

3GPP TSG-SA Meeting #21
Frankfurt, Germany, 22-25 September 2003

SP-030373



TSG-SA WG2 report at TSG SA #21

**Magnus Olsson, SA2 Chairman
and
Sang-Ui Yoon, MCC (SA2 Support)**

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Content

- **General aspects (events since SA#20, statistics, next meetings)**
- **Issues on Rel99 and before**
- **Issues on Release 4**
- **Issues on Release 5**
- **Progress and issues on Release 6**
- **Actions expected from SA#21 by SA2**

- • **General aspects (Events since SA#20, statistics, next meetings)**
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General aspects (1/5)

Meetings since TSG-SA #20

- **TSG-SA WG2 plenary meetings:**
 - SA2#33 in Sophia Antipolis/France, 07~11 July, hosted by ETSI
 - SA2#34 in Brussels/Belgium, 18~22 August, hosted by European Friends of 3GPP

General aspects (2/5)

SA2 drafting sessions held during SA2#33 & SA2#34:

- LCS, chaired by Mr. Jan Käll (Nokia)
- MBMS, chaired by Mr. André Jarvis (THREE)
- WLAN, chaired by Mr. Frédéric Paint (Telenor)
- Charging, chaired by Mr. Alexander Milinski (Siemens) at S2 #34

E-mail discussions monitored by Mr. Aki Noda (Fujitsu).

SA2 Vice-Chairs: Mr. Aki Noda and Dr. Alexander Milinski

THANKS TO ALL OF THEM !!

General aspects (3/5)

Next SA2 meetings:

- **SA2 #35: 27 - 31 October, 2003**
 - Bangkok, Thailand
 - Hosted by Japanese Friends of 3GPP
 - Co-located with the CN groups and SA1
- **SA2 #36: 24 - 28 November, 2003**
 - New York, U.S.A.
 - Hosted by North American Friends of 3GPP 

General aspects (4/5)

SA2 Meeting Plan for 2004:

- SA2 #37: 12 - 16 January, 2004
- SA2 #38: 16 - 20 February, 2004
- SA2 #39: 19 - 23 April, 2004
- SA2 #40: 17 - 21 May, 2004
- SA2 #41: 16 - 20 August, 2004
- SA2 #42: 11 - 15 October, 2004
- SA2 #43: 15 - 19 November, 2004

General aspects (5/5)

Statistics at SA2#33 and SA2#34:

- Around 100 delegates attended each meeting
- Around 1.000 temporary documents handled, among them:
 - 71 incoming LSs
 - 44 outgoing LSs
 - 190 CRs (including revisions)
- 842 people registered on the SA2 e-mail reflector on Sep 4th.

- **General aspects (Leadership, events since SA#20, statistics, next meetings)**
- • **Issues on Rel99 and before**
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Issues on Rel99 and before

- **GPRS stage 2 (TS 23.060)**
 - **Unsynchronous UTRAN and UE RRC states can cause the UE to be unreachable for MT CS calls and MT SMS. A mechanism to recover this situation is introduced.**

- General aspects (Leadership, events since SA#20, statistics, next meetings)
- Issues on Rel99 and before
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Issues on Release 4

- **Release 4 changes (in addition to mirror CRs of R99 changes)**
 - **LCS stage 2 (TS 23.271)**
 - **The possibility for the GMLC to use the PDP address of the target UE is not specified in Stage 3. Stage 2 is updated to align with stage 3.**

- General aspects (Leadership, events since SA#20, statistics, next meetings)
- Issues on Rel99 and before
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Issues on Release 5 (1/2)

- In addition to mirror CRs of R99 and Rel4 changes:
 - Architecture (TS 23.002):
 - Alignment with 33.210 (removal of text describing roaming agreements in the description of the SEG)
 - UMTS QoS (TS 23.107)
 - The Maximum and Guaranteed bitrate attribute value ranges has been updated for HSDPA and notes on the GERAN capabilities are introduced.
 - Handling of priority for signaling PDP context
 - Early UE (TS 23.195)
 - Clean up of figures
 - Introduction of GERAN lu mode
 - Physical location of FIB function
 - Handling of RANAP-BSSMAP issues

Issues on Release 5 (2/2)

- **Architecture Requirements (TS 23.221):**
 - Clarification on service domains to make it clear that e.g. it is allowed to have a single APN for IM and PS services
- **IMS (TS 23.228):**
 - Clarification that the I-CSCF always routes terminating sessions to a S-CSCF
 - Recommendations to ensure that R5 UE's can interoperate with external SIP Network as defined in R6
 - Clarification on the P-CSCF location
 - Removal of the mentioning of “cause codes” in relation to SIP signaling
- **LCS Stage 2 (TS 23.271):**
 - Correction of a reference

- General aspects (Leadership, events since SA#20, statistics, next meetings)
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Rel-6 work item status (1/6)

- **Presence Stage 2**
 - Clarifications on Call (CS domain) and Session Management (PS domain) states
- **MBMS Stage 2**
 - TS 23.246 is presented to SA#21 for approval
- **Push Services Stage 2**
 - TR 23.976 is presented to SA#21 for information
- **Network Sharing Stage 2**
 - TR 23.851 is presented to SA#21 for information
- **System architecture TS 23.002**
 - Nothing this time

Rel-6 work item status (2/6)

- **Location Services Stage 2**
 - 14 CRs agreed on TS 23.271:
 - E.g. Emergency services related changes, Privacy related corrections, addition of validity time for the UE, location estimate in the change of area event LDR procedure, synchronous & asynchronous procedures in GMLC, Updated references and clearing editors notes
- **GUP Stage 2 TS 23.240**
 - CR's on alignment with Liberty Alliance, correction of Rg reference point and addition of discovery service
- **PS Domain and IM CN Subsystem support for IMS Emergency sessions**
 - TR 23.867 progressing well with many contributions

Rel-6 work item status (3/6)

- **IMS Phase 2**
 - 12 CRs agreed to TS 23.228:
 - E.g. on messaging, Interworking with IPv4 and PSTN, Handling of PSI's, session refreshment
- **IMS Commonality and Interoperability**
 - Nothing this time (see also IPv4 item)
- **Radio optimisation impacts on PS domain architecture**
 - No contributions received on this topic
 - It is proposed that TR 21.877 is discontinued and that the WID is removed from the work plan
- **OSA/User data management**
 - No contributions have been received at SA2

Rel-6 work item status (4/6)

- **Policy control/Gq in Release 6:**
 - TR 23.917 is presented to SA#21 for information
- **GPRS Stage 2**
 - Rel-6 changes to TS 23.060:
 - Control of compression from GGSN
 - Preservation of realtime bearers in A/Gb mode (R6 mirror CR, the R5 change was approved at SA#20)
 - Update of BSS Packet Flow Context Procedure and Addition of BSS initiated BSS packet flow context deletion to align with GERAN
- **IP Flow Based Bearer Charging Evolution**
 - TR 23.825 is presented to SA#21 for information

Rel-6 work item status (5/6)

- **WLAN**

- A “show of hands” was held at SA2#34 in order to resolve the deadlock situation on the tunneling solutions for scenario 3
- A majority (14 vs. 8 hands) of the group preferred the end-to-end tunneling solution over the tunnel switching solution
- TS 23.234 has been updated to include scenario 2 and the end-to-end tunneling solution for Scenario 3
- It was agreed (with 4 objections) that TS 23.234 shall be sent to SA#21 for approval

- **BARS**

- The work on BARS (Bandwidth And Resource savings and Speech enhancements for CS networks)
- TR 23.977 started and the scenarios identified

Rel-6 work item status (6/6)

- **IPv6 and IPv4 related issues**
 - SA2 has agreed a new WID (SP-030385) to study Interworking aspects and migration scenarios for IPv4 based IMS Implementations
 - 3GPP IMS uses exclusively IPv6. At the same time, it is understood that there will exist IPv4 based IMS implementations, namely initial IMS implementations and IMS implementations based on 3GPP2 specifications
 - The purpose of the work item is to study interworking and migration scenarios related to IPv4 based IMS implementations. The study intends to provide guidelines for operators and vendors on interworking aspects of IPv4 based IMS implementations, and intends to provide guidelines on migrating to 3GPP IMS using IPv6

- General aspects (Leadership, events since SA#18, statistics, next meetings)
- Issues on Rel99 and before
- Issues on Release 4
- Issues on Release 5
- Progress and issues on Release 6
- • Actions expected from SA#21 by S2

Actions expected from SA#21 by SA2 (1/5)

Presentation for information:

- **TR 23.917 v1.0.0 on “Policy Control”
in SP-030386**
- **TR 23.976 v1.0.0 on “Push Architecture”
in SP-030387**
- **TR 23.851 v1.0.0 on “Network Sharing”
in SP-030388**
- **TR 23.825 v1.0.0 on “Architectural aspects on Charging”
in SP-030389**

Actions expected from SA#21 by SA2 (2/5)

Presentation for approval:

- **TS 23.246 v2.0.0 on “MBMS”
in SP-030390**
- **TS 23.234 v2.0.0 on “WLAN interworking”
in SP-030391**

Actions expected from SA#21 by SA2 (3/5)

Approval of the following CRs (1/2):

- **23.002 (Network Architecture):**
 - CR list in SP-030374
- **23.060 (GPRS/PS domain stage 2):**
 - CR list in SP-030375
- **23.107 (QoS):**
 - CR list in SP-030376
- **23.195 (Early UE handling)**
 - CR list in SP-030377
- **23.207 (End to end QoS):**
 - CR list in SP-030378
- **23.221 (Architecture Requirements)**
 - CR list in SP-030379

Actions expected from SA#21 by SA2 (4/5)

Approval of the following CRs (2/2):

- **23.228 (IMS Stage 2):**
 - CR list in SP-030380
- **23.240 (GUP stage 2):**
 - CR list in SP-030381
- **23.271 (LCS Stage 2):**
 - CR list in SP-030382
- **23.141 (Presence):**
 - CR list in SP-030398

Actions expected from SA#21 by SA2 (5/5)

- **New WIDs for approval:**
 - WID on "Impacts of Speech Enabled Services on IMS, PS and CS domains" **in SP-030383**
 - WID on "3GPP Enablers for services like Push to Talk over Cellular (PoC)" **in SP-030384**
 - WID on "Interworking aspects and migration scenarios for IPv4 based IMS Implementations" **in SP-030385**



That's all, folks.

Thank You!

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