TSG-SA WG2 report at TSG SA #13

SA2 Chairman and SA2 MCC Support

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- **General aspects (events since SA#12, statistics, next meetings)**
- **Issues on Rel99 and before**
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- **Other S2 activities**
- **Actions expected from SA#13 by S2**

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General aspects (1/5)

Events since TSG-SA #12 plenary

- **SA2 has met once as "SA2 plenary":**
  - **SA2#19 in Sophia Antipolis, France, 27th to 31th of August, hosted by ETSI**

- **One "important" drafting meeting on IMS held in Dallas on 25th –29th June**

General Aspects (2/5)

- **In addition, several ad-hoc meetings and joint meetings have taken place on:**
  - **Joint meeting with GERAN/SA2, 1-3 August, Helsinki, Finland**
  - **Joint meeting with SA5 and SA1 on IMS Charging, 30 August, Sophia Antipolis, France**
  - **Joint meeting with SA1 & T2 on Push Services, 5-6 July, London, U.K.**
  - **Iu-Flex conference calls on 3rd and 5th July**
  - **Drafting sessions in SA2#19 in Sophia-Antipolis:**
    - **IMS**
    - **QoS**
    - **Iu-flex**
    - **VHE/OSA**
    - **LCS**
    - **Push**
    - **Presence**

General aspects (3/5)

Activities of the recent SA2 drafting sessions:

- **VHE/OSA, chaired by Christophe Gourraud (Ericsson)**
- **QoS session, chaired by Oscar Lopez-Torres (Motorola)**
- **LCS, chaired by J. Kall (Nokia)**
- **Iu-flex, chaired by Stephen Terrill (Ericsson)**
- **Push services, chaired by Steven Dutnall(AWS) / Nobuyuki Uda (NTT Comware)**
- **Drafting on IMS topics in the SA2#19, chaired by Ms. Bonnie Chen (Motorola)**

Again, a lot of work handled by e-mail, and monitored by Mr. A. Noda!

GREAT THANKS TO ALL OF THEM !!

General aspects (4/5)

Next S2 meetings:

- **Drafting on IMS, October 8-12 (AWS, Vancouver, CA)**

- **S2#20, October 29- November 2 (J-Phone, Kobe, Japan)**

- **S2#21: 26-30 November (North American Friends of 3GPP, Cancun, Mexico)**

- **S2#22: 14 to 18 January (AWS, South-West of US)**

- **S2#23: 18 to 22 February (no host)**

- **S2#24: 22 to 26 April (potential host, Europe)**

- **S2#25: 24 to 28 June (Nokia, Finland)**

- **S2#26: 19 to 23 August (potential host, Canada)**

- **S2#27: 7 to 11 October**

- **S2#28: 11 to 15 November (Asia)**

General aspects (5/5)

Statistics

Around 130 delegates participated to SA2#19.

In addition, more than 1000 people are registered on the SA2 e-mail list.

SA2 has handled 500 temporary documents at SA2#19, and 2500 this year

Liaison Statements:

- **SA2 received 79 LSs at SA2#19**
- **SA2 sent 24 LSs from SA2#19**

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Issues on Rel99 and before

Corrections on:

- **03.60 and 23.060 (GPRS/PS domain stage 2)**
- **03.71 and 23.171 (LCS)**

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Issues on Release 4

Stabilisation of the TSs for Rel4: corrections on

- **23.271 (LCS stage 2 for Rel4)**

- **23.060 (GPRS Stage 2)**

- **23.107 (QoS in UMTS Stage 2)**

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IMS Issues on Release 5

- **Mirror CRs to Rel5 of Rel99 and Rel4 CRs (on 23.107, 23.271). Some updates on 23.002, 23.207 and 23.221.**

- **Still many CRs on 23.228.**

- **Ongoing Rel-5 IMS discussions in the SA2:**
  - **IMS Charging Architecture**
  - **Flows for local services**
  - **Solution for IMS related signalling (Signalling PDP context)**
  - **Solution for IMS Emergency calls**
  - **Solution for GERAN optimised voice**
  - **MRF**
  - **Presence**

IMS: Progress / Recent decisions

- **SIP compression completed from SA2 point of view:**
  - **Location of the compressing/decompressing entity and negotiation**

- **ISC interface completed from the SA2 point of view:**
  - **SIP to be used as the protocol**

- **MRF architecture**
  - **Split into control and user plane function**

- **Authentication aspects and Policy Control Function Stage 2 completed**

- **Emergency calls, local services, etc. have progressed**

Other discussions items: DSR

- **Distributed Speech Recognision (DSR)**
  - **A few conference calls held plus an email discussion**
  - **No officially SA2 approved input to SA#13, but discussion on the SA2 email exploder regarding the SA1 WID sheet**
  - **Supporting companies were requested to bring their comments on the SA1 DSR WID to SA#13 directly**

Other discussions items: Push

- **SA2 work on push has focused on the general architecture model and GPRS level bearer establishment considerations (not standardising the Push service/protocols itself).**
  - **Three solutions described in the TR: 1. Always-on 2. Session initiation using SMS (via the WAP Forum developed Session Initiation Request SIR); and 3. Network requested PDP context activation with dynamic IP address allocation**

- **SA2 TR on Push Services is presented for approval:**
  - **There is an agreement on the WAP 2.0 based solution. However, at this stage it has not been possible to reach a conclusion on which of the three potential solutions for the establishment of the bearer should be adopted as stage 1 requirements have not yet been fully defined yet. Specifically, there was no agreement to introduce a new GPRS bearer level feature called NRPCA (show of hands indicated the 20 companies were objecting and 10 were in favour of NRPCA).**

- **SA2 agreed to forward the TR for approval to SA#13. Further work on the push services stage 2 can be conducted once SA1 requirements work gets ready.**

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Other S2 activities (1/2)

- **Stage 2 of "Intra Domain connection of RAN nodes to multiple CN nodes" (or "Iu flex") in TS 23.236 is presented for approval in SP-010507 (S2-012410).**

- **The Stage 2 for Push services: TR 23.974 presented for approval in SP-010508 (S2-012417).**

Other S2 activities (2/2)

- **LSs:**
  - **No LS from SA2 to SA plenary**

- **Revised/new WIDs:**
  - **S2 has clarified its involvement in MBMS and Presence**
  - **As a result of the SA1-SA2-SA5 joint meeting on IMS charging, a WI is proposed for SA2's activities with regards to IMS Charging:**
    - **SA2 will study the charging impacts of the IMS architecture and a high-level IMS Charging architecture model (together with SA5). After that, the responsibility of the IMS charging work will be transferred into the SA5.**
  - **As requested by SA#12, S2 has clarified the Rel-5 LCS work item (i.e, the BBs of LCS in Rel5).**

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Actions expected from SA#13 by SA2 (1/4)

Presentation for approval:

- **TS 23.236 v.2.0.0 of "Intra Domain connection of RAN nodes to multiple CN nodes" in SP-010507**

Actions expected from SA#13 by SA2 (2/4)

Presentation for approval:

- **TR 23.974 v.2.0.0 on "Stage 2 for Push services" in SP-010508.**

Actions expected from SA#13 by SA2 (3/4)

Approval of the following CRs:

- **On 03.60 and 23.060 (GPRS/PS domain stage 2): CR list in SP-010509**

- **On 03.71, 23.171 and 23.271 (LCS Stage 2): CR list in SP-010510**

- **On 23.002 (Network Architecture): CR list in SP-010511**

- **On 23.107 (QoS): CR list in SP-010512**

- **On 23.207 (E2E QoS): CR list in SP-010513**

- **On 23.221 (Architecture Requirements): CR list SP-010514**

- **On 23.228 (IMS): CR list in SP-010515**

Actions expected from SA#13 by SA2 (4/4)

- ## WIs:
  - ### S2's involvement in MBMS: (S2-012455) in SP-010516
  - ### S2's involvement in Presence: (S2-012464) in SP-010517
  - ### Revised WI on LCS in Rel5 (S2-012451) in SP-010518
  - ### WI on IMS Charging (S2-012448) in SP-010519