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Technical Specification Group Services and System Aspects
Meeting #22, Maui, Hawaii, USA, 15-18 December 2003

Draft Report

Source: Secretary TSG SA (M. Pope, MCC)
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View from the meeting Hotel, Maui

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1 Opening of the meeting

The meeting was opened by the TSG SA Chairman, Mr. Niels Peter Skov Andersen, and delegates welcomed to the meeting. Mr. Gary Jones welcomed delegates to Maui, Hawaii, on behalf of the North American Friends of 3GPP, ARIB and TTC

IPR declaration:

The chairman made the following call for IPRs, and asked ETSI members to check the latest version of ETSI's policy available on the web server:

The attention of the members of this Technical Specification Group is drawn to the fact **that 3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners to **inform their respective** Organizational Partners **of Essential IPRs they become aware of**.

The members take note that they are hereby invited:

- to investigate in their company whether their company does own IPRs which are, or are likely to become Essential in respect of the work of the Technical Specification Group.
- to notify the Director-General, or the Chairman of their **respective** Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing declaration forms (e.g. see the ETSI IPR forms <http://webapp.etsi.org/lpr/>).

2 Approval of the Agenda

The agenda was provided in [TD SP-030560](#) was **approved**.

3 Approval of the meeting report of TSG SA Meeting # 21

[TD SP-030561](#) Draft Report of TSG SA meeting #21. This was introduced by the TSG Chairman and the TSG SA Secretary mentioned that the comments/objections attributed to TIM in the report in some places would be removed as TIM had reported that they had not made the comments. With these changes the report was **approved**.

[TD SP-030725](#) Proposed change to report of TSG SA meeting #21. These changes were not reviewed before the approval of the report in [TD SP-030561](#) and the changes were not considered necessary as the Rel-99 is already included in the specifications. These changes were therefore **not accepted**.

4 Items for immediate consideration

[TD SP-030670](#) Summary of e-mail discussion on organisation of charging work. This was introduced by Lucent Technologies and outlined the results of the Charging group discussions. Much discussion had taken place but no conclusions on the way forward had yet been achieved. It was agreed that discussions should continue on this and agreement sought on a way forward. It was expected that a further report on this should be provided to the next TSG SA meeting for decision. A contribution was provided in [TD SP-030784](#) which covered this point (see agenda item 8.10).

[TD SP-030744](#) Liaison Statement (from GSMA SerG) to 3GPP TSG SA on Video Telephony new requirement. This was provided by GSMA SerG and requested that TSG SA allows the introduction of new requirement within Release 6 and possibly within earlier releases on video switching to voice coverage triggered since it was considered as highly strategic for the operator community. Other contributions were discussed with this LS and a related WID provided in [TD SP-030788](#) (see agenda item 7.2.3).

[TD SP-030727](#) Introduction to Draft WID on Video and Voice Service. This was introduced by Vodafone and asked TSG SA to agree the draft WID in [TD SP-030728](#) and to request WGs to allocate time to this work as if it is a pre-release 5 feature which was then considered. [TD SP-030728](#) was then considered (see [TD SP-030777](#) under agenda item 7.2.3, final WID provided in [TD SP-030788](#)).

[TD SP-030728](#) Draft WID on Video and Voice Service This was introduced by Vodafone and proposed a new WI on Video and Voice Service. Other contributions were provided and an off-line discussion was held to discuss the proposals. As a result of these discussions, [TD SP-030728](#) was revised in [TD SP-030777](#) and re-discussed under agenda item 7.2.3 (final WID provided in [TD SP-030788](#)).

5 Reports from TSG SA ad-hoc meetings and workshops

[TD SP-030571](#) MMS Workshop Conclusions. This presentation was introduced by O2 and provided a summary of the MMS workshop conclusions.

Principle of move of MMS parts (B) to OMA:

Timing

- No touching Rel.6 / MMS 1.3 / X.S0016-C
- Start from baseline of Rel.6 / MMS 1.3 / X.S0016-C
- Ensure landing pad is operational before any move
- Approx timing 2Q 2004

Socialization

- Any input falling on the border of A and B should be communicated between the 3 Organizations
- Ownership of documentation
- OMA for (B), PPs for (A)

Phasing

1. (NOW) Work IPR, Copyright Issues
2. (NOW) Post Rel.6 / MMS 1.3 / X.S0016-C Requirements on parts (B) NOW to OMA
3. (At end Rel.6 /...) Invite new contributions (including maintenance CRs) to OMA MMSG on all specs for parts (B); Technical Work on parts (B) frozen in 3GPP/3GPP2, CRs on (B) specs owned by PPs sent to PPs for approval. Continues until Step 5 starts.
4. (Post initial input from activity (1)) Investigate specification structure mapping and Create Neutral Spec set for (B) owned by OMA
5. (After 4 and 1 are both completed) New specification material as baseline for (B)

The Workshop concluded that the output should be presented to the stakeholders and to invite OPs/OMA Board to work on IPR and Copyright Issues.

It was reported that TSG T were to discuss these results and it was thought that any decisions of TSG T should be considered by TSG SA in order to follow a similar approach.

The presentation was then [noted](#).

PCG/OP Meetings: The TSG SA Chairman reported that it had been agreed to reference the work of other bodies more broadly in 3GPP specifications. The PCG meeting had focused mainly on the verification of the 2004 Budget. Delegates were reminded that MCC support will only be provided for 1 WG meeting between TSG Plenary meetings. Additional requirements would be considered on an urgency basis if budget was available on a case-by-case basis.

6 Letters / Reports from other groups

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

There were no specific contributions under this agenda item.

6.2 Partners and their bodies

[TD SP-030564](#) LS from ETSI TISPAN: Inquiry on Status of 3GPP Service Definition and Service Creation work. This was introduced by the TSG SA Chairman. ETSI TISPAN were seeking to better understand the state of service definition and service creation in 3GPP and asked 3GPP for a brief status overview and

future plans of the 3GPP IMS service set and the status of 3GPP service creation standardization. It was reported that TISPAN may use 3GPP IMS as a basis for IMS-like services in the fixed network. It was reported that SA WG1 had replied to this LS and delegates were invited to check this and provide a proposed response from TSG SA if this was not considered sufficient. The LS was then **noted**. A proposed response was provided by Nortel Networks in [TD SP-030759](#) which was revised after off-line discussion in [TD SP-030770](#). There was a request to include a "draft" Rel-6 timescale in the document. As no agreement on such a timescale could be reached this was not included. It was **agreed** that the third bullet should be modified to read "*How Does TISPAN plan to deal with new requirements to adapt IMS to their applications?*". The LS was updated in [TD SP-030786](#) which was **approved**.

[TD SP-030568](#) Liaison Statement (from OCG EMTEL) reply to 3GPP SA2 on Comments on ETSI SR 002 180 V0.3.2. This was introduced by the SA WG2 Chairman and provided information on a Liaison exchange between OCG EMTEL and SA WG2.

It was stated that the use of SMS (including "Priority SMS") for emergency calls was not considered adequate for use as it is an inherently a store-and-forward service and therefore unreliable for guaranteed, urgent delivery to the emergency services.

The LS was then **noted**.

[TD SP-030717](#) Candidates 3GPP specifications for inclusion in Art 17 list of standards. This was introduced by TSG SA Chairman.

The purpose of this document is to provide a common interpretation of the articles and therefore the requirements that have been defined within the specific Directives and the associated Commission Decisions and Recommendations that have been published in the Official Journal of the European Community. Whilst the present document also provides general guidance to show the rationale used to identify specific standards according to Article 17 (Directive 2002/21/EC) and the justifications given within the specific Directives. It should be noted that the interpretations have been taken from the viewpoint of the impact upon standardisation and do not replace any official interpretation issued by either Commission Services or COCOM. It is intended that the interpretations provided with the present document will be updated to reflect clarifications provided by Commission Services and the list of standards updated accordingly.

TSG SA concluded that this work was out of Scope for TSG SA as it requires the interpretation of the European Commission requirements into the specifications. The TSG CN Chairman reported that there were some concerns from their discussions and depending on the TSG SA decision on handling.

It was reported that discussions had been held within ETSI, where it was considered that service roaming and IP services aspects also needed to be considered. For IP services, the mobile telecommunications could refer to the fixed specifications, but additional work may be needed for Emergency Call and RTT requirements.

It was agreed to write a reply explaining that this is out of the scope of 3GPP which was provided in [TD SP-030749](#) which was reviewed and "Standardisation Group" modified to "Specification Group" for correctness of terminology for the 3GPP function and was revised in [TD SP-030758](#) which was **approved**.

6.3 Others

[TD SP-030608](#) LS (from GSMA-WLAN) to TSG SA, SA WG2 on GSM Association requirements for I-WLAN scenario 3. The GSMA recommended to SA WG2 that the architecture decision for I-WLAN scenario 3 are not completely finalised before the requirements coming from GSMA in the first quarter of 2004 are evaluated. It was agreed that SA WG2 should consider this LS and continue the I-WLAN work appropriately, with the understanding that the requirements from the GSMA on Scenario 3 will be provided early in 2004. The LS was then **noted**.

[TD SP-030609](#) LS from GSMA: GSM Association requirements for I-WLAN scenario 3. This was introduced by the TSG SA Chairman and was provided to TSG SA for information. The LS was **noted**.

[TD SP-030566](#) Reply LS (from OMA Requirements WG) to 3GPP on principles for overlapping issues with OMA regarding PoC. With reference to different Questions, the OMA Requirements WG asked:

- On Q1: 3GPP were requested to provide additional information on its work on conferencing service and its applicability to PoC.
- On Q2: 3GPP were requested to analyse its impact to underlining cellular and IP multimedia networks and to develop any necessary enhancements in Release 6 in order to support PoC implementation.
- On Q3: SA WG1 was requested to provide comments on the attached draft PoC RD by 12th of Nov.2003 for consideration in the final RD review within November. (A review of this was due to end on Thursday 18 December and comments were welcomed).

The SA WG2 Chairman reported that a liaison had been copied to TSG SA in [TD SP-030666](#) and suggested that this was used as a basis for a response from TSG SA. It was agreed to do this and a response was provided in [TD SP-030751](#) which was reviewed and revised in [TD SP-030780](#). This was discussed and there was some concern that the input PoC RD had not been referred to. There were comments that the PoC RD did not provide the information required to determine the requirements on the cellular capabilities of the 3GPP system. The LS was revised again in [TD SP-030787](#) and reviewed and **approved**.

[TD SP-030569](#) LS from ITU-T Q.12/4: Removal of proposed amendments (level 3) to Rec. M.3100. This was introduced by TSG SA Chairman. The ITU-T SWP informed TSG SA that no contributions have been received for several meetings and the SWP has decided to remove these items at the next SG4 meeting (starting 26 April 2004) unless contributions are received or interest is expressed in the proposed amendments. Members were asked to consider the need for this work and contribute to ITU-T. The LS was then **noted**. SA WG5 were asked to consider this issue at their next meeting

[TD SP-030570](#) LS from ITU-T Q.12/4: Structured probable cause. This was introduced by TSG SA Chairman. The LS was **noted** and SA WG5 were asked to consider this issue at their next meeting.

[TD SP-030730](#) LS (from OMA-DM) on Automatic Detection. OMA DM WG asked 3GPP for support of Automatic Detection functionality and asked if it was intended for inclusion in any release in the same timeframe as the OMA Release, planned for July 2004. OMA DM WG also asked for a recommendation on which 3GPP working group they should continue the dialogue with. **SA WG1 and SA WG2 were asked to consider this and make any necessary information on their work in this area covering the requirements to OMA.** The LS was then noted by TSG SA.

[TD SP-030748](#) LS from GSMA/IREG on 2G/3G subscriber distinction and roaming restriction. The GSMA/IREG requested 3GPP to define and include in its specifications the following features at its earliest convenience:

- *ability for a visited network (MSC and SGSN), to distinguish 2G and 3G subscribers and to apply roaming restriction depending on this; i.e. be able to prevent access of 2G subscribers with a 3G handset to its 3G coverage, whether the home network uses one or two PLMN codes for his 2G and 3G networks/subscribers. This solution shall also be extensible to other access technologies, e.g. WLAN;*
- *ability for a visited network to reject a registration request on his 3G coverage with the cause #15 depending on the accessed Location Area, the IMSI of the subscriber and his subscription type (2G or 3G).*

These solutions should have minimum impact on previous Releases.

It was clarified that the identification of Location Areas could imply large data on Visited networks being kept in the Home networks. There had been a suggestion in SA WG1 to use a "Location Group" system to reduce this overhead (e.g. "Location area of 2G type", "Location Area of 3G type", etc.). A CR had been provided by SA WG1 in [TD SP-030695](#) for approval, which would implement the requirements for this mechanism. The LS was then **noted** (see also the approval of the CR in [TD SP-030695](#), under agenda item 7.1.3).

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-030684](#) Status report of SA1 to SA #22. This was provided for information as additional information to the presentation given in [TD SP-030683](#) and was noted.

[TD SP-030683](#) Presentation of SA1 to SA #22. This was introduced by the SA WG1 Chairman. Due to a problem with the PDF version of the presentation, it was re-provided in [TD SP-030771](#) for information.

Questions and comments:

Slide 14: WLAN. The SA WG1 Chairman clarified that the WID for WLAN interworking had been modified and a TS may be provided instead of a TR to base CRs to existing TSs on. There was a revised WID for this in [TD SP-030712](#). The Scenario Selection is still an open issue, whereas PLMN Selection issue resolution is proposed in a CR from SA WG1 to this meeting.

Slide 15: MBMS: The SA WG1 Chairman clarified that a LS had been received from SA WG3 to study the security Framework. SA WG1 need to have the issue clarified and this is the only remaining MBMS issue.

Slide 18: Emergency Call handling. The SA WG1 Chairman clarified when a UE makes an Emergency Call, a Domain selection algorithm needs to be defined, which at present is to try CS Domain first, and then the IMS Domain. There are issues with the different scenarios expected in networks, which needs further investigation and discussion in SA WG1.

Slide 9: OMA PoC: The SA WG1 Chairman clarified that SA WG1 felt that as work progresses in other architecture groups, the capabilities of the 3GPP system to fulfil the requirements needs to be re-checked. SA WG1 would like an expected requirements list from OMA in order to check the system capabilities. SA WG1 believed that the service was feasible under current requirement assumptions.

Slide 19: Requirements freeze. The list of items not frozen was questioned. The SA WG1 Chairman responded that the OMA work on PoC had been left unfrozen due to the late availability of the requirements, but the market interest in including PoC in Rel-6. SA WG1 believed that Emergency Call, MMS and MBMS were also required for Rel-6 and need more development. It was commented that the agreements made for this was listed in the approved Report of TSG SA meeting #21.

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

7.1.2 Questions for advice from TSG SA WG1

There were no specific contributions under this agenda item.

7.1.3 Approval of contributions from TSG SA WG1

TSs and TRs:

[TD SP-030708](#): TS 22.246 on MBMS User Services for approval (Rel-6). This TS was [approved](#) and placed under TSG SA change control as version 6.0.0 (Rel-6). A CR to 22.146 was provided in [TD SP-030705](#) to align with this specification.

[TD SP-030709](#): TR 22.952 on Priority Service guide for approval (Rel-6). It was noted that there was a reference to 08.08, which may need to be corrected to 48.008. This should be checked and be the subject of a CR if necessary. This TR was [approved](#) and placed under TSG SA change control as version 6.0.0 (Rel-6).

[TD SP-030729](#) Priority Services. This was provided by Vodafone and proposed to add text to the Scope of the TR to state that the requirements apply to North American networks and further work is needed to make it applicable to other regions. It was commented that the 3GPP approach is to meet the Emergency Services Priority requirements with as little change to the system as necessary and using existing mechanisms, rather than to try to fully align with the Fixed Network solutions. **It was noted that there are problems identified**

in the approved TR 22.952 ([TD SP-030729](#)) and CRs were invited to this TR from Members to resolve the problems of "9 times overload", access class control and interaction with packet services identified in the contribution.

[TD SP-030718](#): TR 22.949 on Study for generalised privacy for information (Rel-6). This TR was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG1.

CRs:

The TSG SA Chairman noted that some items were provided here for Release 6 and TSG SA need to agree whether or not a "placeholder" is opened in order to keep any valuable requirements for the future on any which were not feasible for inclusion in Rel-6. This placeholder would naturally be to include those proposed requirements that were agreed as desirable into **Release 7**. It was [agreed](#) to go through the CRs and decide on this on a case-by-case basis.

[TD SP-030685](#): CRs to 22.038 on alignment with the specifications TS 11.14 and TS 31.111 (R99, Rel-4, Rel-5, Rel-6). These CRs were [approved](#).

[TD SP-030686](#): CRs to 22.115 on CS interconnection - requirements for the identification of user data rate and user protocol at the interconnection point (R99, Rel-4, Rel-5). It was noted that the cover table showed the Rel-99 CR 22.115 CR017 as Category "B" whereas it was a Category "F" as shown on the CR cover sheet. It was [noted](#) that the term "User Protocol" needed definition or clarification in the Vocabulary document. These CRs were [approved](#).

[TD SP-030701](#): CR to 22.115 on CS interconnection (Rel-6). This CR was [approved](#).

[TD SP-030687](#): CR to 22.101 on Clarification of emergency call requirements (Rel-6). The need for the UE to do an "attach" or "register" to the domain was questioned, as this is not defined in the CR. The SA WG1 Chairman responded that this was not considered a SA WG1 issue, but to be decided in other groups. It was acknowledged that this may need to be re-addressed in SA WG1 when the protocols are defined. This CR was [approved](#).

[TD SP-030689](#): CRs to 22.138 and 22.140 on MMS targeting UE elements and UICC interaction with MMS clients (Rel-6). It was clarified that the MMS management separation was intended to allow additional safeguards against accidental manipulation by the user (e.g. a verification of the intended action could be made). It was [noted](#) that Java could be one of the applications implemented. It was necessary to revise 22.038 CR016 which was provided in [TD SP-030772](#) (see below). A LS from TSG T in [TD SP-030745](#), related to this, was then considered.

[TD SP-030745](#) LS (from TSG T) to SA, SA WG1, SA WG2, SA WG5, T WG2, T WG3 and EP SCP on MMS as a Bearer for USAT. This was introduced by Motorola. TSG T endorsed the concept of non-chargeable delivery of data to and from the USAT where appropriate and asked TSG SA to take account of this position. TSG SA [noted](#) with the position of TSG T.

For 22.140 CR040, further elaboration was also considered necessary and a revised version was included in [TD SP-030783](#) (see below). 22.140 CR039 was [approved](#).

[TD SP-030772](#) 22.038 CR016R1: This CR was [approved](#).

[TD SP-030783](#) 22.140 CR040R2: This CR was [approved](#). It was [noted](#) that the revision number was missing from this CR cover sheet, and should read Rev 2.

[TD SP-030688](#): CRs to 22.038 on Enabling Cell Broadcast Bearer for USAT application while connected to UTRAN networks (Rel-5, Rel-6). These CRs were [approved](#).

[TD SP-030690](#): CRs to 22.071 on Removal of misleading and obsolete text (Rel-5, Rel-6). It was noted that the Rel-6 CR was Category "A". These CRs were [approved](#).

[TD SP-030691](#): CR to 22.071 on Removal of change of area event (Rel-5). This CR was [approved](#).

[TD SP-030692](#): CRs to 22.078 on CLIR/CLIP interaction with CSE initiated calls (Rel-5, Rel-6). It was [noted](#) that any information provided for a CR should be included in the CR cover sheet and not as a comment

added in the unchanged text of the CR itself, for clarity of the actual changes made. These CRs were **approved**.

TD SP-030693: CRs to 22.078 on Allowing CSE to suppress terminating CAMEL handling on new leg in existing call (Rel-5, Rel-6). These CRs were **approved**.

TD SP-030694: CRs to 21.905 on various subjects (Rel-6). These CRs were **approved**.

TD SP-030695: CR to 22.011 on Administrative restriction of subscribers' access (Rel-6). It was noted that if the roamed-to network does not have the separation of GERAN and UTRAN Location updating then this could not be handled. This would be a subject to be included in roaming agreements between networks (i.e. there may be cases where the serving network does not separate the GERAN and UTRAN location updates in which case this administrative restriction would not be possible). Clarification of this was requested and a revision of the CR was provided in **TD SP-030774** which was **approved**.

TD SP-030696: CRs to 22.038 on Interaction between ME and USAT applications and MMS as an additional data exchange capability for USAT (Rel-6). There was some discussion on clarification of the impact of this requirement and the need for this requirement for Rel-6 was questioned. There was some concern over the inclusion of this in Rel-6 due to the additional work needed for the Stage 2 and Stage 3 work. There was also some support for including this in Rel-6 and then ask for contribution on the Stage 2 and Stage 3 work to complete the work quickly. It was agreed that this would be accepted as a Release 7 CR for the moment and contribution was requested from interested members in the Stage 2 and Stage 3 work. The progress of the work would determine whether or not this could be moved into Rel-6. This CR was **approved as a Rel-7 CR**.

TD SP-030697: CRs to 22.071 on Various subjects (Rel-6). 22.071 CR060 was discussed. It was a Category "B" CR to Rel-6 on LCS, which is marked as complete in the Work Plan and would entail re-opening the WI in SA WG2. After some discussion on the justification for this in Rel-6 it was decided to **reject** the CR at this time and SA WG1 were asked to further develop this with Stage 2 and Stage 3 groups to determine the impacts and timescales for this new Feature. **It was clarified that new CR(s) on this would be received by TSG SA providing all the SA WG2 issues are provided at the same time, including any necessary CR(s) to Stage 2 TSs and TRs.** New CRs may be provided to TSG SA on this in the future. The need and feasibility of this in Rel-6 and previous Releases to fulfil any regulatory requirements should also be made. 22.071 CR063 and 22.071 CR064 were **approved**. Earlier Release CRs for 22.071 CR064 need investigation by CN WG4 and SA WG2 to determine the feasibility of inclusion in each Release. These CRs should be presented to the next TSG SA meeting for approval after the investigation is concluded.

TD SP-030698: CRs to 22.078 on Various subjects (Rel-6). It was noted that the Discussion text should not be added as part of the CR for clarity of the actual Changes proposed. These CRs were **approved**.

TD SP-030699: CR to 22.094 on Notification of forced erasure to initiating subscriber A (Rel-6). This CR was **approved**.

TD SP-030700: CRs to 22.101 on Automatic Device Detection and Correction of Core Network emergency call requirements (Rel-6). These CRs were **approved**.

TD SP-030702: CR to 22.127 on Removal of Visited Network capabilities (Rel-6). This CR was **approved**.

TD SP-030703: CR to 22.127 to Introduce High Availability requirement for OSA (Rel-6). The term "Geographical Redundancy" was questioned as it may not be appropriate for a SA WG1 specification. It was commented that this should be dealt with in CN WGs and is not appropriate for Rel-6. It was also commented that this is not really a matter for standardisation, but was an implementation issue. It was also commented that there is already a solution to this in Rel-6 and it was questioned whether another solution to the problem was required in the Rel-6 time-frame. It was agreed to discuss this off-line and return to the CR later in the meeting. The off-line discussion did not provide an agreed conclusion. No consensus could be reached in the meeting for either support or rejection of this CR so it was decided to send the issue to CN WG5 to determine the need for this functionality, or whether the functionality is already included in the specifications and feed back to TSG SA, copied to SA WG1 (via LS) to help towards a decision on this. The CR was therefore **postponed**.

TD SP-030704: CR to 22.129 on Service based handover/assignment (Rel-6). The consequences if not approved was clarified to mean that there would be no mechanism in the Stage 1 and the impact on Stage 2 and Stage 3 work would need to be investigated. Ericsson reported that they believed the functionality

already exists in the Stage 3 and could be accepted for Rel-6 without any impact on the protocols. This CR was **approved**.

TD SP-030706: CR to 22.228 on Multi terminal requirement (Rel-6). There was some confusion on the implications of this requirement, as each UE will have a USIM and can route traffic based on the USIM identity (e.g. IMSI). It was clarified that this was intended for multiple UEs with the same Public Identity. It was reported that there was an SA WG2 CR on this subject and work is ongoing in CN WGs. This CR was **approved**.

TD SP-030707: CRs to 22.240 on various subjects (Rel-6). These CRs were **approved**.

TD SP-030705: CR to 22.146 on Alignment of MBMS use cases and bit rates (Rel-6). This CR was **approved**.

The Following four CRs were provided and presented by Nokia:

TD SP-030720 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-99).

TD SP-030721 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-4).

TD SP-030722 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-5).

TD SP-030723 Proposed CR on to 22.101: Removal of unnecessary numbers from the ME default emergency number list (Rel-6).

There were some concerns about removing some common emergency numbers from the emergency number list (e.g. 999 is commonly used in the UK). The main problem that was intended to overcome was where an emergency number in one area may be a different service number in another and therefore the number of false/accidental emergency calls could be reduced.

There was an off-line discussion on the Emergency number issue and Nokia requested re-consideration of these CRs. The UK Operators had investigated and found that these changes should not provide and regulatory problems. If any issues are found then this may need to be reviewed in the future. In particular, the delegate for the DTI, stated that if problems did arise in the future the UK regulator might insist that all SIMs/USIMs in the UK contain "999" as a stored emergency number. This could require replacement of any existing SIM/USIM that did not comply with this requirement. The SA WG1 Chairman clarified that these CRs had not been discussed in SA WG1, but they were in line with Emergency number discussions held and agreements made in SA WG1. With these clarifications, the CRs were allocated CR numbers and re-provided in **TD SP-030790** which was **approved**.

The Following four CRs were provided and presented by Orange:

TD SP-030738 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-99)

TD SP-030739 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-4)

TD SP-030740 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-5)

TD SP-030741 Proposed CR to 22.101: Service change from UDI bearer service to voice (coverage triggered) (Rel-6)

It was considered that this issue needed careful investigation and discussion and Orange were asked to take this to SA WG1 in order to develop a complete and correct set of CRs for fallback to the telephony service.

TD SP-030777 Draft WID on Video and Voice Service. This was provided by Vodafone. O2 stated that this work should be done in SA WG1 rather than SA WG2 in order to establish the requirements before

proceeding with the Stage 2 architectural work. The WID was proposed for Rel-6 and timescales were very short for completion in time for this and parallel work in SA WG2 and SA WG1 was therefore suggested. It was agreed to provide a new WID with SA WG1 as prime responsibility in [TD SP-030781](#). The WI leadership was incorrect and should have been SA WG1, rather than SA WG2. Other editorial changes were made and the WID was updated in [TD S3-030788](#) and was **approved**.

WIDs:

[TD SP-030710](#): Update of Rel 6 OSA WID. This WI description was **approved**.

[TD SP-030711](#): Update of GUP WID. This WI description was **approved**.

[TD SP-030712](#): Update of WLAN WID. It was proposed that this should be split into Release 6 and future Release Features. There was some support for this, but as it was a Release Independent Item, it was agreed to accept the WID as it is and consider a split in the future when Rel-6 is complete. This WI description was then **approved**.

Other inputs:

[TD SP-030766](#) LS (from 3GPP2 TSG-C) to SA WG1: Preferred Roaming List for Multi-mode Terminal.

Interim position discussion: In principle, a full package of CRs to frozen releases should be available before introducing any changes into the specifications and agreed changes should be approved and implemented together.

7.2 TSG SA WG2

7.2.1 Report from TSG SA WG2 and review of progress

[TD SP-030731](#) SA WG2 Report at TSG SA #22. This was introduced by the SA WG2 Chairman.

Questions and comments:

Slide 20: It was clarified that the IMS Commonality was intended to help ensure that 3GPP and 3GPP2 systems can re-use each others specification work.

Slide 16: The intention of sending of the network identity was triggered by the GSMA because they wished the ability for MMS Charging to be dependent on the location of the Visited Network. Therefore the VGSN identity would be needed. There were concerns over the Location Privacy when specifying this. The SA WG2 Chairman clarified that this information had already been coded in CN specifications and did not open any new Privacy issues.

Slide 18: Push Services Stage 2 discussions. The SA WG2 Chairman reported that the changes to Stage 2 that are necessary would depend on the conclusions drawn from the discussions. It was hoped that this would not require significant work for the Stage 3.

Slide 22: WLAN. It was Clarified that the SA WG2 "requirements" were on architectural implementation using the existing architecture, rather than providing new architectural requirements or service requirements.

The SA WG2 Chairman was thanked for his report, which was then **noted**.

7.2.2 Questions for advice from TSG SA WG2

[TD SP-030668](#): LS from SA WG2: Further development of TR 23.825, IP Flow Based Charging. This was introduced by SA WG2 Chairman. SA WG2 asked TSG SA to endorse the recommendation from SA WG2 to allocate a TS to capture the overall high level functionality and architecture impacts of Flow Based Charging and to allocate the task under SA WG2 responsibility. SA WG2 would then update the corresponding WID accordingly. It was reported that SA WG5 were also addressed on this LS, but SA WG5 had not yet discussed it. The SA WG5 Chairman stated that if the Scope of the TS was limited to the capture the overall high level functionality and architecture impacts of Flow Based Charging, then there would probably be no objection to this from the SA WG5 viewpoint. **TSG SA agreed to allocate a TS to this work**

and SA WG2 were asked to update the WID appropriately and to keep SA WG5 informed of their work.

[TD SP-030567](#) Reply LS (from SA WG2) to Response on "Work following the joint SA2/RAN2/CN1 meeting on paging". This was provided to TSG SA for information and was [noted](#).

[TD SP-030763](#) Early UE handling. This was introduced by Vodafone and requested that SA:

- a) Considers the merit of sending UESBI-Iu on the A interface, and to reach a conclusion on the issue.
- b) Identifies the relevant TSGs that should be involved in detailed technical study of the implications, and give them sufficient guidance in order to enable robust changes to the specifications impacted by it.

It was [agreed](#) that TSG GERAN should be asked to check that early UE 2G to 3G handover can be done gracefully using, e.g. the UESBI-Iu. The TSG GERAN Chairman agreed to take this request to TSG GERAN.

[TD SP-030665](#): LS (from SA WG2) on updates of the Work Plan. It was noted that this had been discussed in other TSGs and had been included in the Work Plan to be considered at this meeting. The LS was then [noted](#).

[TD SP-030667](#) LS from SA WG2: Pending Decision on A Interface Functionality for Early UE handling. This was covered by other discussions and was [noted](#).

7.2.3 Approval of contributions from TSG SA WG2

TSs and TRs:

[TD SP-030663](#): TR 23.877 v.1.0.0: Speech Enabled Services. This TR was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG2.

[TD SP-030713](#): TR 23.977 v1.0.0: Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS). This TR was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG2.

[TD SP-030664](#): LS (from SA WG2) to TSG SA on further proceeding on approval of TS 23.234 on 3GPP-WLAN Interworking. This was introduced by the SA WG2 Chairman. TSG SA had asked SA WG2 to review the tunnelling issues for TS 23.234 and provide an updated draft for approval at this meeting. SA WG2 received a LS from the GSMA WLAN TF informing SA WG2 that they intend to provide requirements for 3GPP-WLAN Interworking for scenario 3 on operational aspects of mobile operators. The GSMA WLAN TF asked SA WG2 to consider these requirements before the final decision on the architecture for scenario 3 is taken.

At the SA WG2 meeting #36, the majority of the companies felt that TS 23.234 is now ready for approval, but some companies felt that the input announced by GSMA WLAN TF should be looked at before asking for final approval of the TS. SA WG2 asked TSG SA to consider this and to make a decision on the approval of the TS at this time, or to wait until the requirements from GSMA WLAN TF are available.

The current draft TS 23.234 was also provided as an attachment and the TS presentation document was introduced by the SA WG2 Chairman, which provided the status of the current draft and background information on the study undertaken by SA WG2 as requested by TSG SA.

It was [noted](#) that section 7 (Procedures) contained an editors' note for a number of procedures that were still for further study by SA WG2. The SA WG2 Chairman reported that the open issues on services supported over WLAN may require substantial work, depending on the service, other open issues were only finalisation of the work and did not entail a large number of changes.

It was commented that although the GSMA have said they will provide input to SA WG2, the work should not be held up awaiting this. It was not considered that potential new requirements coming from GSMA would by itself be a reason to delay the approval of the WLAN TS.

It was recognised that changes made due to new requirements for scenario 3 may impact work already done by other groups using the current content of the TS.

After some discussion, TSG SA considered that the draft TS was not yet stable enough to be placed under change control.

SA WG2 were asked to consider any input from GSMA and work on the open issues in order to provide the draft for approval at TSG SA meeting #23.

CRs:

TD SP-030652: CR On 23.002 (Network Architecture). This CR was **approved**.

TD SP-030653: CRs On 23.060 (GPRS/PS domain stage 2). These CRs were **approved** (note that 23.060 CR468 and CR 474 should be recorded as Category "A" CRs).

TD SP-030654: CRs On 23.107 (QoS). These CRs were **approved**. The SA WG2 Chairman asked whether the Rel-6 CR could be delayed for implementation until the Rel-6 TS is created, however, it was agreed that the Rel-6 CR would be implemented immediately, creating the Rel-6 version of the TS in order to allow further CRs to be made to the affected sections if necessary.

TD SP-030655: CR On 23.195 (Early UE handling). This CR was **approved**.

TD SP-030656: CRs On 23.207 (End to end QoS). These CRs were **approved**.

TD SP-030658: CRs On 23.228 (IMS Stage 2). It was commented that a reference to 24.229 should be included in CRs 367 and 362 CR 367 was revised to include the impacted specification, and CR 362 was revised to remove the words "or Home database". These revised CRs were provided in **TD SP-030778** (see below). The remaining CRs in this package were **approved**.

TD SP-030778 Revised CRs 362, 367 to 23.228 (from **TD SP-030658**). These revised CRs were **approved**.

TD SP-030659: CRs On 23.240 (GUP stage 2). It was commented that CR 371R2 is in contradiction with the CR 066 in **TD SP-030656** where the CR has the capability to support other mechanisms was informative ("may"). It was clarified that this CR provides the mandatory mechanism, and therefore the "shall" was correct. These CRs were **approved**.

TD SP-030660: CRs On 23.246 (MBMS stage 2). These CRs were **approved**.

TD SP-030757: CRs On 23.271 (LCS stage 2). The SA WG2 Chairman explained that the combined CRs were created from a combination of agreed SA WG2 CRs which had been found to have overlapping changes which may have resulted in ambiguous implementations. The CRs were reviewed and combined to provide a clear set of changes for approval. CR186 was in contradiction with RAN specifications and considered to need further review by SA WG2 and was not approved at this time. SA WG2 were asked to review this CR and revise it if necessary. The remaining CRs, without the CRs for information, were re-provided in **TD SP-030779**, which were **approved**.

TD SP-030669: LS (from SA WG2) on Serving network identity from SGSN to GGSN. This was introduced by SA WG2 Chairman. SA WG2 could not agree on the merits of providing change earlier than Release 5. The pre-Rel-5 CRs were therefore provided to the TSG SA as attachments to this LS so that TSG SA can decide whether to include the changes for these earlier versions of 23.060 and 03.60. It was clarified that the functionality already exists to implement this and the request would be to mandate this in Stage 2 so that all networks behave in the same way. No agreement could be reached to approve the attached CRs and they were **rejected**.

WIDs:

TD SP-030662: Updated WID on "Bandwidth and Resource savings and Speech enhancements for CS networks". This WI description was **approved**.

7.3 TSG SA WG3

7.3.1 Report from TSG SA WG3 and review of progress

[TD SP-030580](#) Status Report of SA WG3 activities. This was introduced by the SA WG3 Vice Chairman, Mr. P. Howard.

[TD SP-030581](#) Reports of SA WG3 meetings since TSG SA #21. This was provided for information and was noted.

Questions and comments:

Slide 20, 21: GAA. It was clarified that the use of the term "building blocks" in the slides was figurative for the GAA work, rather than BBs in the 3GPP Work Plan. SA WG3 were asked to verify the Work Plan structure for this work at their next SA WG3 meeting.

Slide 30: FS on USIM re-use. It was clarified that the second bullet intended to read "The TR", rather than "The TS".

Slide 24: GAA/HTTPS. It was clarified that the SA WG3 were working on the investigation of which TLS variant to use, while following industry standards for securing HTTP, under the working assumption that HTTP will be used.

Slide 30: FS on USIM re-use. It was questioned whether any Rel-6 specifications were intended to result from this FS. It was reported that this would depend on the stability of the other Rel-6 specifications and agreements reached for inclusion of the work in Rel-6, depending on the final Rel-6 timescales decided upon by 3GPP.

Slide 27: MBMS Security. It was clarified that the use of the UICC-based solution had been discussed in SA WG3 and a UICC-based solution could offer a higher security and low impact on network resources, some companies thought that there was some risk in meeting the Rel-6 timescale if it was restricted to a UICC-only based solution. This position may be reviewed if the assumption of completing the MBMS specification work for March 2004 was found to be unnecessary and a later completion date was agreed upon in 3GPP. Several operators expressed a preference for the UICC-based only solution. The TSG SA Chairman asked whether any operators would reject the UICC-only proposal on the grounds that a next-generation UICC is required and T-Mobile indicated that they **would** object. It was commented that the Options for implementation should be kept to a minimum for ease of implementation and interoperability. It was discussed and generally agreed that SA WG3 were the correct place for a discussion on an acceptable security solution and companies were asked to contribute to SA WG3 on this in order to include an agreed solution in the finalised TS on MBMS Security. **Members were asked to contribute to SA WG3 on this and TSG SA requested that SA WG3 also consider their request that the final solution should not include any options.**

Slide 6: Next SA WG3 meetings: The TSG SA Chairman noted that there were 2 meetings planned in October and November 2004 (between two TSG SA Plenaries). It was assumed that generally it is the second on the meeting pair that MCC Support would be expected / guaranteed.

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

7.3.2 Questions for advice from TSG SA WG3

There were no specific contributions under this agenda item.

7.3.3 Approval of contributions from TSG SA WG3

TSs and TRs:

[TD SP-030582](#) Draft TR 33.919 version 1.0.0: Generic Authentication Architecture (GAA); System Description (Rel-6). This TR was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

[TD SP-030583](#) Draft TS 33.220 version 1.0.0: Generic Authentication Architecture (GAA); Generic Bootstrapping Architecture (Rel-6). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

[TD SP-030584](#) Draft TS 33.221 version 1.0.0: Generic Authentication Architecture (GAA); Support for Subscriber Certificates (Rel-6). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

[TD SP-030585](#) Draft TS 33.234 version 1.0.0: Wireless Local Area Network (WLAN) Interworking Security (Rel-6). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

[TD SP-030586](#) Draft TS 33.246 version 1.0.0: Security of Multimedia Broadcast/Multicast Service (Rel-6). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3. It was also noted that the conclusion of the earlier discussion on Key storage was to ask SA WG3 to provide a solution without options for MBMS Key storage.

[TD SP-030587](#) Draft TS 33.310 version 1.0.0: Network Domain Security; Authentication Framework (Rel-6). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

[TD SP-030588](#) Draft TR 33.817 version 1.0.0: Feasibility Study on (U)SIM Security Reuse by Peripheral Devices on Local Interfaces (Rel-6). This TR was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

[TD SP-030719](#) Draft TS 33.141 version 1.0.0: Presence Service; Security (Rel-6). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG3.

CRs:

[TD SP-030589](#) CR to 33.106: Correction to lawful interception references (Rel-6). This CR was [approved](#).

[TD SP-030590](#) CR to 33.107 MSISDN/IMEI clarification for GPRS interception (Rel-6). This CR was [approved](#).

[TD SP-030591](#) CRs to 33.107 and 33.108: Reporting TEL URL (Rel-6). These CRs were [approved](#).

[TD SP-030592](#) CRs to 33.108: Correction to Annex G on TCP based transport (Rel-5 / Rel-6). These CRs were [approved](#).

[TD SP-030593](#) CR to 33.108: LI Reporting of Dialed Digits (Rel-6). Clarification on the meaning of "Digits entered by the interception subject" was requested, as this could be entered by an autodial feature. It was clarified that this was intended to report all digits transmitted by the intercept subject. This CR was [approved](#). SA WG3 LI Group were asked to consider clarification to the meaning of "Dialed Digits" in this context.

[TD SP-030594](#) CRs to 33.108: CS Section for 33.108 – LI Management Operation and User data packet transfer (Rel-6). These CRs were [approved](#).

[TD SP-030595](#) CR to 33.108 Alignment of Lawful Interception identifiers length to ETSI TS 101 671 (Rel-6). This CR was [approved](#).

[TD SP-030596](#) CRs to 33.203: Correcting the text on sending an authentication response (Rel-5 / Rel-6). These CRs were [approved](#).

[TD SP-030597](#) CRs to 33.203: SA procedures (Rel-5 / Rel-6). These CRs were [approved](#).

[TD SP-030598](#) CRs to 33.203: SA parameters and management (Rel-5 / Rel-6). These CRs were [approved](#).

[TD SP-030599](#) CRs to 33.203: Reject or discard of messages (Rel-5 / Rel-6). These CRs were [approved](#).

[TD SP-030600](#) CRs to 33.203: Correcting the SA handling procedures (Rel-5 / Rel-6). These CRs were [approved](#).

[TD SP-030601](#) CR to 33.203: Terminology alignment (Rel-6). This CR was **approved**.

[TD SP-030602](#) CR to 33.203: Introducing the SIP Privacy mechanism in Stage 2 specifications (Rel-5). It was noted that there is no mirror CR for Rel-6 as some enhancement to this mechanism is expected for Rel-6. It was also noted that this was an alignment with the Rel-5 Stage 3 and no impact was expected on the Stage 3 specifications. This CR was updated editorially in [TD SP-030764](#) which was **approved**.

[TD SP-030603](#) CR to 33.203: Removing anti-replay requirement from Confidentiality clause (Rel-6). This CR was **approved**.

[TD SP-030604](#) CRs to 33.203: Ensuring the correct RAND is used in synchronization failures (Rel-5 / Rel-6). These CRs were **approved**.

[TD SP-030605](#) CRs to 33.203: Network behaviour when a new REGISTER is challenged during an on going authentication (Rel-5 / Rel-6). These CRs were **approved**.

[TD SP-030606](#) CR to 55.205: Correction of reference (Rel-6). This CR was **approved**.

7.4 TSG SA WG4

7.4.1 Report from TSG SA WG4 and review of progress

[TD SP-030671](#) SA WG4 Status Report at TSG SA#22. This was introduced by the SA WG4 Chairman using the presentation slides provided in the Annex to the report.

Questions and comments:

Slide 14: PSS/MMS Video Codecs. A concern from **3** was expressed on the MPEG-4 AVC candidate (H.264) as MPEG do not comply with 3GPP IPR rules. **3** proposed that the status of such a selection for a Video Codec should be seriously considered by 3GPP. In summary, **3** requested the ability to choose from a list of Codecs for an application and not be mandated to use only the H.264 Codec. The TSG SA Chairman clarified that this was intended for the selection of the "Default" Video Codec and did not exclude the use of other Video Codecs (**SA WG4 were tasked to investigate whether signalling capabilities would be needed to allow the setting-up of connections with other Codecs than the chosen "Default" Video Codec**).

Slide 16: PSS/MMS Audio Codecs. O2 asked whether it would be better to use the same Codecs for different applications to reduce implementation costs. The SA WG4 Chairman replied that it was a goal to have as few Codecs as possible, and this would be considered during the selection discussions, but the performance was also a consideration for selection. It was clarified that both high and lower bit-rate Codecs would have a range of operation, to take into account the type of service they are to be applied to (multi-rate Codecs).

Slide 26: Optimisation of Voice over IMS. It was asked if this was also applicable to PoC. The SA WG1 Chairman responded that this was still under discussion.

It was also suggested that RAN WGs are provided with information on the characterisation and radio interface assumptions for the Voice over IMS work. It was clarified that SA WG4 had only recently started this work and information would be provided when developed. TSG SA **noted** that RAN WGs are working on Optimisation of Voice on IMS and that SA WG4 should provide information when it is available.

It was reported that SA WG4 meeting #29 had considered favorably a request from France Telecom R&D to use 3GPP subjective scores from earlier AMR testing. These will be used to improve the ITU-T Recommendation G.107 (E-Model). **This initiative was welcomed by TSG SA Plenary.**

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

7.4.2 Questions for advice from TSG SA WG4

There were no specific contributions under this agenda item.

7.4.3 Approval of contributions from TSG SA WG4

TSs and TRs:

[TD SP-030672](#) 3GPP TS 26.244: "Transparent end-to-end packet switched streaming service (PSS); 3GPP file format (3GP)", Version 1.0.0 (Release 6). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG4.

[TD SP-030673](#) 3GPP TS 26.246: "Transparent end-to-end packet switched streaming service (PSS);3GPP SMIL Language Profile", Version 1.0.0 (Release 6). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG4.

CRs:

[TD SP-030681](#) 26.104 CR029 rev 1: "Correction on the implementation of the interface of decoder.c (Rel-5)". This CR was **approved**.

[TD SP-030682](#) 26.104 CR030 rev 1: "Correction on the default behaviour of the unix makefile (Rel-6)". This CR was **approved**.

WIDs:

[TD SP-030674](#) Updated Work Item Description on Definition of MBMS user services, media Codecs, formats and transport/application protocols using Multimedia Broadcast/Multicast Service (MBMS) (Rel-6). This updated WI description was **approved**. The SA WG4 Chairman reported that input was expected at their February 2004 meeting in order to approve the final work in the March 2004 TSG SA meeting. This was considered a challenging timescale by SA WG4.

Other documents:

[TD SP-030675](#) PSS/MMS Audio Codec and Extended AMR-WB, Selection Rules Version 2.0. These selection rules were **approved**. The SA WG4 Chairman clarified that part of the selection criteria discussions would take into account the advantages of re-use of Codecs.

[TD SP-030676](#) 3G PS conversation tests (AMR NB and AMR WB): Report from FT R&D for Host Lab and Subjective Testing Lab functions. The SA WG4 Chairman reported that SA WG4 had scrutinised these results and approved them. These conversion test results were **approved**.

[TD SP-030677](#) 3G PS conversation tests (AMR NB and AMR WB): Report from NTT-AT for Subjective Testing Lab function. The SA WG4 Chairman reported that SA WG4 had scrutinised these results and approved them. These conversion test results were **approved**.

[TD SP-030678](#) 3G PS conversation tests (AMR NB and AMR WB): Report from ARCON for Subjective Testing Lab function. The SA WG4 Chairman reported that SA WG4 had scrutinised these results and approved them. These conversion test results were **approved**.

NOTE: The SA WG4 Chairman clarified that the above three sets of conversion test results would be used to complete the TR on testing results for use in the evaluation. The TR was expected to be completed for approval by TSG SA by June 2004. It was uncertain whether the Phase 1 results could be provided in time for the March 2004 TSG SA meeting, but it may be possible to send some preliminary results to other WGs after the SA WG4 February 2004 meeting.

[TD SP-030679](#) Test plan for 3G packet switched conversation tests - Phase 2: Comparison of quality offered by different speech coders. The SA WG4 Chairman reported that SA WG4 had approved this test plan and it was then **approved** by TSG SA.

[TD SP-030680](#) Test plan for 3G packet switched conversation tests: Global Analysis of Phase 1 & Phase 2 Conversation Test results. The SA WG4 Chairman reported that SA WG4 had approved this test plan and it was then **approved** by TSG SA.

7.5 TSG SA WG5

7.5.1 Report from TSG SA WG5 and review of progress

[TD SP-030610](#) Status report of SA5 to SA #21. This was introduced by the SA WG5 Chairman.

Questions and comments:

Slide 17: 3GPP/IETF Co-ordination Issues. The TSG CN Chairman reported that the coordination with the IETF needs to be actively managed by the WGs and not to rely upon the dependencies list that he produces, as it is difficult to keep up-to-date with all the related activities in the IETF on an ongoing basis.

Slide 9: ITU-T SG4. With reference to Disaster Relief work, the SA WG5 Chairman reported that the ITU-T SG4 Chairman was a regular SA WG5 member and the document had been contributed by him and studied by SA WG5, who were aware of the work and considering the impacts.

Slide 17: The SA WG5 Chairman clarified that the IETF work on DIAMETER for credit control needs to be analysed for suitability by SA WG5 and then a decision on the specification and mechanisms to be adopted will be made by SA WG5. It was estimated that this should be finalised in the IETF by June 2004 and SA WG5 would be able to complete some time after this date.

Slide 11: Target date for subscription management. It was reported that although target is June 2004, which may be dependent on GUP stage 3, The T WG2-SWG2 Chairman reported that GUP stage 3 is expected to be ready in March 2004. For device management, the OMA had started some activity and SA WG5 may do some work on this if necessary in the future.

The SA WG5 Chairman was thanked for his report, which was then [noted](#).

7.5.2 Questions for advice from TSG SA WG5

Three LSs were provided to TSG SA for information, which were considered together:

[TD SP-030563](#) LS Reply (from SA WG5) on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5.

[TD SP-030572](#) Reply LS (from RAN WG3) on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5.

[TD SP-030573](#) LS (from SA WG5) on Reply LS on RAN Work Item "Control of Remote Electrical Tilting Antenna" and possible impact on SA WG5.

The SA WG5 Chairman reported that the main item under discussion is whether a new NE is required or whether an existing NE could be used (e.g. Node B). The impact on the work of SA WG5 and other WGs would depend upon whether a new NE is required. TSG SA noted that discussion was ongoing in SA WG5 and the three LSs were then [noted](#).

7.5.3 Approval of contributions from TSG SA WG5

TSs and TRs:

[TD SP-030613](#): New Rel-6 TS 32.150 (Integration Reference Point (IRP) Concept and Definitions). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG5.

[TD SP-030614](#): New Rel-6 TS 32.151 (IRP Information Service Template). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG5.

[TD SP-030615](#): New Rel-6 TS 32.152 (IRP IS UML Repertoire). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG5.

[TD SP-030616](#): New Rel-6 TS 32.171 (SM NRM IRP: Requirements). This TS was provided for information and was [noted](#). Members were asked to study this draft and provide comments to SA WG5.

TD SP-030617: New Rel-6 TS 32.172 (SM NRM IRP: Information Service). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030623: New Rel-6 TS 32.240 (Charging architecture and principles). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030624: New Rel-6 TS 32.250 (Circuit Switched domain charging). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030632: New Rel-6 TS 32.351 (Communication Surveillance IRP: Requirements). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030633: New Rel-6 TS 32.352 (Communication Surveillance IRP: Information Service). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030634: New Rel-6 TS 32.361 (Entry Point IRP: Requirements). This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030635: New Rel-6 TS 32.362 (Entry Point IRP: Information Service). This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030636: New Rel-6 TS 32.363 (Entry Point IRP: CORBA Solution Set). This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

TD SP-030637: New Rel-6 TS 32.342 (File Transfer IRP: Information Service). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030638: New Rel-6 TS 32.331 (Notification Log IRP: Requirements). This TS was provided for information and was **noted**. Members were asked to study this draft and provide comments to SA WG5.

TD SP-030650: New Rel-6 TS 32.412 (Performance Management IRP: Information Service). This TS was **approved** and placed under TSG SA change control as version 6.0.0 (Rel-6).

CRs:

TD SP-030756: 2 Rel-5/6 CR 32.102 (Telecommunication management; Architecture): Removal / Replacement of the term UMTS. These CRs were **approved**.

TD SP-030612: Rel-6 CR 32.421 (Trace concepts and requirements): Correction of IMS subscriber id for Trace. This CR was **approved**.

TD SP-030618: 3 Rel-99/4/5 CR 32.015/32.215 (Charging data description for the PS domain): Correction of Data Record Format Version. These CRs were **approved**.

TD SP-030765: 2 Rel-4/5 CR 32.205 (Charging data description for the CS domain): Correction on inter-network accounting. These CRs were **approved**.

TD SP-030726 Proposed CR to 32.005: Add inter-network accounting in the GMSC (only if CN#22 approved CN3 CR 29.007) (Rel-99). This was provided by T-Mobile in order to align the changes agreed in **TD SP-030765** above for Rel-99. This CR was **approved**.

TD SP-030620: 2 Rel-5 CR 32.205/32.215 (Charging data description for the CS/PS domains): Correction to Level of CAMEL Service. These CRs were **approved**.

TD SP-030621: .Rel-5 CR 32.215 (Charging data description for the Packet Switched (PS) domain): Correction on QoS Information (only if CN#22 approved CN4 CR 24.008) It was **noted** that this CR was dependent upon a CR to 29.060, not to 24.008 as indicated on the presentation cover sheet. The TSG CN Chairman confirmed that the corresponding CR to 29.060 had been approved. This CR was **approved**.

- TD SP-030622:** 3 Rel-5 CR 32.225 (Charging data description for IMS): Various Corrections. These CRs were **approved**.
- TD SP-030625:** Rel-99 CR 32.106-6 (Basic Configuration Management IRP: CORBA Solution Set): Correction to remove characters causing IDL Compilation error. This CR was **approved**.
- TD SP-030626:** Rel-5 CR 32.111-3 (Fault Management; Alarm IRP: CORBA Solution Set): Missing IDL definitions to support Security Alarms. This CR was **approved**.
- TD SP-030627:** 2 Rel-5 CR 32.111-4 (Fault Management; Alarm IRP: CMIP Solution Set): Additions of notification notifyAlarmAlignmentEnd / missing parts for the support of security alarms. These CRs were **approved**.
- TD SP-030628:** 2 Rel-6 CR 32.111-2/3 (Fault Management; Alarm IRP: Information Service / CORBA Solution Set): Remove references to GSM 12.11. These CRs were **approved**.
- TD SP-030629:** 3 Rel-6 CR 32.111-2/3/4 (Fault Management; Alarm IRP: Information Service / CORBA/CMIP Solution Sets): RemoveAlignment of the operation getAlarmList with the notification notifyAlarmListRebuilt. These CRs were **approved**.
- TD SP-030630:** 6 Rel-4/5/6 CR 32.602/612/662 (Basic/Bulk/Kernel Configuration Management IRP: Information service): Correction of System Context. These CRs were **approved**.
- TD SP-030631:** Rel-6 CR 32.111-1 (Fault Management: Requirements): Retrieval of alarm history information. This CR was **approved**.
- TD SP-030639:** 2 Rel-4/5 CR 32.311 (Generic IRP management; Requirements): Correction of Scope, Foreword and definitions. These CRs were **approved**.
- TD SP-030640:** 2 Rel-4/5 CR 32.312 (Generic IRP management; Information Service): Corrections and clarifications – alignment with 32.102 and 32.311. These CRs were **approved**.
- TD SP-030641:** 2 Rel-5 CR 32.642/652 (UTRAN/ GERAN network resources IRP NRM): Add missing notification notifyPotentialFaultyAlarmList. These CRs were **approved**.
- TD SP-030642:** 4 Rel-5 CR 32.624/34/44/54 (CM; Generic/Core/UTRAN/GERAN network resources IRP: CMIP Solution Sets): Remove notifications from MOC managedFunction to align with IS. These CRs were **approved**.
- TD SP-030643:** 4 Rel-5 CR 32.622/32/42/52 (CM; Generic/Core/UTRAN/GERAN network resources IRP: Network Resource Model): Add Missing / Remove Redundant VsDataContainer. These CRs were **approved**.
- TD SP-030644:** Rel-5 CR 32.622 (CM; Generic network resources IRP: Network Resource Model): UML diagram and other corrections. This CR was **approved**.
- TD SP-030646:** 10 Rel-4/5 CR 32.642/3/4/5, 32.655, 32.615 (UTRAN/GERAN network resources IRP, Bulk CM IRP): Increase possible number of URAs from 1 to 8. These CRs were **approved**.
- TD SP-030648:** 3 Rel-6 CR 32.622/23/25 (CM; Generic network resources IRP: NRM/ CORBA SS/ Bulk CM XML file format definition): Add SetofMcc in SubNetwork. These CRs were **approved**.
- TD SP-030715:** 2 Rel-4/2 CR 32.642 (UTRAN network resources IRP: NRM): Correction in attribute – Alignment with RAN3 25.433. These CRs were **approved**.
- TD SP-030645:** 2 Rel-5/6 CR 32.403 (PM; Performance measurements - UMTS and combined UMTS/GSM): Correction of terms used for subcounter definitions. These CRs were **approved**.
- TD SP-030755:** Rel-6 CR 32.401 (Performance Management; Concept and requirements): Requirements for measurement job overload management. This CR was **approved**.
- TD SP-030649:** Rel-6 CR 32.411 (Performance Management IRP: Requirements): PM IRP Compliance. This CR was **approved**.

7.6 Review of TSG SA work programme

There were no specific contributions under this agenda item. The work programme was reviewed as part of agenda item 8.6.

7.7 Letters to other groups

There were no specific contributions under this agenda item. A list of Liaison Statements approved by TSG SA is provided under agenda item 8.5.

7.8 Other issues

[TD SP-030743](#) Considerations about supporting ME solution for key management in Rel-6. This was introduced by TIM on behalf of TIM and Orange and proposed:

- to consider the Analysis from an Operator perspective;
- to avoid the introduction of a (possibly harmful) new option in the 3GPP specifications;
- to propose SA WG3 to revise the decision on the MBMS Key (re)distribution mechanism, allowing only the UICC-based solution.

SA WG3 had been asked during their report to TSG SA to re-consider the MBMS Key management issue and to try to provide a single solution to TSG SA (i.e. not to have options for the mechanism). The request from TIM and Orange was therefore covered by this and should be further discussed in SA WG3.

[TD SP-030766](#) LS (from 3GPP2 TSG-C) to SA WG1: Preferred Roaming List for Multi-mode Terminal. It was noted that discussions are to be held in SA WG1 and a response should be generated by SA WG1. It was noted that the document mentions CDMA, without specifying which CDMA. It was assumed that refers to the system specified by 3GPP2.

[SA WG1 were asked to copy their response to RAN WG2 GERAN WG1 and CN WG1.](#)

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-030733](#) Draft meeting report from CN#22. This was provided by the TSG CN Secretary for information and was [noted](#).

[TD SP-030732](#) TSG CN Chairman's report to SA#22 (presentation slides). The Status report from TSG CN meeting #22 was presented by the TSG CN Chairman.

Rel-4 or Earlier Status Overview:

- BS30 Inter-network Accounting Solution Approved (R99 and later):
 - Use of ISUP Access Transport parameter.
 - No interest in actively progressing long term solution (ITU modifications).
- Continued cleanup of IMS, CAMEL4, SCUDIF, etc.
- Agreement with GSMA on use of .3gppnetwork.org TLD:
 - .3gppnetwork.org used for synthesizing IMS identity if no ISIM.
 - .gprs continues to be used for legacy services.
 - GSMA will take ownership of .3gppnetwork.org domain.
 - CN1 & CN4 coordinate with GSMA IREG on further usages of .3gppnetwork.org.
 - Structure of .3gppnetwork.org subdomains documented in 23.003 only.

Release 6 (New or Revised Items):

- New: Full CAMEL4 prepaid support for SCUDIF (NP-030584):
 - Completion planned March 04.
- Revised: Subscriber Certificates Stage 3 (NP-030511):

- Cleanup of relationship with GAA.
- Revised: IP & PS Emergency Calls Stage 3 (NP-030488):
 - Completion slipped to June 04.
- OSA Stage 3 (NP-030558):
 - Subtask cleanup (release 5 carryover).
 - Completion slipped to June 04.
- WLAN Stage 3 (NP-030490):
 - Added network selection.
 - Completion slipped to June 04.
- Completed: Interoperability and commonality between IMS using different IP connectivity networks (IMSCOOP) (some minor cleanup expected).
- Completed: Enhanced Dialed Services CRs for Alignment with SA3 on IMS security.
- OSA GUP work awaiting input from SA WG1 and SA WG2.
- No OSA work anticipated for Ut interface (diagram in 23.002).
- No CN work anticipated for SRES and AMR WB+.

TSG CN Questions and Guidance requested from TSG SA:

- 1) Provisioning of Cell ID to meet US regulatory requirement:
 - a) TSG CN approved CR to Rel-6.
 - b) Does not meet T1P1 requirement for "Release independence".
 - c) CN WG4 prepared to generate "reverse mirror CRs" back to R97 if necessary.
 - d) Request consistent handling of this issue across SA WG1, SA WG2, and CN WGs.
- 2) Handling of STF 254 proposed list of article 17 specifications:
 - a) TSG CN had proposed to facilitate non-3GPP discussion on e-mail list.
 - b) TSG CN will respect TSG SA guidance and not provide feedback.

Questions and Comments:

Slide 7: The input awaited from SA WG1 and SA WG2 on OSA GUP was for the stabilisation of the Stage 1 and Stage 2 work on GUP.

Slide 5: It was clarified that the .3gppnetwork.org TLD does not need endorsement from the PCG. .gprs is already adopted for GPRS.

Slide 6: WLAN Stage 3: It was clarified that the scope of the work will depend upon the Stage 2 work, CN WG2 and CN WG4 have been concentrating so far on Scenario 2. It was commented that CN WGs should proceed with Scenario 3 in order to reduce the risk of slippage. The TSG CN Chairman agreed that this was a reasonable expectation.

The TSG CN Chairman was thanked for his report, which was then **noted**.

TD SP-030734 IETF status report. This was introduced by the TSG CN Chairman and reported the status of the IETF drafts that 3GPP have dependencies on as follows:

- One Rel-5 SIP draft still not completed (3pcc). This is a minor dependency and could be removed if necessary.
- Various document splits and restructuring of documents as work matures has caused some old dependencies to be dropped. Additional potential dependencies added related to IPv4 / IPv6 interworking, transcoding, AMR-WB+ transport etc. Total Rel-6 dependencies now at 82.
- Highest risk areas are:
 - AAA (Diameter Credit Control, Diameter Multimedia Application);
 - EAP (WLAN Network Discovery and Selection);
 - SIMPLE/SIP/SIPPING/XCON (Filtering, Conference Control, Presence Publication, Whispering, Emergency Calls).
- Most IETF drafts on target for August 2004 timeline.
- IETF investigating changes to their working procedures to improve efficiency.
- IANA allocations are very slow.

handling of RFCs in old releases where new RFCs are now available: It was **agreed** that replacement of RFCs on frozen releases should be done on a case-by-case basis where account is taken on the impact (if any) to the functionality to the 3GPP specifications.

The report was then [noted](#) and the TSG CN Chairman was thanked for this ongoing task.

[TD SP-030716](#) Update of 3GPP IETF Dependency table. This was introduced by NEC and proposed to add a table into 3GPP IETF Dependency List in order to ensure that 3GPP IP flow-based charging specifications are aligned with IPFIX WG related work. It was noted that this had not been reviewed in SA WG5. It was decided that SA WG5 should receive this over the e-mail reflector to ensure that there is agreement of the SA WG5 members on the content of the list before adding it to the official IETF Dependency tables, as this table provides a list of items that 3GPP will have requirements upon. The SA WG5 Chairman was asked to inform the TSG CN Chairman of the suitability of this list for inclusion.

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

[TD SP-030735](#) LS (from TSG CN) to GSM IREG (cc: TSG SA) on Management of the "3GPPnetworg.org" domain. This was provided for information and was [noted](#).

[TD SP-030565](#) LS (from CN WG3) on Inter-network accounting for BS30 based services such as video telephony. This was covered by the report from the TSG CN Chairman and was [noted](#).

8.1.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG CN work was included in the Report from TSG CN under agenda item 8.1.1.

8.2 Report from TSG RAN

8.2.1 Report and questions for discussion from TSG RAN

[TD SP-030753](#) Draft report of TSG RAN meeting #22. This was provided by the TSG RAN Secretary for information and was [noted](#).

[TD SP-030752](#) Report from TSG RAN to TSG SA #22. The Status report from TSG RAN meeting #22 was presented by the TSG RAN Chairman.

ITU-R matters:

- A contribution, with information about the work ongoing within TSG RAN, was discussed for potential submission for Update 5 of the ITU-R Recommendation M.1457. TSG SA is requested to provide guidance on whether or not an update will be provided in October 2004 to ITU-R Working Party 8/F. If TSG SA and PCG agree on this point, then it is required that TD SP-030754 is endorsed to be sent for approval by the PCG as this document will be sent for ITU R WP8/F meeting in February. It seems that the process of updating M.1457 is taking more and more time and it is questionable if a discussion with the representative of ITU-R should not take place to try to look for a less constraining time schedule. TSG RAN Chairman is willing to attend the next meeting in Seoul to improve the process. Additionally, TSG RAN will produce Rel-6 versions of most of its specifications now (December 2003) so they can be sent for Update 4 of M.1457.

Release 99:

- Load due to CRs on Release 99 is decreasing and their scope is more and more limited. Even though the number seems too high the impact on specifications is limited. For the first time several of them have been rejected because felt not really essential.

Release 5:

- RAN WGs reviewed the impact on ASN.1 coding. It was not yet possible to agree to freeze this part for the RAN WG2 and RAN WG3 specifications after December 2003. This is foreseen to take place in March 2004. The situation is as follows:
RAN WG2 was unable to do that in December due to TS 25.331 (RRC) mainly. RAN WG2 and RAN WG3 ASN.1 must be aligned, it is hence difficult to impose freezing in RAN WG3 due to potential impact from the changes still required for the ASN.1 in RAN WG2 specifications.

- The issue on co-ordination between GERAN and RAN on support of lurg is now solved.

Release 6:

- MBMS has been scrutinised by RAN to check the status of the work. Work on AGPS performances has been started and a new specification is under development. The work item for Beam-forming Enhancement has been closed after approval of the CRs.
- Work on UMTS 800 & UMTS 850 is considered completed even though the band co-ordination required could not take place.
- Work on the 1700/2100 band is almost completed as FCC has now allowed the use of this band. Completion is foreseen for the next meeting of TSG RAN.
- The work on lu enhancements for IMS support in RAN is pending discussion within SA and CN to determine whether or not distinction between RTCP (signalling flows) and RTP (user traffic) can be discriminated. If the answer from these groups is no then no work has to be carried out by TSG RAN.
- UE positioning Enhancement is progressing however co-ordination between group on this matter was detected to be an important issue.
- Work on Network sharing is pending progress in TSG SA WG2
- The scope of the OFDM work has been reduced in order to comply with the June 2004 time schedule.

New WIs:

- Improvements of receiver performance of HSPDA UE for enhancing the performance of FDD system as building block.
- Performance Requirements of Receive Diversity for HSDPA as a first work task attached to this building block.

The TSG RAN Chairman praised the excellent work being performed by the MCC support members for the RAN WGs. TSG RAN WGs had also requested additional MCC support for their 2004 meetings, which would need to be taken into account with other requests to see whether additional support resources can be allocated.

The TSG RAN Chairman was thanked for his report, which was then **noted**.

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

[TD SP-030754](#) Proposed Initial submission for updated UTRA FDD and TDD toward Revision 5 of ITU-R Recommendation M.1457. This was **endorsed** by TSG SA for forwarding to the PCG List for approval.

8.2.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG RAN work was included in the Report from TSG RAN under agenda item 8.2.1.

8.3 Report from TSG T

8.3.1 Report and questions for discussion from TSG T

[TD SP-030762](#) Draft meeting report from T #22. This was provided by the TSG T Secretary for information and was **noted**.

[TD SP-030761](#) TSG T #22 Progress Report (presentation slides). The Status report from TSG T meeting #22 was presented by the TSG T Chairman.

Issues in TSG T:

- Review & Comments for a "Candidates 3GPP specifications for inclusion in Art 17 list of standards" from ETSI ECN&S STF254 (TP-030294).
- Review & Comments for a "Proposal for improving accuracy of work planning" from MCC (TP-030302).
- 3GPP/OMA Cooperation.
- Review of 3GPP/3GPP2/OMA workshop (7th November, London).

- Long discussion on "Transfer of MMS into OMA" and 4 proposals were developed and agreed.
 - Post REL-6 technical discussion on MMS 23.140 should be moved to OMA now.
 - PCG should be invited to consider IPR and copyright issues.
 - Discussion on technical maintenance of 23.140 Rel-6 and earlier should be moved to OMA on completion of Rel-6.
 - Further consideration is needed concerning transfer of ownership of 23.140 material, including splitting and rewriting specifications.
- T WG2 is invited to have a debate and create proposal on its future architecture and T WG3 will make a proposal on where to treat MMS smart card aspects in future.
- Review of "3GPP Dependencies on OMA Deliverables".

Questions and Comments:

Slide 20: 3GPP/OMA Co-operation: It was **noted** that there was an action point for the PCG meeting to discuss the copyright issues with OMA work.

Technical maintenance of TS 23.140: It was clarified that the move of work to another group entailed consideration of whether to also move the maintenance of previous Releases to that group, or to continue this in 3GPP. It was reported that the output of the OMA workshop had been endorsed by the OMA Plenary and it was desired to start work as soon as possible. It was noted that no firm decision on the transfer of this work and maintenance had yet been made.

K. Holley suggested that it made sense for TSG SA to follow the same process with TS 22.140 as was being followed with TS 23.140 by TSG T. This was **agreed**.

Slide 10: Misalignment of inter-RAT test cases between T WG1 and GERAN. It was clarified that it had been decided to split the testing so GERAN do the 2G to 3G handover testing and T WG1 will do the 3G to 2G handover testing. The task of writing the TTCN has been done by STF 160 and some misalignment has been reported with regards to the original agreed responsibility split (but there is no misalignment of the resulting test cases). TSG GERAN will add a cover note explaining which subset of test cases belong to the GERAN work will be added.

Slide 18: T WG3 Smart Card Application Aspects: It was clarified that T WG3 had discussed use cases and proposals and chosen to use the Bearer Independent Protocol as the high bandwidth bearer for communication between the USAT and the appropriate network element (see the LS in [TD SP-030745](#) which was endorsed by TSG SA). TIM reported that there were still some requirements which require further study in order to be adopted and they considered that this would be a suitable solution if all the requirements for the use-cases coming from GSMA can be fulfilled in the current Rel-6 timescales. If this can not be completed in time, the decision should be re-visited.

The TSG T Chairman was thanked for his report, which was then **noted**.

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

[TD SP-030607](#) T WG3 reply to LSs on MMS as a Bearer for USAT. This was dealt with when considering [TD SP-030745](#) and was **noted**.

[TD SP-030746](#) LS (from TSG T) to TSG SA cc: SA WG1, T WG2 on WID Handling of private addressing schemes in MMS. This was introduced by TSG T Secretary and requested that TSG SA review the attached WID with a view to expediting its approval in order to allow T WG2 to commence its work in January 2004. TSG SA noted that T WG2 were to work on this and asked SA WG1, SA WG2 to consider the work in the context of their VPN work and SA WG3 to consider the Security impacts. **The LS should be forwarded to SA WG1 and SA WG3 in addition to the currently addressed groups**. Supporting companies were asked to contribute to SA WG1 in order to progress the work. The feasibility for inclusion in Rel-6 would be determined by the amount of and progress of the work in the impacted WGs.

8.3.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG T work was included in the Report from TSG T under agenda item 8.3.1.

8.4 Report from TSG GERAN

8.4.1 Report and questions for discussion from TSG GERAN

[TD SP-030737](#) TSG GERAN Status Report to TSG SA#22. The Status report from TSG GERAN was presented by the TSG GERAN Chairman.

Pre-Release 5:

- Padding for MCS-8 retransmissions.
- Improved "Delayed Uplink TBF Release":
 - Reduction on the latency.
 - Concerns about battery power consumption.
- Clarification of NC measurement reporting for the case of dedicated connections.

Release 5:

- Few CRs on lu mode.
- CRRM:
 - Alignment with RANAP.
- RIM / NACC:
 - CRs reviewed but postponed.
 - Two evening sessions: good progress.
- Addition of selection at channel release postponed.
- PDP Context preservation.

Release 6:

- Multiple TBFs for A/Gb:
 - Interactions with DTM completed.
 - MS behaviour on reception of assignment messages.
 - Abnormal cases and abnormal release.
- Flexible Layer 1
 - Main parts of FLO completed and set of CRs introducing FLO approved:
 - CRs to TR and lu stage 2
 - CRs to stage 3 agreed
 - Support of FLO on HR channels
 - Modification to the classmark postponed
 - **FLO for A/Gb still open and might be post Release 6**
- MBMS:
 - Discussion over joint meeting outcome.
 - TMGI:
 - Requirements: short and unique.
 - MBMS terminology.
 - Notification requirements:
 - Added to the stage 2.
 - Channel coding: Agreement on re-use of existing GPRS/EGPRS coding schemes.
- Streaming:
 - WI (Rel-6) marked as completed.
- U-TDOA:
 - CS domain
 - Small correction to 43.059
 - PS domain
 - No activity
- 2G PS Conversational:
 - PS handover:
 - Handover principles clarified and agreed.

- Bi-casting vs packet forwarding.
- Alternative proposal for handover:
 - Very similar on the network side.
 - NC-2 like on the radio.
 - Concerns on size limitations of the PCCO.
- Skeleton for stage 2 created.
- PS interruption in DTM:
 - WI created.
 - One contribution on use cases and requirements:
 - Use cases to be validated.
 - No hard requirements from background/interactive.

TEI 6:

- Rules for handling PFC procedures.
- DTM procedure description.
- LCS QoS Class postponed.
- PFI change procedure:
 - Concerns raised about starvation of low priority flows.
- Uplink access burst defined.
- CPS field in MCS-3 blocks for MCS-8 retransmissions.
- Handover when service not supported in GERAN.
- Storage of the last location estimate in the BSS.
- Proposal for Cell-Selection redirection at connection termination.

SAIC

- Single Antenna Interference Cancellation:
 - Results of simulations for synchronous networks for CS services converge.
 - Results for asynchronous networks show a potential gain.
 - Results for 8-PSK interference show less gain for a 8-PSK modulated interferer compared to GMSK modulated interferer!
- Work items for Advanced Receiver Performance (ARP) approved.
- SAIC Feasibility Study kept open for additional scenarios.

Testing:

- There are still no input on the developing Test Cases (currently 0%) for the following Rel-5 features:
 - Alignment of 3G functional split and lu.
 - Wideband telephony services.
 - Enhanced Power Control.
 - AMR 8 PSK HR.
- Work plan for GPRS test cases R99 has been updated.
- The R97 GPRS test cases, which have been introduced to 51.010-1 during the Work-Plan life are R99 compliant, and will be included in the Work Plan by the next TSG GERAN Meeting.
- Outstanding actions:
 - To conclude the alignment (if possible) for the last 5 test cases by the next TSG GERAN Meeting.
- Testing of NC2:
 - Phase 1 / Step 1: 13 of 17 planned test cases available.
 - Phase 1 / Step 2: 12 test cases available. Additional test cases to be identified.
- PTCRB test cases:
 - A number of a new Test Cases were presented and agreed:
 - TTY.
 - PLMN Selection/Reselection.
 - The Work Plan has been updated and a number of action points identified.
 - An LS providing information about the status of the work send to PTCRB.
- GSM to 3G handover (TTCN):
 - GERAN WG3 has discussed and agreed to create the approval process of GERAN to UTRAN Inter-RAT Handover TTCN test cases, developed based on the TS 51.010 specifications
 - The process will be similar to that used by T WG1

- The GERAN WG3 is intending to be ready to approve TTCN as soon as verified test cases are available.

The TSG GERAN Chairman thanked himself for giving his report, which was then [noted](#).

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. The status of TSG GERAN work was included in the Report from TSG GERAN under agenda item 8.4.1.

8.4.3 Information on status and changes to deliverables

There were no specific contributions under this agenda item. The status of TSG GERAN work was included in the Report from TSG GERAN under agenda item 8.4.1.

8.5 Letters to other groups

| TD number | Title | Comment/Status | TO | CC |
|-----------|--|----------------|-------------------|--------|
| SP-030758 | LS on Candidates 3GPP specifications for inclusion in Art 17 list of standards | Approved | ETSI ECN&S STF254 | - |
| SP-030786 | Liaison Statement on Status of 3GPP Service Definition and Service Creation work | Approved | TC-TISPAN WG 1 | SA WG1 |
| SP-030787 | Reply to LS to 3GPP on principles for overlapping issues with OMA regarding PoC | Approved | OMA REQ | - |

8.6 3GPP Work plan

[TD SP-030768](#) 3GPP Work Plan, version 10th December 2003. This was provided for information and was [noted](#).

[TD SP-030769](#) Review of the Work Plan at Plenaries #22. This was presented by A. Sultan, the MCC Work Plan manager and outlined the MCC summary of the status of Features in the 3GPP Work Plan.

Questions raised to TSG SA:

- Slide 24: Can LCS support for IMS public identities and FS on Galileo be shifted to later release if needed?
[YES](#)
- Slide 30: How can 3GPP be informed of the progress of 3GPP2 on interoperability issues?
[It was commented that the interoperability with 3GPP2 should be considered as closed, as the 3GPP2 work relied upon the 3GPP work, which is considered complete. This could be re-opened if necessary, depending on input from 3GPP2.](#)
- Slide 40: CN1 work never started, and the task is proposed to be deleted at CN#23 unless CN1 tasks are clearly identified.
[SA WG4 Chairman responded that work in CN WG1 is dependent on the selection of Codec, and SA WG4 would provide the necessary information to CN WG1 as soon as it is available. TSG CN were asked not to delete this task until this is clarified.](#)

Questions and Comments:

Slides 68-76 (feature list and expected completion dates) and last slide (Conclusions): It was clarified that the conclusions were drawn by assuming that June 2004 was an "optimistic" freeze date, whether September was considered a more "realistic" freeze date, given the uncertainties for the completion dates.

Slide 76: It was clarified that the "?" characters in completion dates were included to indicate that the dates were uncertain.

Slide 76: It was clarified that MBMS User Agent was equivalent to MBMS User Service.

Slide 39: The SA WG4 Chairman commented that the SA WG4 work should be estimated as June 2004.

Slide 50: The SA WG4 Chairman commented that the Performance evaluation of multimedia Codecs for PS conversational services completion date should be June 2004.

Slide 76: Bandwidth and resource savings in CS networks completion date should be replaced with "?".

Slide 19: MIMO Completion date should be "Not Applicable". It was also noted that MIMO is not a Feasibility Study, but a Work Item.

Slide 76: The Feasibility Studies and TRs should be removed from this list as they are misleading for the status of real specification work.

Release 6 freeze planning:

It was considered unrealistic to have a freeze date of June 2004, due to the number of open issues in the Stage 2 parts of key Features. It was expected that more accurate and reliable information on the expected Stage 3 work would be available at the March 2004 Plenary meetings and if the Stage 2 can then be considered as frozen (i.e. only Category F CRs expected) then the final freeze date can be determined.

The SA WG2 Chairman reported that some Stage 2 items were planned for completion in June 2003 and the priority of those items as it is intended to complete the Stage 2 by March 2004 was questioned. The TSG SA Chairman asked SA WG2 to list their work items with expected impacts on the Stage 3 in order to determine the priority of early completion/freezing of the Stage 2. An "exceptions list" can then be generated for the Stage 2 completion/freeze dates, where later delivery would not entail a large amount of Stage 3 work.

The revised presentation, including agreements and comments received was provided in [TD SP-030791](#) which was [noted](#).

[TD SP-030767](#) Draft summary of Release 1999 features. This was presented by A. Sultan, the MCC Work Plan manager and was a draft summary of the Release 1999 "features", compiled by MCC. As Release 1999 did not use the concept of Features, Building Blocks and Work tasks, this task had been done slightly differently to the Rel-5 Features summary previously produced by MCC. **Members were asked to check the document and provide comments on any errors, omissions, etc. to the Work Plan Manager, A. Sultan** in order that an improved version can be produced by MCC for presentation to the next TSG meetings. The document was then [noted](#).

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

[TD SP-030574](#) CRs to lists of specs. It was clarified that the highlighted note in 41.101 CR001 was not intended to appear in the implementation of the specification. These CRs were [approved](#).

[TD SP-030576](#) List of Release 5 Specs not yet upgraded to Release 6. This was provided for information and was [noted](#). [WG Officials were reminded that any TSs and TRs not already upgraded to Rel-6 at the Rel-6 freeze date will need to be considered as to whether they are appropriate for upgrade from their latest Rel-5 version or not.](#)

[TD SP-030577](#) Specs status list prior to TSGs#22. this was provided for information and was [noted](#).

[TD SP-030578](#) Status list after TSG SA #22. This document will be provided by the MCC specifications Manager (Mr. J. Meredith) after inclusion of the results of this round of TSG Meetings. Members were asked to check the document and make any comments to Mr. J. Meredith, MCC.

[TD SP-030579](#) Specifications not yet under change control, but pertaining to frozen Releases. The SA WG3 Secretary was asked to take this to SA WG3 and report back to the specifications manager with decisions on the outstanding documents in the table. The list was then [noted](#).

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-030782](#) LS from various Operators: Request for Workshop on Evolution and Management of 3GPP specifications beyond Release 6. This was provided by O2, AT&T Wireless Services, Rogers Wireless, T-Mobile, Vodafone, Orange and Telecom Italia Mobile and proposed that TSG SA should sponsor and propose a 3GPP workshop to address the requirements for the future evolution and management of the 3GPP specifications beyond Release 6. It proposed that the workshop be tasked with examining the current Release structure, to discuss possible alternatives and to propose a way forward to TSG SA meeting #23. A related contribution was provided in [TD SP-030742](#) which was also considered.

[TD SP-030742](#) Improvements to 3GPP Release Structure. This was introduced by Nortel Networks and discussed the proposals provided by the Operators in [TD SP-030782](#), i.e.:

- Explicitly plan which features may require an early implementation.
- Take account of protocol properties when designing features for early implementation.
- Capture the possibility for early implementation when individual features are completed.
- Document the "frozen" status of individual features and clarify the processes for the individual freezing of features.

Nortel Networks discussed aspects of the 3GPP release systems and ways it could be improved. The analysis suggested that there isn't a strong case for moving away from the current model of having one system wide release produced on a periodic basis. However, improvements in a number of areas would help make this process more effective:

- Process improvements should be applied to make the "early implementation" of features prior to the freezing of a whole release a more practical possibility.
- The work item template is updated as shown in the annex to help facilitate these improvements.
- The coupling between different modules of the system should be more carefully managed so that new features can be deployed while impacting as few modules as possible.

The template provided in an annex to the contribution was considered useful to help reinforce the use of the current working methods adopted in 3GPP.

It was commented that the urgency for this issue and the need for a workshop was not clear as the priority for 3GPP is the progress and completion of the Rel-6 work and suggested that such a workshop should not be considered until Rel-6 is complete.

There was a suggestion for a "temporary" report of Release 7 Features which are complete and can be implemented on a Release 6 platform to be produced in order to give a clear indication of possible additional capabilities of a Rel-6 system.

The TSG SA Chairman commented that these proposals would need a serious analysis in order to determine the practicalities and impacts of the proposals in order that any change of working methods is manageable and consistent. Although it is possible to freeze features independently, the Nortel Networks contribution indicated that there are no mechanisms in place to manage this and it would introduce some complexity at first sight. As no agreement on the setting-up of a workshop on this subject could be reached at the meeting, the TSG SA Chairman suggested that this is best dealt with via e-mail discussion and report to the next meeting of any conclusions and agreements made and the decision on the way forward to be decided at the next TSG SA meeting. This suggestion was agreed and Mr. I Sharp **agreed** to manage/moderate the e-mail discussion. The progress after the next TSG SA meeting would be determined to decide if the OPs should be consulted on the proposed modifications to the working methods for the 3GPP Project.

8.10 Other issues

[TD SP-030784](#) Proposals on organisation of charging work. This was introduced by Lucent Technologies on behalf of Lucent Technologies, Siemens AG, Motorola, T-Mobile, Nortel and Alcatel. During the discussions, The following points were agreed:

1. *It was agreed that SA1 is and should continue to be the group responsible for the Stage 1 charging requirements. It was noted that GSMA liaises frequently with SA5 SWGB on requirements, but that not all of these requirements are stage 1 related, many relate to operational issues. It was agreed that GSMA should be encouraged to send stage 1 related requirements to SA1 with the option to send the*

information to SA5 SWGB as well and that SA5 SWGB should continue to forward the appropriate requirements to SA1 if this does not happen.

This was noted by TSG SA. GSMA should be asked to send liaisons also to SA WG1.

2. It was agreed that SA2 is responsible for the overall network architecture and should continue with the work that it has been doing to define the impacts of charging within the context of that network architecture, while charging architecture specific aspects will continue to be the responsibility of SA5. However, it was agreed that the borderline between SA2 and SA5 SWGB is difficult to define, except on a case-by-case basis.

This was noted by TSG SA.

3. It was agreed to encourage more co-operation and co-ordination of the charging work between the SA and CN WGs as well as, as far as possible, to look for co-location of meetings. It was also agreed to encourage more direct technical co-operation and co-ordination of the charging work in SA5 with the AAA work in IETF, especially with regards to online charging and credit control aspects. Administrative aspects of this co-operation are handled within IETF dependency management framework of TSG-CN. The SA WG5 Chairman reported that SA WG5 SWGB had undertook to start direct liaison and co-locating meetings would be considered. It was commented that the Work Plan provides Feature level details, but the real detail of each work item should be obtained from the WID sheets.

TD SP-030760 3GPP Dependencies on OMA Deliverables. This OMA dependencies list was introduced by Mr. I. Sharp. The document was considered useful and should be maintained in a similar way to the IETF Dependencies list. WG Chairmen and Secretaries were asked to forward information to Mr. I. Sharp to keep the list updated.

TD SP-030789 Draft LS (from OMA TP Leadership) to 3GPP and 3GPP2 on MMS decisions. This was provided for information and showed that the OMA workshop conclusions had been endorsed by the OMA Plenary. The LS was then noted.

9 Project Management

9.1 Review of work programme

There were no specific contributions under this agenda item. The work programme was reviewed as part of agenda item 8.6.

9.2 Working methods

TD SP-030575 CRs to 21.900 to make it "release-independent" and to correct some references. These CRs were produced by the specifications manager and were approved. The specifications manager undertook to do a similar thing for 21.801 (3GPP drafting rules).

TD SP-030750 Proposal for improving the accuracy of work planning. This was introduced by the specifications manager and had been produced by the specifications manager and work plan manager in order to attempt to improve the accuracy of the Work Programme. The following actions to try to overcome these problems were proposed:

1. Time scales recorded in WIDs should be relative, not absolute. That is, rather than estimating the completion date, the WID should state the number of months required to complete it.
2. All work items should be shown as having started not on approval of the WID, but on the generation of the first subsequent contribution to the responsible Working Group.
3. Stage 2 work should not be targeted to start until the stage 1 work reaches at least 50 %. When Stage 1 is provided by the means of new specification(s), this means that the corresponding specification has been presented to the TSG for information.
4. Stage 3 work should not be targeted to start until the stage 2 work reaches at least 50 % (i.e. if applicable, corresponding new specification presented to the TSG for information).

It was recognised that the Project Management as applied to the 3GPP work is not as rigorous as normal Project Management due to the "open-ended" nature of standardisation work. The idea is to have a good estimate of the timing of a block of work and to link these dates to the related work on which it depends.

It was commented that if the WGs kept their Work Plan details accurate and up-to-date then such a change would be unnecessary. It was also commented that for Stage1, 2 3 work, there were many examples of where the use of dependency-relative timescales would be useful.

There was a comment that apart from Stage-related dependencies, there were also a number of Inter-WI-related dependencies, which are also difficult to manage accurately. The dependencies on work in non-3GPP groups should also be considered in the 3GPP Work Plan.

The specifications manager clarified that for commercial reasons it may be appropriate to include fixed target dates for some WIs on a case-by-case basis.

It was **agreed** that BB WIs **should** use this relative target date system, but it was important that the **target date at the Feature level is fixed**. Therefore, Features would need to contain a fixed Target date, and BBs and WTs below it could use the relative system with respect to other Features / BBs / WTs.

NOTE: It was clarified that the target date would appear as a milestone in the Project Plan rather than a fixed Finish date in order for this hybrid system to work in the software.

TSGs and WGs were encouraged to ensure that accurate estimates were included in the Work Plan.

[TD SP-030742](#) Improvements to 3GPP Release Structure. This was discussed under agenda item 8.9.

9.3 Other issues

There were no specific contributions under this agenda item.

10 Project support

[TD SP-030775](#) MCC Status report to TSG SA #22. This was presented by the head of MCC (A. Scrase) and provided information on the running of MCC and resource issues. It was reported that due to a re-structuring in ETSI, Mr. A. Scrase was now the Head of additional ETSI competence centres and that Mr. J. Meredith had been appointed as Team Leader for MCC.

Departures:

It was reported that Claus Dietze has now returned to his home company (Giesecke & Devrient) but continues to provide support to WG T3 (and SCP) on a part time basis until the end of 2003. This is the last TSG session at which we will see Claus and recognition should be given to the work that he has performed. This vacant post will not be filled, but Claus' workload will be taken over by Andrijana Jurisic, with effect from 1 Jan 2004.

Also departing from the team is Joern Krause who will return to his home company (Siemens AG) at the end of 2003. This is the last TSG session at which we see Joern and his support to RAN3 should also be recognised. A calling notice has already been issued for this vacancy and it is hoped that a suitable replacement will be found and that RAN3 experience no loss of service.

Marlène Forina, who is well known to many of you as one of the MCC support assistants, has also left the team (but continues to work in ETSI). This vacant post will not be filled, but Marlène's tasks have been distributed among the remaining assistants.

These MCC members were thanked for their very good work performed within MCC and were wished good fortune in their future work.

Additional support resource requests:

It was suggested that the RAN WGs should take high priority for additional support due to their high work load to meet the requirements and other WGs then allocated on an urgency basis and remaining resource.

11 Postponed issues from earlier in the meeting

There were no specific contributions under this agenda item.

12 Work plan and future meetings

[TD SP-030785](#) 3GPP Calendar of Meetings. This was provided for information and was **noted**.

Length of meetings: There was some discussion on the length required for TSG SA meeting plenary. The TSG SA Chairman reported that it was always possible to reduce the meeting length, but at the expense of longer working days and less flexibility to include any off-line discussion, quickly arranged Workshops or ad-hoc groups. [It was concluded that, in order to facilitate the possibility for evening discussion groups, 3.5 day meetings would be necessary, which would allow for occasional extensions for special Workshops or ad-hoc meetings on the first morning with minimal disruption to the TSG SA meeting timing.](#)

The 2004 meeting schedule is defined and the 2005 schedule will soon be finalised.

The current meeting schedule was as follows:

| TITLE | HOST | DATES | LOCATION | COUNTRY |
|---------------|------------|-----------------------|--------------|---------|
| 3GPPGERAN#18 | EF3 | 2-6 February, 2004 | Reykjavik | IS |
| 3GPPRAN#23 | NA Friends | 9-12 March, 2004 | Phoenix | US |
| 3GPPT#23 | NA Friends | 10-12 March, 2004 | Phoenix | US |
| 3GPPCN#23 | NA Friends | 10-12 March, 2004 | Phoenix | US |
| 3GPPSA#23 | NA Friends | 15-18 March, 2004 | Phoenix | US |
| 3GPPGERAN#19 | NA Friends | 19-23 April, 2004 | TBD | US |
| 3GPPRAN#24 | TTA | 1-4 June, 2004 | TBD | Korea |
| 3GPPT#24 | TTA | 2-4 June, 2004 | TBD | Korea |
| 3GPPCN#24 | TTA | 2-4 June, 2004 | TBD | Korea |
| 3GPPSA#24 | TTA | 7-10 June, 2004 | TBD | Korea |
| 3GPP GERAN#20 | EF3 | 21-25 June, 2004 | TBD | Europe |
| 3GPP GERAN#21 | NA Friends | 23-27 August, 2004 | TBD | US |
| 3GPPRAN#25 | NA Friends | 8-10 September, 2004 | Palm Springs | US |
| 3GPPT#25 | NA Friends | 8-10 September, 2004 | Palm Springs | US |
| 3GPPCN#25 | NA Friends | 8-10 September, 2004 | Palm Springs | US |
| 3GPPSA#25 | NA Friends | 13-16 September, 2004 | Palm Springs | US |
| 3GPPRAN#26 | EF3 | 8-10 December, 2004 | Athens | Greece |
| 3GPPT#26 | EF3 | 8-10 December, 2004 | Athens | Greece |
| 3GPPCN#26 | EF3 | 8-10 December, 2004 | Athens | Greece |
| 3GPPSA#26 | EF3 | 13-16 December, 2004 | Athens | Greece |
| 3GPPRAN#27 | | 9-11 March 2005 | Tokyo | Japan |
| 3GPPT#27 | | 9-11 March 2005 | Tokyo | Japan |
| 3GPPCN#27 | | 9-11 March 2005 | Tokyo | Japan |
| 3GPPSA#27 | | 14-16 March 2005 | Tokyo | Japan |

13 Any other business

There were no specific contributions under this agenda item.

14 Close of meeting

The TSG SA Chairman thanked the delegates for their hard work and co-operation during the meeting, the Meetings Hosts, North American Friends of 3GPP, ARIB and TTC and the Support staff for the excellent facilities provided for the TSG meetings. He then closed the meeting. He wished delegates a safe journey home and happy holidays.