

3GPP TSG SA #20, Hämeenlinna, Finland  
09-12 June 2003

*Tdoc SP-030296*



# ***TSG-SA WG2 report at TSG SA #20***

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- • **General aspects (Events since SA#19, statistics, next meetings)**
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# *General aspects (1/4)*

## Meetings since TSG-SA #19

- **TSG-SA WG2 plenary meetings:**
  - SA2#31 in Seoul, Korea, 07~11 April, hosted by Samsung
  - SA2#32 in San Diego, U.S.A., 12~16 May, hosted by North American Friends of 3GPP
    - Joint meeting with SA5 SWG-B on Charging
- **Ad-hoc meetings:**
  - Paging ad-hoc meeting SA2/CN1/RAN2 (Suresnes, Paris, France 24<sup>th</sup> – 25<sup>th</sup> April 2003)
  - WLAN ad-hoc meeting in Oslo, Norway, April 28<sup>th</sup> 13.00 through 30<sup>th</sup> 2003 13.00, hosted by Telenor

## ***General aspects (2/4)***

### **SA2 drafting sessions held during SA2#31 & SA2#32:**

- LCS, chaired by Mr. Jan Käll (Nokia)
- MBMS, chaired by Mr. Antti Pasanen (Nokia) for S2#31, Mr. André Jarvis (THREE) for S2#32
- WLAN, chaired by Mr. Frédéric Paint (Telenor)
- Early UE Handling, chaired by Mr. Chris Pudney (Vodafone)

**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 (3/4)***

### **Next SA2 meetings:**

- **SA2 #33: 7 - 11 July, 2003**
  - Sophia Antipolis, France
  - Hosted by ETSI.
  - Co-located with SA1
- **SA2 #34: 18 - 22 August, 2003**
  - Brussels, Belgium
  - Hosted by European Friends of 3GPP.

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

## **Statistics at SA2#31 and SA2#32:**

- **Around 70 delegates attended each meeting**
- **Around 1.000 temporary documents handled, among them:**
  - **100 incoming LSs**
  - **40 outgoing LSs**
  - **222 CRs (including revisions)**
- **830 people registered on the SA2 e-mail reflector on June 2<sup>nd</sup>.**

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# *Issues on Rel99 and before*

- **GPRS stage 2 (TS 23.060)**
  - The lu release procedure have been updated to avoid hanging RRC connections
- **LCS stage 2 (TS 23.171)**
  - Correction of exception procedures in alignment with stage 3

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## *Issues on Release 4*

- **Release 4 changes (in addition to mirror CRs of R99 changes)**
  - **Architecture (TS 23.002)**
    - **Removal of Mh interface (only R4)**
  - **GPRS stage 2 (TS 23.060)**
    - **Correction of CAMEL triggers**
  - **LSC stage 2 (TS 23.217)**
    - **Correction to allow Network Induced Location Request to trigger location calculations in RAN/GERAN for emergency calls**

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# Issues on Release 5 (1/3)

- In addition to mirror CRs of R99 and Rel4 changes:
  - Architecture (TS 23.002):
    - Mc reference point description corrected
  - UMTS QoS (TS 23.107)
    - The relation between Max SDU size and MTU is clarified
    - Signalling PDP context indication is generalized and aligned with RAN
    - QoS model generalized to also be applicable for GERAN
    - Transfer delay definition clarified
  - GPRS Stage 2 (TS 23.060):
    - Early UE related changes
    - The relation between Max SDU size and MTU is clarified
    - SRNS relocation corrections
    - Preservation procedure for realtime PDP contexts added for A/Gb mode

## *Issues on Release 5 (2/3)*

- End to end QoS (TS 23.207):
  - The capability to control the signalling indication according to operator policy in GGSN is added
- LCS Stage 2 (TS 23.271):
  - Addition of Position Method Used, to attributes returned with location estimate
- IMS (TS 23.228):
  - Roaming restrictions handling
  - Guidelines for UE usage of IPv6 Privacy mechanisms
  - The capability to control the signalling indication according to operator policy in GGSN is added
  - Service profile clarification
  - Correction of misleading text

# *Issues on Release 5 (3/3)*

- **Handling of Early UEs**
  - **Efficient work on the topic.**
  - **SA2 has investigated the stage 2 impacts of both the IMEISV and BMUEF option. This means that some parts of TS 23.195v1.3.0 are dependant on decisions in TSG RAN and GERAN2.**
  - **TS 23.195 (for Release 5) is provided for approval to SA#20.**

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# ***Rel-6 work item status (1/6)***

- **Presence Stage 2**
  - Editorial improvements and addition of WLAN as presence supplier in TS 23.141
- **MBMS Stage 2**
  - TS 23.246 is presented to SA#20 for information
- **Push Services Stage 2**
  - Work progressing in TR 23.976
- **Network Sharing Stage 2**
  - Key architecture concepts for network sharing are being developed in TR 23.851
- **System architecture TS 23.002**
  - Addition of SLF functionality on the Sh interface and some corrections

## ***Rel-6 work item status (2/6)***

- **Location Services Stage 2**
  - **12 CRs agreed on TS 23.271:**
    - **E.g. Addition of mobile based change of area event to deferred location request, Inclusion of U-TDOA, Clarification of privacy handling, GMLC definition, Pseudonym in LCS authorization request, Area Event improvements, Pseudonym attachment options**
- **GUP Stage 2**
  - **GUP Stage 2 TS 23.240 is presented for approval at SA#20**
- **PS Domain and IM CN Subsystem support for IMS Emergency sessions**
  - **TR 23.867 progressing well with many contributions**
  - **Revised WID for approval at SA#20.**

# ***Rel-6 work item status (3/6)***

- **IMS Phase 2**
  - 10 CRs agreed to TS 23.228:
    - E.g. Format of public service identities, routing of non-SIP URIs, messaging and group management enhancements, session timer, etc.
  - Revised WID for approval at SA#20
- **IMS Commonality and Interoperability**
  - Reorganization of TS 23.228 completed, GPRS-specific parts have been moved to a normative annex as approved at TSG-SA#19.
  - Further analysis of technical aspects of IMS commonality still ongoing within the scope of TR 23.864. If needed, CRs will be raised against existing TSs.
- **Radio optimisation impacts on PS domain architecture:**
  - No contributions received on this topic.

## ***Rel-6 work item status (4/6)***

- **Policy control in Release 6:**
  - Plenty of contributions on policy control evolution.
  - Study of dynamic policy control enhancements is ongoing (TR 23.917).
- **GPRS Stage 2**
  - Rel-6 changes to TS 23.060:
    - Control of compression from GGSN
    - Mapping of PFC to LLC SAPIs
    - RAU in PMM connected state
    - User Inactivity with lu/RAB release
- **IP Flow Based Bearer Charging Evolution**
  - Work progressing well in TR 23.825
- **Early UE**
  - New RANAP message for transfer of UESBI-lu introduced in TR 23.895

## ***Rel-6 work item status (5/6)***

- **WLAN**

- TS 23.234 is provided for information at SA#20
- The Scenario 2 architecture considered 90% stable and TSG-CN
- SA2 aims to stabilize scenario 3 and provide TS 23.234 for approval at SA#21
- SA2 and SA5 SWG B has agreed on a work split for WLAN charging

- **eTFO related issues**

- As a result of the eTFO related discussions at SA2 a new WID is proposed “Bandwidth and Resource savings and Speech enhancements for CS networks” in SP-030308

# ***Rel-6 work item status (6/6)***

- **IPv6/IPv4**

- SA2 has agreed on the principles for interworking with external IPv4 networks and contributions documenting the principles and detailing the solutions have been discussed.
- SA2 expects to provide continue the work and provide input to relevant CN groups from forthcoming meetings
- SA2 sees the IETF v6ops Drafts as valuable input to the 3GPP work and encourages companies to contribute directly in IETF to ensure that 3GPP specifics and scenarios are correctly evaluated and reflected

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## ***Actions expected from SA#20 by SA2 (1/5)***

### **Presentation for information:**

- **TR 23.835 v1.0.0 in SP-030311**
- **TS 23.246 v1.0.0 in SP-030312**
- **TS 23.234 v1.10.0 in SP-030313**



## ***Actions expected from SA#20 by SA2 (2/5)***

### **Presentation for approval:**

- **TS 23.240 v2.0.0 in SP-030310**
- **TS 23.195 v2.0.0 in SP-030314**

## ***Actions expected from SA#20 by SA2 (3/5)***

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

- **23.060 (GPRS/PS domain stage 2):**
  - CR list in SP-030297
- **23.171 and 23.271 (LCS Stage 2):**
  - CR list in SP-030298
- **23.002 (Network Architecture):**
  - CR list in SP-030299
- **23.107 (QoS):**
  - CR list in SP-030300

## ***Actions expected from SA#20 by SA2 (4/5)***

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

- **23.141 (Presence):**
  - CR list in SP-030301
- **23.207 (End to end QoS):**
  - CR list in SP-030302
- **23.228 (IMS Stage 2):**
  - CR list in SP-030303
- **23.895 (Early UE handling):**
  - CR list in SP-030304

## ***Actions expected from SA#20 by SA2 (5/5)***

- **New WIDs for approval:**
  - WID for Gq interface specification for Dynamic Policy control enhancements **in SP-030306**
  - Proposed WID on “Bandwidth and Resource savings and Speech enhancements for CS networks” **in SP-030308**
- **Revised WIDs for approval:**
  - Updated Work Item Description: PS domain and IM CN subsystem support for IMS Emergency sessions **in SP-030307**
  - Revised WID for IMS Stage-2 Enhancements **in SP-030309**



**That's all, folks.**

**Thank You!**

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