

Meeting #4, Miami, USA, 21-23 June 1999

Source: TSG SA drafting Group
Title: System Architecture Issues identified to be solved urgently within TSG-S2

The TSG-SA drafting group were tasked to create a list of topics that need to be solved urgently within TSG-S2 for release –99 (issues, that are not currently handled in 23.121 v.2.0.0).

Drafting group meeting took place on June 22nd at 7.30 PM. Participants at the meeting where:

Adam Berenzweig, Lucent Technologies (TSG-S3 Vice-Chairman)

Raj Sanmugam, Ericsson

Harald Detner, Siemens (TSG-T Chairman, SMG3 Chairman)

Alain Sultan, MCC

Teuvo Järvelä, Nokia (TSG-S2 Chairman, SMG12 Co-Chairman)

Written input to the meeting was received from:

Denis Fauconnier, Nortel (TSG-R2 Chairman)

Francois Courau, Alcatel (TSG-R Vice-Chairman, SMG12 Chairman)

Based on the discussions and the valuable written input received, group drafted a proposal, that is listed on the next page of this document.

Group wants to highlight the importance of the listed issues, but is aware, that other open issues might exist. Group is encouraging 3GPP member companies and other TSGs/WGs to review the 23.121 and contribute to the next TSG-S2 meeting (July 26-30 in Newark, New Jersey, USA) on the following:

- the listed topics (see next page), so that those could be concluded at TSG-S2 ASAP
- possible other issues, that would need to be solved within TSG-S2 ASAP for release -99
- issues that might not be relevant for release –99, and therefore should be removed from 23.121

Topics, that the TSG-SA drafting group is proposing to be solved ASAP for release –99 within TSG-S2 are listed below (outcome to be included into 23.121). Contributions are invited to the next TSG-S2 meeting on July 26-30.

- Architecture overview and the functional split between the nodes (lots of these issues are currently embedded to the text in 23.121)
- UMTS bearer (UE to GGSN)
 - QoS for every hop in the UMTS bearer (e.g. delay budget)
 - the outband signalling that is necessary
 - Inband signalling (e.g. transcoder control by UTRAN (transcoder located in CN))
 - Mapping of IP flow onto a list of UMTS bearers (IP flow classification)
- Charging of Radio access bearers, interactions of subscription with RABs etc. to be applied to IP domain
- How to co-ordinate the PS and CS services in UTRAN (how to negotiate in case where we have too much services required to be handled within UTRAN for one UE)
- Security features defined by TSG-S3 and their possible impact to System Architecture (see documents 33.102, 33.103, 23.121 and 23.920 chapter 9.5)
- Dualmode operation (GSM/UMTS):
 - Handover scenarios (including cell selection) and impact to the architecture
- Anchor Concept:
 - The anchor SGSN concept or the non-anchor SGSN concept and SRNS relocation