

3GPP TSG-SA Meeting #22  
Maui, U.S.A., 15-18 December 2003

SP-030651



# ***TSG-SA WG2 report at TSG SA #22***

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- **Issues on Rel99 and before**
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- **Actions expected from SA#22 by SA2**

- • **General aspects (Events since SA#21, statistics, next meetings)**
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## *General aspects (1/6)*

### Meetings since TSG-SA #21

- **TSG-SA WG2 plenary meetings:**
  - SA2#35 in Bangkok/Thailand, 27~31 Oct, hosted by Japanese Friends of 3GPP
  - SA2#36 in New York/U.S.A., 24~28 Dec, hosted by North American Friends of 3GPP
- **Joint meetings:**
  - 3GPP MBMS Joint meeting with SA1, SA4, RAN1, RAN2, RAN3, RAN4, GERAN1 and GERAN2 in Baden/Austria, 13-14 October, hosted by T-mobile

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

### **SA2 drafting sessions held during SA2#35 & SA2#36:**

- LCS, chaired by Mr. Jan Käll (Nokia)
- MBMS, chaired by Mr. André Jarvis (THREE)
- WLAN, chaired by Mr. Frédéric Paint (Telenor)
- Charging, chaired by Dr. Alexander Milinski (Siemens)
- Gq/Policy Control Evolution, chaired by Ms. Claire Mousset (Nortel) at S2 #35
- Network sharing, chaired by Dr. Ulf Nilsson (TeliaSonera) at S2 #36

**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 (3/6)*

### Next SA2 meetings:

- **SA2 #37: 12 - 16 January, 2004**
  - Innsbruck, Austria
  - Hosted by European Friends of 3GPP
  - Co-located with the SA1
- **SA2 #38: 24 - 28 November, 2004**
  - New York, U.S.A.
  - Hosted by North American Friends of 3GPP
  - Co-located with CN1, CN2, CN3 and CN4

## *General aspects (4/6)*

### SA2 Meeting Plan for 2004:

- SA2 #39: Shenzhen/China, hosted by ZTE, 19 - 23 April, 2004
- SA2 #40: ETSI/France, hosted by ETSI, 17 - 21 May, 2004
- SA2 #41: U.S.A., 16 - 20 August, 2004
- SA2 #42: ETSI/France, hosted by ETSI, 11 - 15 October, 2004
- SA2 #43: Samsung, 15 - 19 November, 2004

## ***General aspects (5/6)***

### **Requested MCC Support:**

- **SA2 requests MCC support for meeting number 38, 39, 41 and 43**
- **In addition SA2 asks for extra MCC support for meeting number 37, 40 and 42.**
  - **Meeting 37 is located in Innsbruck and meeting 40 and 42 is located in Sophia Antipolis**
- **Without the extra MCC support the SA2 work plan may have to be revised**

# *General aspects (6/6)*

## Statistics at SA2#35 and SA2#36:

- Around 80 delegates attended each meeting
- Around 1.000 temporary documents handled, among them:
  - 103 incoming LSs
  - 38 outgoing LSs
  - 195 CRs (including revisions)
- 862 people registered on the SA2 e-mail reflector on Dec 2<sup>nd</sup>.

- **General aspects (Leadership, events since SA#21, statistics, next meetings)**
- • **Issues on Rel99 and before**
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# *Issues on Rel99 and before*

- **GPRS stage 2 (TS 23.060)**
  - **Unsynchronous UTRAN and UE RRC states can cause the UE to be unreachable for MT CS calls and MT SMS. A mechanism to recover this situation is introduced.**
  - **It is clarified that the SGSN should not send the packet flow identifier to an MS that do not support the BSS packet flow procedures**

- General aspects (Leadership, events since SA#21, statistics, next meetings)
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# *Issues on Release 4*

- **Release 4 changes (in addition to Mirror CRs)**



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## *Issues on Release 5 (1/2)*

- In addition to mirror CRs of R99 and Rel4 changes:
  - UMTS QoS (TS 23.107)
    - Clarification on which RAB attributes that are valid for GERAN (MCC is also asked to delay the implementation of the corresponding R6 CR until an R6 version of 23.107 is created)
  - Early UE (TS 23.195)
    - Removal of a note in the scope section
    - See also LS from SA2 (SP-030667)

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

### – GPRS (TS 23.060):

- Clarification that the SGSN should send the MCC and MNC to the GGSN (see also LS from SA2 asking SA to decide if the same changes shall be done in earlier releases)

### – IMS (TS 23.228):

- Clarification on handling of sessions without required capabilities
- Clarification of trust domain restrictions

### – LCS Stage 2 (TS 23.271):

- Addition of positioning method used
- Addition of LDR reference number

- **General aspects (Leadership, events since SA#21, statistics, next meetings)**
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# *Rel-6 work item status (1/6)*

- **MBMS Stage 2**
  - 14 CR's agreed: e.g. general clarifications and corrections, introduction of GERAN aspects, correction of procedures etc..
- **Push Services Stage 2**
  - Discussion on the conclusions have started but are not completed
- **Network Sharing Stage 2**
  - The broadcast-channel-based solution for network selection for UTRAN has been adopted as a working assumption
- **System architecture (TS 23.002)**
  - Introduction of the Gq Reference point

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

- **Location Services Stage 2 (TS 23.271)**
  - 11 CRs agreed on TS 23.271:
    - E.g. LCS QoS class, Privacy and Charging related updates, Updated reference, optional sending of Cell id/SAI to GMLC, etc...
- **GUP Stage 2 (TS 23.240)**
  - Agreement and CR on the information model, CRs adding Notification reference and Subscription status, selecting server mode of operation etc.
- **PS Domain and IM CN Subsystem support for IMS Emergency sessions (TR 23.867)**
  - Contributions on the USIM less establishment of GPRS PDP context and translation of SIP URI's to routable numbers (when connecting to EC in PSTN)

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

- **IMS Phase 2**
  - 14 CRs agreed to TS 23.228:
    - E.g. on messaging, Hold and resume, Handling of PSI's, Forking, User preferences and terminal capabilities, Trust domain clarifications
- **IMS Commonality and Interoperability**
  - Commonality already done, no contributions in on interoperability and it is assumed that no more work will be done in 3GPP on this item and it can hence be marked as completed in the workplan
- **Policy control/Gq:**
  - CR on 23.207 to generalize the PDF/AF

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

- **GPRS Stage 2**
  - Rel-6 changes to TS 23.060:
    - Security for Multiple PDP contexts
    - Indicating teardown in deactivate PDP context accept
    - BSS paging coordination description
    - SGSN behavior on BSS downgraded ABQP
    - BSS PFC procedures at PDP context modification
- **IP Flow Based Bearer Charging Evolution**
  - Gz and Gy interfaces ready for SA5 work to start
  - A related LS (SP-030668) clarifies what aspects require further development in SA2 and it is also recommended that the flow based charging function should be captured in a new TS.

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

- **WLAN**

- TSG SA is asked to decide if the WLAN TS 23.234 shall be approved or not
- The WLAN TS 23.234 is not sent in the “normal” approval package but in an LS (SP-030664) that provides more background information and also feedback on the issues raised at SA#21
- At SA2#36 a majority of the companies felt that 23.234 is ready for approval while some companies felt that SA2 should wait for further input from GSMA before asking for approval

- **BARS**

- TR 23.977 is sent to SA#22 for information

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

- **IPv6 and IPv4 related issues**
  - The new TR on “Interworking aspects and migration scenarios for IPv4 based IMS implementations” is started and is progressing well
- **PoC**
  - The new TR 23.979 is started and is progressing well

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## ***Actions expected from SA#22 by SA2 (1/7)***

### **Presentation for information:**

- **TR 23.877 v1.0.0 on “Speech Enabled Services” in SP-030663**
- **TR 23.977 v1.0.0 on “Bandwidth and Resource Savings and Speech Enhancements for CS Networks (BARS)” in SP-030713**

## *Actions expected from SA#22 by SA2 (2/7)*

**Presentation for approval:**



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## ***Actions expected from SA#22 by SA2 (3/7)***

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

- **23.002 (Network Architecture):**
  - CR list in SP-030652
- **23.060 (GPRS/PS domain stage 2):**
  - CR list in SP-030653
- **23.107 (QoS):**
  - CR list in SP-030654
- **23.195 (Early UE handling)**
  - CR list in SP-030655
- **23.207 (End to end QoS):**
  - CR list in SP-030656

## ***Actions expected from SA#22 by SA2 (4/7)***

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

- **23.228 (IMS Stage 2):**
  - CR list in SP-030658
- **23.240 (GUP stage 2):**
  - CR list in SP-030659
- **23.246 (MBMS Stage 2):**
  - CR list in SP-030660
- **23.271 (LCS Stage 2):**
  - CR list in SP-030661

## *Actions expected from SA#22 by SA2 (5/7)*

- **Updated WID for approval:**
  - Updated WID on “Bandwidth and Resource savings and Speech enhancements for CS networks” **in SP-030662**

## *Actions expected from SA#22 by SA2 (6/7)*

- **Questions for Advice:**

- **WLAN TS 23.234, see LS SP-030664**

- **SA#22 is asked to decide if TS 23.234 shall be approved or not**

- **R97-R4 CRs on the SGSN behaviours to send visited NW identity (MCC and MNC) to GGSN, see LS SP-030669**

- **SA2 has approved the corresponding CRs for R5 and R6**
- **SA#22 is asked to decide which (if any) of the R97, R98, R99 and R4 CRs that shall be approved**

## ***Actions expected from SA#22 by SA2 (7/7)***

- **Questions for Advice:**
  - **Flow based charging, see LS SP-030668**
    - **SA#22 is asked to endorse the creation of a new TS that capture the overall high level functionality and architecture impacts of flow based charging**
    - **If agreed SA2 will perform the necessary updates of the WID**
  - **Early UE handling, see LS SP-030667**
    - **SA#22 is asked to resolve the last open issue in 23.195 i.e. to decide if the transfer of UESBI-Iu is applicable on the A interface (alternatively SA can defer the decision to GERAN)**



**That's all, folks.**

**Thank You!**

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