

**TSGS#15(02)0040**



**Text report in SP-020041**

# ***SA1 Status Report to SA#15*** ***SP-020040***

**Kevin Holley, O<sub>2</sub>**  
**SA1 Chairman**

**O<sub>2</sub>**

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# ***SA1 Leadership***

- **Chairman: Kevin Holley (mmO<sub>2</sub>)**
- **Secretary: Michael Clayton (MCC)**
- **Vice-chairs:**
- **Tommi Kokkola (Nokia),**
- **Randolph Wohler (SBC)\***

\* elected for a second 2-yr term Feb 2002

# ***SA1 Structure***

**Following discussions at TSG-SA #14:**

- **Ad-hoc groups disbanded**
- **SWGs introduced with terms of reference**
- **No “joint meetings” agreed, pending PCG discussion of the meaning of the term**

# *SA1 Sub Working Groups*

- **Messaging**
- **Speech Enabled Services**
- **LoCation Services**
- **Multimedia Broadcast Multicast Services**
- **IP Multimedia Services**
- **Presence**
- **Streaming**
- **Wireless LAN**
- **Digital Rights Management**
- **Generic User Profile**
- **UE Functionality Split**
- **Open Services Access**
- **Network Sharing**
- **Push**
- **IP Framework**
- **Priority Services**

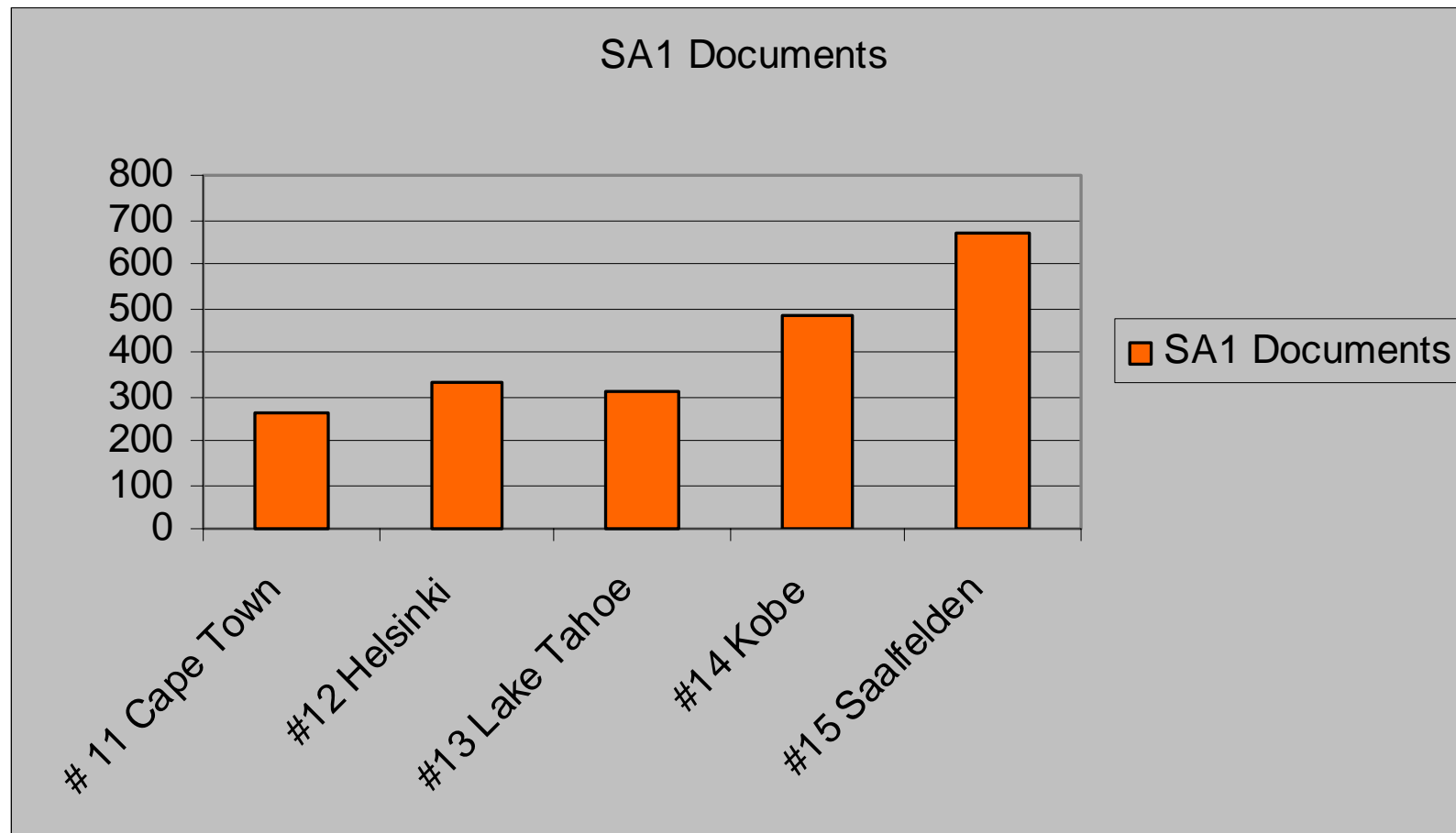
## *Meetings Held*

- **SA1 Plenary**
  - **S1#15: 11-15 February 2002**
  - **Saalfelden, Austria**
  - **Hosted by Siemens**
- **SA1 SWGs**
  - **13-18 January 2002**
  - **Phoenix, AZ, USA**
  - **Hosted by AT&T Wireless Services and Rogers Wireless**

# ***SA1 General Progress***

- **New Structure of SA1 plenary and separate SA1 SWGs session working well**
- **Joint session with SA2 particularly successful and will be repeated in October 2002.**

# SA1 Documents



# **CAMEL**

- **Detailed Tables in Annex to 22.078 a problem**
  - Too much detail, SA1 does not understand this and CN2 always proposes CRs
  - Solution: move tables to a CN2 specification
- **Proposed to have functional subsets for CAMEL Phase 4**
- **Non-progressed CAMEL 4 Enhancements:**
  - Charging Notification work can be completed
  - Dialed Services Enhancements proposed for removal<sup>TM</sup> from Release 5 (one objection from C-DOT)



# *Push*

- **Contributions proposing new text were discussed, resulting changes were added to the draft stage 1**
- **Multi-modal Push service under discussion**
  - Will be continued during next SWG
- **Push user profile proposed; would be part of GUP**
- **New draft stage 1 v0.6.0; being distributed to various 3GPP WGs**
- **Release 6 is new schedule for Push stage 1**

# ***UE Functionality Split***

- **SA1 authoring a technical report TR 22.944 on UE functionality split**
  - Only the scenario of a single active subscription is considered
- **Open issues in TR 22.944 (UEFS TR):**
  - Location of call control (and other non-access stratum functions) in the UE split scenario
  - The impact of ISIM will be determined and the TR revised once the ISIM issues have been resolved for Release 5
- **The interface between a TE and an MT uses the 27.007 and 27.005 AT command set.**
  - Additional functionality may be suggested in the future

# LCS

- **Progressed service requirements for Enhanced User Privacy.**
  - Three CRs to TS 22.071 Rel-5
  - Service requirements to be removed from TR 23.871 by SA2
- **Received request from GSMA SerG for inter-GMLC interface. SA1 supports the initiative and awaits change requests for TS 22.071.**
- **New event “change of area” for deferred location request included in TS 22.071 Rel-5.**
- **Closure of a loophole in privacy settings in TS 22.071 Rel 99, Rel-4, Rel-5.**
- **Discussions on LCS accuracy classes**
  - SA1 believes that accuracy classes based on service requirements will be helpful
  - GSMA SerG asked to advise on percentage of positioning attempts within a given distance

# ***SES (DSR)***

- **Name of group changed to Speech Enabled Services (SES)**
- **Progress made on TS 22.243 (DSR Stage 1)**
  - **Agreed that DSR is in IMS domain only. New clause on UE and network capabilities. Clarifications on security and privacy requirements.**
  - **Open issues concerning 3rd party application providers (provisioning, authorisation, charging).**
  - **Currently version 1.2.0. Not ready for approval within Rel-5 timescale.**
- **Feasibility study on Speech Enabled Services ongoing. Currently version 0.0.2**
- **SES to consider new work item proposal “Multi-modal and Multi-device application” at its next meeting**

# ***Generic User Profile***

- **Structure of the Stage 1 Specification was agreed upon**
- **Fundamental Concepts**
  - Initial functional concept diagram agreed upon
  - Some initial requirements agreed upon
- **Unclear if data redundancy / synchronisation within the network is required**
- **Usage case considerations are pending**
- **Work Plan**
  - Stage 1 Specification for Approval: September 2002
  - Coordination, Timescale issues to be resolved
  - See LS from SA1 to SA (S1-020571)

# OSA

- **OSA WID: update of expected deliverables and delivery dates**
- **OSA Rel.5 requirements completed**
- **Input from ETSI SPAN 14 (work on very familiar subject) still pending**
- **Some requirements for OSA in Rel.6 are already identified and under discussion**
  - retrieval of IP session information
  - Generic Network Interface
- **2 LS to 3GPP TSG CN5**
  - to clarify and confirm mutual understanding on certain requirements

# ***WLAN Interworking***

- **TR 22.934 v1.0.0**
  - Identifies several scenarios. Each scenario represents an additional step in integrating WLAN in 3GPP system based service offering.
  - Identifies a set of service and operational requirements
    - For scenario 2 (3GPP system based Access Control and Charging).
      - Roaming, Access Control, Charging requirements, Security and terminal requirements.
      - Main focus during last period
    - For scenario 5 (Seamless Services)
      - Handover requirements
  - Document sent to SA2, SA3, SA5 and presented at SA2#23.
  
- **WID updated : specification of stage 1 (update existing TS) for scenario 2. Continue study of other scenarios.**

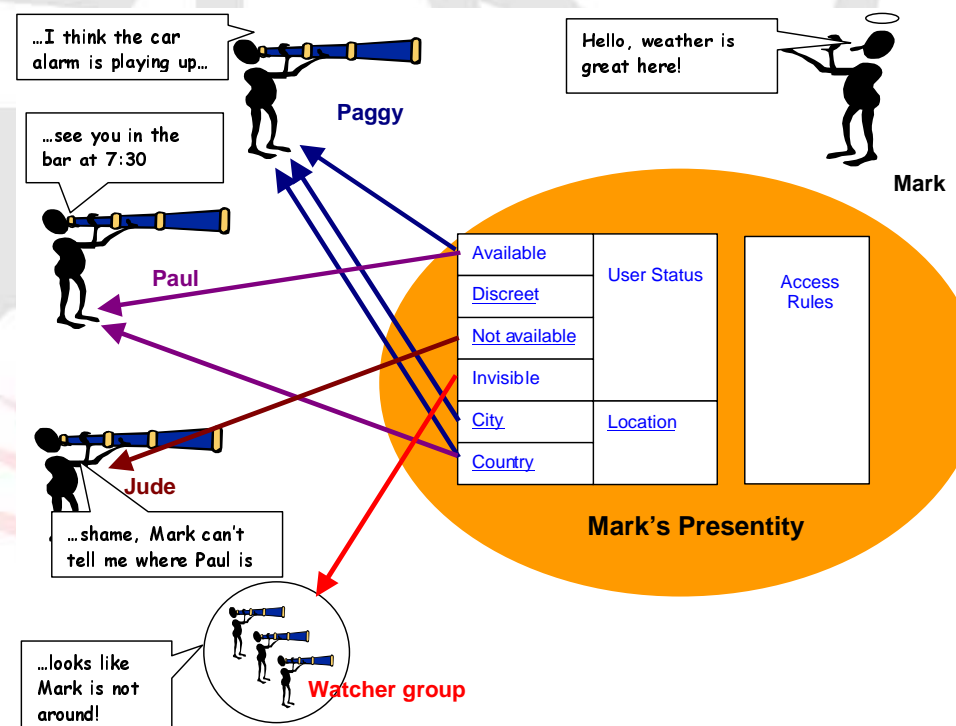
# ***Digital Rights Management (DRM)***

- **TS 22.242 is now at version 1.0.0, with significant progress made since Kyoto.**
- **The document contains normative sections for high level requirements:**
  - **general requirements**
  - **user requirements**
  - **UE requirements**
  - **usage rights**
  - **Security**
  - **privacy**
  - **Charging**
- **Informative annex has different use cases examples**
- **Sent to SA2, SA3, SA4, T2 and T3 WGs and to WAP Forum Download drafting committee for comments.**



# Presence Service (PS)

- PS Stage 1 stable, minor corrections/improvements:-
  - Addition of high level informative PS description
  - requirements modified allowing watcher to define which attributes trigger notifications, and which attributes are reported to the watcher
  - Clarification that watcher may request to be anonymous
  - Identification of access PS by external apps
  - Identification of access to PS data by a watcher from multiple devices



# ***Messaging***

- **Approved Rel-5 changes to 22.140 to enable:**
  - Use of both email and MSISDN to address a MMS recipient
  - “recipient party pays” charging mechanism
  - storage of configuration parameters for accessing the MMS
- **All the CRs have been issued to the Rel-5 stage 1 of MMS**
- **Attempting to establish closer relations with other WGs and external fora for involved with MMS**
- **Redrafting the Messaging SWG terms of reference**

# ***Network sharing***

- **Kick-off meeting held during S1#15**
- **Agreed the structure of the TR**
- **Added some network sharing scenarios**
- **TR editor: Telia, SWG chairman: T-Mobile UK (One 2 One)**
- **Work plan**
  - **TR ready for submission to SA#17**

# IMS

- **New work items proposed on IMS Messaging and IMS Group management.**
- **Long discussions on ISIM**
  - **Access to the IMS services shall be possible using an ISIM application. In Rel. 5 the ISIM application shall require the presence of a USIM application on the same UICC.**
  - **Access to the IMS services shall be possible using 3GPP release 99 and release 4 UICCs.**
- **Clarifications on public identities requirements.**
- **No requirements to identification portability for release 5.**
- **TS 22.228 has been stable for a long time.**

# ***Streaming***

- **TS 22.233 rev 2.0.0 Rel. 5, Transparent End-to-End Packet-switched Streaming Service**
  - Agreed in SA1 and submit to SA for approval
  - Requirements in stage 1 are in line with stage 2/3 TSs 26.233 and 26.234
- **Major changes since rev 1.0.0**
  - No support for DRM (Digital Rights Management) in Rel.5
  - Service interaction chapter added
  - Chapter on “Entities involved in streaming service” updated
  - Requirement to give the service provider means to terminate a streaming session added

# IP Based Services Framework

- **No Progress since last SA Plenary**

**TR 22.941 :**

How the diverse mechanisms (enablers) being standardised will collectively integrate to effectively meet service requirements and enable the deployment of envisioned services.

Requirements and Services

*Stable*

Systems Engineering

*Refinement Needed*

Enablers

*SA2, CN1, ... input needed*

Verification

*SA2, CN1, ... input needed*

Roadmap

*Future Evolution Workshop results ... input needed*

**SA Guidance: “Late” Release 5 Specification ?**

# ***MBMS***

- **Progress made in 2 meetings since SA#14**
- **Requirements now stable in SA1**

# *Priority Services*

- **Status of the feasibility study:**
  - Nearing Completion (expected completion by TSG SA#16)
  - Sent to TSG SA#15 for information
  - LS sent to other 3GPP WGs (SA2, SA3, SA5, CN1, CN4, RAN2, RAN3, T2 and T3) for feedback on the feasibility study
- **Remaining Issues**
  - PIN Based Solution
  - Multimedia and non-CS aspect of Priority Services
- **TR number assigned : TR 22.950**



# *Future SA1 Plenary Meetings*

- SA1#16 13-17 May 2002, Victoria, Canada, hosted by AWS
- SA1#17 12-16 Aug 2002, Durango, Colorado, USA, hosted by SBC
- SA1#18 11-15 Nov 2002, Korea, hosted by Samsung
- SA1#19 24-28 Feb 2003, no host
- SA1#20 12-16 May 2003, North America, hosted by NA Friends
- SA1#21 25-29 Aug 2003, Sweden, hosted by Telia
- SA1#22 10-14 Nov 2003, no host

# *Future SA1 SWGs*

- SA1 SWGs 08- 12 Apr 2002, Sophia Antipolis, France, ETSI
- SA1 SWGs 08 -12 Jul 2002, Italy, Omnitel Vodafone
- SA1 SWGs 14 -18 Oct 2002, Taiwan (co-located with SA2)
- SA1 SWGs 20-24 Jan 2003, no host
- SA1 SWGs 07-11 Apr 2003, no host
- SA1 SWGs 07-11 Jul 2003, no host
- SA1 SWGs 13-17 Oct 2003, no host

# ***SWGs Planned for Apr Meeting***



- **Speech Enabled Services (SES)**
- **Generic User Profile (GUP)**
- **IP Multimedia Services (IMS)**
- **LoCation Services (LCS)**
- **Messaging Services (MSG)**
- **Open System Architecture (OSA)**
- **Priority Services**
- **Push Services**
- **UE Functionality Split**
- **Wireless LAN (WLAN)**
- **Network Sharing**
- **Presence**
- **Inter SWG discussion**

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

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# *Documents/Issues from SA1 to SA (1/2)*

- Status of IP Framework (see slide 22)
- SP-020042 CRs to 22.011 R99/Rel-4 on clarification of the term 'country'
- SP-020043 CRs to 22.071 R99/Rel-4/Rel-5 on Closure of a loophole in the privacy settings
- SP-020044 CRs to 22.078 R99/Rel-4/Rel-5 on removal of handling of e-parameters provided by the SCP
- SP-020045 Editorial CRs to various TSs to correct terms and references
- SP-020046 CRs to 21.905 on definitions and abbreviations
- SP-020047 CRs to 22.071 Location Service Rel-5 on various issues
- SP-020048 CRs to 22.078 CAMEL Rel-5 on various issues
- SP-020049 CR to 22.101 Service principles Rel-5 on IMS access
- SP-020050 CR to 22.101 Service principles Rel-5 on Access to IMS services using ISIM
- SP-020051 CR to 22.101 Service principles Rel-5 on USIM support in Rel-5 GSM only terminals
- SP-020052 CR 22.101 Service principles Rel-5 on Service change and fallback for UDI/RDI multimedia calls
- SP-020053 CR 22.115 Rel-5 on Charging and billing

# ***Documents/Issues from SA1 to SA (2/2)***

- **SP-020054** CRs to 22.127 Rel-5 on various OSA issues
- **SP-020055** CRs to 22.140 Rel-5 on various MMS issues
- **SP-020056** CRs to 22.141 Rel-5 on various Presence Service issues
- **SP-020057** CRs to 22.146 Rel-5 on various MBMS issues
- **SP-020058** CRs to 22.228 Rel-5 on various IMS issues
- **SP-020059** TR 22.934, V1.0.0 “Feasibility study on 3GPP system to Wireless Local Area Network (WLAN) interworking” Rel-6 – For information
- **SP-020060** TR 22.950, V1.0.0 “Priority Service Feasibility Study Report” Rel-6 for information
- **SP-020061** TS 22.242, V1.0.0 “Digital Rights Management; Proposed Stage 1” Rel-6 – For information
- **SP-020062** TS 22.233, V2.0.0 “Transparent End-to-End Packet-switched Streaming Service Stage 1” Rel-5 – For Approval
- **SP-020063** CRs to 21.905 and 22.105 related to the Streaming Service Stage 1.
- **SP-020064** TR 22.944, V2.0.0 “Report on Service Requirements for UE Functionality Split” Rel-5 – For Approval
- **SP-020065** Various New WIs for Approval
- **SP-020066** Various Updated WIs for Approval