Text report in SP-050054

SA1 Status Report to SA#27
SP-050053

Michele Zarri, T-Mobile

SA1 Chairman

SA1 Leadership

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

SA1 Sub Working Groups

- **LoCation Services (LCS)**
- **Wireless LAN (I-WLAN)**
- **Priority Services**
- **AIPN (All-IP Network)**
- **CSICS (CS and IMS Combinational Services)**
- **Multi-system terminals**
- **Network Protection**

Meetings Held

- **SA1 AIPN SWG**
  - 13 – 14 January 2005
  - London, UK
  - Hosted by EF3
- **SA1 Plenary**
  - SA1#27: 17 – 21 January 2005
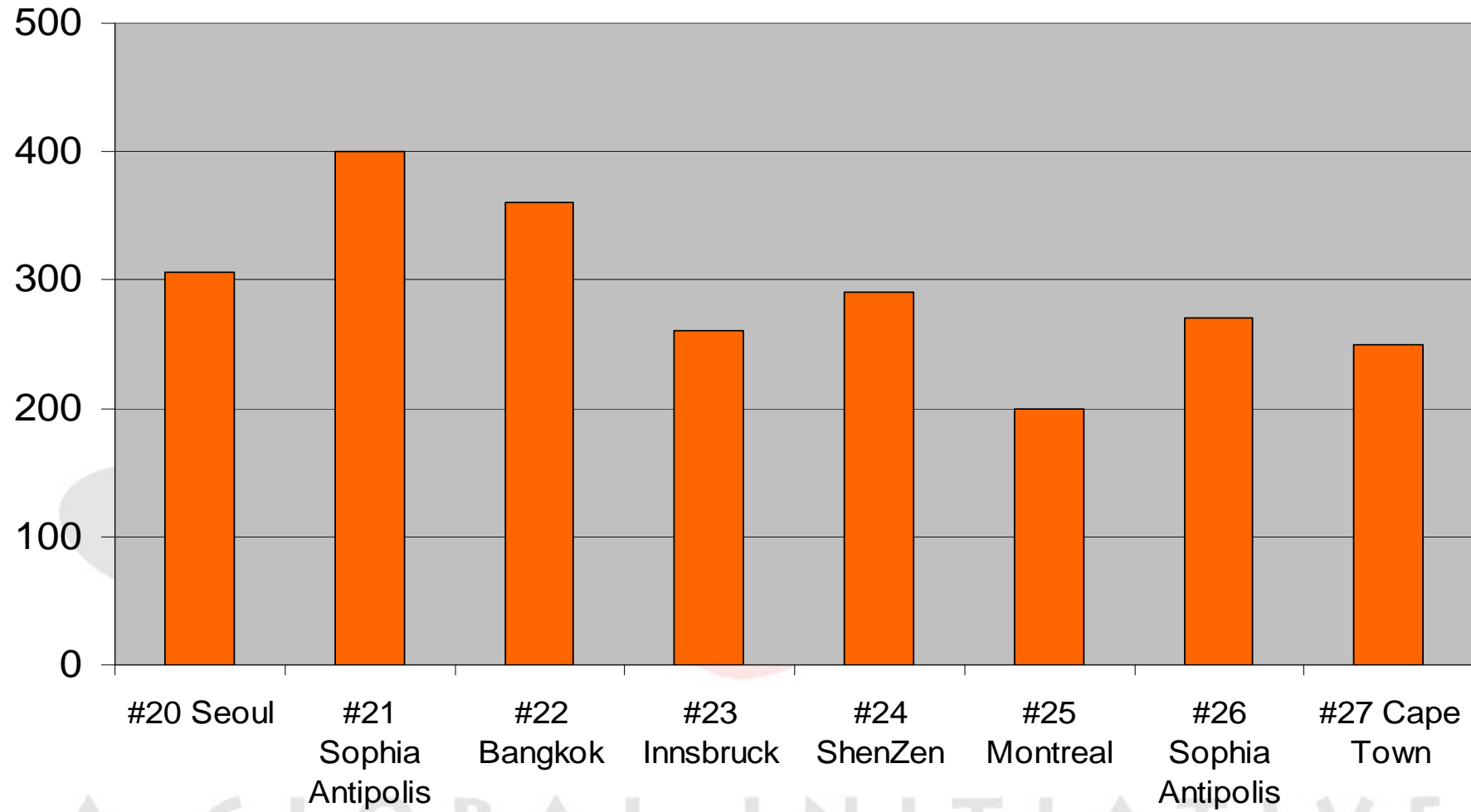 - Cape Town, South Africa
  - Hosted by Vodacom

SA1 General Progress

- **Work progressing on Rel-7 work items particularly AIPN, CSICS, I-WLAN**

- **3 new work items started**

- **Also considerable activity on network protection and VGCS enhancements**

- **Fulfilled all the requests for action coming from SA plenary** (yeah!)

SA1 General Progress stats

- **Received 39 Liaison statements**
- **Agreed 30 Change requests**
- **Agreed 7 new work items or revised WIDs**
- **Sent 11 liaison statements**
- **Agreed 3 TS and/or TR for information or approval**
- **Handled 257 documents**

SA1 Documents

Sub working groups, Ad hocs summaries

- **Priority** (chaired by James Garrahan from Telcordia)
- **LCS** (chaired by David Williams from Qualcomm)
- **CSICS** (chaired by John Watson from Vodafone)
- **AIPN** (chaired by Chris Sachno from NTT DoCoMo)
- **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

- **7 participants from 6 companies**
- **4 input documents, 2 output documents**
- **The meeting noted the draft of the MPS Feasibility Study TR 22.953 (v 0.4.0).**
- **The meeting agreed to additional Use Cases (with modification) for TR 22.953 (new Annex B).**
- **The meeting agreed to proposed text (with modification) for Annex B (service aspects) for TR 22.953 .**
- **The meeting agreed in principle to a revised draft of the MPS Feasibility Study TR 22.953 (v 0.5.0) as a basis for future contribution.**

LCS SWG

- **The entire meeting was devoted to LCS in I-WLAN**
- **TR 22.935 v0.1.0 was prepared based on contributions**
  - **Recommend it is sent to SA#27 for information (>50% complete)**
  - **All implementation specific materiel removed to an annex**
  - **Clause 6 on detailed architecture removed.**
- **The work on I-WLAN is running 6 months behind schedule so email activity is required**
  - **Telcordia will send a contribution to the SA1 reflector to address clause 5, Requirements in S1-050147 (for agreement).**
- **LCS in I-WLAN may be relevant to OMA SUPL**
  - **Contribution to the TR expected at next meeting.**
- **It is likely that the feasibility study will show LCS in I-WLAN to be a desirable feature and CR containing service requirements will be proposed.**

CSICS SWG (I/II)

- **This was the 4th Circuit Switched IMS Combinational Service SWG Meeting - The 'XIX' Club**

- **TR22.979 is now ready for presentation to SA for approval**

- **Drafting started on new stage 1 TS22.279**

  'Combined CS Calls and IMS Sessions'

- **Combinational Services:**
  - **Promote the uptake of IMS services**

  - **Make best use of existing CS infrastructure**

  - **Fast set-up by predicting the users need to add an IMS session to an ongoing CS call or vice-versa**

CSICS SWG (II/II)

- **References to phasing in TR22.979 removed, it is expected that SA2 will advise SA1 if any of the proposed requirements cannot be met.**

- **Issues:**
  - **Requirement for establishing an IMS session when the invited UE is not registered**
  - **Requirements for Supplementary Services**
  - **Requirement for correlated charging of CSI sessions**
  - **Changing the name from Combinational Services to ??**
  - **Should CS Call component include CS video call too?**

And finally…

- **Think XIX, think Combinational Services!**

AIPN SWG (I/III)

- **The AIPN SWG met for 1 1/4 days during SA1#27 in Cape Town, South Africa and for 2 days in London (before SA1#27)**
- **The topics covered included**
  - Moving Networks, Ad-hoc Networks, Personal Networks and PANs
  - Identity federation
  - Completion of outstanding issues within TR 22.978
    - Justification of cost reduction statements
    - Mapping of drivers to key aspects
  - Improvements to TR 22.978
    - Editing of current content
    - Addition of new content
    - New capabilities for an AIPN (Chapter 6)
  - Conclusions of TR 22.978 (Chapter 7)
  - AIPN Work Plan

continued...

AIPN SWG (II/III)

The topics covered included

- **Next steps for AIPN work…**
  - **If, technical specification work is to be undertaken within SA1 on AIPN there is a need to provide a common point of reference for service requirements for an AIPN**
  - **The current work item description for the AIPN Feasibility Study to be revised.**
  - **There is a need for a clear working process between SA1 and SA2 as work on 3GPP System Architecture Evolution in SA2 will consider the results of the AIPN Feasibility Study (TR 22.978)**

AIPN SWG (III/III)

- **2 output document(s):**
  - **Updated version of TR 22.978 (v1.3.0) provided in** S1-050191
  - **Revision of AIPN Feasibility Study WID provided in** S1-050237
- **Decision made in the SA1#27 Plenary to present TR 22.978 to SA#27 for approval**
  - **TR 22.978 v2.0.0 provided in** SP-050069
  - **Cover sheet for presentation to SA#27 for approval provided in** SP-050069.

Multisystem SWG

- **Definition of "Non-3GPP system"**
  - **…outside the scope or influence of 3GPP.**
  - **I-WLAN is a 3GPP system**
  - **3GPP2 and WLAN are the only non-3GPP systems addressed of the current feasibility study**
- **Started to consider a minimum set of rules for switching between 3GPP and non-3GPP systems.**
  - **Much more work needed here.**
- **Early conclusions of the feasibility study are-**
  - **It is not possible to make a 3GPP compliant terminal for higher than use case 2 without changes to 3GPP specifications,**
  - **Close co-operation with the non-3GPP standards organizations will be needed for higher than user case 2.**
- **The output version of TR22.936 is 0.3.0 (S1-050151)**
- **Editor and Chairman will produce v0.4.0 to merge annexes C and Annex D**
  - **Will send to SA1 email reflector**
  - **If agreed, v0.4.0 will be the starting point for SA1#28, otherwise v0.3.0**

New & updated Work Items

UPDATES

- **GUP WID update**
- **Network Protection WID update**
- **AIPN Feasibility Study WID update**
- **Combinational services WID update**

NEW

- **OSA enhancements WID**
- **Review of Network Selection Principles WID**
- **Improvements of VGCS WID**

GUP WID update

- **Based on a request from CN4 the GUP WID was updated to reflect the decision to make TS 23.241 a Technical Report TR 23.941.**

- **Furthermore, it was agreed in SA1 that the leadership of the GUP work should be moved to CN4.**

  - *Endorsement of this decision is requested from SA* **(as a consequence to further update of the WID will be necessary).**

Network Protection WID update

- **Agreed to modify the work item to indicate that a TR is no longer necessary and work can start on the existing technical specifications immediately.**

- **A change request to 22.011 dealing with this subject is presented at this meeting for approval**

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All-IP Network (AIPN) Feasibility Study WID update

- **SA1 agreed the following updates to the AIPN Feasibility Study WID:**
  - **Alignments with the content of TR 22.978 (e.g. alignment of terminology and structure)**
  - **Inclusion of '3GPP System Evolution' (SA2) as a linked work item**
  - **Inclusion of work on a Technical Specification for AIPN service requirements in line with the conclusions of TR 22.978**
  - **Scope and schedule of work on the TS to be clarified based on feedback from other groups (in particular SA2) on TR 22.978**

Combinational services WID update

- **SA1 has agreed to create a Technical Specification covering the requirements for combinational services and the WID has been updated accordingly**

OSA enhancements

- **The work item describes NEW requirement(s) on the Open Service Access to offer opportunities for the creation and delivery of value added services by third parties.**

Review of Network Selection Principles

- **This is a work item with the following objectives:**
  - **To review the network selection mechanisms in TS 22.011**
  - **To review requirements from other work areas, to take account of new methods of access and new operator types and**
  - **To ensure that the appropriate access is chosen**
  - **To optimise the network selection**

Review of Network Selection Principles

- Network selection algorithm used by mobile devices
- End user inter-action & interface
- Network operation
- Multiple Access System scenarios
- User & network operator lists
- National roaming
- International roaming
- RAN evolution
- Radio Planning
- Backwards compatibility

Improvements of VGCS

- **The objective of this work item is to enhance VGCS with the additional capabilities to support other services in parallel.**

- **The proposed improvements comprise, but are not restricted to:**

  - **Send or receive an SMS in parallel to active group call.**

  - **Support of the use of GPRS in parallel for individual VGCS subscribers during an active group call**

Release 7 status

- **Based on the status of the currently active WIDs it is expected that most of the Release 7 stage 1 will be completed by TSG SA #29 (September 2005 in line with the agreement of freezing the stage 1 nine months after the freeze of the previous release).**

- **Some allowances may need to be made for major work items where there are clear dependencies of work carried out in other groups (e.g. Network selection, AIPN)**

Other issues/highlights

- **Liaison statements volume**
  - **SA1 has received in the past meetings a large number of liaison statements where the subject matter had little relevance to SA1 and SA1 had no action or was just copied for information. It takes a not insignificant amount of meeting time to process those documents. In order to address this issue SA1 proposes to make more use of email exchange between working groups chairpersons.**
  - **SA1 also intends to continue to adhere to its principle of only replying to LSs when there are impacts to the SA1 specifications (i.e. CRs are produced based on a received LS)**

Actions on WG1 allocated during TSG SA#26 (I/IV)

- **SA1 is invited to provide comments on ATIS Next Generation Network (NGN) Framework, Part I: NGN Definitions, Requirement and Architecture, Issue 1.0, November 2004"**
  - SA1 has analysed the document and agreed that the comments made to the ETSI TISPAN NGN activity apply equally to this initiative. SA1 will also analyse this document in the AIPN SWG
- **Status: CLOSED**

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Actions on WG1 allocated during TSG SA#26 (II/IV)

- **SA1 is invited to remove the references to the technical report TR 22.121 from the Release 6 specifications set.**
  - **SA1 has generated the necessary change requests to the Release 6 and Release 7 specifications where the Virtual Home Environment Technical Report was mentioned**
- **Status: CLOSED**

Actions on WG1 allocated during TSG SA#26 (III/IV)

- **SA1 was asked to verify that the recent activities on MBMS in TSG SA WG4 are adequately covered by SA1 requirements in TS 22.146 and TS 22.246**
  - SA1 has performed the analysis and concluded that requirements exist to address the SA4 activity
- **Status: CLOSED**

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Actions on WG1 allocated during TSG SA#26 (IV/IV)

- **SA1 was asked to delete references to the deferred message type from TS 22.340 Release 6 since the stage 2 and 3 were not realised.**

  - SA1 has created the corresponding change request to Release 6. Since there is no Release 7 version of this specification, then unless this text is introduced again, it will not be part of Release 7 either.

- **Status: CLOSED**

Future SA1 Plenary Meetings

SA1#28   04 April – 08 April 2005   Beijing, China

SA1#29   11 July – 15 July 2005   Povoa de Varzim, Portugal

SA1#30   24 October – 28 October 2005 Vancouver, Canada

SA1#31   TBD (January – February)   tbd, tbd

* Tentative dates

Documents and Issues for discussion, information and approval

Documents from SA1 to SA (I/III)

- **SP-050055**   **Draft CR 21.905 on Introduction of RAN Information Management (Rel-5), (Rel-6)**
- **SP-050056**   **Removal of Announcement Suppression in CAMEL control of IMS (Rel-5) (Rel-6) (Rel-7)**
- **SP-050057**   **CR 22.038 Rel-6: References corrections (Rel-6) (Rel-7)**
- **SP-050058**   **Clean-up in Core Network Operator Name Indication section (22.101) (Rel-6), (Rel-7)**
- **SP-050059**   **CR to 22.101 on Removal of Reference to TS 22.121 (Rel-6), (Rel-7)**
- **SP-050060**   **CR to 22.228 on Tel-URI related reference update (Rel-6) (Rel-7)**
- **SP-050061**   **Service Requirements for I-WLAN (Rel-6), (Rel-7)**
- **SP-050062**   **CR to 22.340 to remove deferred messaging requirements**
- **SP-050063**   **Addition of 'Network Control of UE Capabilities' to TS 22.011**
- **SP-050063**   **CR to 22.011 Rel-7 to Reinstate CR016 for GPRS Terminal PLMN Reselection**
- **SP-050064**   **Support for CAMEL Trunk Originated Trigger Detection Points**

Colour coding	
Information	Change request
Technical specification/report	Work Item Description

Documents from SA1 to SA (II/III)

- **SP-050065**   **Rel 7 CR 22.217 Add Service Broker Requirement**
- **SP-050066**   **Over-the-air update of I-WLAN operator lists**
- **SP-050066**   **Editorial change and addition of missed abbreviation to TS 22.234**
- **SP-050067**   **CR to 42.068 on Sending of SMS to VGCS group Ids.**
- **SP-050068**   **TR 22.935 (v1.0.0) - Feasibility Study on Location Services (LCS) for Interworking-WLAN**
- **SP-050069**   **TR 22.978 (v2.0.0) on All-IP Network (AIPN) Feasibility Study (Rel-7)**
- **SP-050070**   **TR 22.979 (v2.0.0) on Feasibility study on Combined CS Calls and IMS Sessions (Rel-7)**
- **SP-050071**   **Update to GUP WI**
- **SP-050072**   **Update of AIPN Feasibility Study WID**
- **SP-050073**   **Updated WID on Network Protection**
- **SP-050074**   **Update of WID for Specification of Combining CS and IMS services & Capability Detection and Exchange mechanism**

Colour coding

Information	**Change request**
Technical specification/report	**Work Item Description**

Documents from SA1 to SA (III/III)

- **SP-050075**   **New WI on Improvements of VGCS in public networks for parallel use of service**
- **SP-050076**   **New WI on Rel-7 OSA enhancements**
- **SP-050077**   **New WI on Review of Network Selection Principles**

Colour coding

Information	Change request
Technical specification/report	Work Item Description