# Meeting Report of 3GPP SA3 LI#33 San Francisco

28-30 April 2009

**Management Team:** 

Chairman: Bernhard Spalt Siemens Vice Chairman: Alex Leadbeater BT Meeting Secretary: lan Cooper NTAC

List of participants: see annex A List of action points: see annex B

#### 1 Welcome

The Chairman welcomed Rajarshi Gupta for the first time and the other delegates to San Francisco. He thanked North American Friends of 3GPP for the meeting arrangements.

Peter Musgrove responded and gave some administration details.

# 2 Apologies

Apologies were received from Walter Marxt and Pierre Courbon.

# 3 Approval of Agenda

SA3LI09\_020r2

This was accepted without change.

The Chair noted that topics may not be handled according to the sequence within the Agenda for the following reasons:

• CR's on one topic for several specifications

- Give delegates the change to update / draft Tdoc's for the next day
- Availability of necessary/interested delegates

#### 3.1 Code of Conduct:

When attending a 3GPP SA3 LI meeting it is expected that each delegate will give the utmost respect to other delegate's personal and company possessions. A delegate must not attempt to invade other delegate's computers or read their papers without explicit permission.

Anyone found violating this trust will be asked to remove himself or herself from the meeting. The offending person will not be welcomed at future meetings and SA3 LI will request the company send another delegate.

For your information, a method of protecting your computer from piracy may be found at:

http://www.Brookson.com/gsm/howto.htm

#### 3.2 IPR Call Reminder

The Chairman **reminded** delegates of their company's obligations under their SDO's IPR policies:

The attention of the delegates to the meeting of this Technical Specification Group was drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates were asked to take note that they were thereby invited:

- to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP.
- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/lpr/).

There were no IPR calls from meeting delegates.

#### 4 Approval of last meeting report Dublin

SA3LI09 0021

This was agreed.

#### **4.1Review Action Points**

Nu mb er	Name	Action Item	Status
AP 07- 07	Bernhard, Jean T and Alex	Investigate VCC correlation using call id and p-charging vectors	Ongoing- proposal is to use this method but detail

			needed.
AP 08- 02	All	Monitor the CAT progress for LI impact (TR 23.872)	Ongoing (CAT deferred to Rel-9)
AP 08- 05	All	Propose solutions for call forwarding	Ongoing
AP 09- 01	Alex Leadbeater and George Babut	Draft Femtocell issues paper	Ongoing (note: LS <u>SA3L109_03</u> <u>6</u> on Home(e)N ode B is relevant)

# 5 Reports of other bodies which are relevant to SA3-LI

#### 5.1 SA

At the SA#43 plenary all CRs from the last meeting in Dublin were approved resulting in the following latest versions of the stage 2 and stage 3 documents:

TS 33.107 v8.7.1

TS 33.108 V8.6.1

#### 5.2 SA WG3

The Chairman drew the group's attention to TR 33.828 IMS media plane security found at:

http://www.3gpp.org/ftp/Specs/archive/33 series/33.828/33828-100.zip

Alex Leadbeater said that this will be discussed at the next SA WG3 in Shanghai and that there will be a need for SA3 LI to consider the LI impact when it becomes a TS.

In view of this, the Chairman placed the following action on the group:

Action	Name	Action Item	Status
AP09-02	All	Review TR/TS 33.828	New

George Babut added that there is interest in local internet breakout for Home Enode B. See also comments at Tdoc 036 & 039.

#### 5.3 ETSI TC LI

Peter van der Arend said there had been no meeting of TC LI since Dublin so there was no formal report. He noted the upcoming Rapporteur's meeting in Texel, 18-20 May, on the new WI for Dynamic Triggering. Ron Ryan asked how far this work had progressed. Alex Leadbeater replied that some early contributions had been made but these are all at a draft level at the moment. Peter said he would keep SA3 LI fully informed of progress and invited the group to participate directly if it wished.

In addition, Peter said there has been a request for TC LI to work on WiMAX solutions but there has been no WI yet. George Babut said that EPS rel-8 can utilize various access technologies, including WiMAX working to a 3GPP core. The Chairman added that there may be work for SA3 LI as a result of SA2 architecture developments. Ron Ryan said there are already WiMAX LI specifications based on the ATIS Internet Access which has specific additions for WiMAX.

#### 5.4 TISPAN WG 7

No report.

#### 5.5 WTSC-LI

Peter Musgrove reported on the meeting held last week when three topics were discussed: a long contribution from the LEA side on LAES for POC on which discussions continue; additional Canadian requirements for location updates; and the delta documents for North American regional requirements for the 3GPP LI range of specifications. It has been agreed that no change to 33.106 is required but there is a need to go back through all the releases of 33.107 and 33.108 to clarify the different options. There was discussion in the group on whether WTSC requests SA3 LI to reference the deltas in which case Annex H may not be needed. No decision was taken.

#### 5.6 ATIS PTSC LAES

Ron Ryan provided this report:

The subcommittee progressed work on the following projects:

- a. **Technical Report on LAES for Next Generation Networks**. The project continues to move slowly due to higher priority projects. A key issue is Voice Call Continuity. The target completion date has been moved to the end of 2009.
- b. **Technical Report on LAES for Advanced Conferencing Services**. The material is maturing and expected to go to ballot in August 2009. The focus is on VoIP conferences and not multi-media conferences.

- c. **Technical Report A User Guide for ATIS-100013.2007 LAES for Internet Access and Services (IAS).** The material is maturing and expected to go to ballot in August 2009. The TR provides assistance in the implementation of IAS.
- d. **Supplement B to ATIS-1000678.2006 LAES for VoIP**. The material is maturing and expected to go to ballot in August 20009. The supplement provides additional clarifications and corrections.

#### 5.7 TIA TR-45.8 LIG

Ron Ryan reported that the focus group progressed work on the following projects:

a. **Study of DoJ's J-STD-025-B LAES for cdma2000 Packet Data Deficiency Petition**. The report is maturing and expected to be ready for submission to TR-45.8 in May 2009. The study addresses the following issues: 1) Packet Activity Reporting; 2) Timing Information; 3) MT Location Information; 4) Security, Performance, and Reliability.

#### 5.8 Other bodies

The Chairman invited Government representatives for a summary of developments in their respective countries.

Koen Jaspers said that the main issue in The Netherlands is Retained Data legislation and the law for the EU Data Retention Directive is expected to be in place in September

Ian Cooper said that a Home Office public consultation is underway in the UK concerning the retention of data in a changing communications environment. He noted that the benefit of ETSI standards was recognised in a recent House of Lords debate.

In Germany, Gerd Steinrücke said there is a new directive for Retained Data and that Dynamic Triggering is a topic of interest but there is no detailed regulation yet.

In Austria the Chairman noted that there is no great impetus to introduce national law to underpin the EU DRD.

# **6 Incoming liaisons**

SA3LI09 022 LS on new GERAN WI on "Local Call Local Switch"

**GERAN** 

SA3LI09 040 LS on 'Local Call Local Switch'

CT 4

As they are related, these two liaisons were taken together. The first from GERAN to CT4, cc'd to SA3, informed of a new WI for local call switching in order to optimise backhaul transmission. The response from CT4 stated that they had agreed a WI to start a Technical Report to consider the impact on the core network as it could be significant and requested GERAN to refrain from progressing normative work. It also asked for SA3 LI to provide input for LI considerations.

Jean Trakinat agreed to write the LS response on behalf of SA3 LI. This set out the concerns and requirements for LI derived from TS 33.106 and was agreed as SA3L109 042r2.

#### SA3LI09 036 LS on Lawful Interception for H(e)NB local IP access SA 2

Documents relevant to this LS are:

TS 22.220

Service requirements for Home NodeBs and Home eNodeBs <a href="http://www.3gpp.org/ftp/Specs/archive/22">http://www.3gpp.org/ftp/Specs/archive/22</a> series/22.220/22220-900.zip

TR 23.830

Architecture aspects of Home NodeB and Home eNodeB <a href="http://www.3gpp.org/ftp/tsg\_sa/WG2\_Arch/Latest\_SA2\_Specs/Latest\_draft\_s2\_Specs/23830-040.zip">http://www.3gpp.org/ftp/tsg\_sa/WG2\_Arch/Latest\_SA2\_Specs/Latest\_draft\_s2\_Specs/23830-040.zip</a>

In <u>SA3LI09\_039</u> Home Node B Input Contribution Jean Trakinat presented a very useful input document which guided discussion in the meeting in response to the LS from SA2. Alex Leadbeater agreed to provide the LS response in **SA3LI09\_044**. This gave some interim answers for SA2 but made clear that there are still a number of areas unresolved which will require further study by SA3 LI. The general need for LI also with local IP address was identified and agreed.

#### SA3LI09 037 LS on local breakout and optimal media routing SA 2

Document relevant to this LS is:

TR 23.894

System enhancements for the use of IMS services in local breakout and optimal routeing of media <a href="mailto:ftp://ftp.3gpp.org/tsg">ftp://ftp.3gpp.org/tsg</a> sa/WG2 Arch/Latest SA2 Specs/Latest draft S2 Specs/2389 4-111.zip

The Chairman undertook to write the LS response and after some discussion this was agreed as **SA3LI09\_041r2**.

#### 7 GSM LI documents

The Chairman said that the following historic GSM documents are still under the control of SA3 LI. There are no references in them to the current TS 33.106/7/8 series but they are up issued by MCC with each new release. There are still many operators worldwide using basic GSM who may need the specifications. After some discussion it was decided to make no change to the way these documents are handled.

### 7.1 3GPP TR 41.033 V8.0.0 (2008-12) old 01.33

3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Digital cellular telecommunications system (Phase 2+); Lawful Interception requirements for GSM (Release 8)

### 7.2 3GPP TS 42.033 V8.0.0 (2008-12) old 02.33

3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Digital cellular telecommunications system (Phase 2+); Lawful Interception - stage 1 (Release 8)

### 7.3 3GPP TS 43.033 V8.0.0 (2008-12) old 03.33

3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; 3G Security; Lawful Interception; Stage 2 (Release 8)

### 8 TS 33.106 Rel. 7 and Rel. 8

8.1 Release 7 33.106v7.0.1

No input

8.2 Release 8 33.106v8.1.0

No input

# 9 TS 33.107 Rel. 7 and Rel. 8

9.1. Release 7 33.107v7.7.0

No input

SA3LI09 053r1

3GPP TSG-SA WG3-LI Meeting #34 Berlin, Germany, 14-16 July 2009

9.2. Release 8 33.107v8.7.1

SA3LI09 023 Correction on UE requested bearer resource modification – Alignment with SAE stage 2 specification Ericsson

Agreed.

SA3LI09 025 Clarification on parameter APN

**Ericsson** 

Agreed.

SA3LI09 027 Clarification on the handover between 2G/3G access and E-UTRAN with Gn/Gp Ericsson

After a wording clarification suggested by Ron Ryan, this was agreed as r1.

SA3LI09 029 Clarification on parameter PDN type

**Ericsson** 

Agreed.

#### 10 TS 33.108 Rel. 7 and Rel. 8

10.1 Release 7 33.108v7.9.0

No input

10.2 Release 8 33.108v8.6.1

SA3LI09 024 Correction on UE requested bearer resource modification – Alignment with SAE stage 2 specification Ericsson

Agreed.

SA3LI09 026 Clarification on parameter APN

**Ericsson** 

Agreed

SA3LI09 028 Clarification on the handover between 2G/3G access and E-UTRAN with Gn/Gp Ericsson

After a suggestion from Gabor Ungvari, this was agreed as r1.

SA3LI09 030 Clarification on parameter PDN type

**Ericsson** 

Agreed. After discussion it was accepted that we make ASN.1 version number changes with each CR submitted.

SA3LI09 031 Correction on GTPv2 instance in ASN.1 module for EPS Ericsson

Agreed as r1 after minor changes.

SA3LI09\_032 Correction on the coding of Protocol Configuration Options coding in ASN.1 for EPS Ericsson

Agreed.

SA3LI09 033 Correction on references in ASN.1 for EPS

**Ericsson** 

Agreed.

SA3LI09 034r1 33.108 Annex H CR

**TPS** 

There was a long discussion on this CR regarding SGSN and GGSN interception points and how to handle the issue for North America. Was handled once again as Tdoc 038

SA3LI09 035r1 TS 33\_108 Conferencing ASN.1 Typo CR

**TPS** 

After some discussion this was agreed as r2.

SA3LI09 038 TS 33.108 Annex H CR

**TPS** 

After some wording suggestions from Ron Ryan this was agreed as r2.

#### 11 Relevant standards for consideration

TS 23.401 v 8.2.0 GPRS Enhancements for E-UTRAN access SA 2 http://www.3gpp.org/ftp/Specs/archive/23 series/23.401/23401-820.zip

TS 23.402 v 8.2.0 Architecture Enhancements for non-3GPP accesses SA 2 http://www.3gpp.org/ftp/Specs/archive/23 series/23.402/23402-820.zip

TR 23.872 v 8.0.0 Study on architecture of IP Multimedia Subsystem (IMS) based Customized Alerting Tone (CAT)

http://www.3gpp.org/ftp/Specs/archive/23\_series/23.872/23872-800.zip

### 12 Continued Discussion and New Business

#### 12.1 Common IMS

In order to structure a discussion on dynamic triggering, with requirements and legal considerations, the Chairman posed the following set of scenarios:

- 1. LI could be activated within one domain within one country (standard)
- 2. LI could be activated within one domain (don't care about national borders)
- 3. LI could be activated within one country, domain / operator borders don't matter
- 4. LI could be activated at 'any' access server no domain or border restriction

Ron Ryan submitted a discussion paper <u>SA3LI09\_043</u> to aid analysis of the topic. The Chairman concluded that SA3 LI will discuss the outcome of the TC LI Rapporteur's group at the next meeting in Berlin.

### 13 Review meeting output / agreed

The following documents were agreed as CRs:

SA3LI09 023
SA3LI09 024
SA3LI09 025
SA3LI09 026
SA3LI09 027r1
SA3LI09 029
SA3LI09 030
SA3LI09 031r1
SA3LI09 032
SA3LI09 033
SA3LI09 035r2
SA3LI09 038r2

# **14 Outgoing Liaisons**

SA3LI09 041r2 SA3LI09 42r2. SA3LI09 44

# 15 Meeting dates and venue for next meeting

Organisation	Date	Venue	Host	Notes
TR-45.8 and LIG	May 7-8	Southlake, TX		
SA 3 #55	11-15 May '09			
TR-45.8 and LIG	May 11-15	Vancouver BC		
TC LI- Rap#21	18-20 May	De Koog, Texel NL		
SA#44	01-04 Jun '09			
TC LI#21	29 Jun-01 Jul '09	ETSI, Sophia		fixed
SA3#56	06-10 Jul '09			
TR-45.8 and	June 15-19	Newport Beach,		

LIG		CA		
SA3 LI#34	14. – 16. July '09	Berlin, Germany	Federal Office for the Protection of the Constitution (DE)	fixed
TR-45.8 and LIG	July 20-24 (TBC);			
WTSC LI	July 21-24			
PTSC LAES	Aug 17-21			
TR-45.8 and LIG	Aug 17-21 (TBC);			
SA#45	21-24 Sep '09			
TR-45.8 and LIG	September 21- 25	Hollywood, CA		
WTSC LI	Oct 5-9			
TR-45.8 and LIG	October 26-30 (TBC)			
SA 3 LI#35	3. – 5. Nov.'09	USA		
SA3 #57	16-20 Nov '09			
PTSC LAES	Nov 30-Dec 4			
SA#46	07-10 Dec '09			
TR-45.8 and LIG	Dec 7-11	Maui, HI		

Annex A List of participants

Name	Role	Organization
<u>Aslan, Niyazi</u>	Attendee	<u>BMWi</u>
Dabut Coorgo	Attendee	Rogers Wireless
Babut, George	Attenuee	Inc.
		<u>National</u>
Cooper, Ian	SECRETARY	<u>Technical</u>
		<u>Assistance</u>
Cupta Daiarchi	Attendee	Qualcomm
Gupta, Rajarshi	Attenuee	Incorporated.
Iovieno, Maurizio	Attendee	Telefon AB LM
iovieno, maurizio	Attenuee	<u>Ericsson</u>
<u>Jacobson, Terry</u>	Attendee	<u>Alcatel-Lucent</u>
Jaspers, Koen	Attendee	<u>PIDS</u>
<u>Leadbeater</u> , Alex	ViceChairman	BT Group Plc
Musgrove, Peter	Attendee	<u>AT&amp;T</u>
Ryan, Ronald D.	Attendee	Nortel Networks
(Ron)	Attenuce	(USA)
Spalt, Bernhard	Chairman	Siemens AG
Steinrücke, Gerd	Attendee	<u>BfV</u>
<u>Trakinat, Jean</u>	Attendee	<u>TPS</u>
<u>Ungvári, Gábor</u>	Attendee	Nokia Siemens
Oligvali, Gabol	Attenuce	<u>Networks</u>
<u>van der Arend,</u>	Liaison Off	<u>VODAFONE</u>
<u>Peter</u>	Liaison On	Group Plc
Wilhelm, Berthold	Attendee	<u>BMWi</u>

### Annex B List of actions

Nu mb er	Name	Action Item	Status
AP 07- 07	Bernhard, Jean T and Alex	Investigate VCC correlation using call id and p-charging vectors	Ongoing- proposal is to use this method but detail needed.
AP 08- 02	All	Monitor the CAT progress for LI impact (TR 23.872)	Ongoing (CAT deferred to Rel-9)
AP 08- 05	All	Propose solutions for call forwarding	Ongoing
AP	Alex	Draft Femtocell	Ongoing

09- 01	Leadbeater and George Babut	issues paper	(note: LS <u>SA3LI09 03</u> <u>6</u> on Home(e)N ode B is relevant)
AP 09- 02	All	Review TR/TS 33.828	New