SA WG2 and review of progress

[TD SP-010506](#) TSG-SA WG2 report at TSG SA #13. The SA WG2 Chairman presented the report of SA WG2 activities since TSG SA meeting #12. The SA WG2 Chairman was thanked for presenting the report, which was then [noted](#).

7.2.2 Questions for advice from TSG-SA WG2

There were no contributions under this agenda item.

7.2.3 Approval of contributions from TSG-SA WG2

Approval of TSs and TRs:

[TD SP-010507](#) TS 23.236 v.2.0.0 of "Intra Domain connection of RAN nodes to multiple CN nodes". This was presented to TSG SA for approval. The contribution in [TD SP-010547](#) was introduced by T-Mobile (see below). The TS was revised as described below in [TD SP-010573](#) which was [approved](#). It was noted that the title of the cover document to the specification was incorrect, but the Specification itself was correct.

[TD SP-010547](#) Clarification on lu flex. T-Mobile proposed two possible ways to resolve the mismatch between the current WID and TS 23.236, either to delete all sections in TS 23.236 dealing with multiple core networks connectivity from the RAN and to progress the work for matching the original goals of lu flexibility as documented in the WID, or to extend the scope of the current Work Item Description at TSG SA#13 to include the connection to multiple CNs. It was [agreed](#) that sections 4.9 and 6.2 need to be removed from the specification to align the content with its Scope. It was also considered that a more thorough check should be done and the document revised and re-presented for approval (see discussion of [TD SP-010507](#) above).

TD SP-010508 TR 23.974 v.2.0.0 on "Stage 2 for Push services". This was presented to TSG SA for approval. The SA WG2 chairman clarified that they would like to finalise this TR and return to it when more information is available to add to the report. **There was some concern expressed on publishing this as it stands as a 23.9-series specification, which may be externally published (and referenced) and it was agreed to change it to an internal TR in the TR 23.8xx series.** This TR was **approved** and placed under TSG SA change control **as TR 23.875** version 5.0.0 (Rel-5).

A question was raised over the text about the timescales for Push services in section 8 of the TR. The SA WG2 Chairman clarified that this was the conclusion drawn by SA WG2, and they would update this when input from SA WG1 is available. It was clarified by the TSG SA Chairman that **the approval of this report does not imply an explicit approval of the target dates contained in the report** and SA WG2 were asked to revise the timescales as appropriate.

Approval of CRs:

TD SP-010509 CRs on 03.60 and 23.060 (GPRS/PS domain stage 2). A concern was expressed over the Rel-5 CR 248r1 "Binding Information in PDP Configuration Options" as for Rel-4 GSM, it was not sure whether the IE could be passed through and could cause a backward compatibility problem. CR 248r1 was **rejected** and SA WG2 were asked to re-consider this CR. **Apart from CR 248r1**, these CRs were **approved**.

TD SP-010510 CRs on 03.71, 23.171 and 23.271 (LCS Stage 2). It was clarified that CR 23.271-035r1 creating Rel-5 was PS domain and therefore was not reflected back into Rel-4. These CRs were **approved**.

TD SP-010511 CRs on 23.002 (Network Architecture). These CRs were **approved**.

TD SP-010512 CRs on 23.107 (QoS). These CRs were **approved**.

TD SP-010513 CRs on 23.207 (E2E QoS). These CRs were **approved**.

TD SP-010514 CRs on 23.221 (Architecture Requirements). These CRs were **approved**.

TD SP-010515 CRs on 23.228 (IMS). It was commented that a revision to CR 052r2 had been created (CR 054) but not yet agreed by SA WG2. It was clarified that the CR 052r2 had been approved by e-mail by SA WG2 after agreement at a drafting meeting. It was decided that as the specification is not yet frozen, the CR 052 would be approved and further discussion of the changes proposed in CR 054 should be handled by SA WG2 at their next meeting. These CRs were **approved**.

TD SP-010553 Additional CR on 23.228. This CR was **approved**.

WI descriptions:

TD SP-010516 WI on S2's involvement in MBMS. It was considered important that this work is started, and an update to the WI Description would be expected at the next TSG SA meeting, when the full impact and scope should be clearer. This WI description was **approved** (as a BB under the IMS Feature).

TD SP-010517 WI on S2's involvement in Presence. This WI description was **approved** (as a BB under the Presence Feature).

TD SP-010518 Revised WI on LCS in Rel5. Changes shown with revision marks were requested for future revisions to WIs. It was explained that most of the WI had been changed and this should be considered as a new proposal for the WI. The linked WIs were not considered clear enough and were updated in TD SP-010574 which was **approved**.

TD SP-010519 WI on S2's involvement in IMS Charging. This WI description was **approved**.

Other documents:

TD SP-010521 QoS Option Reduction/Prioritisation in 23.207. This was provided by a number of companies and presented by Mannesmann Mobilfunk. The contribution asked TSG SA to task SA WG2 to try to reduce the number of options and scenarios in TS 23.207 for Release 5. It was noted that SA WG2 were already looking into reducing the number of options in their specifications. The TSG SA Chairman repeated that TSG SA request all WGs to minimise the number of options in the specifications as a principle. Members

should contribute to WGs in order to propose which options are not necessary (in particular, before the specifications are "functionally frozen") and which propose their removal. This contribution was therefore [noted](#) and all Members asked to contribute to the WGs.

7.3 TSG-SA WG3

7.3.1 Report from TSG-SA WG3 and review of progress

[TD SP-010490](#) SA WG3 status report to TSG SA#13. The SA WG3 Chairman presented the report of SA WG3 activities since TSG SA meeting #12. It was reported that Rolf Schnitzler (D2 Vodafone) had been elected as new Chairman of the SA WG3 Lawful Interception group.

The SA WG3 Chairman reported a potential problem with the standard for (counter) mode of operation of algorithm, as the ISO/IEC 10116 will not be complete until 2003, and the use of a National standard equivalent (NIST 800-xy) could not be fully agreed within SA WG3.

The progress on IP Transport security was questioned and the timescale for provision of information to RAN groups was requested. The SA WG3 Chairman responded that progress had been slow, but that SA WG3 would provide the current status of the work to relevant RAN groups.

The implications of IPSec for integrity protection with header compression were questioned. The SA WG3 Chairman responded that integrity protection in itself had no impact on the signalling plane.

[TD SP-010491](#) Draft Reports of SA WG3 meetings since SA#12. These were provided for information and [noted](#).

The SA WG3 Chairman was thanked for presenting the report, which was then [noted](#).

7.3.2 Questions for advice from TSG-SA WG3

There were no contributions under this agenda item.

7.3.3 Approval of contributions from TSG-SA WG3

Approval of CRs:

[TD SP-010492](#) 1 CR to 33.102: Removing the list of access type codes from authentication failure report (Rel-4). This CR was [approved](#).

[TD SP-010493](#) 2 CRs to 33.103: Correction of USIM data elements for AKA (R99, Rel-4). These CRs were [approved](#).

[TD SP-010494](#) 1 CR to 33.107: Missing location related information in Packet Data Event Records (R99). This CR was [approved](#).

[TD SP-010495](#) 2 CRs to 33.107: Reporting of Secondary PDP context (R99, Rel-4). These CRs were [approved](#).

[TD SP-010496](#) 1 CR to 33.200: All messages of the same application context shall be applied MAPsec or not at all (Rel-4). This CR was [approved](#).

[TD SP-010497](#) 1 CR to 33.200: Clarification of scope (Rel-4). This CR was [approved](#).

[TD SP-010498](#) 1 CR to 33.200: Clarifications in SPD and SAD contents (Rel-4). This CR was [approved](#).

[TD SP-010499](#) 1 CR to 33.200: MAPsec Message Flow including extra SPD table (Rel-4). This CR was [approved](#).

[TD SP-010500](#) 1 CR to 33.200: Correction to security policy requirements (Rel-4). This CR was [approved](#).

[TD SP-010501](#) 1 CR to 33.200: Content and identifiers of a MAPSec SA (Rel-4). This CR was [approved](#).

TD SP-010502 1 CR to 33.200: MIA key length unspecified (Rel-4). This CR was **approved**.

TD SP-010503 1 CR to 33.200: MAC calculation in PM2 (Rel-4). This CR was **approved**.

7.4 TSG-SA WG4

7.4.1 Report from TSG-SA WG4 and review of progress

TD SP-010451 TSG SA WG4 Status Report at TSG-SA#13. The SA WG4 Chairman presented the report of SA WG4 activities since TSG SA meeting #12.

The SA WG4 Chairman was thanked for presenting the report, which was then **noted**.

7.4.2 Questions for advice from TSG-SA WG4

SA WG4 asked authority for formal approval of Phase 1B host laboratory work to allow payment upon finishing the work (and avoiding need to wait until TSG-SA#14 for the payment). It was clarified that the payment was for 15 kEuro. TAG SA **approved** the payment to the laboratory.**7.4.3 Approval of contributions from TSG-SA WG4**

Approval of CRs:

TD SP-010452 CRs to TS 26.104 Corrections to encoder-decoder operations AMR-NB floating point (R99 and Release 4). These CRs were **approved**.

TD SP-010453 CRs to TS 26.131 Introduction of ANR tolerance of 3 dB (R99, Release 4 and Release 5). These CRs were **approved**.

TD SP-010454 CRs to TS 26.132 on Test signals and Bandwidth of test signals for acoustic testing (R99, Release 4 and Release 5). These CRs were **approved**.

TD SP-010455 CRs to TS 26.173 Corrections to AMR-WB C-code and file format description (Release 5). These CRs were **approved**.

TD SP-010456 CR to TS 26.231 on Request to change muting of transmitter from 5th info bit to 4th info bit at beginning of a TTY burst (Release 5). This CR was **approved**.

TD SP-010457 CRs to TS 26.234 Corrections to Transparent end-to-end packet switched streaming service (PSS); Protocols and codecs (Release 4). These CRs were **approved**.

TD SP-010458 CRs to TR 26.975 Clarification of 3G simulator settings used for AMR characterization in 3G channels (R99 and Release 4). It was clarified that the identified problem was only in the characterisation Phase and not the Selection Phase. These CRs were **approved**.

Approval of WI descriptions:

TD SP-010459 Work Item Description for Floating-point ANSI-C code for the AMR-WB speech codec. This WI description was **approved**.

7.5 TSG-SA WG5

7.5.1 Report from TSG-SA WG5 and review of progress

TD SP-010460 Status report from SA WG5 to SA#13. The SA WG5 Chairman presented the report of SA WG5 activities since TSG SA meeting #12.

It was clarified that there was only an open study on the OSS/J area (ref: Slide 9).

The SA WG5 Chairman was thanked for presenting the report, which was then **noted**.

7.5.2 Questions for advice from TSG-SA WG5

7.5.3 Approval of contributions from TSG-SA WG5

Approval of CRs:

[TD SP-010462](#) R99 CR32.005 (Telecommunications Management; Charging and billing; 3G call and event data for the Circuit Switched (CS) domain). These CRs were **approved**.

[TD SP-010463](#) R99 CR32.015 (Telecommunications Management; Charging and billing; 3G call and event data for the Packet Switched (PS) domain). These CRs were **approved**.

[TD SP-010473](#) R99 CR32.106-6 (Basic Configuration Management IRP: CORBA Solution Set Version 1:1). This CR was **approved**.

[TD SP-010465](#) Rel-4 CR32.101 (3G Telecom Management principles and high level requirements). This CR was **approved**.

[TD SP-010466](#) Rel-4 CR32.102 (3G Telecom Management Architecture). This CR was **approved**.

[TD SP-010472](#) CR52.071 Withdrawal from Rel-4 of 52.071 (Location Services (LCS); Location services management). This CR was **approved**. The **withdrawal** of TS 52.071 from Release 4 was **approved**.

[TD SP-010468](#) Rel-4 CR32.403 (Telecommunication Management; Performance Measurements; UMTS and combined UMTS/GSM). This CR was **approved**.

[TD SP-010479](#) Rel-4 CR32.600-series Corrections. These CRs were **approved**.

[TD SP-010476](#) Rel-4 CR32.602, 32.603 & 32.604 on Correction of invokeIdentifier usage. These CRs were **approved**.

[TD SP-010477](#) Rel-4 CR32.652 & 32.654 on Adding mcc and mnc in the object model of GERAN (NRM). These CRs were **approved**.

[TD SP-010478](#) Rel-4 CR32.6x4 (IRP: CMIP SS) on Corrections due to document renumbering. These CRs were **approved**.

[TD SP-010469](#) Rel-4 CR32.111-3 (Telecommunication Management; Fault Management; Part 3: Alarm Integration Reference Point: CORBA Solution Set). This CR was **approved**.

[TD SP-010474](#) Rel-4 CR32.111-2 & 32.111-3 on thresholdInfo in Alarm IRP. These CRs were **approved**.

[TD SP-010522](#) (Replacement of [TD SP-010475](#)): Rel-4 CR32.101, 32.111-2 & 32.303 on Rule for IDL file names. These CRs were **approved**.

[TD SP-010471](#) Rel-4 CR32.304 (Telecommunication Management; Notification Integration Reference Point: CMIP Solution Set). These CRs were **approved**.

[TD SP-010470](#) Rel-4 CR32.111-4 for upgrading R99 to Rel-4 (Telecommunication Management; Fault Management; Part 4: Alarm Integration Reference Point: CMIP Solution Set Version 1:1). This CR was **approved**.

WI descriptions:

[TD SP-010461](#) Rel-5 WI Descriptions for Charging and OAM&P (Operations, Administration, Maintenance & Provisioning) (Feature: OAM and 5 Building Blocks). These WI descriptions were **approved**.

Approval of TSs and TRs:

[TD SP-010464](#) Rel-4 Charging: delivery of all 4 draft V2.0.0 specifications for approval (32.200, 32.205, 32.215 and 32.235). These TSs were **approved** and placed under TSG SA change control as version 4.0.0 (Rel-4).

It was noted that the requirements for charging require examination and companies were advised to check the content of TS 32.215 carefully.

[TD SP-010467](#) Rel-4 Performance Management (PM): delivery of the remaining 2 out of 3 draft V2.0.0 specifications for approval (32.401, 32.402). It was noted that the proposed TS 32.401 was GSM-only and as such should be numbered within the GSM-only specification set (40.000 - 59.999 series). TS 32.402 was therefore renumbered as 52.402 and SA WG5 were asked to update their references in their specifications to reflect this change. These TS 32.401 and TS 52.402 were **approved** and placed under TSG SA change control as version 4.0.0 (Rel-4)

7.6 3GPP Work plan

[TD SP-010537](#) 3GPP Work Plan. The work plan was provided for information and as support for [TD SP-010552](#).

[TD SP-010552](#) (revision of [TD SP-010546](#)) MCC review of the Work Plan. This was presented by A. Sultan, MCC and provided the MCC view on the status of Work Items for Rel-5 according to the progress in the WGs on each item.

The re-definition of Stage 3 by the WAP Forum for MMS enhancements was questioned, and clarification was requested on the Rel-4 stage 3 being complete. It was clarified that T WG2 had asked the WAP Forum for timescales, but no response had been received.

[TD SP-010550](#) Proposal for cleaning-up the IMS feature (revision of [TD SP-010447](#) taking account of comments received from the other TSG meetings - CN, RAN and T). This was presented by A. Sultan, MCC who explained that the revised IMS feature had not been included in the 3GPP Work Plan ([TD SP-010537](#)). A version with revision marks were included in [TD SP-010447](#) but not in this version due to the large number of changes making it unreadable.

The splittable column identifies the items which may be separated out into different Releases, and this is taken into account for the minimum IMS functionality in [TD SP-010448](#).

[TD SP-010448](#) Identifying the minimum functionality of IMS. This was considered in TSG T and TSG RAN. TSG T had raised a concern on line 27, on UE functionality Split, that if UE split is removed from Release 5 some indication should be given that the security and interworking aspects of a split UE have not been considered and therefore manufacturers are recommended not to implement a split UE based on Release 5.

7.7 Review of TSG-SA Release 1999 and Release 4 completion

7.8 Review of TSG-SA Release 5 status and scheduling

7.9 Beyond Release 5

7.10 Review of TSG-SA work programme

7.11 Letters to other groups

7.12 Other issues

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-010542](#) CN Report to SA#13. The report of the TSG CN meeting #13 was presented by the TSG CN Chairman.

Issues for SA Information:

DSR (Distributed Speech Recognition): CN1 will investigate SIP and SDP impacts, which may not make Release 5 if there are significant new requirements. **IMS Framework Report:** Validation seems to be a useful concept, but any new requirements almost certainly can't be accommodated for Release 5. **IETF Dependencies becoming critical:** More IETF RFC dependencies, Some work is still not scheduled in IETF, TSG CN are refocusing on protocol requirements. **Joint meeting on M3UA/SUA choice:** CN4 and RAN3 experts meeting, November 7-8 (Helsinki, TBC), to reach agreed solution for M3UA/SUA usage in CN/RAN configurations, the Fallback will be to produce evaluation information for a TSG RAN vote.

CN Harmonization: OHG have Requested Harmonization, 3GPP and 3GPP2 endorsed a workshop in first Quarter of 2002. **ITU-T Coordination:** The ITU-T have agreed to limited inclusion of TRs and will synchronize future specification baselines with the ITU-R ad-hoc. Currently ITU-T has requested only Release 1999 specifications

Other issues: AMR-2 changes have been completed, no resolution on multicall handover prioritisation yet, Solution needed for error handling of unsupported AoC parameters in SCI and Release marker for GERAN should only indicate protocol version.

Changes to Work Plan

AMR-WB WID approved, Service Change and UDI Fallback WID approved, SA3 BB on UE triggered authentication should be removed, Shared Interworking Function (SIWF) Removed, MNP for IMS Removed, Network Capabilities for IMS removed.

Release Issues:

Most Wis planned for completion in March 2002, There are still many dependencies on the IETF, SA WG2 and SA WG3.

CN Recommendations:

- Rel-5 should be targeted for March 2002;
- IMS should be phased;
- New Rel-5 work should be discouraged.

Discussion and questions:

Slide 3: It was clarified that TSG RAN will not make the vote for TSG CN decisions, but TSG CN will provide information to feed into a vote in TSG RAN if a vote is needed. This is not expected to overturn the Rel-4 decision that M3UA is supported.

It was commented that the IETF work could be done in an anonymous fashion, rather than under the 3GPP flag. It was clarified that work is done in the IETF under individual Member identities (i.e. individual companies) in order to contribute the 3GPP requirements following the working procedures of the IETF. The 3GPP - IETF liaison officer repeated that 3GPP could submit requirements upon IETF drafts. It was also suggested that a group is formed to decide what should be contributed to the IETF and that a closer relationship should be developed with both the IETF and some of the other bodies submitting requirements to the IETF, considering the dependency of 3GPP work on IETF documents.

The TSG CN Chairman expressed the need for 3GPP Members to actively get involved in IETF work by sending employees to the IETF and joining relevant e-mail discussion lists.

Slide 7: Network Capabilities for IMS removed from the Work Plan: It was clarified that this was a Work Task which had been created in case there was some work to do, and none has been identified in this case.

MNP for IMS removed from the Work Plan: It was clarified that the requirements for Number Portability in the IMS environment were unclear to TSG CN. There was some discussion and some views expressed that the WI should be kept. It was recognised that there appeared to be no work ongoing in this area and if it was considered necessary by any Members then they should contribute to the work in SA WG1 in order to develop the requirements for MNP in IMS. It was further clarified that the deletion of the WI does not close the possibility of including it if it is shown to be wanted.

[TD SP-010541](#) CN#13 Draft Report. This was provided for information and was [noted](#).

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

[TD SP-010526](#) LS from CN on Removal of SIWF from R99 and onward. The TSG CN Chairman presented this LS, which reported that the conclusion of the CN plenary was that the SIWF shall be deleted from Release 1999 and onward. TSG SA noted this and had no objection to the removal of SIWF.

[TD SP-010527](#) LS from CN on the WID: AMR-WB Speech Service – Core Network Aspects. This was presented by The TSG CN Vice Chairman and asked relevant working groups to review the WID and to report any changes considered necessary and to determine whether any complementary WIs need to be created to support this. It was clarified that the RAB renegotiation should also include RAB negotiation.

It was stated that there had been no requirements provided to SA WG1 on AMR codec requirements and until contribution was received on requirements, there would be no support for the work.

TSG SA [noted](#) that this WI had been created. It was questioned if sufficient service requirement existed. **It was clarified that the applicable service requirements are those for TS11, for which the WB AMR Codec is to be considered as yet another Codec.** If this leaves any requirements open for the groups working on WB AMR, clarification from SA WG1 should be sought.

[TD SP-010413](#) Co-ordination of SDO input to ITU-T Q.REF-1. This was [noted](#) as it had been provided to TSG SA#12 ([TD SP-010351](#)).

[TD SP-010410](#) LS from CN WG4 to SA WG5, SA WG2, cc SA: Reply LS on consistent description regarding the use of Charging Characteristics. This was provided to TSG SA for information and was [noted](#).

8.1.3 Information on status and changes to deliverables

The status and changes to TSG-CN work was included in the status report from TSG-CN ([TD SP-010542](#)).

8.2 Report from TSG-RAN

8.2.1 Report and questions for discussion from TSG-RAN

[TD SP-010560](#) TSG RAN #13 meeting Report. The report of the TSG RAN meeting #13 was presented by the TSG RAN Chairman.

635 CRs were approved at TSG RAN meeting #13.

Release 1999: Number of CRs approved on Release 1999 was 266. Most of them were approved to clarify and hence avoid misinterpretation. This activity shall be limited for the next period. An important activity was decided to be started as of this meeting consisting of reviewing all options incorporated in Release 1999 and perform an analysis to review whether or not they can be used.

Release 1999 and Rel-4: Following the request from ITU-R WP8/F all material has been elaborated and sent to the OPs for their submission at the latest on the 3rd of October 2001. OPs were also requested to decide on the versions to be referenced for the final submission in April 2002. The exact date for submission is still

unclear. Clarification on this date shall be provided by WP8/F during their next meeting in October. It should be noted that for the final submission it will refer to Release 1999, Rel-4 and Rel-5

Release 5: Work on Release 5 has started. In particular, HSDPA has been subject of major inputs and discussions in RAN WG1 and RAN WG2. The stage 2 description (TS 25.308) has been approved.

A joint meeting has been agreed to take place in New Jersey 14 - 15 November 2001 between 3GPP TSG RAN and 3GPP2 TSG C, to look at potential harmonisation between HSDPA and 1EX DO and 1EX DV.

The IMS time schedule had been presented from different sources. There were not too many comments based on the fact that the impact on RAN seems very low for the first phase.

IP transport was once again tackled for the aspects of SS7 signalling transport. There has been a lot of discussion on the use of SUA or M3UA. Following a proposal from Vodafone to have some decision made by CN4, the preferred way in RAN was to have a joint CN/RAN meeting with the experts from the two groups to decide on that.

The RAN chairman stated there had been a misunderstanding between CN and RAN and after discussion with the TSG CN Chairman, slide 6 should read: *the terms of reference were agreed to concentrate on a dual solution, that is to say SUA and M3UA or M3UA only or SUA only.*

If no conclusion can be reached at the joint meeting, then a vote shall take place at RAN#14. Feasibility Study of UE antenna efficiency test methods was finalised and a request to liaise with the CTIA was endorsed to inform them about the interest of 3GPP on their work

New Work agreed at TSG RAN #13

"Beamforming" agreed to be finalised at RAN#15.

Feasibility study considering deployment of UTRA in additional and diverse spectrum arrangement.

Several other work items were proposed anticipating completion of feasibility study. They were rejected awaiting completion of the feasibility.

All work items have been reviewed and completion dates were updated where necessary.

The review of the RAN work plan was also presented in the slides.

Questions:

Feasibility study of UE antenna: It was clarified that TSG RAN had agreed that the methods in CTIA were accepted, so TSG RAN will not specify this themselves, but will liaise with CTIA in order to contribute when necessary.

TSG SA noted the RAN decision to try to reduce the number of options in Release 1999.

The TSG RAN Chairman was thanked for his report.

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

TD SP-010528 LS to TSG SA on the documents to be considered for the Revision of Recommendation ITU-R M.145. TSG SA were invited to make comments on the list of specifications and the TAG RAN Chairman would take these into account before submitting the list to ITU-R. The attached list was endorsed by TSG SA.

8.2.3 Information on status and changes to deliverables

The status and changes to TSG-RAN work was included in the status report from TSG-RAN (**TD SP-010560**).

8.3 Report from TSG-T

8.3.1 Report and questions for discussion from TSG-T

[TD SP-010571](#) (Replacement of [TD SP-010561](#)): TSG-T Status report. The report of the TSG T meeting #13 was presented by the TSG T Chairman.

T WG1 - Conformance Testing:

TS 34.108 "Common test conditions for UE conformance testing": Issues: corrections of some RBs; Introduction of RBs for TDD mode; A CR to create Rel-4 version with the introduction of LCR TDD was approved; RF conditions for signalling tests to be completed at the next meeting.

TS 34.121 "Terminal Conformance Specification (FDD)": Mostly complete, except for RRM support, which will be dealt with at an ad-hoc meeting 11-12 October 2001. Total test time: BER measurement needs further investigation.

TS 34.122 "Terminal Conformance Specification (TDD)": Mostly complete, except for RRM support, as for TS 34.121.

TS 34.123-1 "UE Conformance Specification, Part 1 - Conformance specification": Creation of Rel-4 with the introduction of some test cases for LCR TDD; Test cases for R99 and REL-4 are merged into one document to increase visibility and minimize maintenance.

TS 34.123-2 "UE Conformance Specification, Part 2 - ICS": Rel-4 created and merged with R99 as for 34.123-1.

TS 34.123-3 "UE Conformance Specification, Part 3 - ATS": T WG1 estimated that by March 2002, enough TTCN test cases will have been stabilized to allow test/verification of basic UE functionality.

Task Force 160 funding: For 2002 and 2003, TSG-T endorsed the T WG1 proposal to keep the same level of funding (58 Man Months). TSG-T asked TSG-SA to endorse the support of MCC Task 160 (the original estimate for MCC Task 160 was overrun due to maintenance on continuing changes in core specifications).

TSG-T seek **voluntary contributions from member companies** since continued financial support from SDOs is difficult.

T WG2: Services & Capabilities:

MExE: "MExE Enhancements Rel-5" on schedule; Revised WID on "MExE Security Analysis Rel-5" approved; MExE Classmark4 based on CLI; Actions were agreed to make MExE more commercially focused; Discussion on general Application Level Security Framework.

UE interfaces and capabilities: Revised Rel-5 WID "Terminal Local Model" approved; Some work on Generic User Profile will be handled by T2; A joint meeting with SA WG1 on UE Functionality Split and Device Management had been arranged; T WG2 had highlighted the importance of security matters to SA WG3 with regard to generic user profile and to device management.

Messaging: MMS REL-5 behind schedule (2 day ad-hoc arranged); TSG-T agreed to request T WG2 to freeze the EMS work by T2#15.

T WG3: USIM:

General: New Rel-5 Technical Specifications on USAT Interpreter; TS 22.112 USAT Interpreter stage 1 was approved at TSG-T #11; Two new stage two specifications approved at TSG-T #13 (31.112 and 31.113).

Special Issues: SA3 has proposed a new entity for IMS called the **ISIM**; GPRS operator preferences (CRs postponed by TSG SA#12 re-approved after SA WG1 evaluation).

Main Ongoing work: Definition and specification of a UICC/USIM Transport Protocol specific to the (U)SIM application; Storage requirements for MMS; USAT Interpreter Protocol and Administration; Discussion with

EP SCP about splitting the secure messaging and API specifications into a 3G specific part (under T3 control) and a generic part (under EP SCP control).

EP SCP Activities:

SCP recently created three Working Parties and approved one new specification (see report for more information).

Discussion and comments:

Page 14 - User Profile ad-hoc meetings: It was confirmed that the Stage ½ meeting would be hosted by Alcatel in Stuttgart, Germany 10 - 12 October 2001 (the framework ad-hoc meeting (8 - 9 October) was still not confirmed).

The freezing of TTCN on the June 2001 versions was questioned. It was clarified that this does not mean that the June version is the reference version, but is being done in order to produce a stable TTCN which can then be maintained in line with the corrected base specifications. This is done in order that the TTCN is not continuously having to change it's target during development.

Slide 16: Special Issues: It was reported that SA WG1 had not completed their evaluation on the changes proposed by the CRs on GPRS operator preferences, which had been re-approved by TSG T.

It was reported that these parameters were not intended to be user-accessible and would not affect the user interface of terminals. There was some objection of including this in Rel-4 as there was no defined service requirement and it was considered as a functional modification and therefore should only be included in Rel-5. It was also clarified that there was no stage 3 available for this feature. It was recognised that more information on the feature was required before a conclusion could be reached on whether it is essential to include in any particular Releases.

It was further clarified that the SA WG1 CRs that TSG SA approved were related to general SIM parameter update capability, and not directly related to the CRs approved by TSG T which adds new parameters.

It was concluded that as SA WG1 had not confirmed the service requirements, and TSG SA requested the **postponement** of the TSG T CRs until this task is completed. If there is no service requirement provided by SA WG1 by the next TSG T meeting, then TSG T should conclude that there is no requirement for these changes and the CRs should be rejected. **A corresponding stage 3 impacts in TSG CN and TSG GERAN should also be evaluated before TSG T consider approval of these CRs.**

Slide 3: It was clarified that the RRM testing had been recognised as a point which needed progressing by T WG1, and an ad-hoc meeting had been arranged by T WG1 to progress the work.

Slide 13: MMS - again an ad-hoc had been arranged by T WG2 to bring the work back on schedule.

TD SP-010562 Development & Deployment of TTCN Tests for 3GPP Terminals. This document was presented by the TSG T Chairman and provided background information for TSG SA for the support of voluntary funding for TTCN test case generation.

TSG SA **noted** the proposal and stressed the importance of having this facility and the need for funding and the provision of TTCN expertise to do the work. **Members were asked to seriously consider providing resources for this important work.**

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

There were no contributions on this agenda item.

8.3.3 Information on status and changes to deliverables

The status and changes to TSG-T work was included in the status report from TSG-T (**TD SP-010571**).

8.4 Report from TSG-GERAN

8.4.1 Report and questions for discussion from TSG-GERAN

[TD SP-010554](#) GERAN status Report. The report was presented by the GERAN Chairman and outlined the progress and issues in TSG GERAN since the last TSG SA meeting.

GPRS:

Discussions of making the support of the PBCCH optional for the terminal had taken place. The following conclusions were reached:

- No change to Release 1997
- Definition of recommended set of GPRS PCCCH/PBCCH features based on test capabilities and operator priorities
- IoT program that will first verify the recommended set, with the intention to verify the full PCCCH/PBCCH functionality, latest by the Release 1999 implementation.

GPRS/EDGE:

Few BSSGP / NS corrections and few corrections on the radio interface.

Release 5 A/Gb mode:

Inter-BSC/RNC NACC feature: the TR was postponed to GERAN WG2#6bis. A WI for Gb mode was approved but proposed extensions for cell load and QoS were not included.

Progress on support of lu: The stage 2 RRC was progressing well. It was agreed to delay the RLC/MAC.

Release 5 LCS: A WI LCS in GPRS for Gb and lu mode had been reviewed and CRs approved to include expected Release 5 functionality.

Frequency bands:

Information was received from ETSI EP TETRA on TETRA potentially using the 900 MHz band, which caused some concern. TETRA also informed TSG GERAN that they were re-using the GPRS specification for TETRA packet services. The 3G - 3G Interworking was considered stable.

Testing:

TSG GERAN have decided to split the GERAN terminal testing work into two groups:

- GERAN WG4: Terminal Testing for Radio Aspects Responsible for Conformance test specifications for testing of Lower layers including RLC/MAC, and
- GERAN WG5: Terminal Testing for Protocol Aspects Conformance test specifications for testing Protocol aspects above the RLC/MAC

In order to improve the information flow between the experts working on the core specification and the experts working on the test specification experts it has been decided to hold WG4/WG5 in parallel with the other WG during the plenary week.

TSG GERAN is still seeking support for TSG GERAN WG4/WG5 to draft test cases for newer functionalities, as this area has often been neglected in the past.

Support for codecs:

Channel coding for 8 PSK voice bearers had been selected. Support for WB-AMR was complete, except for call set-up and radio channel performance requirements. A new principle for specification of performance for CS voice bearers, based on required level, to obtain fixed FER was agreed. It had been decided to support AMR and EFR codecs when the lu interface is introduced.

Other Release 5 work:

- A TR on support of optimised voice was being drafted.
- Integrated VoIP application not requiring header regeneration had been assumed for Optimised Voice, the requirements for Optimised Voice needed further clarification
- GERAN had assumed that call set-up and in-call signalling is within the actual call bandwidth.
- GERAN still needed information about SIP procedures - critical for time schedule for signalling bearers (FACCH and SACCH equivalents)
- GERAN regard SIP compression as necessary to obtain reasonable call set-up times
- Work plan TSG GERAN was updated (see attachments to the report for the updated Work Plan and a list of CRs).

[TD SP-010415](#) Liaison Statement to GSMA TWG on GPRS testing. This LS, which had been copied to the TSGs for information, was presented by the TSG GERAN Chairman. It responded to a Liaison from the GSMA TWG which expressed concern on potential delays to GPRS terminals. In order to secure speedy deployment of GPRS PCCCH/PBCCH functionality TSG GERAN has agreed the following program:

1. No change to R97
2. Definition of a recommended set of GPRS PCCCH/PBCCH features based on test capabilities and operator priorities, to ensure fast and safe mass market take-up of GPRS
3. IoT program that will first verify the recommended set, with the intention to verify the full PCCCH/PBCCH functionality, latest by the R99 implementation

GERAN also pointed out the need for test specifications for GPRS testing to ensure that live operation can quickly follow the finalisation of the specifications.

After a short discussion, the LS was [noted](#).

[TD SP-010402](#) Letter from Motorola: Re The availability of Motorola's Test Capability. This had been sent on the TSG SA e-mail list and was [noted](#) by the meeting without presentation.

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

8.4.3 Information on status and changes to deliverables

8.5 Letters to others groups

<PROVIDE LIST OF OUTGOING LSs>

8.6 Review of Release 1999 and Release 4 specification sets

[TD SP-010533](#) (revision of [TD SP-010416](#)) Revised CR to 21.101: "Correction to list of specs". It was noted that 23.054 had been removed from Rel-4. The CR was updated to reflect this and provided in [TD SP-010585](#) and the revised CR was then [approved](#).

[TD SP-010534](#) (revision of [TD SP-010417](#)) Revised CR to 21.102: "Correction to list of specs". This CR was [approved](#).

[TD SP-010524](#) (revision of [TD SP-010419](#)) CR to 01.01: "GSM Release 1999 specifications. It was noted that 23.054 had been removed from Rel-4. Terminology corrections the first paragraph and the note in section 6 was also requested. The CR was updated to reflect this and provided in [TD SP-010586](#) and the revised CR was then [approved](#).

[TD SP-010575](#) (revision of [TD SP-010420](#)) Revised CR to 41.102: "GSM Release 4 Specifications". Terminology corrections the first paragraph and the note in section 5 was also requested. The CR was updated to reflect this and provided in [TD SP-010587](#). A minor correction was made and the document updated in [TD SP-010592](#) and the revised CR was then [approved](#).

[TD SP-010482](#) Proposed CR to 21.801-400: Correction of invalid clause reference. This CR was **approved**.

8.7 General aspects of Release handling and definition

8.8 Review of Release 5 status, content and Scheduling

[TD S3-010483](#) Release 5 Content and Timing With Respect to IMS. This was considered under agenda item 6.2 and considered with documents [TD SP-010425](#), [TD SP-010487](#), [TD SP-010486](#) and [TD SP-010539](#).

[TD S3-010425](#) Scope of IMS in Release 5. This contribution was provided by a number of members and was introduced by Vodafone. The contribution proposes that Release 5 is scheduled for March 2002, IMS shall be introduced in two consistent phases, with the first phase included in Release 5 and the second phase included in Release 6 and that the prioritisations of the work items in the contribution are used as a basis for the further work in the WGs. It was clarified that many conversational services would not be achievable for Release 5, but should be included in Release , with the basic "bearer" services being provided in Release 5 for support of these.

[TD S3-010487](#) Comments on SP-010425, Scope of IMS in Release 5, from AT&T Wireless Services and Rogers Wireless. This was presented by AT&T and details what features are considered essential in Release 5 from an operators perspective.

[TD S3-010486](#) Determining the Timing and Scope Of Release 5. This was provided by BT and highlights the issues of the timing and the scope of Release 5. It suggests that a realistic timescale will be March 2002 and the decision on content should be an issue for discussing in the WGs.

[TD S3-010539](#) The Minimum Acceptable Functionality of IMS in Release 5 – An Operator's Perspective. This was provided and presented by BT and identifies the minimum functionality for the Release 5 IMS system. This was updated in [TD SP-010549](#) to correct editorial errors with respect to TSG CN WIs.

[TD S3-010546](#) MCC Review of the Work Plan at Plenary #13. This was introduced by Alain Sultan, MCC, and provided the MCC view on the IMS features that could be included in Release 5 with a March 2002 target date.

[TD S3-010447](#) Identifying the minimum functionality of IMS. This was introduced by Alain Sultan, MCC, and considered the consequences of not including certain items within the IMS Feature.

Discussion and conclusions:

It was noted that all contributions provide a target date of March 2002 for Release 5 completion. The TSG SA Chairman asked whether this date was dependent on the work proposed to be included being finalised in time.

[TD S3-010563](#) This was covered by [TD SP-010570](#) and was **withdrawn**.

[TD S3-010567](#) IMS content for Rel-5. This was provided by BT, Orange (UK, France, Switzerland), Hutchison 3G, Blu, Telefonica and KPN and was presented by Orange UK. Based upon the updated work plan it proposed that the date for Rel-5 is scheduled for March 2002 and provided a list of features which should be included in the Release. The TSG SA Chairman asked whether if any of the listed WIs were delayed beyond March 2002, then there would be a delay to the Release. It was stated that the WIs listed do not show any expected delays to the March 2002 deadline, except for Security which could be expected by June 2002. It was further clarified that any delays to the other WIs would mean a possible delay to the Release.

TSG RAN Chairman stated that there was no work in TSG RAN for end-to-end QoS. It was not known if there should be because no analysis had yet been performed by TSG RAN.

[TD S3-010570](#) IMS Rel 5 essential feature. This was provided by Alcatel, Ericsson, Lucent, Nokia, Nortel and Siemens, and provided classifications for each WI depending on it's status related to Release 5. It suggested modifications to split some of the features and contained differences to the list in [TD SP-010567](#).

The list of items marked as essential was presented and discussed. The main differences identified were the Go interface (line 86) and Interworking between IMS and CS networks (line 60).

It was generally accepted that OAM and conformance testing would be allowed a later completion to the agreed Release date as is usual for these aspects of a Release.

It was commented that at the finalisation of Rel-5, Release 1999 and Rel-4 systems will probably only just be being implemented, so the Stability of the Rel-5 need not be as good as the corrected Rel-4 specifications, but will have some time before implementation for final corrections. It was further commented that operators who have implemented Release 1999 and Rel-4 systems will have CS functionality which they will want to continue using for some time, given the necessary investment incurred.

It was summarised that there was much agreement in the contributions, and the March Release date was common, both were based on the updated Work Plan, which should be used to list the expected content, there is a little risk that some items will be delayed which will have to be considered at a later time. The SA Chair suggested that the target date should be March 2002, the content should be taken as those features expected to be completed by this date according to the latest Work Plan (and including the expected Security work, delayed until June) allowing a later completion date for OAM and testing specifications.

TDs were noted and the prioritisation of the work would be for those work items which are scheduled for completion by March 2002, later items (apart from those specifically identified as exceptions, i.e. IMS security) should be given lower priority in the WGs.

<A list of essential features for IMS will be produced for guidance on prioritisation of Members contribution to the work. For items where no agreement can be obtained on their being essential, then these should be identified as secondary priority.> **<WARNING - TO BE CONFIRMED - THIS WAS NOT PART OF THE CONCLUSION>**

TD SP-010418 1st draft 21.103: "3rd Generation mobile system Release 5 Specifications". This was provided for information, and an updated version will be provided to TSG SA#14 for information with the expectation of final presentation for approval at TSG SA#15 (or when Release 5 is frozen). The TS was noted.

TD SP-010421 1st draft 41.103: "GSM Release 5 Specifications". This was provided for information, and an updated version will be provided to TSG SA#14 for information with the expectation of final presentation for approval at TSG SA#15 (or when Release 5 is frozen). The TS was noted.

TD SP-010422 Specs status list prior to TSGs#13. This was provided for information and was noted.

TD SP-010423 Specs status list at end of TSG-SA#13. This was not available due to the need to finalise the CR status and will be provided for information on the e-mail list after the meeting (Comments should be sent to john.meredith@etsi.fr).

TD SP-010591 IMS Rel 5 – Essential Features. This was provided by Alcatel, AWS, Cingular Wireless, Ericsson, Lucent, Nokia, Nortel, Mannesmann Mobilfunk, Siemens, Telenor, Telia and Vodafone Group, and was presented by Telenor.

It was commented that Lawful Interception was likely to be a requirement for the implementation of the IMS.

TSG SA noted this document as representing a view of the essentiality of the sub-functions within the IMS for Rel-5.

NOTE: When the term "noted" is used in this report, it is to be understood that the document was seen, discussed, but not approved by TSG SA.

8.9 Beyond Release 5 and/or Current work plan (Vision, Phasing etc.)

TD SP-010540 Proposed WID on Digital Rights Management (DRM). This was provided by Motorola, Nokia, Siemens and Vodafone and was presented by Nokia. The SA WG1 Chairman asked that the requirements should be done before SA WG4 start their work, and therefore the WI leadership should start as SA WG1 and updated to SA WG4 at a later date. It was agreed to modify the WID to show SA WG1 as leader and SA

WG4 as one of the supporting WGs. The name of the rapporteur will be provided when known (marked as Nokia in the present WID). The WID was updated and provided in [TD SP-010577](#) which was **approved**.

[TD SP-010565](#) (revision of [TD SP-010480](#)) WI Proposal : 'WLAN-UMTS Interworking'. This was provided by Telenor, Telia, Ericsson, Microsoft and KPN and was presented by Telenor. The discussion of technical solutions was considered inappropriate for a WI description sheet, and removal of this was agreed. The requirements document was scheduled for SA#16 and this was considered too late, and SA#15 was considered better. It was suggested that a feasibility study should be carried out beforehand to determine the likely impact on other specifications. It was agreed to update the WID to take the comments into account, which was provided in [TD SP-010582](#) which was updated to remove revision marks in [TD SP-010588](#) and was **approved**.

A LS to ETSI BRAN had been agreed in response to their LS in [TD SP-010403](#) and it was suggested that a liaison to IEEE and the Home RF Forum would also be appropriate. **Formal liaison to these bodies should therefore be obtained from the OP/PCG.**

[TD SP-010584](#) (revision of [TD SP-010569](#)) LS to IEEE 802, Home RF Forum. This was revised to clarify the text in [TD SP-010590](#). This was updated to source TSG SA and provided in [TD SP-010594](#) and was **approved**.

[TD SP-010424](#) Spec numbers and titles. This was provided for information and gave the status at time of production of the list. The list will be updated on the 3GPP web site when the final status is determined after the close of TSG SA. It was noted that the systems based on 3GPP specifications can be called a "3GPP system", with the qualifier "GERAN access", "UTRAN access" or with no qualifier which would imply either system conforming to specifications produced by 3GPP. Mr. Meredith was asked to clarify this in future lists, and the document was **noted**.

A tentative date for Release 6 was requested. The TSG SA Chairman indicated that the timescale should be adequate for the expected additional features to be developed, but this could not be fixed at present. He suggested that a 15 month cycle may be realistic.

8.10 Other issues

9 Project Management

9.1 Review of work programme

9.2 Working methods

9.3 Other issues

10 Project support

[TD SP-010559](#) Report of Support Team activities. This was presented by A. Scrase, Head of MCC, who reported that Michael Sanders had decided to leave MCC at the end of 2001 and return to Australia. He was recognised as a valuable member of the MCC team and will be a great loss to the Project. A replacement will be recruited and Members were asked to consider suitable experts within their companies to take over this work. The statistics on the performance of MCC in implementation of CRs was presented and the results of a Chairman's survey was reported as successful, and MCC were considered to be performing well. One main change was in response to the 3GPP web site structure comments and this has now been re-designed and

published to try to improve it. The funding and finance group had met in September and agreed to continue the MCC budget at a similar magnitude, so support can be expected at a similar level as for 2001. **Any additional resource requirements should be made known to MCC by the WG Chairmen immediately.**

MCC will create a DVD after this TSG meeting containing the specifications, documents and meeting reports from the TSGs, and sold to Members. Depending on the success of this, the production of Post-TSG DVDs may become a regular service.

11 Postponed issues from earlier in the meeting

The postponed items (revised documents, etc.) are reported under their respective agenda items for convenience.

12 Work plan and future meetings

[TD SP-010564](#) 3GPP TSG Calendar of meetings. This was provided for information. The hosts for TSG #14 should be modified to show ARIB/TTC. the meeting calendar was then [noted](#).

3G Evolution Workshop: 18-19 October 2001, Helsinki, Finland, Hosted by Nokia.

It was clarified that this workshop did not have a mandate for approval, but could provide advice and recommendations to TSG SA.

Meeting	2001	Location	Primary Host
TSG#14	11 - 20 December	Kyoto	ARIB/TTC
Meeting	2002	Location	Primary Host
TSG#15	5 – 14 March	Korea	TTA
TSG#16	4 –13 June	Marco Island, FL, USA	Motorola
TSG#17	3 – 12 September	France	Alcatel
TSG#18	3 – 12 December	USA	NA 'Friends of 3GPP'
Meeting	2003	Location	Primary Host
TSG#19	March (tba)	UK	UK 'Friends of 3GPP'
TSG#20	June (tba)	Finland	Nokia

Full details may be obtained via the 3GPP website (<http://www.3gpp.org>)

13 Any other business

14 Close of meeting

The TSG SA Chairman thanked the hosts, Lucent Technologies for the excellent location and facilities, and the support staff for the arrangement of the meeting and IT staff for the good LAN facilities and service.