TSG-SA WG2 report at TSG SA #24

Magnus Olsson, SA2 Chairman

and

Sang-Ui Yoon, MCC (SA2 Support)

Content

- **General aspects (events since SA#23, statistics, next meetings)**
- **Issues on Rel99 and before**
- **Issues on Release 4**
- **Issues on Release 5**
- **Progress and issues on Release 6**
- **Issues on Release 7**
- **Actions expected from SA#24 by SA2**

➔ • *General aspects (Events since SA#23, statistics, next meetings)*

• **Issues on Rel99 and before**

• **Issues on Release 4**

• **Issues on Release 5**

• **Progress and issues on Release 6**

• **Issues on Release 7**

• **Actions expected from SA#24 by S2**

General aspects (1/5)

Meetings since TSG-SA #23

- **TSG-SA WG2 plenary meetings:**
  - **SA2#39 in Shenzhen/China, 19~23 April, hosted by ZTE Corporation**
  - **SA2#40 in Sophia Antipolis/France, 17~21 May, hosted by ETSI**

General aspects (5/5)

Statistics at SA2#39 and SA2#40:

- **Around 80 delegates attended each meeting**

- **Around 1.000 temporary documents handled, among them:**
  - **115 incoming LSs**
  - **45 outgoing LSs**
  - **461 CRs (including revisions)**

- **861 people registered on the SA2 e-mail reflector on June 1st.**

General aspects (2/5)

SA2 drafting sessions held during SA2#39 & SA2#40:

- **LCS, chaired by Mr. Gavin Wong (Vodafone)**
- **MBMS, chaired by Antti Pasanen (Nokia)**
- **WLAN, chaired by Mr. Nicolas Martiquet (Orange)**
- **Charging, chaired by Dr. Alexander Milinski (Siemens)**
- **Network sharing, chaired by Dr. Ulf Nilsson (TeliaSonera)**
- **CS Voice and Video, chaired by Mr. Chris Pudney (Vodafone)**
- **Access Class Barring, chaired by Mr. Jean-Jacques Davidian (NTT DoCoMo) at SA2 #39**
- **IPv4 migration, chaired by Dr. Alexander Milinski (Siemens) at SA2 #40**

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 meeting:

- **SA2 #41: 16 - 20 August, 2004**
  - **Montreal, Canada**
  - **Hosted by American Friends of 3GPP**

General aspects (4/5)

SA2 Meeting Plan for 2004:

- **SA2 #42: Sophia Antipolis/France, hosted by ETSI, 11 - 15 October, 2004**

- **SA2 #43: Korea, hosted by Samsung, 15 - 19 November, 2004**

- **General aspects (Events since SA#23, statistics, next meetings)**

➔ - ***Issues on Rel99 and before***

- **Issues on Release 4**

- **Issues on Release 5**

- **Progress and issues on Release 6**

- **Issues on Release 7**

- **Actions expected from SA#24 by S2**

Issues on Rel99 and before

- ## LCS (03.71)

  - **R99 CR to correct the interpretation of the LCS functional stage 2 in TS 23.271 and operation of the Location Request procedure. The CR corresponds to changes in GERAN specifications and aligns UTRAN and GERAN specifications. No mirror CRs for later releases.**

- **General aspects (Events since SA#23, statistics, next meetings)**
- **Issues on Rel99 and before**

➔ - ***Issues on Release 4***
- **Issues on Release 5**
- **Progress and issues on Release 6**
- **Issues on Release 7**
- **Actions expected from SA#24 by S2**

Issues on Release 4

- **Nothing R4 specific this time**

- **General aspects (Events since SA#23, statistics, next meetings)**
- **Issues on Rel99 and before**
- **Issues on Release 4**

➔ - ***Issues on Release 5***

- **Progress and issues on Release 6**
- **Issues on Release 7**
- **Actions expected from SA#24 by S2**

Issues on Release 5

- **Early IMS Implementation (TS 23.221):**
  - **Clarification that while IMS is designed for exclusive use of IPv6, early IMS implementations and deployments may use IPv4.**

- **LCS (TS 23.271)**
  - **Clarifications regarding the non-dialable callback number in general and the NI-LR using Location Based Routing procedure. No R6 mirror CR.**

- **General aspects (Events since SA#23, statistics, next meetings)**
- **Issues on Rel99 and before**
- **Issues on Release 4**
- **Issues on Release 5**
- ➔ *Progress and issues on Release 6*
- **Issues on Release 7**
- **Actions expected from SA#24 by S2**

Rel-6 work item status (1/8)

- **Architecture (TS 23.002)**
  - **Introduction of WLAN functional elements and reference points**
  - **Introduction of Presence Service Configuration**
  - **Correction on the scope of the Ut reference point**
  - **Addition of the Lr reference point**

- **GPRS Stage 2 (TS 23.060)**
  - **Correction of SDL diagram**
  - **It is clarified that IMEISV shall be sent over Gs for ADD**

- **VHE/OSA Stage 2 (TS 23.127)**
  - **Addition of OSA high level abstraction interfaces**
  - **It is also proposed to move the responsibility for TS 23.127 to TSG CN WG5, see LS.**

Rel-6 work item status (2/8)

- **IP Flow Based Bearer Level Charging (TS 23.125)**
    - **28 CRs agreed on additions,modifications and corrections related to:**
        - **Charging Rules**
        - **Time based Charging**
        - **Policy functions**
        - **Message flows**
        - **General corrections and clarifications**
        - **etc**
    - **Overall architecture for FBC is completed**
    - **The study on providing policy control with FBC is aimed to be ready at SA#25**

- **Presence (TS 23.141)**
    - **4 CRs agreed on e.g.:**
        - **Move of Annex B to the main body**
        - **Level of support in the Presence NW Agent**
        - **Correction of reference and removal of misleading example**

Rel-6 work item status (3/8)

- **Architectural Requirements (TS 23.221)**
  - **Clarification on PDP context handling**
  - **CR on Early IMS implementations, see IPv4 based IMS implementations**

- **IMS Phase 2 (TS 23.228)**
  - **14 CRs agreed on additions, modifications and corrections related to:**
    - **Session based messaging additions and corrections**
    - **Definition of Private User Identity**
    - **Identity sharing**
    - **Registration information and events**
    - **Generalization of IPv4-IPv6 interworking**
    - **Etc.**
  - **IMS Messaging is not complete but stage 2 is estimated to be ready by the next meeting**

Rel-6 work item status (4/8)

- **WLAN (TS 23.234)**
  - **22 CRs agreed on additions, modifications and corrections related to:**
    - **SMS over IP**
    - **WLAN UE Classes**
    - **Routing enforcement**
    - **Charging**
    - **General corrections and clarifications**

- **GUP Stage 2 (TS 23.240)**
  - **Clarification that the GUP sever is in the home NW and that Rp is an intra-operator interface**
  - **Removal of editors note and addition of an example**
  - **Clarification on GUP authentication failure**
  - **Clarification of requirement for component location management**

19

Rel-6 work item status (5/8)

- **MBMS Stage 2 (TS 23.246)**
  - **10 CRs agreed:**
    - **Addition of session duration on broadcast session start**
    - **Relation to flow based charging**
    - **Notification of incoming call/session during MBMS session**
    - **Additions to the MBMS bearer context**
    - **Corrections,clarifications and removal of some FFS**
    - **Etc**
- **Location Services Stage 2 (TS 23.271)**
  - **9 CRs agreed:**
    - **E112 support and clarifications on the SIM-less emergency case**
    - **Clarification on the information storage**
    - **Clarifications of the privacy check procedure**
    - **Enhancement on MO-LR**
    - **Clarifications regarding the V-GMLC address**
    - **Etc**

Rel-6 work item status (6/8)

- **Network Sharing stage 2**
  - **5 CRs on TR 23.851:**
    - **Clarification on the Gs Usage and on the CN operator Id usage in the MSC/SGSN**
    - **Further details on the RAN centric solution and the CN centric solution**
    - **Etc.**
  - **TS 23.251 is sent for information and approval**

- **Push Services (TR 23.976)**
  - **A CR to add the conclusion agreed at SA#23**

- **BARS (TR 23.977)**
  - **TR 23.977 is sent for approval**

Rel-6 work item status (7/8)

- **PoC (TR 23.979)**
  - TR 23.979 is sent for information
  - It is estimated that SA2 can stabilize the TR by SA#26
  - Progress is dependant on further stabilisation of the OMA PoC AD

- **IPv4 based IMS implementations**
  - TR 23.881 is converted to TR 23.981
  - TR 23.981 is sent for approval
  - An R6 23.221 CR to include a reference to 23.981 is agreed
  - An R5 23.221 CR is also agreed, but without the explicit reference as 23.981 is an R6 TR
  - The WID is updated to reflect the agreements above and SA2 believes that this completes the actions given at the last SA#23
  - It is also proposed to send the approved TR 23.981 in an LS to GSMA

Rel-6 work item status (8/8)

- **CS Voice and Video**
  - **TR 23.801 is sent for information**
  - **It is recommended to work on "idle mode re-dial" as a short term solution and to continue to study SCUDIF as longer term solution**
  - **The WID is updated to include a new TR to document the Redial solution**

- **Gq and Policy control evolution**
  - **5 CRs agreed on TS 23.207 e.g.:**
    - **New authorization rejection procedure**
    - **AF capabilities**
    - **Clarifications on that Gq is Intra domain for IMS and general corrections**
    - **Etc.**
  - **It is proposed to discontinue TR 23.917 (the agreed parts are already included TS 23.207)**

- **General aspects (Events since SA#23, statistics, next meetings)**
- **Issues on Rel99 and before**
- **Issues on Release 4**
- **Issues on Release 5**
- **Progress and issues on Release 6**
- ➔ *Issues on Release 7*
- **Actions expected from SA#24 by S2**

Issues on Release 7

- **Access Class Baring and Overload Protection**
  - **TR 23.898 is sent for information**
  - **The WID is updated**

- **Combination of CS and IMS (TR 23.899)**
  - **The TR 23.899 is started**
  - **The TR scope has been extended and the SA2 WID has been revised to clarify the extended scope**
  - **SA2 also notice that SA1 has created a related WID**
  - **As the relation between the SA1 and the SA2 WID was unclear, SA2 has also proposed one way of combining SA1 and SA2 WID**

Not yet complete Release 6 items

- **PS domain and IMS impacts for supporting IMS Emergency calls**
  - **SA2 estimated completion date November**
  - **Will not make R6**

- **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)**

Not yet complete Release 6 items

- **IMS Messaging**
  - **IETF dependency, some more category B CRs are expected**
  - **SA2 Completion date estimated to August**
- **3GPP Enablers for services like Push to Talk over Cellular (PoC)**
  - **SA2 expects to deliver the PoC TR for approval at the December SA plenary**
  - **Progress is dependant on further stabilisation of the OMA PoC AD**

Not yet complete Release 6 items

- **Service Based Local Policy for non-realtime services**
    - There is still some open issues on if and how to apply SBLP for services like IMS messaging and PoC
    - SA2 plans to adress these issue at the next SA2 meeting in August
- **Network Sharing**
    - TS 23.251 is sent to SA#24 for approval
    - SA2 expects some more cat B CRs and estimates to complete the TS 23.251 by SA#25

Not yet complete Release 6 items

- **Overall architectural aspects of IP flow based bearer level charging**
  - The overall definition of the architecture is complete
  - The study on providing policy control with FBC is ongoing and is estimated to be completed by SA#25

- **CS Video and Voice Service Improvements**
  - TR 23.801 sent for information to SA#24, expected to be complete at SA#25
  - The new redial TR is planned to be complete SA#26

29

- **General aspects (Events since SA#23, statistics, next meetings)**
- **Issues on Rel99 and before**
- **Issues on Release 4**
- **Issues on Release 5**
- **Progress and issues on Release 6**
- **Issues on Release 7**

➔ - ***Actions expected from SA#24 by S2***

Actions expected from SA#24 by SA2 (1/6)

- **Presentation for information:**
  - **TR 23.898, "Access Class Barring and Overload Protection", Version 1.0.0 in SP-040332**
  - **TR 23.979, "3GPP enablers for OMA PoC Services", Version 1.0.0 in SP-040333**
  - **TR 23.801, "Potential Mechanisms for CS Domain Video and Voice Service Improvements", Version 1.0.0 in SP-040336**

Actions expected from SA#24 by SA2 (2/6)

Presentation for approval:

- TR 23.977, "Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS)", version 2.0.0 in SP-0400334

- TS 23.251, "Network Sharing", Version 2.0.0 in SP-040335

- TR 23.981, "Interworking aspects and migration scenarios for IPv4 based IMS Implementations", Version 2.0.0 in SP-040337

Actions expected from SA#23 by SA2 (3/6)

Approval of the following CRs (1/3):

- **23.002 (Network Architecture):**
  - CR list in SP-040312

- **23.060 (GPRS/PS domain stage 2):**
  - CR list in SP-040313

- **23.125 (IP flow based charging):**
  - CR list in SP-040314

- **23.127 (OSA stage 2)**
  - CR list in SP-040315

- **23.141 (Presence):**
  - CR list in SP-040316

Actions expected from SA#23 by SA2 (4/6)

Approval of the following CRs (2/3):

- **23.207 (End to End QoS)**
  - CR list in **SP-040317**

- **23.221 (Architecture Requirements):**
  - CR list in **SP-040318**

- **23.228 (IMS Stage 2):**
  - CR list in **SP-040319**

- **23.234 (WLAN interworking):**
  - CR list in **SP-040320**

- **23.240 (GUP stage 2):**
  - CR list in **SP-040321**

Actions expected from SA#23 by SA2 (5/6)

Approval of the following CRs (3/3):

- **23.246 (MBMS Stage 2):**
  - **CR list in SP-040322**

- **03.71 and 23.271 (LCS Stage 2):**
  - **CR list in SP-040323**

- **23.851 (Network Sharing):**
  - **CR list in SP-040324**

- **23.976 (PUSH stage 2):**
  - **CR list in SP-040325**

Actions expected from SA#23 by SA2 (6/6)

- **Updated WID for approval:**
  - <u>Updated WID</u> for **Interworking aspects and migration scenarios for IPv4 based IMS Implementations (Study) in SP-040327**
  - <u>Updated WID</u> on **Circuit Switched Video and Voice Service in SP-040331**
  - <u>Updated WID</u> on **3GPP Access Class Barring and Overload Protection in SP-040338**
  - <u>Revised WID</u> on **Combining CS bearers with IMS in SP-040330**
  - **SA2 proposal on merge of SA2 WID Combining CS bearers with IMS with SA1 WID Adding media to CS calls and IPMM sessions in SP-040329**

- **New WID for approval:**
  - <u>New WID</u> on E2E QoS Enhancements **in SP-040326**
  - <u>New WID</u> on IMS Enhancements for NGN **in SP-040328**

That's all, folks.

Thank You!