

3GPP TSG SA WG3-LI
18-20 January, 2005
Barcelona, Spain

S3LI05_0xx

Picture

Please direct all comments to
Rupert Thorogood at rupert.thorogood@homeoffice.gsi.gov.uk

Management Team:

Chairman:	Brye Bonner	Motorola
Vice Chairman:	Alex Leadbeater	BT
Meeting Secretary:	Rupert Thorogood	UK Home Office

List of participants:	see annex A
List of action points:	see annex B
List of documents:	see annex C
List of Change Requests	see annex D
List of Liaison Statements	see annex E
Meeting Dates and Venues	see annex F

3G LI specifications:

3G TS 33.106 LI Requirements version 6.1.0:	Berthold Wilhelm (Reg TP)
3G TS 33.107 LI Architecture and Functions version 6.4.0:	Berthold Wilhelm (Reg TP)
3G TS 33.108 Handover Interface for LI version 6.8.1:	Ron Ryan (Nortel Networks)

1 Welcome and logistics

The meeting was opened by the Chairperson, Brye Bonner of Motorola, who welcomed the delegates. Bernhard Spalt of Siemens welcomed the delegates on behalf of the Meeting host the European Friends of 3GPP.

2 Apologies

Apologies were received from: Martin Kassen and Colin Gray.

3 Approval of the agenda

tdoc S3LI05_019r1

The agenda was approved after minor revisions in section 12.

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 Intellectual Property Rights (IPR) Policy:

The attention of the members of this Technical Specification Subgroup is drawn to the fact that 3GPP Individual Members shall be bound by the IPR Policy of their respective Organizational Partner and to inform their respective Organizational Partners of Essential IPRs. Individual Members should declare at the earliest opportunity, any IPRs which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.

The member are hereby invited to notify the Director-General, or the chairman of their respective Organizational Partners, of all potential IPRs that their company may own, by means of the IPR Statement and the Licensing Declaration forms (e.g., see the ETSI IPR forms <http://webapp.etsi.org/Ipr/>). The PCG shall maintain a register of IPR declarations relevant to 3GPP, received by the Organizational Partners.

There were no declarations.

4 Approval of meeting report from San Antonio tdoc S3LI05_002

There was one correction and the report was reissued as **tdoc S3LI05_002r1**.

5 Election of Vice-Chair for SA3-LI tdoc S3LI05_022

The document is a recommendation from BT for the post of Vice Chairman. There was no other nomination and Alex Leadbeater was elected Vice Chairman by acclamation.

6 Review Action Points tdoc S3LI05_002

There was only one outstanding action point **AP04_20** on the chair which was deferred until later in the meeting. **tdoc S3LI05_028** was later tabled by the Chair. This is a collection of 'For Further Study' items from the 3GPP LI documents. This was reviewed and updated and reissued as **tdoc S3LI05_028r1**. New Work Items and CRs will be submitted at the next meeting. The Action Point was closed.

7 Review outcome of LI and CRs to SA3

7.1.1 Change Requests - all change requests forwarded to SA3 for review were accepted by SA3 and SA. Release 6 is complete

Accepted Change Requests

156r2	Change Request 33.108 r6 – Correction to parameter GprsOperationErrorCode
157r1	Change Request 33.108 rel 5 – Correction to ULIC Header
158r1	Change Request 33.108 rel 6 – Correction to ULIC Header
161r1	Change Request 33.108 rel. 6 – Correction to the IMPORTS statements
162r2	Change Request 33.107 rel 6 - Interception for WLAN Interworking
172r1	Change Request 33.108 rel. 6 – Syntax Error in Annex B.3
173r3	Change Request 33.108 rel 6 – Deleting CC from SIP Message
174r3	Change Request 33.108 rel. 6 – Adding Domain ID to HI3 CS Domain Module
176r1	Change Request 33.108 rel. 6 – Syntax Error in Annex B.3a
179r1	New cover page for S3LI04_114r2 Change Request from Portugal meeting
180	ASN.1 Tree
181r4	Change Request 33.107 rel 6 - Clean-up
182	Change Request 33.107 rel 6 - Clarification on MMS Interception

8 Reports to SA3-LI

8.1 SA WG3 report

tdoc S3LI05_004

This was presented by Berthold Willhem. There were no questions.

8.2 SA report

tdoc S3LI05_016

The Chair added that for post release 6 that there is concern that the next Release is done in a timely manner and work has started on an official process to determine the content. The Working Groups are asked to consider reasonable time periods for the development of new features. The I-WLAN scenario 3 enhancement concerning QoS in Release 7 will need to be looked at in SA3 LI.

8.3 ETSI TC LI report

There has been no meeting since the last 3GPP meeting. Future meetings are February and June. There will be a WLAN Rapporteurs meeting at the beginning of February.

8.4 TR-45 LAES

tdoc S3LI05_017

This was reported by the Chair. There will be a second ballot review following a revision of J-std-025-B. J-STD-025-C has been cancelled. Future LI documents will just bear their appropriate title.

8.5 ATIS WTSC-LI (T1P1.5) report

tdoc S3LI05_018

The Chair reported that the report includes the result from WTSC-LI on the questionnaire in the ATIS invite letter concerning Timing for lawful interception. This is described fully in the document. The next meetings will be May and November.

8.6 TISPAN

Bernhard Spalt reported that there is a meeting this week and there will be a work item on LI in WG7. TISPAN wants to use IMS and proposes a workshop with members of 3GPP LI. Scott Cadzow is the promoter of the work item.

8.7 PTSC LAES (T1S1) report

tdoc S3LI05_013

This was presented by Ron Ryan of Nortel who said the key aspects are the call forwarding, conferencing and call transfer for VoIP. They are continuing to define intercept for IP network access.

9 Liaisons

9.1 ATIS – letter of invitation to technical experts meeting **tdoc S3LI05_023**

This was briefly introduced by the Chair but was deferred to new business under item 17.

9.2 Liaisons from CN4 and SA3

tdoc S3LI05_020

This was presented by the Chair and concerns the need for the IMSI at the PDG. After a protracted and detailed discussion involving MSISDN and IMEI it was agreed to form a small group comprising Alex Leadbeater, Bernhard Spalt, Giorgy Gulbani and Maurizio Iovieno to draft a LS to CN4 copied to SA3 to further define the requirements of the PDG. This will be **tdoc S3LI05_024**.

tdoc S3LI05_024 was later presented by Giorgi Gulbani of Nokia who outlined two responses to the Liaison (labeled Alternative Answer 1 and Alternative Answer 2). However Alex Leadbeater proposed an alternative response to Q2 in Alternative Answer 2. After some discussion it was decided to forward the Alternative Answer 2 response with Alex's Q2 answer to CN4 and SA3. Alternative Answer 1 will be further discussed as necessary given the response from CN4. After a further amendment this was agreed and reissued as **tdoc S3LI05_024r2**.

10 TS 33.106 Rel. 6 and Rel. 7

33.106 v.6.1.0

10.1 Updates to Release 6

There were no contributions.

10.2 CRs towards Release 7

There were no contributions.

11 TS 33.107 Rel. 6 and Rel. 7

33.107v.6.4.0

11.1 Updates to Release 6

11.1.1 Discussion – Reporting Conference Add Requests in an IMS Context **tdoc S3LI05_009**

This was presented by Selvam Rengasami of FBI/TrideaWorks who discussed the way users could be added to a conference. He proposed that the group discussed a solution and drew attention to **tdoc S3LI05_009a** and **tdoc S3LI05_009b**. The problem revolves round when and in which order the associate (subject B) joins the conference. Questions were raised on the likelihood of this scenario occurring and the viability of the solution.

11.1.2 Discussion – Reporting Conference Drop Requests in an IMS Context **tdoc S3LI05_010**

This was presented by Selvam Rengasami of FBI/TrideaWorks and was discussed in conjunction with the previous item. It was discussed with **tdoc S3LI05_010a**.

After some discussion the Chair suggested that a study group be set up to investigate the situation in which the CSCF will not have the information needed and to see if new IAPs are required. The Group will consist of Selvam Rengasami (coordinator), Ron Ryan, Koen Jaspers, Bernhard Spalt, Brye Bonner, Ralf Schmalbach and Cheryl Blum. This will be a paper for the next meeting in April.

tdoc S3LI05_009 and **tdoc S3LI05_010** were noted.

11.2 CRs towards Release 7

11.2.1 WLAN Interworking – Additional Details

tdoc S3LI05_007

This was presented by Selvam Rengasami of FBI/TrideaWorks and is a development of work previously discussed. The contribution makes recommendations for additional text.

In section 9.3.2 Table 2 Information Events for Packet Data Event Records was examined in detail and some items removed from table and marked for further study.

Proposed Sections 9.4.1 I-WLAN Access Initiation, 9.4.2 I-WLAN Access Termination, 9.4.3 I-WLAN Tunnel Establishment, 9.4.1 I-WLAN Tunnel Disconnect and 9.4.5 Start of Intercept with I-WLAN Communication Active were reviewed and a number of amendments and re-arrangements made. Some items were noted for further study.

This document will be revised and reissued at the next meeting.

12 TS 33.108 Rel. 6 and Rel. 7

33.108-v.6.8.1

12.1 Release 6

12.1.1 Wrong Implementation of CR 061

tdoc S3LI05_014

This was presented by Maurizio Iovieno of Ericsson and corrects mistakes when the original CR was imported into the TS. It was decided to send the corrected text directly to Maurice Pope rather than place a formal CR in the system. Maurizio Iovieno will prepare 014r1.

Action Point AP05_01 Chair to send the correction in **tdoc S3LI05_014r1** directly to Maurice Pope.

12.1.2 Discussion – ASN.1 Modules – Inconsistency of OIDs **tdoc S3LI05_011**

This was presented by Manfred Beierer of Reg TP to remedy an inconsistency in R6 which although not imperative would be desirable. The documents **tdoc S3LI05_025** and **tdoc S3LI05_026** are the corresponding Change Requests. The CRs were agreed for Release 6 and Release 7 respectively after amending the version number and the consequences entry and reissued as **tdoc S3LI05_025r1** and **tdoc S3LI05_026r1**

12.2 **Release 7**

12.2.1 Change Request – Correlating SIP-IRI with IR and CC **tdoc S3LI05_003**

This was presented by Giorgi Gulbani of Nokia and proposed to remedy a possible implementation problem. He explained this in **tdoc S3LI05_003a** but after considerable discussion this led to a general debate on correlation numbers where there are two sessions. Bernhard Spalt proposed a discussion document for which he will liaise with Giorgi Gulbani. The document was consequently withdrawn.

12.2.2 Discussion – Correlation of CC and IRI or IMS Interception **tdoc S3LI05_006**

This was withdrawn following the discussion in the previous item.

12.2.3 Change Request – WLAN Interworking – Interception Details **tdoc S3LI05_008**

This was presented by Selvam Rengasami of FBI/TrideaWorks and is based the work for TS 33.107 in **tdoc S3LI05_007** and is proposed as chapter 8 of TS 33.108. The paper was examined in detail and it was identified that different correlation numbers might be required for each tunnel and Koen Jaspers was asked to produce a discussion paper to the next meeting. Much of what was discussed was also identified during the discussion on **tdoc S3LI05_007** and will be incorporated in the revised paper.

When reviewing the modification to B.3 it was suggested that the I-WLAN ASN.1 module be separate from the PS and IMS modules. This was agreed.

Action Point AP05_02 Koen Jaspers to produce a discussion paper on the requirement for different correlation numbers for each tunnel **tdoc S3LI05_008** refers.

12.2.4 Change Request - Aligning HI3 with HI2 **tdoc S3LI05_015**

This was presented by Giorgi Gulbani of Nokia and proposed to align comments in National-HI3-ASN1parameters with comments in National-HI2-ASN1parameters to overcome misalignment of comments in similar parameters. Only when the module is changed will the Release number changed therefore this CR will be for Release 6. After some editorial corrections this was reissued as **tdoc S3LI05_015r1**.

13 Continued Discussion and New Business

13.1 Working Draft – ASN.1 tree structure of the Security Domain **tdoc S3LI05_012**

This was presented by Manfred Beierer of Reg TP who said that 3GPP LI had agreed that the 3GPP branch should be incorporated in the ETSI ASN.1 Structure. This has now occurred. The document was noted and appreciated.

14 Review meeting output

Change Requests

tdoc S3LI05_025r1 (agenda item 12.1.2) was reviewed and agreed.

tdoc S3LI05_027 (agenda item 12.1.1 and **tdoc S3LI05_014**). Wrong implementation of CR060 on Release 5 of 33.108. Maurizio Iovieno further amended the text and reissued as **tdoc S3LI05_027r2**. The relevant CR will be attached and despatched to Maurice Pope.

tdoc S3LI05_014r1 (agenda item 12.1.1) corrects the implementation of the CR061 on Release 6 of 33.108. The relevant CR will be attached and despatched Maurice Pope.

15 Next meeting agenda, work plan

[Need work plan for next SA3 meeting](#)

16 Review Action Points

17 New business

17.1 Discussion paper on Timing and Sequence of LI events for JEM meeting **tdoc S3LI05_005** (**tdoc S3LI05_023** also refers)

This was presented by Giorgi Gulbani of Nokia and proposed a reply for the JEM meeting in response to the invitation in **tdoc S3LI05_023**. In an accompanying PPT presentation he made the point that National specific legal matters are out of scope. He went on to say that the IRI record delivery does not depend on the type of the CC data (real time vs non real time). He concluded that it would be easier and cheaper if CSCF would add a sequence number parameter to each IRI record. This would also provide for error detection if an IRI record was lost.

It was proposed that the input to the JEM meeting should follow the points made in **tdoc S3LI05_005** and the corresponding CR is at **tdoc S3LI05_005b** which recommended that an Optional **IRISquenceNumber** parameter is added to the IRI-Parameters.

tdoc S3LI05_005 was examined in considerable detail as there are conflicting requirements in the group between those of the law enforcement authorities and the practicable realisation of a system. During this debate the LE Representatives made the point that, contrary to common belief, IRI was not always received either before the CC or in a timely manner.

tdoc S3LI05_005r2 was agreed and will be finalised as **tdoc S3LI05_005r3** for the Chair to use in her presentation at JEM. **tdoc S3LI05_005a** and **tdoc S3LI05_005b** were noted.

18 Meeting date and venue for next meeting.

Sophia Antipolis, 5-7 April, 2005

For the next meeting the cut off date for contributions to be distributed and uploaded is 30 March.

19 Close of meeting

The Chair thanked the delegates for their participation and the European Friends of 3G for organising the meeting facilities.

Annex A: List of Participants

Name			Company	e-mail
Mr	Peter	Arend vd	KPN	p.c.j.vanderarend@kpn.com
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Annex B: List of Action Points

2004	Name	Action Item	Status
AP05_01	Maurizio Iovieno	to send the correction in tdoc S3LI05_014 directly to Maurice Pope	Closed
AP05_02	Koen Jaspers	produce a discussion paper on the requirement for different correlation numbers for each tunnel tdoc S3LI05_008 refers	Open
AP05_03	Brye Bonner	update tdoc S3LI05_028 and start a new work item list and produce the CR list arising from it.	Open

Annex C: List of Documents

TD # S3LI04	Title	Source	Meeting	Doc for	Comments	Status
001	Pre-Agenda	Chair	2005-01	Information		
002	San Antonio Meeting Report	Secretariat	2005-01	Approval		
003	Correlating SIP IRI with IRI and CC	Nokia	2005-01	Approval		noted
004	SA3#36 draft report	Rapporteur	2005-01	Discussion		noted
005	Timing and sequence of events	Nokia	2005-01	Approval	r2 to be used for input into JEM	Approve r2
006	Correlation of CC & IRI for IMS interception	Siemens	2005-01	Discussion		noted
007	WLAN Interworking - Additional Details for TS 33.107	FBI/Tridea Works	2005-01	Approval	Revise and Resubmit for next meeting	noted
008	WLAN Interworking - Interception Details for TS 33.108	FBI/Tridea Works	2005-01	Approval	Revise and Resubmit for next meeting	noted
009	Reporting Conference Add Requests in an IMS Context	FBI/Tridea Works	2005-01	discussion		noted
010	Reporting Conference Drop Requests in an IMS Context	FBI/Tridea Works	2005-01	discussion		noted

TD #	Title	Source	Meeting	Doc for	Comments	Status
S3LI04						
011	Inconsistency of the HIM OID	Reg TP	2005-01	discussion	CR 25 and 26	
012	ETSI dTR 00015 Working Draft – ASN.1 tree structure of the Security Domain	Reg TP	2005-01	Information		noted
013	ATIS PTSC Correspondence	Rapporteur	2005-01	Information		noted
014	Wrong Implementation ULIC Header –rel 6.	Ericsson	2005-01	Approval	To be sent to Maurice for MCC editor correction	Approved R1
015	Change Request – Aligning Comments in National-HI3-ASN.1 Parameters with comments in National-HI2- ASN.1 Parameters	Nokia	2005-01	Approval		Approved R1
016	SA# 26 Draft Report	SA	2005-01	Information		noted
017	TIA TR-45 LAES Report	Rapporteur	2005-01	Information		noted
018	ATIS WTSC-LI Report (T1P1.5)	Rapporteur	2005-01	Information		noted
019	Draft Agenda	Chair	2005-01	Approval		Approved R1
020	Liaison from CN4	CN4	2005-01	Approval	Response in liaison 24	Approved 24r2
021	Withdrawn					
022	BT support letter for Alex Leadbeater for Vice-Chair	BT	2005-01	Information		
023	Liaison – Letter of Invitation to ATIS Technical Experts meeting on Timing for Lawful Intercept	Rapporteur	2005-01	Discuss	S3-LI presentation	Approved 005R2
024	Liaison to CN4, cc SA2, SA3	Chair	2005-01	Approval		Approved 24r2
025	Change Request – TS 33.108 Inconsistence in Annex B.5	Reg TP	2005-01	approval		Approved r1
026	Change Request – TS 33.108 Obsolete Import statement in annex B.6	Reg TP	2005-01	approval		Approved r1
027	Wrong Implementation in ULIC Header release 5	Ericsson	2005-01	approval	To be sent to Maurice for MCC editor correction	Approved r1

TD #	Title	Source	Meeting	Doc for	Comments	Status
S3LI04						
028	Living document – For further study items in 33.106, 33.107, and 33.108	Chair	2005-01	information		To be updated r1
029	Draft Meeting Report for Barcelona	Secretariat	2005-01	approval		

Annex D: List of Change Requests

15r1	CR for 33.108 Aligning Comments in National-HI3-ASN.1 Parameters with comments in National-HI2- ASN.1 Parameters
25r1	CR for 33.108 Inconsistence in Annex B.5
26r1	CR for 33.108 Obsolete Import statement in annex B.6

Annex E: List of Liaison Statements

005r2	Material for ATIS Technical Experts Meeting on Timing for Lawful Intercept
24r2	LS to CN4, CC SA3, SA2 IMSI Usage in PDG

Annex F: 2005 Meeting Dates and Venues

Meeting Number	Meeting Date	Meeting Venue	Sponsor	Notes
17	5-7 April	Sophia Antipolis	ETSI	
18	14-16 June	Toronto (TBD)		
19	18-20 October	TBD		