

**TSGS#24(04)0723**



**Text report in SP-040724**

# ***SA1 Status Report to SA#26***

## ***SP-040723***

**Michele Zarri, T-Mobile  
SA1 Chairman**

**.....T.....Mobile.....**

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# ***SA1 Leadership***

- ï **Chairman: Michele Zarri (T-Mobile)**
- ï **Secretary: Michael Clayton (MCC)**
- ï **Vice-chairs:**
  - ï **Paul Carpenter (RIM),**
    - ñ **Elected at SA1#20**
  - ï **Chris Sachno (NTT DoCoMo),**
    - ñ **Elected at SA1#23**

# *SA1 Sub Working Groups*

- ï **Messaging**
- ï **LoCation Services (LCS)**
- ï **IP Multimedia Services (IMS)**
- ï **Wireless LAN (I-WLAN)**
- ï **Generic User Profile (GUP)**
- ï **Priority Services**
- ï **MBMS**
- ï **AIPN (All-IP Network)**
- ï **XIX (CS and IMS Combinational Services)**
- ï **Multi-system terminals**
- ï **Network Protection**

# *Meetings Held*

## ï SA1 Plenary

ñ SA1#26: 11 ñ 15 October 2004

ñ Sophia Antipolis, France

ñ Hosted by ETSI

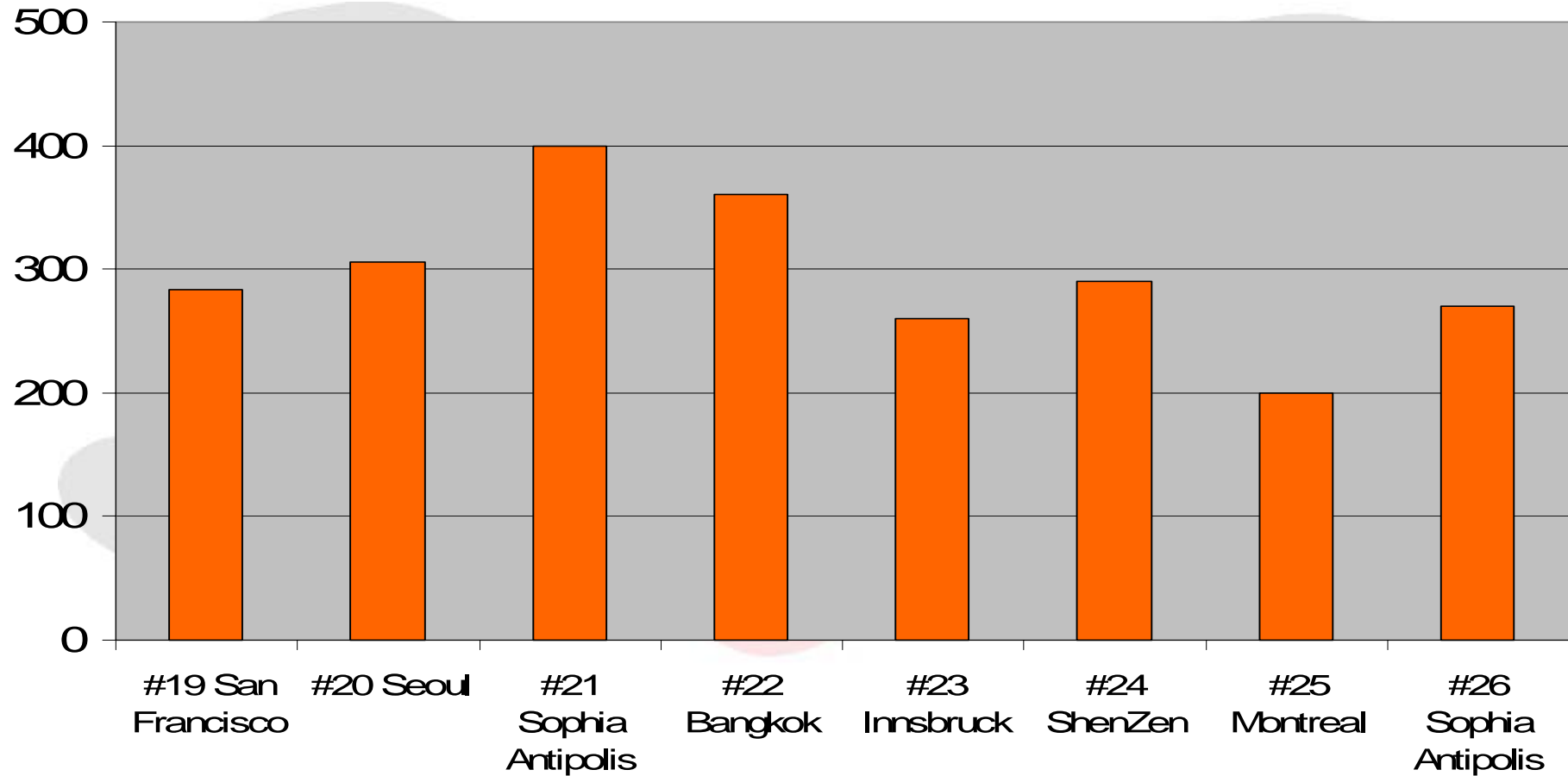
# *SA1 General Progress*

- ï **Work progressing on Rel-7 work items particularly AIPN, XIX**
- ï **Fine tuning of the work items**
- ï **New WID on CAMEL trunk triggers**
- ï **Agreed a number of essential corrections to earlier releases**
- ï **Fulfilled all the requests for action coming from SA plenary**

## ***SA1 General Progress stats***

- ï Received **27** Liaison statements
- ï Agreed **19** Change requests
- ï Agreed **3** new work items or revised WIDs
- ï Sent **8** liaison statements
- ï Agreed **2** TS and/or TR for information or approval
- ï Handled **270** documents

# SA1 Documents



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## ***Sub working groups, Ad hoc summaries***

- ï **Priority** (chaired by James Garrahan from Telcordia)
- ï **WLAN** (chaired by Mark Younge from T-Mobile US)
- ï **LCS** (chaired by David Williams from Qualcomm)
- ï **XIX** (chaired by John Watson from Vodafone)
- ï **AIPN** (chaired by Chris Sachno from NTT DoCoMo)
- ï **Multisystem terminal** (chaired by David Williams from Qualcomm)

The Chairman would like to thank the SWG chairs for their hard work during the meeting



## ***Priority SWG (I/II)***

- ï 5 participants from 5 companies
- ï 5 input documents, 4 output documents
- ï The meeting agreed to a CR to TR 22.950, Priority Service Feasibility Study, for optional support of Emergency Service.
- ï The meeting agreed to a CR to TR 22.952, Priority Service Guide, for optional support of Emergency Service.
- ï The meeting noted a draft of the MPS Feasibility Study TR (v 0.3.0).
- ï The meeting agreed to proposed text (with modification) for Clause 4 (High Level Requirements) for the Multimedia Priority Service Feasibility Study.
- ï The meeting agreed in principle to a revised draft of the MPS Feasibility Study TR 22.953 (v 0.4.0) as a basis for future contribution.

## ***Priority SWG (II/II)***

### **ï CRs agreed at SA1#26**

- ñ CR to TR 22.950, Priority Service Feasibility Study, for optional support of Emergency Service.**
- ñ CR to TR 22.952, Priority Service Guide, for optional support of Emergency Service.**

# WLAN SWG (I/II)

## i Items Reviewed:

- ñ 2 Response LSs from T3 on Preferred PLMN and SSID Operator Controlled and User Controlled lists
- ñ 1 Response LS from SA3 on Multiple connections to VPLMNs simultaneously
- ñ 1 LS GSMA BARG on Availability of the user identity in the VPLMN for WLAN Roaming

## i Continued

## **WLAN SWG (II/II)**

- i Ö continued**
  - ñ 1 CR Against 22.234 on  
New features of I-WLAN for Rel-7**
  - ñ 1CR Against 22.038 on  
Extension of USAT Bearers**
- i These two CRs have been agreed.**

# LCS SWG

## ï A-GNSS

- ñ A LCS feature level WID was agreed in SA#25, A-GNSS was also agreed as a building block of this WID.
- ñ Change terminology in stage 1 from A-GPS to A-GNSS proposed
- ñ **CR agreed**

## ï Velocity

- ñ Accurate velocity information enables improved services (e.g. route guidance)
- ñ Velocity may be calculated more accurately in the UE from a single GPS fix than in GMLC with multiple fixes
- ñ SiRF will propose architectural changes needed to SA2
- ñ **CR to modify velocity service requirement agreed**

## ï LCS in IWLAN

- ñ User cases provided but insufficient time to discuss everything
- ñ Rapporteur to incorporate contribution from Nortel and meeting comments in next version of the TR. Will be TR22.935 v0.0.1

## ï One full session to be dedicated to LCS in IWLAN at next meeting

## **XIX SWG (I/II)**

- ï This was the 3rd Circuit Switched IMS Combinational Service SWG Meeting - The 'XIX' Club
- ï TR22.979v040 is now ready for presentation to SA#26. Since SA1 believe that the TR is more than 80% complete and intends to start as soon as possible the specification work, **SA1 would like to ask for a one step approval of the report**
- ï Delivered on time following clear objectives
- ï **Combinational Services:**
  - ñ Promote the uptake of IMS services
  - ñ Make best use of existing CS infrastructure
  - ñ Fast set-up by predicting the users need to add an IMS session to an ongoing CS call or vice-versa

## ***XIX SWG (II/II)***

- ï **Within the Technical Report we use the terms Phase1 and Phase 2 to indicate both the expected early service feature delivery and the deliver of more complex features e.g. on-line charging correlation and unconditional call forwarding.**
- ï **What next:**
  - ñ **Submission of TR to SA#27 Athens Dec 04**
  - ñ **Obtain feedback from SA2**
  - ñ **Create new SA1 WID for XIX TS**

# **AIPN SWG (I/II)**

- ï **The AIPN SWG met for 2 days at SA1#26 in Sophia Antipolis, France.**
- ï **There were 24 initial input contributions in total all of which were handled.**
- ï **The topics covered included**
  - ñ **Restructuring and clarification of TR 22.978 (extensive)**
  - ñ **Technical Drivers for an AIPN: Traffic engineering technologies**
  - ñ **Impacts to current charging models**
  - ñ **Reuse of legacy equipment in an AIPN**
  - ñ **Improvement of requirements for the evolution of the 3GPP system to an AIPN**
  - ñ **Evolution of IP and associated transport technology**
  - ñ **Security and privacy issues for an AIPN (including the role of the UICC)**
  - ñ **New capabilities required for an AIPN**
  - ñ **Baseline for conclusions for TR 22.978**



# AIPN SWG (II/II)

## ï Open Issues:

- ñ WID update discussion but no agreement could be reached
  - ñ Clarification of ‘centralised and common network control’
  - ñ Clarification of application and service creation
  - ñ Justification of CAPEX and OPEX reduction statements
  - ñ Impacts to Current Service Model review
  - ñ Control-loop based optimization of the running system in an autonomous way, self-healing for fast recovery of failures and increased robustness consideration
  - ñ Heterogeneous access networks text update based on resolution of AIPN scope
  - ñ Clarification of ‘duplicated technologies’ and vision of ‘terminal convergence’
  - ñ Clarification of meaning of ‘seamless’ in its various instances
  - ñ High-level principles of Moving networks, ad-hoc networks and PANs
  - ñ General terminology definition/improvements e.g. AIPN scope, Access Network/Core Network/Access Technology/Mobility concepts etc
- ï Email discussion to be held on these issues and a physical AIPN SWG meeting held in the week prior to SA1#27 (in Europe) if deemed necessary.
- ï **1 output document which is the updated version of TR 22.978 (v0.6.0)**

# ***Multisystem SWG***

**TR 22.936 V0.2.0 was drafted, five use cases were defined with increasing level of integration.**

- ñ **No integration other than common billing**
- ñ **Background scan of other system (dual transceivers in UE)**
- ñ **Background scan of other system (integration of transceivers in UE)**
- ñ **Integration at identity level**
- ñ **Integration at network selection level**
- ï **Implication of each use case on 3GPP specs was considered (but more work needed here)**
- ï **Conclusions reached**
  - ñ **Use cases 1 and 2 (no integration) have no further impact on 3GPP specifications**
  - ñ **Use cases 3, 4 and 5 (system integration) have non-trivial impact on 3GPP specifications and need close cooperation with 3GPP2. This may be outside the scope of the current WID. The group did not want to embark on a big academic exercise**

## ***New & updated Work Items***

- ï GUP WID update**
- ï New WID on Combinational Services**
- ï New WID on CAMEL Trunk Originated Trigger Detection Points**

## ***Update of GUP WID***

- ï **The work item was edited to bring it in line with what has been achieved within the timeframe of release 6. Some of the aspects such as the MMI aspects have been removed and also some links to work items that eventually were not relevant to the work carried out so far**

## ***New Combinational service WID***

- ï **Having completed the feasibility study on combinational services, SA1 has prepared a work item in order to start the specification work.**
- ï **SA1 intends to develop a new technical specification capturing at first the requirements identified as ì phase 1î and eventually expand it to include the more complex ì phase 2î requirements**
- ï **The Work Item is a feature**

## ***CAMEL Trunk Originated Trigger Detection Points***

- ï **The objective of this work item is to create the required change requests to the existing CAMEL4 specifications to standardise:**
  - ñ **CAMEL trunk originated TDPs that are needed to enable CSE interaction for calls from GSM-R fixed terminals and from foreign GSM-R networks received over a trunk interface at the MSC.**
  - ñ **CAMEL trunk originated TDPs that would enable CSE interaction for calls from fixed networks (e.g. ISDN/ PSTN) received over a trunk interface at the MSC.**

# *Issues and progress reports*

- **RAT definition**
- **GERAN Generic Access**

## ***RAT definition***

- ï **After some consideration SA1 has created a new definition for radio access technology.**
- ï **The definition has been circulated among the other interested groups so that it can be refined if necessary**



# ***GERAN's Generic Access WID***

- ï **SA1 has responded to the liaison statement from GERAN on the Generic Access work stating that the shortcomings identified by GERAN are not so substantial as to require the work to stop**
- ï **At the same time SA1 notified GERAN that the GAN technical solution may have not insignificant impacts on other work ongoing in SA1 and has asked for some clarification on how to progress the work on these areas in the most efficient way**

## ***Other issues***

- ï **TISPAN LS on supplementary services**
  - ñ **TISPAN is in the process of standardising some supplementary services for the NGN. SA1 at present believe that the capabilities of the IMS are adequate to allow the creation of supplementary services but has started a liaisioning with TISPAN to assess the need to introduce new requirements in this area**
- ï **Election of SA1 chairman**
  - ñ **Election for the SA1 chairman will be held during SA1#27 in January 2005**

## ***Actions on WG1 allocated during TSG SA#25 (I/IV)***

- ï SA has asked SA1 to review which documents that currently don't have a Release 6 version should be made part of that release
  - ñ A document has been prepared identifying also some specifications that SA1 believe should not be carried into Rel-6.

ï **Status: CLOSED**

## ***Actions on WG1 allocated during TSG SA#25 (II/IV)***

ï The CN groups have been tasked to find a solution for enabling a UE to select a PLMN supporting the GPRS service under certain circumstances. SA1 was asked to provide input to this discussion by means of use cases

ñ SA1 has produced a liaison statement to CN1

ï **Status: CLOSED**

## ***Actions on WG1 allocated during TSG SA#25 (III/IV)***

- ï GERAN has approved a feasibility study technical report on Generic Access to the GERAN network and has identified some possible issues that SA1 is asked to consider before the work is progressed
  - ñ Two liaison statements have been produced and sent to GERAN
- ï **Status: CLOSED**

## ***Actions on WG1 allocated during TSG SA#25 (IV/IV)***

ï SA1 was asked to modify the DRM technical specification TS 22.242 so that in Rel-6 it contains a reference to the latest OMA document, while for Rel-7 it will be discontinued

ñ A Change request has been created to fulfil the request from SA plenary and it is presented in this meeting for approval.

ï **Status: CLOSED**

# *Future SA1 Plenary Meetings*

SA1#27	17 January - 21 January 2005	Cape Town, SA
SA1#28	04 April ñ 08 April 2005	Beijing, China
SA1#29	27 June ñ 01 July 2005	tbd, Europe
SA1#30	24 October ñ 28 October 2005	tbd, North America

***Documents and Issues for  
discussion, information and  
approval***

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# Documents from SA1 to SA (I/II)

- ï SP-040725 CRs to 22.101 on USIM support by 2G terminals of Rel-99 and Rel-4 (R99, Rel-4)
- ï SP-040726 CR to 21.905 on definition of RAT (Rel-6)
- ï SP-040727 CRs to 22.127 to delete requirements from Rel-6
- ï SP-040728 CR to 22.141 on "Anonymous subscriptions to Presence lists" (Rel-6)
- ï SP-040729 CR to 22.128 on IMS CS Interworking (Rel-6)
- ï SP-040730 CR to 22.240 on Removal of erroneous use cases (Rel-6)
- ï SP-040731 CR to 22.242 regarding reference to OMA DRM (Rel-6)
- ï SP-040732 CR to 22.950 on Priority Service support for Emergency Service (Rel-6)
- ï SP-040733 CR to 22.952 on Priority Service support for Emergency Service (Rel-6)
- ï SP-040734 CR 22.038 on Extension of the USAT bearers (Rel-7)

## Colour coding

Information

Change request

Technical specification/report

Work Item Description

# Documents from SA1 to SA (II/II)



- ï SP-040735 CRs to 22.071 on Velocity Service Description and Introducing A-GNSS concept to extend A-GPS to include GALILEO (Rel-6)
- ï SP-040736 CR to 22.078 on regarding interworking between CAMEL and SCUDIF (Rel-7)
- ï SP-040737 CR to 22.234 on New features of I-WLAN for Rel-7
- ï SP-040738 CRs to CR to 42.068 on Sending a SMS to a Group and a Voice Group Call (Rel-7)
- ï SP-040739 TR 22.978 (v1.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7)
- ï SP-040740 TR 22.979 (v1.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7)
- ï SP-040741 Update to GUP WI
- ï SP-040742 Update of WI for Combinational Services
- ï SP-040743 New WI on CAMEL Trunk Triggers
- ï SP-040744 Proposal for update of TSs from Rel-5 to Rel-6

## Colour coding

Information

Change request

Technical specification/report

Work Item Description