

3GPP TSG-SA Meeting #27  
Tokyo, Japan, 14-17 March 2005

SP-050103



# ***TSG-SA WG2 report at TSG SA #27***

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and  
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# *General aspects (1/6)*

## SA2 Leadership changes:

- **Chairman**
  - Magnus Olsson (Ericsson)
  - Re-elected at SA2#44
- **Vice Chairs**
  - Wenlin Zhang (Huawei)
  - Frank Mademann (Siemens)
  - Both elected at SA2#44
- **MCC support**
  - David Boswarthick

## ***General aspects (2/6)***

### **SA2 drafting sessions held during SA2#42 and #43:**

- MBMS, chaired by Andre Jarvis (3)
- WLAN, chaired by Mark Montz (HP)
- FBC, chaired by Yun Chao Hu (Ericsson)
- E2E QoS, chaired by Robert Jaksa (Huawei)

**E-mail discussions monitored by Frank Mademann (Ericsson).**

***SA2 Vice-Chairs: Aki Noda and Alexander Milinski***

***THANKS TO ALL OF THEM !!***

## *General aspects (3/6)*

### Meetings since TSG-SA #26

- TSG-SA WG2 plenary meeting:
  - SA2#44 in Budapest, Hungary, 26 January – 2 February, hosted by EF3

# *General aspects (4/6)*

## **Statistics at SA2#44:**

- **Around 100 delegates attended the meeting**
- **Around 500 temporary documents handled, among them:**
  - 30 incoming LSs
  - 25 outgoing LSs
  - 50 CRs
- **876 people registered on the SA2 e-mail reflector on March 2<sup>nd</sup>.**

# *General aspects (5/6)*

## Next SA2 meetings:

- **SA2#45: 4 – 8 April, 2005**
  - Beijing, China
  - Hosted by Huawei
- **SA2#46: 9 - 13 May, 2005**
  - Athens, Greece
  - Hosted by EF3



## *General aspects (6/6)*

### Planned SA2 meetings for 2005:

- SA2 #47: June 27 – July 1, NA
- SA2 #48: September 5 – 9, ETSI
- SA2 #49: November 7 - 11, Asia

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# *Issues on Release 5 and before*

- **GPRS (TS 23.060)**
  - The description of the RAN Information Management (RIM) procedures in 23.060 are aligned with the description in 48.018 to avoid any discrepancies
    - Note that the corresponding Release 6 CR is not a pure mirror as the RIM procedures apply also to lu in R6
  - The requirement to not allocate packet flow IDs when the BSS is not supporting the PFC procedures is removed to avoid non-deterministic usage of PFC procedures.

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# *Issues on Release 6*

- **Overall Architecture (TS 23.002)**
  - Addition of the I-WLAN Wx and D/Gr interfaces to the description of the HSS and correction of the D'/Gr/ interface description.
  - Generalization of the SLF function (to cover I-WLAN) and removal of WLAN charging reference points and entities.
- **GPRS Stage 2 (TS 23.060)**
  - Update of IETF references
  - Clarification on Network Sharing triggered redirection
- **OSA stage 2 (TS 23.127)**
  - SA2 has agreed to delete TS 23.127 from Release 6 and onwards as the new CN5 specification TS 23.198 includes all relevant parts of OSA/VHE stage 2.
  - This decision is conditional on the approval of TS 23.198 at CN#27.

# Issues on Release 6

- **IP Flow Based Bearer Level Charging (TS 23.125)**
  - **11 CRs agreed on corrections related to e.g.:**
    - Introduction of predefined handling in TPF
    - Check of AF's subscription
    - Application Function Record information
    - Removal of the restriction that AF must know UE IP address
    - FBC flows for bearer event reporting
    - Update of Annex B.4
    - Updates to service data flow identification
    - FBC for MBMS, collection of statistics
    - Indication of Charging Unit
    - Editorial and readability amendments
    - Removal of the Ry reference point
      - Conditionally approved requesting CN3 feedback
      - Positive feedback from CN3 in N3-050193

# *Issues on Release 6*

- **IMS Phase 2 (TS 23.228)**
  - Corrections to the Network initiated Application de-registration
  - Correction to the Refer operation
  - Editorial corrections in the identity procedures
  - Corrections for errors introduced in 23.228 reorganization
  - Corrections to flow for codec change
  - Update of reference to TEL URI RFC 3966
  - SBLP interactions correction
- **WLAN (TS 23.234)**
  - Removal of Obsolete Annexes
  - Charging in WAG
  - Correction of Requirements for 3GPP PS based services
  - Removal of subscriber information
  - Addition of the functionality of subscriber profile updating

# *Issues on Release 6*

- **GUP Stage 2 (TS 23.240)**
  - Use of Discovery Service as Trusted Authority
- **MBMS Stage 2 (TS 23.246)**
  - Alignment of BM-SC sub functions to MBMS User Service level (SA4 & SA3)
  - MBMS use of FBC
  - Correction of the MBMS Multicast Service Deactivation procedure
  - Providing the BM-SC with approximate UE location information at MBMS context activation



## *Issues on Release 6*

- **Network Sharing (TS 23.251)**
  - **Correction of references**
- **Location Services Stage 2 (TS 23.271)**
  - **Velocity Request and Reporting**
  - **Clarification of LDR reference number**
  - **Correction in Location Report Procedure**

## ***Issues on Release 6***

- **CS Voice and Video (TR 23.903)**
  - **Correction of the sequence of events in “fallback from video to voice” message sequence**
- **PoC (TR 23.979)**
  - **Clarification of Charging Correlation**
  - **Clarification on the QoS of pre-established PDP context**
  - **Alignment with OMA architecture**
- **IPv4 based IMS implementations (TR 23.981)**
  - **Clarification of P-CSCF discovery**

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# *Issues on Release 7*

- **Access Class Barring and Overload Protection (TR 23.898)**
  - SA2 has concluded that a subset of the functionality can be recommended to be implemented in the specifications
    - Domain Specific Access Class Barring (DSAC)
    - Correction of the load re-distribution capability of RAN nodes and the handling of CN node failure in the Iu-Flex configuration
  - Other (complementary) functionality needs further study.
  - TR 23.898 is sent to SA#27 for approval

# *Issues on Release 7*

- **Combination of CS and IMS (TR 23.899)**
  - TS 23.279 is presented to SA#27 for information
  - TS 23.279 includes the first phase of Combining CS and IMS services and a capability detection mechanism
  - It is expected that 23.279 can be approved at SA#28
- **PS domain and IMS impacts for supporting IMS Emergency calls (TR 23.867)**
  - The IMS level impacts are progressed to meet ETSI TISPAN deadline
  - SA2 would benefit from further understanding of the TISPAN architecture/requirements to ensure that the emergency call solution is appropriate

# *Issues on Release 7*

- **Study on E2E QoS Enhancements (TR 23.802)**
  - The study is progressing with descriptions of different architecture options. The remaining work is to mature relevant options and conclude on which option(s) to specify.
  - Some companies felt that the TR was ready to be presented for information at SA#27, but others did not and it was agreed to not present the TR for information.
  - The completion of the study will depend on when the conclusion/recommendation is available. This may or may not be ready in June 2005.
- **SMS and MMS over generic IP access (TR 23.804)**
  - TR 23.804 is presented for information to SA#27
  - Estimated completion date is June 2005

# *Issues on Release 7*

- **Selective disabling**
  - SA2 believes that there is a need to study different architecture options for selective disabling
  - Hence it is proposed to update the SA1 Selective disabling WID to cover also the necessary stage 2 work
- **FS on applicability of GALILEO for LCS**
  - SA2 has asked other WGs for feedback on the study but has not received anything (since May 2003)
  - No contributions received in SA2 (since May 2003)

# *Issues on Release 7*

- **Policy Control Evolution (TR 23.803)**
  - The R6 work on Flow Based Charging and policy control are now finalised and the focus has switched to the R7 study on Policy Control Evolution.
  - The TR 23.803 is progressing well and is planned to be complete by December 2005



# *Issues on Release 7*

- **3GPP System Architecture Evolution**
  - The work has started and a skeleton for the TR is agreed
  - It is agreed that the RAN/CN functional division should be resolved as soon as possible in cooperation with the RAN WGs
  - An SA1/SA2 joint session on All-IP is planned in April

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## *Actions expected from SA#27 by SA2 (1/5)*

- **Presentation for approval:**
  - TR 23.898, "Access Class Barring and Overload Protection", Version 2.0.0 in **SP-050116**
- **Presentation for information:**
  - TR 23.804 "Support of SMS and MMS over generic 3GPP IP access", Version 1.0.0 in **SP-050117**
  - TS 23.279 "Combining CS and IMS services ", Version 1.0.0 in **SP-050118**

## *Actions expected from SA#27 by SA2 (2/5)*

### **Approval of the following CRs (1/3):**

- **23.002 (Overall Architecture):**
  - CR list in **SP-050104**
- **23.060 (GPRS/PS domain stage 2):**
  - CR list in **SP-050105**
- **23.125 (IP flow based charging):**
  - CR list in **SP-050106**
- **23.228 (IMS Stage 2):**
  - CR list in **SP-050107**

## *Actions expected from SA#27 by SA2 (3/5)*

### Approval of the following CRs (2/3):

- **23.234 (WLAN interworking):**
  - CR list in **SP-050108**
- **23.240 (GUP stage 2):**
  - CR list in **SP-050109**
- **23.246 (MBMS Stage 2):**
  - CR list in **SP-050110**
- **23.251 (Network Sharing)**
  - CR list in **SP-050111**

## *Actions expected from SA#27 by SA2 (4/5)*

### **Approval of the following CRs (3/3):**

- **23.271 (LCS Stage 2):**
  - CR list in **SP-050112**
- **23.903 (Redial solution for voice-video switching):**
  - CR list in **SP-050113**
- **23.979 (3GPP enablers for PoC services):**
  - CR list in **SP-050114**
- **23.981 (IPv4 based IMS Implementations):**
  - CR list in **SP-040115**

## *Actions expected from SA#27 by SA2 (5/5)*

- **New WIDs for approval:**
  - WID on LCS enhancements in **SP-050119**
  - WID on Voice call continuity between CS and IMS (incl. I-WLAN) in **SP-050120**
  - WID on Enhancement of I-WLAN Scenario 3 in **SP-050121**
- **Proposed update of SA1 WID:**
  - Proposed update of SA1 WID on Selective Disabling of UE capabilities in **SP-050122**



**That's all, folks.**

**Thank You!**

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## *Abbreviations*

<b>NI-LR</b>	<b>Network Induced Location Request</b>
<b>DTM</b>	<b>Dual Transfer Mode</b>
<b>IMEISV</b>	<b>International Mobile station Equipment Identity and Software Version Number</b>
<b>FBC</b>	<b>Flow Based Charging</b>
<b>PUA</b>	<b>Presence User Agent</b>
<b>BARS</b>	<b>Bandwidth And Resource Savings in cs networks</b>
<b>MRFP</b>	<b>Multimedia Resource Function Processor</b>
<b>SMLC</b>	<b>Serving Mobile Location Center</b>
<b>SAS</b>	<b>Stand-Alone SMLC</b>
<b>NA-ESRD</b>	<b>North American Emergency Services Routing Digits <sup>TM</sup></b>

See also 3GPP TS 21.905