

TSGS#16(02)0234



Text report in SP-020235

SA1 Status Report to SA#16 ***SP-020234***

Kevin Holley, O₂
SA1 Chairman

O₂

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SA1 Leadership

- **Chairman: Kevin Holley (mmO₂)**
- **Secretary: Michael Clayton (MCC)**
- **Vice-chairs:**
- **Tommi Kokkola (Nokia),**
- **Randolph Wohler (SBC)***

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**

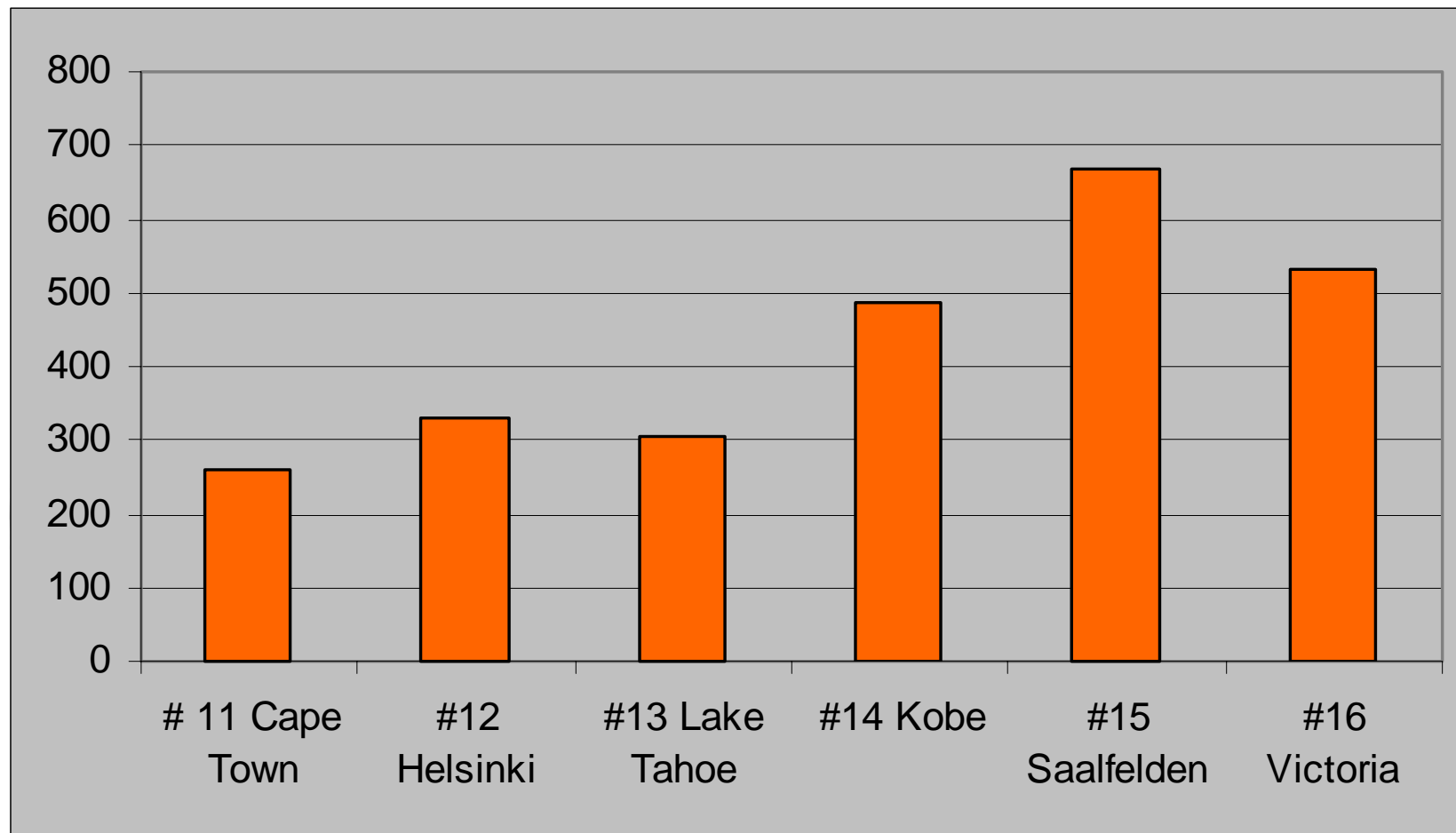
Meetings Held

- **SA1 Plenary**
 - **S1#16: 13-17 May 2002**
 - **Victoria, Canada**
 - **Hosted by AT&T Wireless and Rogers Wireless**
- **SA1 SWGs**
 - **08-12 April 2002**
 - **Sophia Antipolis, France**
 - **Hosted by ETSI**

SA1 General Progress

- **Some Release 5 tidy-up work but major emphasis on Release 6**
- **Some Rel. 6 items now passing to SA2 work (e.g Wireless LAN, DRM)**

SA1 Documents



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Messaging

- **MMS: CR on short codes proposed for approval**
- **IMS Messaging:**
 - **Some difficulties in defining the scope of the feasibility report**
 - **Progress in the definition of messaging types**
 - **Progress in the definition of high level service requirements**
- **TR 22.940 is now version 0.2.0**
- **Agreed to hold two sub working group meetings before SA1#17 instead of the one scheduled**

Speech Enabled Services

- **TR 22.977 submitted for information**
- **Agreed work plan**
- **Updated the WID for speech enabled services**
 - Updated terminology
 - Agreed to introduce multimodal services in the scope of the group (this may result in a new TS)

LCS

- **Work progressed on service requirements for Enhanced User Privacy.**
 - Proposals for further improvements to privacy by using “authorization tokens” and “anonymous requestor” are under consideration.
 - Security experts from SA3 attended SA1 to discuss codeword, trust model, client-requestor interface.
- **New WID for LCS enhancements – covers enhanced privacy, interaction with presence and other services, new events for triggered locations reports.**
- **SA1 is analysing GSMA Permanent Reference Document SE.23 on Location Based Services to see if service requirements are captured in TS 22.071.**

MBMS

- **MBMS workshop held May 6-7 2002**
- **Issues identified in workshop too late for handling by SA1 May 14-18**
- **MBMS issues will be handled July and August 2002**

IMS

- **WID for Rel 6 created**
 - Most of work done already (for release 5)
- **TS 22.101 and 22.228 IMS requirements divided to Rel 5 and 6**
 - This reflects earlier decisions and latest status of other WGs
- **Work started on IMS Group Management**
 - draft of TS 22.250 as basis for future contributions
- **ISIM / UICC related CRs drafted proposing allowing a UICC with an ISIM but no USIM**

Presence Service

- **Presence Service not in Rel. 5 due to unavailable Stage 2/3**
- **Rel. 5 TS22.141 (Stage 1) stable**
- **SA1 proposing R5 TS22.141 for R6**
- **New PS WID proposed**
 - **Minor maintenance and clarifications seen as principal activities**
- **Proposed to raise TS22.141 from V5.2.0 to V6.0.0, but what is the status in SA2?**

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

WLAN Interworking

- **TR 22.934 (Feasibility Study)**
 - Overall consolidation of the TR
 - Coverage situations
 - Ownership classes and trust relationships
 - Revisions of identified requirements for scenario 2 (3GPP based access control and charging)
 - Identified set of service requirements for scenarios 3 (access to PS based services from WLAN) and 4 (service continuity), covered in v1.2.0.
 - TR Not submitted for approval at SA#16 as initially planned.
 - Needs greater stability
- **Stage 1 work for scenario 2**
 - Not yet started

Digital Rights Management

- **TS 22.242 rev 2.0.0 Release-6**
 - Agreed in SA1 #16 and submit to SA for approval
- **Changes since rev 1.0.0**
 - agreement to have two DRM classes; “Forward Lock” and “Comprehensive DRM”
 - New chapter 5 for that simple forward-locking
 - Some other requirements in other chapters updated and clarified

Generic User Profile

- **Still long discussions in SA1**
- **GUP is not yet stable in SA1**
- **Additional meeting held 6-7 June**
- **Work behind proposed schedule**
- **Stability expected by SA#17**

UE Functionality Split

- **ISIM issues with UEFS completed**
- **No additional work on this foreseen at this time**
- **SWG closed**

OSA

- **Agreed CRs to clarify Rel.5 features**
 - Definition of call vs. session
 - Flexible Event Notification
 - Removal of References to Presence Service
- **Agreed CRs to postpone Rel.5 features to Rel.6 (alignment with CN5 work status)**
 - User Profile Management
 - Journalling
 - Information Services
 - Retrieval of Visited Network Capabilities
- **Agreed Rel.6 CR:**
 - Access to IP Session Information
- **Generic Network Interface Function under discussion for Rel.6**

Network Sharing SWG

- **Agreed a change request to 22.129 that introduces the concept of access rights for handover (Rel-5)**
- **Good progress on the Technical Report 22.951 (Service aspects and requirements for network sharing) for Release 6**
- **Targeting SA#17 for the submission of the TR for information**

Push

- **WID updated**
- **TS 22.174 (Push stage 1)**
 - now at v0.8.1 for input to Rome SWGs
- **Push is largely a capability; Service approach also included.**
- **Draft stage 1 submitted to SA for Information**

Priority Services

- **LS sent to other 3GPP WGs (SA2, SA3, SA5, CN1, CN4, RAN2, RAN3, T2 and T3) requesting feedback on the feasibility study**
 - LS responses considered
- **General conclusion of the Feasibility Study**
 - 3GPP specifications provide numerous capabilities to support Priority Service
- **Feasibility Study considered sufficiently complete to be presented to TSG SA#16 for approval (TR 22.950)**
- **CRs to existing 3GPP specifications to support Priority Service under consideration**

VHE

- **22.121 current version 5.3.0**
- **This contains references to User Profile which are out of line with current GUP thinking**
- **22.121 is not implemented beyond Stage 1**
- **=> proposed to convert TS into TR**

Emergency Telecommunications Service (ETS)

- SA1 received ITU input, Priority Service work is relevant to this
- SA1 produced Position Statement to be returned to ITU via SA – see SP-020229

Type Approval Code (TAC)

- **Current Structure of IMEI is based on the old “type approval” regime developed when GSM was first launched**
- **Having a separate FAC and TAC is wasteful of codespace**
- **Proposed to integrate the two fields**
- **Solution agreed by GISF and GSMA-TWG**
- **Simple SA1 CR but impact on other groups!**

Old IMEI Structure:

Bits 0-5 : old TAC (type approval code)

Bits 6-7 : FAC (factory allocation code)

Bits 8-14 : Serial number

New IMEI Structure:

Bits 0-7 : new TAC (type allocation code)

Bits 8-14 : Serial number

IP Based Services Framework

Will IP Multimedia Services Requirements be met?

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.

• Since last SA Plenary:
No Progress

Requirements
Services: Stable
Systems Engineering:
 Refinement Needed
 Enablers
 SA2, CN1, ... *input needed*
 Verification
 SA2, CN1, ... *input needed*
 Roadmap (move to new doc?)
 Future Evolution Workshop
 results ... *input needed*
 SA Guidance: “Late” Release 5
 Specification or Release 6?

SA1 Recommendation
 defer to Release 6



Future SA1 Plenary Meetings

- **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, Sophia Antipolis, hosted by ETSI**
- **SA1#20** **12-16 May 2003, North America, hosted by NA Friends**
- **SA1#21** **25-29 Aug 2003, Sweden, hosted by Telia**
- **SA1#22** **03-07 Nov 2003, Asia, hosted by NEC et.al.**

Future SA1 SWGs

- SA1 SWGs 08 -12 Jul 2002, Italy, Omnitel Vodafone
- SA1 SWGs 14 -18 Oct 2002, Shanghai, Huawei (with SA2)
- SA1 SWGs 20-24 Jan 2003, Phoenix, AWS (with SA2)
- SA1 SWGs 07-11 Apr 2003, ?, Lucent
- SA1 SWGs 07-11 Jul 2003, Sophia Antipolis, ETSI
- SA1 SWGs 13-17 Oct 2003, North America, NA Friends

***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 23)
- Presence: raising TS 22.141 from v5.2.0 to v6.0.0 (SA2 status of Presence?)
- Converting VHE Stage 1 22.121 from TS to TR
- SP-020236 Release 99/4/5 CRs to 22.004 on Correction of Table 3.2
- SP-020237 Release 99/4 CRs to 22.016 on Type Approval Code
- SP-020238 Rel-4 CR on Editorial corrections to 22.011
- SP-020239 Rel-4 CR to 33.043 Correction of terminology and references
- SP-020240 Rel-4/Rel-5 CR to 22.060 Editorial Corrections
- SP-020241 Rel-4/Rel-5 to 22.060 on Removal of 'Erasure'
- SP-020242 Rel-4 CR to 22.135 Corrections on terminology
- SP-020243 Rel-5 CR to 21.905 on removal of obsolete reference
- SP-020244 Rel-5 CR to 22.002 Correction of terminology and references
- SP-020245 Rel-5 CR to 22.003 on Corrections on ASCII and Fax - GERAN Iu mode
- SP-020246 Rel-5 CR to 22.057 on Correction usage of MExE application
- SP-020247 Various Rel-5 CRs to 22.078 on CAMEL
- SP-020248 Rel 5 CR to 22.105 GERAN Iu mode related updates
- SP-020249 Various Rel-5 CRs to 22.127 on OSA
- SP-020250 Rel-5 CR to TS 22.129 on access rights in connected mode
- SP-020251 Rel-5 CR to 22.140 - Introduction of short codes for VASP addressing
- SP-020252 Rel-5 CR to 22.228 v5.5.0 on REL5 clean up

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

- SP-020253 Various Rel-5 CRs to 22.944 on Service Requirements for UEFS
- SP-020254 Various Rel-6 CRs to 22.071 on Location Services
- SP-020255 Various Rel-6 CRs to 22.101 on Service principles
- SP-020256 Rel-6 CR to 22.127 on Access to IP Session Information
- SP-020257 Various Rel-6 CRs to 22.146 on MBMS
- SP-020258 Various Rel-6 CRs to 22.228 on Service requirements for IMS
- SP-020259 TR 22.977, V1.0.0 for Speech Enabled Services for information
- SP-020260 TR 22.950, Version 2.0.0 Priority Feasibility Report for approval
- SP-020261 TS 22.242, Version 2.0.0 DRM for approval
- SP-020262 Updated WID on speech recognition framework
- SP-020263 Updated Presence Service WID
- SP-020264 WI for Location services enhancements (Release 6)
- SP-020265 WI for IMS enhancements (Release 6)
- SP-020266 WI for the Push Service for (Release 6)
- SP-020267 Status of Rel-4 to Rel-5 TSs and TRs under SA1 control
- SP-020229 SA1's position on Priority Services
- SP-020230 Draft Push Stage 1 for Information