

**Source:** Leaving Chairman TSG SA  
**Title:** Report to PCG on work in TSG-SA  
**Agenda:** 4.1

**Document for:**

Decision	
Discussion	
Information	X

## **1 Main events since last meeting**

In the period October 2004 (PCG#13) to April 2005 (PCG#14) TSG-SA have held two TSG-SA plenary meeting, TSG-SA#26 (Athens, Greece), December 2004) and TSG-SA#27 (Tokyo, Japan, 13 – 16 Marts 2005). Further to TSG-SA plenaries, a number of meetings of the TSG-SA working groups have taken place.

At TSG SA#27 an election of TSG SA officials took place with the following results

Chairman: Mr Stephen Hayes, Ericsson Inc, ATIS  
Vice Chairman: Ms Yuhong Huang, China Mobile, CCSA  
Vice Chairman: Mr Armin Toepfer, Vodafone D2 GmbH, ETSI

For the third Vice Chairman position TSG SA were unable to decide between two candidates following two rounds of voting. The following voting results were recorded:

Mr Nick Sampson, Orange, ETSI: First Round 41 votes/Second Round 40 votes  
Mr Hee Joung LEE, LG Electronics, TTA: First Round 40 votes/Second Round 40 votes

Based on the above mentioned election results the PCG is invited to appoint a TSG SA leadership team and/or instruct TSG SA on how to proceed.

## **2 Technical work in TSG-SA**

The work of TSG-SA consists of three main parts: technical work within TSG-SA, technical co-ordination between the TSGs and project management. In the period TSG-SA has been working in all three areas. The technical work within TSG-SA is organised in 5 working groups dealing with the service aspects, architecture, security, codec aspects and telecom management.

### **2.1 Work related to Service Aspects**

The service requirements and associated stage 1 documentation for release '99, release 4 and release 5 are considered complete and the necessary adjustments and clarification caused by the stage 2 and stage 3 work done. For release 6 the requirements and the stage 1 documentation are

also considered complete and stable, however there might still be a need for a few adjustment and clarification caused by the completion of stage 2 and 3. TSG-SA WG1 (S1) has now started the work on Release 7. TSG SA has decided to target completion of requirements for Release 7 by September 2005. This in order to leave sufficient time for the Stage 2 and 3 work when maintaining the original goal of one release every 12 – 18 month.

## **2.2 Architecture related work**

The architectural work related to the IP based network has been stable in the period and the key decisions for the IM subsystem kept unchanged, i.e., the selection of SIP as Call Control model. Generally, releases 99, 4, 5 and 6 are considered stable. TSG SA WG2 has completed all major parts of the stage 2 work for Release 6. It seems clear that the workload of TSG SA WG2 do not allow TSG SA WG2 to reduce the number of meetings to one per plenary period and thus with the rules agreed for MCC support might need to hold meetings without MCC support. However, so far MCC have managed to support the meetings held. As a part of Long Term Evolution work TSG SA WG2 has started to look into the architectural aspects of this and amongst other activities joint sessions with TSG RAN working groups are planned, first to be held May 2005.

## **2.3 Security related work**

Has reported earlier to PCG the introduction of IP Multimedia Subsystem introduced significant changes to the network architecture. Consequently there has naturally been a number of correction necessary in order to ensure that all security aspects are considered and handled correct, however the releases 99, 4 and 5 are all considered stable. In addition to this work analysing security impacts of potential early IMS implementations have taken place. Work on Release 6 is now also considered completed and no major problems are identified for the time being. At TSG SA #27 several companies expressed interest for the usage of HTTPS connection between an UICC-based application and a network application function (NAF) to secure the access to services over HTTP (according to TS 33.222) to be a part of Release 6. TSG SA noted that the completion of all necessary Stage 3 work might not be done until September 2005, which is regarded as too late for Release 6 inclusion, however TSG SA asked for this work to be completed with urgency by the impacted WGs. If the complete work is presented to TSG SA in June 2005 then TSG SA would consider including it in Release 6 at that point in time.

## **2.4 Codec related work**

The codec work in TSG-SA WG4 (S4) for release 99, 4 and 5 is found stable and no significant changes expected. Based on the evaluation work performed by TSG SA WG4 and the host laboratories, TSG SA has approved specifications for codecs for PSS/MMS, Video, MBMS and Speech Enable Services. TSG SA Working Group 4 has now completed the specifications for these codecs and the work is considered complete except for some additional characterization. For MBMS te work is generally considered stable and almost complete the main outstanding item is a decision regarding application layer FEC.

## **2.5 Work related to telecom management**

TSG-SA has in the past reported to PCG that TSG-SA wished TSG-SA WG5 (S5) to complete the specifications at the same time as other parts of the release. However, parts of the telecom management specifications build on the core specifications and can therefore not be fully completed before the core specifications are completed. On this background TSG-SA have in the past found it acceptable that a delay of 3 month compared to close of the release could occur for some telecom management specifications. This goal was not completely fulfilled in the case of Release 99 and

Release 4, however the majority the specifications were completed at the requested point in time and remaining specifications within the time of one additional meeting cycle (3 month). The telecom management specifications for release 99 and release 4 are considered stable. A similar situation occurred for Release 5 where the telecom management related specifications first were fully ready in September 2002. However, this represent a clear improvement compared to the previous releases and for Release 6 the telecom management work is almost completed and there are very few open issues, so it is fair to conclude that for Release 6 the telecom management specifications are being completed at the same time as the core specifications.

Also in the area of telecom management specifications some cooperation with the corresponding 3GPP2 groups has been established. According to information available to TSG-SA, 3GPP2 are building some of their telecom management specifications on basis of the 3GPP specifications as delta specifications. TSG-SA welcomes this harmonisation of telecom management specifications across standards. TSG-SA does not foresee any negative impact on the 3GPP timescales and workload due to this.

### **3 Technical co-ordination**

#### **3.1 Issues related TSG-CN and TSG CT**

The cooperation with TSG CN has been running smoothly and there are no major issues to report. Also TSG SA have received a short report from the new TSG CT and expect the cooperation with TSG CT to run as smoothly as the cooperation in the past with TSG T and TSG CN.

#### **3.2 Issues related to TSG-RAN and TSG "new RAN"**

TSG-SA has taken note of the fact that TSG-RAN have significantly reduced the number change request to perform error corrections for the Release 99 set of specifications. Further TSG-SA has taken note of the completion of major work items such as HSDPA as part of Release 5. TSG SA has noted that the maintenance of major work items completed reduces the time available for work on the next releases TSG-SA. TSG-SA has taken this into account in the review of the overall project plan. As indicated earlier in this report TSG SA is working with TSG RAN on the Long Term Evolution and TSG SA WG1 have been tasked to look into the requirements for this work. TSG SA WG2 is working at the architectural aspects and have planned joint sessions with TSG RAN working groups.

#### **3.3 Co-ordination with TSG-T**

TSG-T has informed TSG-SA about the progress in elaboration of test specifications and the associated abstract test suites. TSG-SA further has noted the elaboration of priorities for the completion of the remaining work based on input from the industry. In general no major issues has raised between TSG SA and TSG-T, only the usual coordination of the requirement and architectural work with the technical work of TSG T. TSG SA noted the closure of TSG T WG2 and accepted the proposal from TSG T to take onboard responsibility for a few specification formerly under responsibility of TSG T WG2.

#### **3.4 Co-ordination with TSG-GERAN**

TSG-GERAN continues in a manner equal to that of the other TSGs to provide an overview of its activities and work plan. The work plan for TSG GERAN is integrated in the overall work plan for 3GPP. In the period the main areas of contact between TSG SA and TSG GERAN have been in the area of Architecture and security issues related to enhancements to A and Gb interfaces. These activities have mainly involved TSG SA WG2 and WG3. Also TSG GERAN has informed about the work on Generic Access and TSG SA through TSG SA WG1, WG2 and WG3 have provided feedback to TSG GERAN on this matter.

#### **4 Requirements for support in 2005-2006**

As earlier reported TSG-SA does not see any major changes in its requirement for support in 2005 compared to earlier estimates. Also TSG SA sees no reason to change the requirement that the same number of man month as for 2005 are budgeted for 2006. As reported earlier in this report TSG SA WG2 has so far not been able to limit its number of meetings and would therefore, if possible, desire increased support compared to one meeting per period.

#### **5 Release 99, 4 and 5**

As indicated earlier in this report TSG-SA have reviewed the status of the project in co-operation with the other TSGs. Based on the status report provided, TSG-SA concludes that all release 99, release 4 and release 5 items have been completed and the releases can be considered stable. However, TSG-SA foresees there still for a while will be a need for a corrective changes to Release 5 especially in the area of the radio access network and IMS.

#### **6 Release 6 and beyond**

As earlier reported for Release 6 TSG SA decided a staged "freezing" of Release 6, meaning first to "freeze" the release in terms of requirements except for items already identified. Items arriving from cooperation partners were then evaluated on a case per case basis to assess if they could be completed within the timescales for Release 6. Then at TSG SA #26 (December 2004) it was agreed that Release 6 was to be frozen in March 2005 potentially granting a limited number of specific cases for completion no later than June 2004. This was done at TSG SA #27 and TSG SA will assess the Release 6 completion further at its next meeting in June 2005.

It is perhaps worth reiterating that the work on defining a content of a release is based on the principles for a release agreed at TSG-SA#09 and confirmed by PCG#05. These principles are:

- A release shall consist of a well-defined, stable and internally consistent set of functions;
- A release shall be documented in a maintained, consistent stream of specifications;
- Essential corrections to a stable or frozen release shall be included in the applicable release;
- New or changed functionality shall be included in new (rather than retrospectively in old) releases.

As a part of these principles it was also agreed that the overall road map should be controlled by the 3GPP Project plan (i.e. a "3GPP Road Map") and not as in the past by the Releases. The content of the Release should be based upon the work plan with a well-defined closing time for the content of a Release (6 – 9 months before completion of a particular Release).

#### **7 General Management issues**

As earlier reported TSG SA have had a discussion on how to quickly complete and "release" functionality for early implementation not awaiting the completion of the full release. It has been concluded that the basic mechanism already is catered for in the procedures for handling of work items and work plan. However, it was found that a practical mechanism needed to be defined and implemented. This keeping in mind that it shall be possible to administrate it with a minimum overhead. TSG SA expected to reach a conclusion on this matter by TSG SA #24 and have incorporated the necessary updates to TR 21.900 at TSG SA#25.

As reported earlier, when establishing the overall status for the release 1999 it was realised that it was been difficult to link together the work items of the different TSGs in order to understand whether or not all part of a service or functionality is being completed according to the target. To help overcoming

this problem for future releases a working model was elaborated and agreed. This working model has now been in place for a while and allows the work items of the different TSGs to be linked into a hierarchical structure, based on three levels feature, building block and work task. This process has now enter a phase where it is a routine within the work of 3GPP and is very useful in the discussions around the content and target dates for releases. Extract of the overall work plan is provided to PCG for consideration in Tdoc PCG#14(05)12.