

**TSGS#15(02)0129**

**Meeting #15, Cheju-do, Korea, 11-14 March 2002**



# ***TSG-SA WG2 report at TSG SA #15***

**SA2 Chairman and SA2 MCC Support**

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## ***General aspects (1/5)***

### **Events since TSG-SA #14 plenary**

- **SA2 has met twice as “SA2 plenary”:**
  - **SA2#22 in Phoenix, USA, 14<sup>th</sup> to 18<sup>th</sup> of January, hosted by Rogers Wireless Inc. and AWS**
  - **SA2#23 in Sophia-Antipolis, France, 18<sup>th</sup> to 22<sup>nd</sup> of February, hosted by ETSI**
- **Presence drafting meeting in Reading, U.K. hosted by Orange in January**

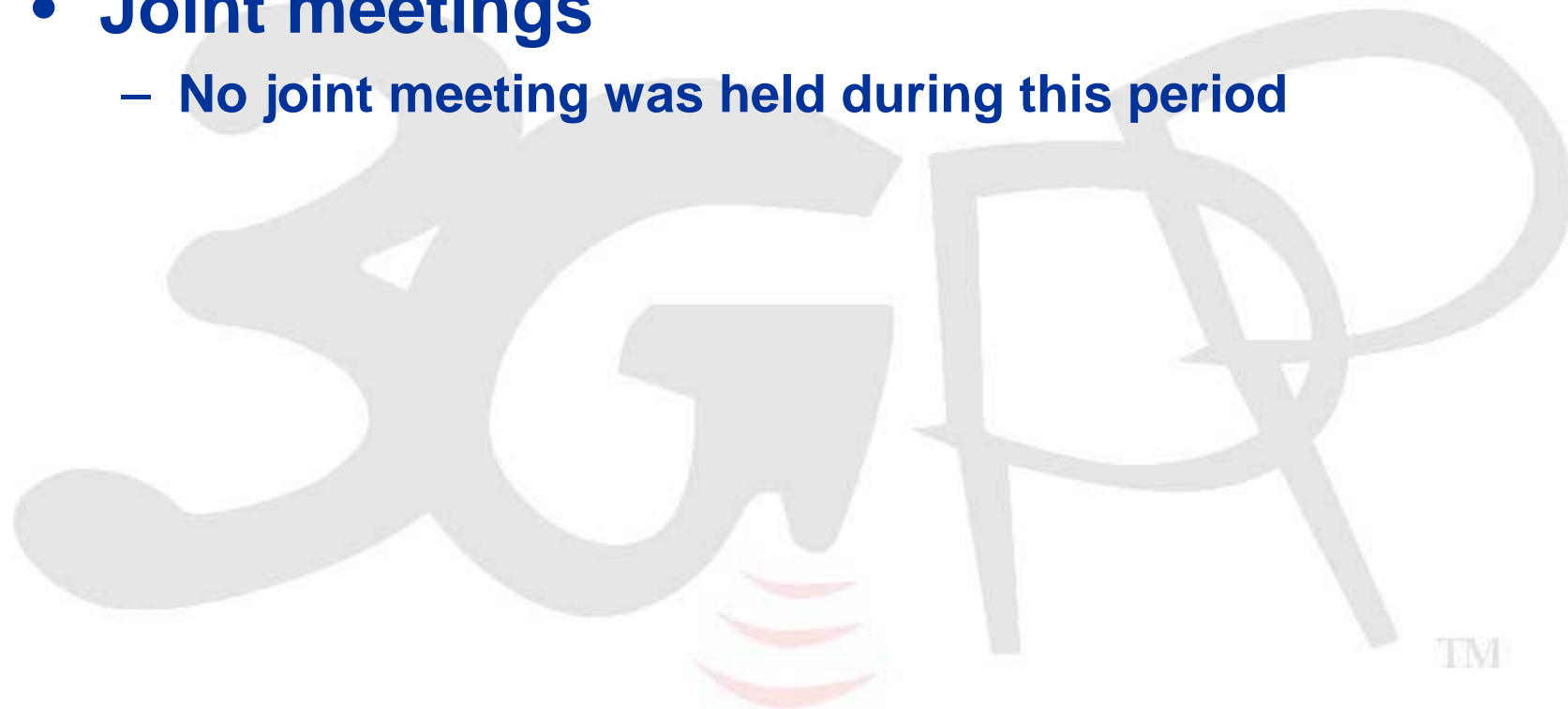
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## ***General Aspects (2/5)***

- **Joint meetings**
  - No joint meeting was held during this period



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## ***General aspects (3/5)***

### **Activities of the recent SA2 drafting sessions:**

- OSA, chaired by Christophe Gourraud (Ericsson) at S2#22 and Harri Koskinen (Nokia) at S2#23
- LCS, chaired by Jan Kåll (Nokia)
- Presence, chaired by Ms. Kirsi Maansaari (Nokia)
- IMS Charging, chaired by Alexander Milinski (Siemens)
- MBMS, chaired by Mr. André Jarvis (Hutchison 3G UK Ltd)

**Lot of work handled by e-mail, monitored by Mr. A. Noda.**

**Thanks to the SA2 Vice-Chairmen, Mr. A. Noda, Fujitsu, and Ms. B. Chen, Motorola.**

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

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## ***General aspects (4/5)***

### **Next S2 meetings:**

- **S2#24: 22 to 26 April (Telefonica, Madrid, Spain)**
- **S2#25: 24 to 28 June (Nokia, Naantali, Finland)**
- **S2#26: 19 to 23 August (RIM, Canada)**
- **S2#27: 7 to 11 October (ITRI, Taiwan), potentially moved to 14-18 October**
- **S2#28: 11 to 15 November (Japanese Friends of 3GPP Asia)**

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# ***General aspects (5/5)***

## **Statistics**

- **Around 80 delegates participated to SA2#22 and 23.**
- **Around 900 people registered on the SA2 e-mail list.**
- **SA2 has handled 900 temporary documents at SA2#22 and 23**
- **Liaison Statements:**
  - **SA2 received 30 LSs at SA2#22 and 57 at SA2#23**
  - **SA2 sent 13 LSs at SA2#22 and 20 at SA2#23**

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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)**
- **23.107 (UMTS QoS)**

## **Specific Topics:**

- **IPv6 address allocation corrections**
- **Restoration of R96 Anytime Interrogation functionality**
  - **For SA decision, corresponding CRs were for approval in the TSG-RAN#15**

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## ***Issues on Release 4***

**No specific work on Rel-4: except one correction, all Rel-4 CRs are mirror CRs of Rel-99 CRs**

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## ***Issues on Release 5***

- **Lot of mirror CRs coming from Rel99 CRs.**
- **Some updates on 23.002, 23.207 and 23.221.**
- **Number of IMS-related CRs continues to decrease: still 23 CRs, but most of them are corrections. Main decisions in following slides.**

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# **IMS: Progress / Recent decisions**

- **IMS Charging Architecture (TR for approval)**
  - Online IMS charging architecture model agreed, work transfer to SA5.
  - Offline IMS charging architecture was agreed and transferred earlier.
- **Local services**
  - UE indicates if it wants to access VPLMN provided services or use local addressing plan. Home network forwards the request to the Application Server in the VPLMN.
- **ISIM**
  - Private User Identity, Public User Identity and Home Network Domain name are derived from the IMSI in case there is no ISIM application.
  - Rel-5 UICCs for IMS have an ISIM application.
- **Number of media components per PDP context**
  - Mechanism agreed, control is in the network.
- **Sr interface removed from Rel-5 specifications**
  - For consideration in Rel-6.

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# ***IMS: Open issues***

- **IMS remaining open issues:**
  - **Implementation of the new Manyfolks/Unify approach (impacts at least the TS 23.228)**
  - **Handling forking scenarios in the UE in Rel-5**
  - **IPv4/IPv6 interworking principles for IMS**
  - **Inter-operator considerations for IMS charging**
  - **Sh interface requirements**
  - **QoS indication and values for the signalling PDP context**



## *Progress on other topics*

- **LCS (TR on User Privacy for approval)**
  - Lots of discussions and work on Rel-5 LCS topics.
- **VHE/OSA**
  - Some OSA CRs discussed
  - A review of the GUP draft stage 2 document from the joint GUP ad-hoc group. Linked to several items of VHE/OSA.
- **Packet-Switched Streaming specifications by SA4**
  - The SA4 PSS specifications were reviewed and comments were provided back to SA4.

# *Other items: Open Issues*

- **LCS**
  - Open issues are listed on the TR cover page
  - Also, there are a few SA1 LSs listing new requirements that were not handled by SA2 but which may have an impact on the SA2 work.
- **QoS**
  - Some alignments with Stage 3 work required.
- **Packet core**
  - Double-check the implementation of TSG-CN#15 recent decisions on TFT and PCO approach for transferring IMS-related information from the UE to the GGSN

# VHE & OSA: Open Issues

- **Terminal Capabilities (7.4): open for IMS**
  - Current support is for WAP and MExE terminals only (same as in R99 and Rel-4). Architecture aspects for IMS still need to be addressed by SA2. Also linked to GUP stage 2 work.
- **User Interaction (7.5): open**
  - Architectural mapping in CS/PS/IMS still needs to be documented.
- **User Profile Management (7.6):**
  - Lack of network support for Rel-5. Should rely on network architecture specified by GUP stage 2.
  - User Profile Management was assigned low priority by SA1 in Rel-5.
- **Charging (7.7): open**
  - Could be completed now when IMS charging architecture is agreed.
- **Information Services (7.10):**
  - There is currently no network support in Rel5.
- **Network Capabilities (7.11):**
  - Network Capabilities can only be partially addressed (access to information in HLR and HSS). This is also linked to GUP stage 2.
  - Network Capabilities were assigned low priority by SA1 in Rel-5.

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## ***“Rel-6” discussions items (1/2)***

- **Presence (TR for information)**
  - Good progress on architecture issues.
  - Presence architecture is linked to IMS and based on SIP.
  - Open issues are listed on the TR cover page
- **MBMS**
  - Work has not progressed as expected and therefore the TR 23.846 is NOT presented for information at SA#15.
- **Push Services:**
  - No work done for Rel-5. Work re-scheduled for Rel-6.
- **LCS Rel-6 enhancements**
  - WID proposed for approval at SA#15

## **“Rel-6” discussions items (2/2)**

- **Generic User Profile (GUP)**
  - SA2 started discussing GUP stage 2 at SA2#23 based on a draft stage 2 version received from the 3GPP GUP joint ad-hoc group.
  - A revised structure and content for the specification was agreed by the SA2.
  - The current version of the specification is still very draft. TS 23.240 is planned to be submitted for information at SA#17 and for approval at SA#18.
- **UMTS – WLAN interworking**
  - SA2 received a good presentation of the SA1 work on the UMTS – WLAN interworking and created a linked work item to cover SA2 part of the work (to do an architecture feasibility study).

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## ***Other S2 activities***

- **LSs to SA:**
  - LS to RAN3 (Cc RAN 2, GERAN 2, CN 2, SA 1, TSG-RAN, TSG-CN, TSG-SA) on Restoration of R'96 Any Time Interrogation functionality (S2-020276)
  - Response LS to R3, S1 (Cc N4, N1, GERAN, S5, SA, RAN) on Shared network scenarios considered by RAN3 (S2-020860)
  - LS to CN1, CN3, CN4 (CC SA, CN) on adapting to IETF improvements contained in “unified draft” (S2-020914)
- **Revised/new WIDs:**
  - As shown in the section “Actions expected from SA#15 by S2”



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## ***Actions expected from SA#15 by SA2 (1/6)***

### **Presentation for information:**

- **TR 23.841 v.1.0.0: “Presence Service; Architecture and Functional Description” in SP-020156**

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## ***Actions expected from SA#15 by SA2 (2/6)***

### **Presentation for approval:**

- **TR 23.871 v.2.0.0: “Enhanced Support for User Privacy in LCS” in SP-020145**

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## ***Actions expected from SA#15 by SA2 (3/6)***

### **Presentation for approval:**

- **TR 23.815 v.2.0.0 on “Charging implication of IMS architecture” in SP-020144.**

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## ***Actions expected from SA#15 by SA2 (4/6)***

### **Approval of the following CRs (1/2):**

- **On 23.002 (Network Architecture): CR list in SP-020130**
- **On 03.60 and 23.060 (GPRS/PS domain stage 2): CR list in SP-020131**
- **On 23.107 (QoS): CR list in SP-020132**
- **On 23.127 (VHE/OSA): CR list in SP-020133**
- **On 23.207 (E2E QoS): CR list in SP-020134**

## ***Actions expected from SA#15 by SA2 (5/6)***

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

- **On 23.221 (Architecture Requirements): CR list SP-020135**
- **On 23.228 (IMS Stage 2): CR list in SP-020136**
- **On 23.236 (Iu Flex Stage 2): CR list in SP-020137**
- **On 03.71, 23.171 and 23.271 (LCS Stage 2): CR list in SP-020138**

## ***Actions expected from SA#15 by SA2 (6/6)***

- **WIs:**
  - **WID on inter-GMLC interface: SP-020139**
  - **Revised WID on LCS enhancements in Rel5 in SP-020141**
  - **WID on LCS enhancements in Rel6 in SP-020142**
  - **WID on Feasibility study on Dynamic Policy Control enhancements for end-to-end QoS in SP-020140**
  - **WID on S2 implication in UMTS/WLAN interworking in SP-020143**

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**That's all.**

**Thank You!**

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