

**3GPP TSG SA WG3-LI**  
**14-16 April, 2004**  
**Roma, Italy**

**S3LI04\_092**



Please direct all comments to  
Rupert Thorogood at [rupert.thorogood@homeoffice.gsi.gov.uk](mailto:rupert.thorogood@homeoffice.gsi.gov.uk)

Management Team:  
Chairman:  
Vice Chairman:  
Meeting Secretary:

Brye Bonner  
Burkhard Kubbutat  
Rupert Thorogood

Motorola  
O2 Germany  
UK Home Office

List of participants:  
List of action points:  
List of documents:  
List of Change Requests  
List of Liaison Statements

see annex A  
see annex B  
see annex C  
see annex D  
see annex E

Meeting Dates and Venues

see annex F

3G LI specifications:

3G TS 33.106 LI Requirements version 5.1.0:	Berthold Wilhelm (Reg TP)
3G TS 33.107 LI Architecture and Functions version 5.6.0:	Berthold Wilhelm (Reg TP)
3G TS 33.108 Handover Interface for LI version 5.7.0:	Ron Ryan (Nortel Networks)
3G TS 33.106 LI Requirements version 6.0.0:	Berthold Wilhelm (Reg TP)
3G TS 33.107 LI Architecture and Functions version 6.1.0:	Berthold Wilhelm (Reg TP)
3G TS 33.108 Handover Interface for LI version 6.5.0:	Ron Ryan (Nortel Networks)

## 1. Welcome and logistics

The meeting was opened by the Chair Brye Bonner of Motorola who welcomed the delegates to Rome.

Maurizio Iovieno on behalf of EF3 welcomed the delegates and gave the administrative arrangements. This was followed by introductions and a welcome to Cheryl Blum of Lucent and Willy Vebestel of RIM. Brad Owen has left Standards work.

## 2. Apologies

Apologies were received from: Martin Kässens, Manfred Beierer and Brad Owen (who has left Standards Work).

## 3. Approval of the agenda

The agenda **tdoc S3LI04\_080** was approved with an addition of the T1P1.5 report **tdoc S3LI04\_088** and also the draft LS to ITU-T **tdoc S3LI04\_087** in 14.1 and some minor corrections. The agenda was later reissued as **tdoc S3LI04\_080r1**.

## 4. 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>

## 5. 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 IPR statements.

## **6. Approve meeting report from Miami**

The Miami meeting report, **tdoc S3LI04\_081**, was accepted with a modification to the comment in 8.2 regarding **tdoc S3LI03\_112r2** and **tdoc S3LI03\_113r2** not being implemented correctly. The report was subject to a reduction in picture size. There was an amendment to the document list. The list of specifications needs to have the version numbers updated. The definitive version is available as **tdoc S3LI04\_081r1**.

## **7. Review Action Points**

The action points are listed **tdoc S3LI04\_081**. All the outstanding action points are closed.

## **8. Review outcome of SA3-LI LSs and CRs**

8.1 Liaisons: all the LS were approved

8.1.1. S3LI04\_024 LS to SA1 on new acronym

8.1.2 S3LI04\_042R2 LS to SA2, SA3 WLAN

8.1.3 S3LI04052 LS to CN2

8.2 Change Requests

8.2.1 S3LI04\_005r1 Change Request - Corrections to U.S. Requirements. Returned to SA3 LI for further study.

\*\*\*Reference was made to the January meeting notes and the discussion on the timing requirements that ensued. This was deferred until later in the meeting in agenda point 14.

8.2.2. S3LI04\_007r2 Change Request - Corrections to Tables 6.2, 6.7, 6.11, and ASN.1. Approved SA3 and SA.

8.2.3 S3LI04\_008r1 Change Request - Corrections to Correlation. Approved SA3 and SA.

8.2.4 S3LI04\_009r1 Change Request - Correction to Identifiers. Approved SA3 and SA.

8.2.5 S3LI04\_013r9 Change Request QoS 33.108 R5. Approved SA3 and SA.

8.2.6 S3LI04\_014r10 Change Request QoS 33.108 R6. Approved SA3 and SA.

CRs 13 and 14 require further revision because the ASN.1 Object tree had not been updated.

8.2.7 S3LI04\_015r2 Change Request - Syntax error in Annex B.3. Approved SA3 and SA.

8.2.8 S3LI04\_018r1 Change Request - Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record. Approved SA3 and SA.

8.2.9 S3LI04\_019r1 Change Request - Correction on the description of “initiator” in PDP Context Modification CONTINUE record. Approved SA3 and SA.

8.2.10 S3LI04\_020r1 Change Request - Correction on the use of session initiator parameter. (Unfortunately missed from the package of CRs to SA3 so was not reviewed by SA3 and SA. To go to SA3 and SA for next meeting).

8.2.11 S3LI04\_048 Change Request - Clarification on the use of IRI-END record in PS interception. Approved SA3 and SA.

8.2.12 S3LI04\_049r1 CR 33.108 Editorial Corrections. Approved SA3 and SA.

8.2.13 S3LI04\_050r1 CR- 33.108 R5 Syntax Error in Annex B.4. Approved SA3 and SA.

8.2.14 S3LI04\_016r1 Change Request - Adding an encryption parameter to IRI across X2 interface. (Should have been in package, Chair had an incorrect status of “noted” on the CR. To go to SA3 and SA for next meeting.)

## 9. Reports

### 9.1 SA WG3 report

This was tabled as **tdoc S3LI04\_079** and presented by Berthold Wilhelm of RegTP who said that this was the report from Edinburgh and reiterated that the CRs (with one exception) had been improved. WG SA3 documents 33.220, 33.221, 33.234 have been approved. As were 33.310 33.817. 33.141, 33.222, and 33.246 are ongoing.

## 9.2 SA report from SA#23

This report was tabled as **tdoc S3LI04\_085** and commented on by the Chair who said that in September there will be a functional freeze for release 6. There is a new Work Item form that has been approved.

## 9.3 ETSI TC LI report

This was tabled as **tdoc S3LI04\_076r1** and presented by Giorgi Gulbani of Nokia who is the Rapporteur between the two groups. He reported that the meeting in Oxford and noted the CRs for consideration by 3GPP LI. He later tabled and amendment as **tdoc S3LI04\_076r2**.

Bernhard Spalt commented that the TC LI CR69r2 tdoc 51 at Oxford was still subject of review with Swisscom.

**Action Point 04/08:** Bernhard Spalt to bring in CR against TC LI Oxford CR069r2 tdoc 51r2 following review with Swisscom) to the July meeting.

**Action point 04/09:** Jean-Francois Zell to bring CR against TC LI Oxford CR060 tdoc 30 to the July meeting.

**Action Point 04/10:** Manfred B to bring in CR against TC LI Oxford CR058r2 tdoc 48r2 to the July meeting.

**Action Point 04/11:** Rapporteur of 101.671 to bring in 3 CRs against TC LI Oxford: CR 054 tdoc 019, CR055 tdoc 20, and CR061 tdoc42.

ETSI TC LI have a new work item for the handover interface for Wireless LANs. The T1P1 document had also been noted regarding handover for VoIP and is also being considered. He suggested that cooperation between the various groups was essential.

Outstanding Actions are that TC LI CRs listed in the Oxford report will be passed to Ron Ryan for possible inclusion in 33.108.

Ron Ryan pointed out that the handling of the SIP message in the T1S1 document T1.678 was different to that in 201.671 even though the basic functionality was the same. There are two possibilities in T1.678. Further harmonization is necessary and Ron Ryan and Giorgi Gulbani will discuss this offline and revision will be issued.

Peter van der Arend commented that TC LI had appointed Greg Ratta and the Liaison Officer between TC LI and T1S1.

**Meeting Note – when sending contributions the title should be included as well as the tdoc numbers.**

#### 9.4 TR-45 LAES

This was tabled as **tdoc S3LI04\_084** and presented by the Chair following the meeting in Vancouver in March. The meeting had been held in conjunction with TR45.2 and TR45.6 to commence work on CALEA and additional capabilities. The J-STD-025C only deals with CALEA but since LE needs additional material, the Project Number-0125 seeks to do this. PN-0125 is expected to be available in September 2005. A minor amendment was made to the report and it was tabled as **tdoc S3LI04\_084r1**.

Ms Cheryl Blum, Chair of TIA TR 45, elaborated on the harmonization work between UMTS and cdma 2000 on the IMS/MMD, for instance the support of the IMS/MMD control and user plane that had taken place in cdma2000.

#### 9.5 T1P1.5 report

This was given verbally by Ron Ryan against **tdoc S3LI04\_088** which was later tabled.

Ron Ryan reported that T1P1.5 held an interim meeting in February 2004 to: a) review modifications made to T1.724 UMTS Handover Interface for Lawful Intercept as a result of the ANSI default ballot; and b) to review any comments from the public review of the proposed American National Standard (ANS). The modifications were determined to accurately reflect the accepted ballot comments and there were no ANSI public review comments. The approved ANS T1.724 was then sent to publication in February.

Ron Ryan also reviewed the process by which T1P1.5 planned to align 3GPP TS 33.108 with the approved T1.724 which was based on R5 of TS 33.108: CRs based on the approved modifications for T1.724 would be developed and submitted against TS 33.108 R6 to achieve alignment at the R6 3GPP specification level.

Bernhard Spalt asked if there is to be a new name for the group and Ron responded that this was under review.

Peter van der Arend asked whether 33.108 will continue to have a US annex. The Chair said that now there is a US standard then the US annex in 33.108 could be withdrawn.

#### 9.6 TISPAN

Peter van der Arend said that there had been an LS to TC LI relating to the new spec on the IP handover but there was nothing significant to report.

## 10. Liaisons to SA3 LI

### 10.1 TR45 LAES

This was tabled as **tdoc S3LI04\_083** and was introduced by the Chair and discussed the proposal for a co-located meeting in New Orleans in the Autumn. After some discussion it was decided that the joint sessions would be informal and voluntary and in the form of presentations.

The Chair will draft a response to TR45 to say that an opportunity exists. This will be **tdoc S3LI04\_091** and it will be circulated by e-mail.

## 11. TS 33.106 Rel. 5 and Rel. 6

### 11.1 Updates to Release 5 33.106 v.5.1.0

There were no contributions.

### 11.2 Contributions towards Release 6 33.106v.6.0.0

#### 11.2.1 Change Request –Clarification on delivery of IRI and CC

This was tabled as **tdoc S3LI04\_056** and introduced by Maurizio Iovieno of Ericsson. There was a short discussion in order to maintain the alignment with 201.671 and after a small amendment this will be reissued as **tdoc S3LI04\_056r1**. This was later reviewed and accepted.

There was some uncertainty as to whether there is still a requirement for CC only and Selvan Rengasami will ascertain the US LEA requirement.

**Action Point 04/12:** Selvan Rengasami will ascertain the US LEA requirement for IRI and/or CC.

## 12. TS 33.107 Rel. 5 and Rel. 6

### 12.1 Updates to Release 5 33.107 v.5.6.0

There were no contributions.

### 12.2 Contributions towards Release 6 33.107v.6.0.1.0

#### 12.2.1 Change Request – Functional Architecture for IMS

This was tabled as **tdoc S3LI04\_055** and was presented by Marcus Lutz of Alcatel who said that when this was discussed in Miami there was no agreement on this modification. After some discussion it was decided to revisit the document later in the meeting . This document was later withdrawn and incorporated in **tdoc S3LI04\_090**.

**Action Point 04/13** The Chair and Marcus Lutz will take an action point to clarify the text with the diagrams in **tdoc S3LI04\_055**

CR on 33.107 v6.1.0 **tdoc S3LI04\_090** was presented by Marcus Lutz of Alcatel and proposes enhancements for the Functional Architecture chapter in respect of IMS interception. This replaces **tdoc S3LI04\_055** and **tdoc S3LI04\_060**. After some amendment this was reissued as **tdoc S3LI04\_090r2**. and accepted subject for e-mail approval.



### 12.2.2 Change Request – Correction on Network Initiated Mobile Station Detach Signalling Flow

This was tabled as **tdoc S3LI04\_057** and was presented by Maurizio Iovieno of Ericsson and notes misinformation in the signalling flow. This was approved with a change in date and source and will be reissued as **tdoc S3LI04\_057r1**. This was later reviewed and accepted.

### 12.2.3 Change Request – TEL-URL missing in activation of LI in the CSCF

This was tabled as **tdoc S3LI04\_058** and was presented by Maurizio Iovieno of Ericsson and points out the misinformation. The amendment and the proposal to combine notes 5 and 6 was accepted. This will be reissued as **tdoc S3LI04\_058r1**. This was later reviewed and accepted.

### 12.2.4 Change Request – Correction on the use of session initiator parameter. Agreed to at the January meeting and mistakenly not forwarded to SA3 for approval.

This was tabled as **tdoc S3LI04\_059** and was presented by Maurizio Iovieno of Ericsson. After some discussion on the different descriptions in 33.107 and 33.108 it was accepted as modified replacing **tdoc S3LI03\_020r1** from Miami. This will be reissued as **tdoc S3LI04\_059r1**. This was later reviewed and accepted.

### 12.2.5 Change Request – Correction on the LI architecture for HLR

This was tabled as **tdoc S3LI04\_060** and was presented by Maurizio Iovieno of Ericsson. It was decided to take out the delivery function as shown and add IMS CSCF configuration to the figure 1.d and then adjust the diagram size. This was later withdrawn and incorporated in **tdoc S3LI04\_090**.

### 12.2.6 Change Request - Functional Architecture for WLAN Interworking Interception

This was tabled as **tdoc S3LI04\_065** and was introduced by Selvam Rengasami of ESTS and looks at section 4 functional architecture particularly figure 1.d. After considerable discussion, with interventions by Alex Leadbetter, Ron Ryan, Giorgi Gulbani, Koen Jaspers and Maurizio Iovieno, it was decided that the SMS interception could be done at the PDG or the MSC. It was decided to leave the WAG for further study. The definitions AAA and PDG need to be defined. The contribution was accepted as modified and will be reissued as **tdoc S3LI04\_065r1**. This was later reviewed and accepted but not sent and postponed awaiting a comprehensive set for WLAN and to check the alignment with **tdoc S3LI04\_090**.

### 12.2.7 Change Request - Target Identities for WLAN Interworking Interception

This was tabled as **tdoc S3LI04\_066** and presented by Selvam Rengasami of ESTS and intended to clarify target identities. It was noted that IMEI would not be available – only the IMSI. Other points were modified and the proposal was then accepted and will be reissued as **tdoc S3LI04\_066r1**. The definition of ICE will need expanding and will be added to the abbreviation section at the next meeting. This was later reviewed but postponed until next meeting owing to uncertainty over the NAI issue.

#### 12.2.8 Change Request - Correction to HLR interception event name

This was tabled as **tdoc S3LI04\_067** and presented by Selvam Rengasami of ESTS and aligns the reference to Serving System. This was accepted with a change of source and will be reissued as **tdoc S3LI04\_067r1**. This was later reviewed and accepted after further change and reissued as **tdoc S3LI04\_067r2**.

#### 12.2.9 Change Request - Identification of Interception Events for WLAN Interworking

This was tabled as **tdoc S3LI04\_072** and presented by Selvam Rengasami of ESTS who said this is an attempt to develop material to describe the events in interworking. As this document was largely for information it was decided to defer this to the next meeting. In the meantime delegates should use this as a basis for contributions. A cover sheet will be added to this to ensure that this is currently a discussion paper.

Following this decision Selvam Rengasami then went through the document and described the proposals in detail. A number of items were flagged for further study by the author.

#### 12.2.10 Change Request - Clarification for Push to talk over Cellular

This was tabled as **tdoc S3LI04\_074** and presented by Bernhard Spalt of Siemens since there are currently no definitions for PoC (Push to Talk over Cellular). The Chair explained how the service would function and that everything would pass through the CSCF. After a change of category (to b) and source the document was accepted and will be reissued as **tdoc S3LI04\_074r1**. It was noted that there are still service definitions to come from SA2 and OMA (Open Mobile Alliance) and will have to be revisited. There was an impromptu presentation of the PoC development in OMA given by Willy Verbestel. This will be available as **tdoc S3LI04\_089** (S1 doc 143). **tdoc S3LI04\_074r1** was later reviewed and accepted.

#### 12.2.11 Change Request - Adding an Encryption Parameter to IRI across the X2 interface

This was tabled as **tdoc S3LI04\_075** and presented by Giorgi Gulbani of Nokia who said that it had been accepted for approval at SA3 in Miami meeting and left out by mistake. However further amendments were necessary and the CR was reissued as **tdoc S3LI04\_075r1**. This was later reviewed and accepted.

#### 12.2.12 Change Request – References

This was tabled as **tdoc S3LI04\_078** and was presented by Berthold Wilhelm of BMWi to correct some of the references. After further fortuitous amendments this was accepted and will be reissued as **tdoc S3LI04\_078r1**. This was later reviewed and accepted.

## 13. TS 33.108 Rel. 5 and Rel. 6

### 13.1 Updates to Release 5

33108-v.5.7.0

#### 13.1.1 Change Request – WGS 84 Coordinates Length Correction

This was tabled as **tdoc S3LI04\_062** and presented by Maurizio Iovieno of Ericsson and aligns the reference to 3GPP 23.032 and the ETSI specification. After minor modification this was accepted and will be reissued as **tdoc S3LI04\_0062r1**. This was later reviewed and accepted.

### 13.2 Contributions towards Release 6

33108-v.6.5.0

#### 13.2.1 Change Request – Correction on Interception Identities in Multi-Media Domain

This was tabled as **tdoc S3LI04\_061** and presented by Maurizio Iovieno of Ericsson and corrects incorrect information and provides alignment. This was approved with a change of date and source and will be reissued as **tdoc S3LI04\_061r1**. This was later reviewed and accepted.

#### 13.2.2 Change Request – WGS 84 Coordinates Length Correction

This was tabled as **tdoc S3LI04\_063** and presented by Maurizio Iovieno of Ericsson and aligns the reference to 3GPP 23.032 and the ETSI specification. After minor modifications this was accepted and will be reissued as **tdoc S3LI04\_063r1**. This was later reviewed and accepted.

#### 13.2.3 Change Request – Corrections to References

This was tabled as **tdoc S3LI04\_073** and presented by Ron Ryan the Rapporteur who described the current misalignments and to substitute the 3GPP references for the GSM references. There was an extended discussion about the inclusion of specific version and date references. It was decided to hold the CR while Maurizio Iovieno will investigate the status of reference 31, Ron Ryan will review references 5 and 6 Marcus Lutz will review references 7 and 8.

**Action Point:** Maurizio Iovieno will investigate the status of reference 31. in **tdoc S3LI04\_073**

**Action Point:** Ron Ryan will review references 5 and 6. in **tdoc S3LI04\_073**

**Action Point:** Marcus Lutz will review references 7 and 8. in **tdoc S3LI04\_073**

#### 13.2.4 Change Request – Offering Alignment to ETSI TS 101 671

This was tabled as **tdoc S3LI04\_077** and presented by Giorgi Gulbani of Nokia and seeks to align 33.108 to 101 671. After the correction of various errors the CR was approved and will be reissued as **tdoc S3LI04\_077r1**. This was later reviewed and after a minor amendment accepted at **tdoc S3LI04\_077r2**.

#### 13.2.5 Change Request – Additional text for Definitions and Acronym section

This was tabled as **tdoc S3LI04\_082r1** and presented by Brye Bonner of Motorola and compares with 3GPP TR 21.905. Some text will need to be added and the document will be reissued as **tdoc S3LI04\_082r2**. This was later reviewed and accepted.

## 14. Continued Discussion and New Business

### 14.1 Enhanced LI

This was tabled as **tdoc S3LI04\_068** and presented by Koen Jaspers of PIDS which expanded on the proposal made by Siemens in Miami as **tdoc S3LI04\_040**. He asked if the proposal should be adopted. Bernhard Spalt asked if this would allow operators to invoke interception in other networks. Rupert Thorogood explained that this had been noted at the recent ILETS Plenary in Sydney where it was noted that there are pressures to outsource LI operations. He said that the initial feeling was that the control of interception should remain within the judicial system. The debate continued on whether this would be a general interface with general access in an intelligent network. The Chair suggested that further study was required and Koen Jaspers was asked to develop a stage 1 document for the next meeting. The document was noted.

### 14.2 Security Architecture for LI

This was tabled as **tdoc S3LI04\_070** and presented by Marcus Lutz of Alcatel and describes the problems with end-to-end tunnels and the keys available for decryption of CC. He suggested additions to 33.106 and proposed that the group starts to define a 'Trusted Model' for Security in co-operation with SA3 for handover of decrypted CC or the related keys. Following a convoluted discussion it was decided to continue work on defining the HI2 interface in 33.108 and whether there is a generic way of handling encrypted content. Further contributions are invited.

### 14.3 Draft LS on harmonizing ANSI and 3GPP LI Specs

This was tabled as **tdoc S3LI04\_069r1** and presented by Giorgi Gulbani of Nokia and concerned the timing requirements. He proposed various actions to clarify the requirements of **ANSI T1.724-2004 annex H**, the handling of real time traffic and updating the ASN.1 object ID. He also suggested the appointment of the chair as the liaison person. Ron Ryan suggested an alternative strategy to remove annex H (US specific) sections of 33.108 and to simplify the LS. There was some discussion on whether it would be possible to file the observation directly with the FCC. During these discussions the LS was substantially modified and reissued as **tdoc S3LI04\_069r2**. This was later reviewed and accepted. Brye Bonner was approved as rapporteur for T1P1.5.

### 14.4 WLAN-3GPP Interworking – LI Requirements

This was tabled as **tdoc S3LI04\_071** and presented by Selvam Rengasami of ESTS which is an update of a submission at the previous meeting and in which SMS has been added. The document was noted.

### 14.5 Draft Liaison to ITU-T SSG on IMT-2000 and Beyond

This was tabled as **tdoc S3LI04\_087** and was prepared by the Chair in parallel with a similar initiative by ETSI TC LI. The meeting approved the LS with a modification to the template. The Chair will clarify with Maurice Pope whether this can be forwarded directly to the ITU.

#### 14.6 US Timing Requirements

This was tabled as **tdoc S3LI04\_086** and had been submitted by Tony Rutkowski of Verisign (Switzerland). In the absence of the author it was noted.

#### 14.7 Rapporteur to T1S1 LAES.

Ron Ryan was approved as rapporteur for T1S1 LAES. The Chair will write a liaison to T1S1 informing them of this development. Email approval of **tdoc LS SA3LI04\_093**.

### 15. Review meeting output

All CRs approved for SA3 were reviewed.

### 16. Discuss July meeting agenda, work plan

#### 16.1 Joint meeting with ETSI TC LI

Information we would like to share with TC LI?

Work items for release 6.

Description of Location Dependent Intercept

Information we would like TC LI to share with us.

Standards which have been completed.

Work items for WLAN intercept.

IP access solution.

Joint work

Update ETSI ASN.1 tree for TC LI and SA3 LI

Discussion on ITU-T X.805

### 17. Review Action Points

**Action point:** Jean-Francois Zell to bring CR to the July meeting based on ETSI LI CR 060.

**Action point:** Bernhard Spalt to bring CR (Oxford CR69r2 tdoc 51 following review with Swisscom) to the July meeting based on ETSI LI CR 069r2.

**Action Point:** Selvan Rengasami will ascertain the US LEA requirement for IRI and/or CC.

**Action Point** The Chair and Marcus Lutz will take an action point to clarify the text with the diagrams in **tdoc S3LI04\_055**. **Closed**

**Action Point:** Maurizio Iovieno will investigate the status of reference 31. in **tdoc S3LI04\_073**

**Action Point:** Ron Ryan will review references 5 and 6. in **tdoc S3LI04\_073**

**Action Point:** Marcus Lutz will review references 7 and 8. in **tdoc S3LI04\_073**

## **18. Other business**

There was no other business.

## **19. Close of meeting**

The Chair thanked the delegates for their attendance and thanked Maurizio Iovieno on behalf of the European Friends of 3GPP for arranging the facilities.

Proposals are sought for the location for the 2005 meetings.

## **Working procedures**

Contributors are encouraged to perform the following when issuing contributions for an upcoming meeting.

1. Request TDOC number.
2. Distribute contribution via email to LI group members.
3. Send contribution to Chair, [brye.bonner@motorola.com](mailto:brye.bonner@motorola.com) to upload.

It is requested that all contributions be upload no later than Tuesday before the meeting. Contributions brought into the meeting or distributed/uploaded later than Tuesday will be discussed at the end of the meeting if time is available. The meeting schedule will not be changed to accommodate late contributions.

For the next meeting the cut off date for contributions to be distributed and uploaded is July 13,2004.

## **Annex A: List of Participants**

Name		Company	e-mail
Mr	Peter	Arend vd KPN	<a href="mailto:p.c.j.vanderarend@kpn.com">p.c.j.vanderarend@kpn.com</a>
Ms	Cheryl	Blum Lucent	<a href="mailto:cblum@lucent.com">cblum@lucent.com</a>
Ms	Brye	Bonner Motorola	<a href="mailto:brye.bonner@motorola.com">brye.bonner@motorola.com</a>
Mr	Adrian	Escott 3	<a href="mailto:Adrian.escott@three.co.uk">Adrian.escott@three.co.uk</a>
Mr	Erwin	Foerster Deutshe Telecom AG	<a href="mailto:erwin.foerster@t-systems.com">erwin.foerster@t-systems.com</a>
Mr	Colin	Gray O2 UK	<a href="mailto:colin.gray@o2.com">colin.gray@o2.com</a>
Mr	Giorgi	Gulbani Nokia	<a href="mailto:giorgi.gulbani@nokia.com">giorgi.gulbani@nokia.com</a>
Mr	Maurizio	Iovieno LM Ericsson	<a href="mailto:maurizio.Iovieno@eri.ericsson.se">maurizio.Iovieno@eri.ericsson.se</a>
Mr	Koen	Jaspers MoJ, PIDS	<a href="mailto:Kbj@xs4all.nl">Kbj@xs4all.nl</a>
Mr	Burkhard	Kubbutat O2 Germany GmbH	<a href="mailto:burkhard.kubbutat@o2.com">burkhard.kubbutat@o2.com</a>
Mr	Alex	Leadbeater BT Group	<a href="mailto:alex.leadbeater@bt.com">alex.leadbeater@bt.com</a>
Mr	Marcus	Lutz Alcatel SA	<a href="mailto:m.lutz@alcatel.de">m.lutz@alcatel.de</a>
Mr	Selvam	Rengasami CIU/FBI	<a href="mailto:selvam@trideaworks.com">selvam@trideaworks.com</a>
Mr	Ron	Ryan Nortel Networks	<a href="mailto:rryan@nortelnetworks.com">rryan@nortelnetworks.com</a>
Mr	Jerry	Shih Cingular Wireless	<a href="mailto:jerry.shih@cingular.com">jerry.shih@cingular.com</a>
Mr	Bernhard	Spalt Siemens AG	<a href="mailto:bernhard.spalt@siemens.com">bernhard.spalt@siemens.com</a>
Mr	Rupert	Thorogood Home Office	<a href="mailto:rupert.thorogood@homeoffice.gsi.gov.uk">rupert.thorogood@homeoffice.gsi.gov.uk</a>
Mr	Berthold	Wilhelm Reg TP	<a href="mailto:berthold.Wilhelm@regtp.de">berthold.Wilhelm@regtp.de</a>
Mr	Willy	Verbestel Research in Motion	<a href="mailto:verbestal@RIM.com">verbestal@RIM.com</a>
Mr	Jean-Francois	Zell Agsacom	<a href="mailto:jeanfrancois.zell@agsacom.com">jeanfrancois.zell@agsacom.com</a>

## **Annex B: List of Action Items**



Number	Name	Action	status
2003			
<b>AP03_01</b>	Koen Jaspers	Contribution on alarm and information messages	Closed
<b>AP03_02</b>	Ron Ryan	To amend abbreviations for NOs ANs and APs in R6.	Closed
<b>AP03_03</b>	Giorgi Gulbani	To write a LS to TC LI in response to tdoc 058 as tdoc 073	Closed
<b>AP03_04</b>	Chair	To write to TC LI regarding joint meeting	Closed
<b>AP03_05</b>	Chair	To amend Release 6 in accordance with S3LI03_049	Closed
<b>AP03_06</b>	Maurice Pope	To amend Release 6 in accordance with tdoc S3LI03_049	Closed
<b>AP03_07</b>	Chair	Advise SA3 on the use of the term ANP in SA3LI	Closed
<b>AP03_08</b>	Chair	To work on code of conduct for meeting and circulate by e-mail	Closed
<b>AP03_09</b>	Maurizio Ioviono	To consider a paragraph for 33.106 for the use of target identities in the PS domain.	Closed
<b>AP03_10</b>	Chair	To open and maintain a file for ideas for regular review	Closed
<b>AP03_11</b>	Wilhelm Berthold	To amend the incorrect reference to TS101 331 in 33.107 release 6	Closed
<b>AP03_12</b>	Chair	To send new acronym ANP to Maurice Pope	Closed
<b>AP03_13</b>	Alex Leadbeater	To inform SA3 of LI's approving items 8.2.1 and 8.2.2	Closed
<b>AP03_14</b>	Bernhard Spalt	To create a new CE to add a section to the scope to 33.106 as <b>S3LI03_123</b>	Closed
<b>AP03_15</b>	Bernhard Spalt	To find the MBMS document from SA1 for next meeting	Closed
2004			
<b>AP04_01</b>	Ron Ryan	to e-mail Maurice Pope on the implementation of <b>tdoc S3LI03_113r2</b>	Closed
<b>AP04_02</b>	Ron Ryan	to e-mail Maurice Pope on the implementation of <b>tdoc S3LI03_112r2</b>	Closed
<b>AP04_03</b>	Giorgi Gulbani.	to provide some guidance on architecture for the new services	Closed
<b>AP04_04</b>	Maurizio Ioveno	to check changes for TS 101 671 as a result of <b>tdocS3LI04_018r1</b>	Closed
<b>AP04_05</b>	Maurizio Ioveno	to draft CR for 33.108 based on <b>tdoc S3LI04_021</b>	Closed
<b>AP04_06</b>	Manfred Bieirer	write a CR for Release 5 in accordance with <b>tdocS3LI04_015r1</b>	Closed
<b>AP04_07</b>	Chair	to draft LS to CN2 on Lawful Interception for SCP initiated calls	Closed
<b>AP04_08</b>	Bernhard Spalt	to bring in CR against TC LI Oxford CR069r2 tdoc 51r2 following review with Swisscom) to the July meeting.	
<b>AP04_09</b>	Jean-Francois Zell	to bring CR against TC LI Oxford CR060 tdoc 30 to the July meeting.	

AP04_10	Manfred B	to bring in CR against TC LI Oxford CR058r2 tdoc 48r2 to the July meeting.	
AP04_11	Rapporteur of 101.671	to bring in 3 CRs against TC LI Oxford: CR 054 tdoc 019, CR055 tdoc 20, and CR061 tdoc42	
AP04_12	Selvan Rengasami	will ascertain the US LEA requirement for IRI and/or CC.	
AP04_13	The Chair and Marcus Lutz	will take an action point to clarify the text with the diagrams in <b>tdoc S3LI04_055</b>	closed

## Annex C: List of documents

TD # S3LI04	Title	Source	Meeting	Doc for	Comments	Status
005r1	Change Request - Corrections to U.S. Requirements	Rapporteur T1P1.5	2004-01	Approval		open
026	Monitor file	Chair	2004-01		AMR-WB tracking no longer needed	open
055	Change Request – Functional Architecture for IMS	Alcatel	2004-04	Approval	Moved to tdoc 090	withdraw
056	Change Request – Clarification on delivery of IRI and CC	Ericsson	2004-04	Approval	R1	accept
057	Change Request – Correction on Network Initiated Mobile Station Detach Signalling Flow	Ericsson	2004-04	Approval	R1	accept
058	Change Request – TEL-URL missing in activation of LI in the CSCFs	Ericsson	2004-04	Approval	R1	accept
059	Change Request – Correction on the use of session initiator parameter.	Ericsson	2004-04	Approval	Approved at Miami meeting R1	accept
060	Change Request – Correction on the LI architecture for HLR	Ericsson	2004-04	Approval	Moved to tdoc 090	withdraw
061	Change Request – Correction on Interception Identities in Multi-Media Domain	Ericsson	2004-04	Approval	R1	accept
062	Change Request – WGS 84 Coordinates Length Correction	Ericsson	2004-04	Approval	R1	accept

TD # S3LI04	Title	Source	Meeting	Doc for	Comments	Status
063	Change Request – WGS 84 Coordinates Length Correction	Ericsson	2004-04	Approval	R1	accept
064	Void		2004-04			
065	Functional Architecture for WLAN Interworking Interception	FBI/Tridea	2004-04	Approval	R1	accept hold WLAN package SA3
066	Target Identities for WLAN Interworking Interception	FBI/Tridea	2004-04	Approval		open
067	Change Request - Correction to HLR interception event name	FBI/Tridea	2004-04	Approval	R2	accept
068	Enhanced LI	PIDS	2004-04	discussion		discuss
069r1	LS on harmonizing ANSI and 3GPP LI Specs	Nokia	2004-04	Approval	R2	accept
070	Security Architecture for LI	Alcatel	2004-04	discussion		discuss
071	WLAN-3GPP Interworking – LI Requirements	FBI/Tridea	2004-04	discussion	R2	discuss
072	Identification of Interception Events for WLAN Interworking	FBI/Tridea	2004-04	Approval		noted
073	Change Request – Corrections to References	Rapporteur T1P1.5	2004-04	Approval		noted
074	Change Request - Clarification for Push to talk over Cellular	Siemens	2004-04	Approval	R1	accept
075	Change Request - Adding an Encryption Parameter to IRI across the X2 interfaced	Nokia	2004-04		Approved at Miami meeting R1	accept
076r1	ETSI TC LI report	Liaison	2004-04	discussion	R2	discuss
077	Change Request – Offering Alignment to ETSI TS 101 671	Nokia	2004-04	Approval	R2	accept
078	Change Request – References	RegTP	2004-04	approval	R1	accept
079	SA3 Draft Report	Rapporteur SA3	2004-04	discussion		discuss
080	Agenda	Chair	2004-04	approval		approve
081	meeting report from Miami	Secretariat	2004-04	approval	R1	approve
082r1	Change Request – Additional text for Definitions and Acronym section	Motorola	2004-04	approval	R2	approve

TD # S3LI04	Title	Source	Meeting	Doc for	Comments	Status
083	TR45 LAES Liaison	Chair TR45 LAES AHG	2004-04	discussion		discuss
084	TR-45 LAES meeting report	Rapporteur LAES	2004-04	discussion	R1	discuss
085	SA report from SA#23	Chair	2004-04	discussion		discuss
086	US Timing Requirements 1	Verisign	2004-04	discussion		Noted a not discussed
087	Liaison to ITU-T SSG on IMT-2000 and Beyond	Chair	2004-04	approval	R1	approve
088	T1P1.5 report	Rapporteur T1P1.5	2004-04	discussion		discuss
089	OMA presentation to SA2	RIM	2004-04	discussion		discuss
090	Change Request – Functional Architecture for IMS	Alcatel Ericsson	2004-04	approval	Email approval	approve
091	LS to TR45 LAES on co-located meeting	Chair	2004-04	approval	Email approval	approve
092	Draft Meeting report Rome	Secretariat	2004-04	approval		
093	LS to T1S1 LAES on liaison officer	Chair	2004-04	approval	R1	approve

## Annex D List of Change Requests

56r1	CR 33.106r6 – Clarification on delivery of IRI and CC
57r1	CR 33.107r6 – Correction on Network Initiated Mobile Station Detach Signalling Flo
58r1	CR 33.107r6 – TEL-URL missing in activation of LI in the CSCFs
59r1	CR 33.107r6 – Correction on the use of session initiator parameter.
61r1	CR 33.108r6 – Correction on Interception Identities in Multi-Media Domain
62r1	CR 33.108r5 – WGS 84 Coordinates Length Correction
63r1	CR 33.108r6 – WGS 84 Coordinates Length Correction
67r2	CR 33.107r6 Correction to HLR interception event name

74r1	CR 33.108r6 - Clarification for Push to talk over Cellular
75r1	CR Adding an Encryption Parameter to IRI across the X2 interfaced
77r2	CR 33.108r6 – Offering Alignment to ETSI TS 101 671
78r1	CR 33.107r6 – References
82r2	CR 33.108r2 – Additional text for Definitions and Acronym section
90r8	CR 33.107r6 – Functional Architecture

## **Annex E List of Liaison Statements**

69r2	LS on harmonizing ANSI and 3GPP LI Specs
87r1	Liaison to ITU-T SSG on IMT-2000 and Beyond
91r2	LS to TR45 LAES on co-located meeting
93r1	LS to T1S1 LAES on liaison officer

## **Annex F: 2004 meeting dates and venues**

<b>Meeting Number</b>	<b>Meeting Date</b>	<b>Meeting Venue</b>	<b>Sponsor</b>	<b>Notes</b>
14	19-20 July	Povoa de Varzim, Portugal	EF3	
14	21 July	Povoa de Varzim, Portugal	EF3	Joint meeting with ETSI LI
ETSI TC LI	22-23 July	Povoa de Varzim, Portugal	EF3	
15	11-13 October	USA	North American Friends of 3GPP	Co-located with TR45 LAES

