

3GPP TSG SA WG3-LI
11-13 October, 2004
San Antonio, U.S.A.

S3LI04_183r1



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

Management Team:		
Chairman:	Brye Bonner	Motorola
Vice Chairman:		
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 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 5.8.0:	Ron Ryan (Nortel Networks)
3G TS 33.106 LI Requirements version 6.1.0:	Berthold Wilhelm (Reg TP)
3G TS 33.107 LI Architecture and Functions version 6.3.0:	Berthold Wilhelm (Reg TP)
3G TS 33.108 Handover Interface for LI version 6.7.0:	Ron Ryan (Nortel Networks)

1 Welcome and logistics

The meeting was opened by the Chair Brye Bonner of Motorola who welcomed the delegates. This was followed by the introduction of delegates.

Ron Ryan welcomed the delegates to San Antonio on behalf of the North American Friends of 3G and advised of the local facilities.

2 Apologies

Apologies were received from: Martin Kässens; Jean Francois Zell; Marcus Lutz; Burkhard Kubbutat; Jerry Shih; Michael Schepers; Erwin Foerster; Adrian Escott.

3 Approval of the agenda

tdoc S3LI04_150r1

After noting five extra documents this was approved as **tdoc S3LI04_150r2**.

1.0 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>

2.0 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 submissions.

4 Approval of meeting report from Portugal tdoc S3LI04_151r1

The current document includes the editorial changes. Ron Ryan asked for clarification of 3.1 para 1 and suggested that the word affirmed was anomalous and that Cheryl Blum of Lucent agreed rather than affirmed. Maurizio Iovieno asked that the attendance sheet be corrected for his address. Selvam Rengasami asked that the previous sentence be unattributable and reads “The FCC provided.....”. These amendments were approved and the document revised as **tdoc S3LI04_151r2**.

5 Review Action Points tdoc S3LI04_151r1

AP04_15. Alex Leadbeater of BT had started a discussion regarding routing area update during SGSN handover but it was decided not to pursue the matter. Closed.
AP04_16 this is dealt with in tdoc S3LI04_153. Closed.
AP04_17 was dealt with and contributions supplied. Closed
AP04_18. Manfred reported that he had discussed the matter with Olivier Dubuisson and that the 1988 version of ASN.1 is withdrawn by the ITU. Only the 1993 and 2002 versions are valid but that Olivier Dubuisson recommended that only the latest versions should be used. Therefore, a version number will not be included when referencing ASN.1 standards.

6 Review outcome of LI and CRs to SA3, ATIS T1P1

1.0.0 Liaisons

1.0.0.0 **LS T1P1; verbal response from “Reply LS for T1P1”** tdoc S3LI04_138

The Chair reported that T1P1 will be sending a liaison to Standards Development Organizations who may reference the FCC required Circuit Switched timing requirements for Packet Switched networks, to ascertain if there are any problems.

2.0.0 Change Requests - all change requests forwarded to SA3 for a second review were accepted by SA3 and SA. CRs 114r2 and 120r1 were not forwarded for a second review.

Accepted Change Requests

103r2	Change Request – Explanation concerning the Sequence Number
106r2	Change Request – National ASN.1 Parameter
109r2	Change Request – Clarifying Clause Titles
110r2	Change Request – Adding Azimuth in Location
113	Change Request - Correction on the Use of Session Initiator Parameter
115r2	Change Request – Correction to Subaddressing Definitions
117r2	Change Request - ICE, IME definition
124r2	Change Request – Correction to HI3 Domain Id Definition
125r1	Change Request – Corrections of Abbreviations
128r1	Change Request – Clarification to SMS Interception
129r2	Change Request – Correction of the Sub-addressing Definitions
130r2	Change Request - Replace SIP URL with SIP URI (33.107)
132r1	Change Request - Replace SIP URL with SIP URI (33.107)
143r3	Change Request – References

7 Reports to SA3-LI

1.0 SA WG3 report

Berthold Wilhelm of RegTP reported from the recent meeting in Malta. There was a decision to recommend to SA that GBA-U (in R6 there is certificate based architecture) be mandatory.

2.0 SA report

The Chair reported that all the CRs had been accepted at the recent meeting in Palm Springs. The Chair also commented that for future CRs the meeting resolution will stand. If any changes are subsequently required this will be done by a further CR.

3.0 ETSI TC LI report

tdoc S3LI04_175

The Chair of ETSI TC LI, Peter van der Arend of KPN, described the work done in Bremen and reported that two new documents, TS 101 671 and 101 232, had been published by ETSI in September of this year. The CRs on 201 671 are listed in the report and may have an impact on the 3G-LI work. These are dealt with later. He mentioned

that a new TR on ASN.1 structure is in preparation and this will incorporate the ETSI LI ASN.1 tree. Manfred Beierer will make this available as **tdoc S3LI04_180**. 3GPP SA3-LI is not incorporated into this ASN.1 structure at the present time.

There is a new Work Item on Layer 2 Lawful Interception and a first draft has been written. The proposed Workshops in the middle and Far East have been deferred until next year. Commenting on part of the report Ron Ryan of Nortel asked if content can be delivered on HI2. Koen Jaspers of PIDS confirmed that it is possible. Manfred Beierer reminded the meeting that, in the case of IRI only intercept, the content is removed.

4.0 TR-45 LAES

tdoc S3LI04_178

This was reported by the Liaison Officer for TR45-LAES. She said that there was a contribution for a “d” interface specifically for third party delivery functions but this was not accepted. After some discussion it was decided there is no support for developing this in 3GPP LI. Giorgi Gulbani commented that the x-interface defined in 33.107 was very similar and provided a clear understanding. The ANSI version of J-STD-25-B will be out shortly for a default ballot.

5.0 T1P1.5 report

tdoc S3LI04_177

The Liaison Officer reported from the meeting in Montreal. There were comments regarding the timing question (see tdoc S3LI04_138). This was noted.

6.0 TISPAN

Bernhard Spalt of Siemens noted that there is a new Work Item DTS 407013_NGN for Interception for NGN. The development of this work item is intended to be in cooperation with TC LI. Their existing LI specification TS 102 277 is not being maintained. Ron Ryan of Nortel mentioned that the ITU has a focus group within NGN of which he is Vice Chair. He undertook to give an update of NGN activities at future meetings.

8 Liaisons

1.0 T1S1

tdoc S3LI04_169

The Chair stated that Ron Ryan has just been voted vice Chair of T1S1. Ron Ryan went on to report that the July meeting work continued on two fronts. The first deals with T1.678 for VoIP release 2 which include multi-party calls. There is an issue on how SIP messages are mapped. The second deals with IPNA (IP Network Access) especially on DSL. These are expected to be ready by the end of the year.

9 TS 33.106 Rel. 5 and Rel. 6

33.106 v.5.1.0/33.106 v.6.1.0

There were no contributions

1.0 CRs towards Release 7

There were no contributions.

10 TS 33.107 Rel. 5 and Rel. 6

33.107 v.5.6.0/33.107v.6.3.0

1.0 Working Draft-Interception for WLAN Interworking

tdoc S3LI04_162

This was presented by Selvam Rengasami of FBI/TrideaWorks. It covers a CR which adds the LI feature of WLAN to 33.107 and proposes numerous additions and amendments. This document is tabled and considered later (see 10.2, 10.3, and 10.5).

2.0 Background for WLAN Interworking LI Events

tdoc S3LI04_163

This was presented by Selvam Rengasami of FBI/TrideaWorks. This provides background for the new events in to be incorporated in **tdoc S3LI04_162** by **tdoc S3LI04_164**. He asked the Group to review the information in Section 2 and determine how the event should be reported from the AAA server or the PDG or both. The first four activities: WLAN access session initiation, WLAN access session termination, WLAN tunnel establishment, WLAN tunnel disconnect, were accepted and it was agreed to adopt the SA2 abbreviation of I-WLAN. It was agreed to combine 5 (Start of interception with WLAN access session active), and 6 (Start of Interception with WLAN tunnel established) as Start of Interception with I-WLAN communication Active. Alex Leadbeater of BT suggested that we may need to consider the equivalent to the SGSN routing area update for I-WLAN for release 7. These proposals were later incorporated in tdoc S3LI04_162r2.

3.0 LI Events for WLAN-3GPP Interworking

tdoc S3LI04_164

This was presented by Selvam Rengasami of FBI/TrideaWorks and lists all the events for WLAN Interworking to be incorporated in **tdoc S3LI04_162**. After some discussion and amendment section 9.3.2 from contribution S3LI04_164 was carried to **tdoc S3LI04_162**.

4.0 SMS for WLAN Interworking

tdoc S3LI04_165

This was presented by Selvam Rengasami of FBI/TrideaWorks. The paper reviewed the possibilities for SMS interception and asks for an agreed choice from 1) IP-SM-Gateway, 2) SMS-GMSC/SMS-IWMSC, or 3) PDG. Following comments by Bernhard Spalt of Siemens, Koen Jaspers of PIDS and, particularly, Alex Leadbeater of BT on SMS interception in general, the Group decided to postpone the matter until Release 7.

5.0 Target Identifiers for WLAN Interworking **tdoc S3LI04_166**

This was presented by Selvam Rengasami of FBI/TrideaWorks who said that it was not clear which identifiers would be available and proposed amendments to **tdoc S3LI04_162**. He suggested the NAI and IMSI can be used to trigger the detection of LI events at the AAA server and the PDG and that the MSISDN can be included when the event is reported provided the IAP is aware of the association of the IMSI to the MSISDN. It was suggested that there was no certainty that MSISDN would be available and the text was amended. There were also numerous editorial corrections proposed to **tdoc S3LI04_162** which will result in a CR to 33.107. This was later tabled as **tdoc S3LI04_181**, see section 10.8 below.

It was agreed that accepted text from 164 and 166 will be incorporated in a revised version as **tdoc S3LI04_162r1**. This was later reviewed at length and further amendments made. The final version is **tdoc S3LI04_162r2**.

6.0 Conferencing Request to Add Party **tdoc S3LI04_167**

This was presented by Selvam Rengasami of FBI/TrideaWorks and discussed the conferencing question and proposed a solution. He demonstrated the problem with call flow diagrams (attached to the document). After a long discussion it was decided the contributor will add the message parameters and discuss the question again at the next meeting.

7.0 Party Dropping from a Conference **tdoc S3LI04_168**

This was presented by Selvam Rengasami of FBI/TrideaWorks and is a sequel to the above. The same conclusion applies as in 10.6.

8.0 33.107 Clean Up **tdoc S3LI04_181**

This was presented by Giorgi Gulbani of Nokia and attempted to eliminate ambiguous statements in sections 6 and 7 of the release 6 document. This contribution is a result of the discussion on WLAN in **tdoc S3LI04_162** above. After several further amendments this was issued as **tdoc S3LI04_181r4**.

11 TS 33.108 Rel. 5 and Rel. 6 **33108-v.5.8.0/33.108-v.6.7.0**

1.0 Notes (on tdoc S3LI04_114r2) **tdoc S3LI04_152**

This was presented by Ron Ryan of Nortel and followed an email discussion on **tdoc S3LI04_120r1** from Portugal. The question revolves around whether these are notes or requirements. The general view was that these were reminders i.e. notes. **tdoc S3LI04_114r2** was later reviewed and amended by Bernhard Spalt of Siemens and re-issued as **tdoc S3LI04_179** with a new cover page. This was later reviewed and further amended and re-issued as **tdoc S3LI04_179r1**.

tdoc S3LI04_120r1/2/3 from Povoia were also reviewed and after some discussion it was decided to re-issue the document as **tdoc S3LI04_182**. This was done by Alex Leadbeater of BT, reviewed and accepted.

2.0 **Handling of Parameter GprsOperationErrorCode in TS 33.108 tdoc S3LI04_154**

This was presented by Maurizio Iovieno of Ericsson. This discussed the problem of handling this parameter and offered a solution. After some discussion the proposal was modified and the CR for Release 6 (below) was accepted. An amended **tdoc S3LI04_156r1** will be drafted. This was later reviewed and further modified and re-issued as **tdoc S3LI04_156r2**.

CR (Rel 5) – Correction on parameter GprsOperationErrorCode tdoc S3LI04_155

It was agreed that the issue affects rel-5 version of 33.108; nevertheless, given that the IEI as defined in 24.008 was seen as not relevant information for LEA and that the information “SM cause/GMM cause” can be easily recovered by looking at other information in the IRI (e.g., GPRSevent parameter), it was agreed that the correction is not critical for rel-5. For rel-5 compliant DF2/MF implementations SA3-LI recommends to fill the first octet with H’00 whenever the IEI is not available; the second octet carries the cause value. As the IEI is not relevant for LEA, rel-5 compliant LEMF should discard the first octet. Based on the above, the CR was withdrawn.

CR (Rel 6) – Correction on parameter GprsOperationErrorCode tdoc S3LI04_156

See 11.2 paragraph 1.

3.0 **CR (Rel 5) - Correction to ULIC Header tdoc S3LI04_157**

This was presented by Maurizio Iovieno of Ericsson who said that wrong information would be sent to the LEMF if the header is not modified. After some discussion, the need to have the correction for rel-5 was agreed. It was pointed out that the original wording in the “reason for change” in the coversheet may be misleading and give the wrong impression that the correction is not essential, jeopardizing the acceptance from SA3. In order to take this comment into account, the reason for change and the cover sheet were amended and the document reissued as **tdoc S3LI04_157r1**. This was later reviewed and accepted.

4.0 **CR (Rel 6) - Correction to ULIC Header tdoc S3LI04_158**

This was presented by Maurizio Iovieno of Ericsson and is almost identical to the previous document in 11.3. This was accepted with a cover page modification and will be re-issued as **tdoc S3LI04_158r1**. This was later reviewed and accepted.

5.0 Change Request – CC-less SIP **tdoc S3LI04_173**

This was presented by Giorgi Gulbani of Nokia and proposed deleting the CC from the SIP message to support IRI-only. This was later revised as **tdoc S3LI04_173r1** but required further amendment. This was re-issued as **tdoc S3LI04_173r2** but was amended on further review and re-issued as **tdoc S3LI04_173r3**.

6.0 Change Request HI3CDomainID (ASN attachment) **tdoc S3LI04_174r2**

This was presented by Giorgi Gulbani of Nokia and proposed adding domain ID to HI3 to avoid wrong interpretation of ASN.1 at the LEMF. Manfred Beierer of RegTP suggested some amendments (see **tdoc S3LI04_172** in 11.10 below). This was accepted and re-issued as **tdoc S3LI04_174r3**.

7.0 Change Request - ULICv1 version fix **tdoc S3LI04_160**

This was presented by Giorgi Gulbani of Nokia and is to avoid a possible wrong interpretation of the ‘ULIV-header’ type at the LEMF. It was decided to withdraw this document.

8.0 Change Request -Imports **tdoc S3LI04_161**

This was presented by Giorgi Gulbani of Nokia who proposed corrections to the IMPORTS statements in HI2 in order to avoid possible wrong interpretation of ASN.1 parameters at the LEMF. Following discussion this was accepted as revised as **tdoc S3LI04_161r1**.

9.0 Change Request –Reference to ETSI Module **tdoc S3LI04_171**

This was presented by Manfred Beierer of Reg TP who suggested deleting the version number in the reference to the ETSI module to avoid wrong or ambiguous implementation of HI2 parameters. There was no action on this contribution in view of contribution **tdoc S3LI04_161** above.

10.0 Change Request - Syntax Error in Annex B.3 **tdoc S3LI04_172**

This was prepared by Manfred Beierer of Reg TP and after some discussion on whether to combine it with **tdoc S3LI04_176** it was decided to let it stand. It was later re-issued as **tdoc S3LI04_172r1** and accepted.

11.0 Change Request – Syntax Error in Annex B.3.2 **tdoc S3LI04_176**

This was presented by Giorgi Gulbani of Nokia and corrects a number of syntax errors in B.3. This was re-issued as **tdoc S3LI04_176r1** and accepted.

12.0 Change Request – Superfluous Spaces – ASN.1 tdoc S3LI04_153

This was presented by Ron Ryan of Nortel to avoid superfluous spaces which cause a problem with the compiler. This was accepted.

12 Continued Discussion and New Business

1.0 Distributed LI Ability – Stage 1 tdoc S3LI04_170

This was presented by Koen Jaspers of PIDS and is a continuation of a proposal at previous meetings (Miami tdoc S3LI04_029, Rome tdoc S3LI04_068 and Povia tdoc S3LI04_118). The aim of the paper is to investigate whether the LI facility can be made more efficient and effective for the parties involved in this process (manufacturers, providers, law enforcement). He asked for some guidance from the Group. There was a suggestion that this should be discussed in ETSI TC LI and ILETS. The paper was tabled for further study.

2.0 Change Request – 33.108 New Annex tdoc S3LI04_159

This was presented by Giorgi Gulbani of Nokia and proposes a new annex listing latest ASN.1 module versions in 33.108. He said that the same had been done to ES 201 671 in ETSI. There was some debate on its application and value and whether it is required. This was withdrawn in view of 12.3 below.

12.3 ASN.1 tree structure of the Security Domain tdoc S3LI04_180

This was presented by Manfred Beierer of RegTP who said this is a draft TR describing the ASN.1 structure in ETSI. He said that this is a new Work Item in ETSI TC LI and noted that the 3GPP ASN.1 branch, although noted, is missing. He said that this work had also been done in ETSI <http://portal.etsi.org/pptcc/ptccasn1.asp> respectively <http://webapp.etsi.org/ASN1ObjectTree/ASN1.asp> and Elibel at <http://asn1.elibel.tm.fr/oid/index.htm>. The chair of ETSI TC LI kindly agreed to update the TR to include the 3GPP LI ASN.1 branch.

13 Review meeting output

1.0 Closure of release 6 for 33.106, 33.107 and 33.108

It is expected that the following versions will be finalized at the December SA meeting for release 6:

33.106 v 6.1.0;

33.107 v 6.4.0;

33.108 v 6.8.0.

Congratulations to the members of SA3-LI for their excellent work in the development of release 6.

14 Next meeting agenda, work plan

The work plan for release 7 will be decided at our January meeting.

15 Review Action Points

There was one action point carried forward.

AP004_20 Chair to pull “For future study” information from 33.106, 33.107 and 33.108 documents into one working document for future reference.

16 Other business

- 1.0 New Vice-Chair election. While the election is open to all members in good standing, nominations from service providers will be given preferential treatment to maintain the balance in the management team. There was a suggestion from the floor that regulators may also maintain the balance. This was not explored during the meeting but should be given consideration in the absence of a service provider nomination.

17 Meeting dates and venues for 2005

Consideration should be given so that SA3-LI meets a minimum of three weeks ahead of SA3 and not between the SA3 meeting and the following SA meeting.

2005 meeting dates:

Jan 18-20 possibly Barcelona (SA3 21-25 February, SA week of 3/14)

April 5-7 Sophia Antipolis (SA3 25-29 April, SA week of 6/6)

June 14-16 Toronto (SA3 week beginning of July, SA Sept. 26-29)

October 18-20 tbd (SA3 week either/or early October, late Nov, SA Dec. 5-8)

18 Close of meeting

The Chair thanked the delegates for their work and thanked Ron Ryan on behalf of North American Friends of 3G for organising the meeting.

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 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 Tuesday January 11, 2005.

Annex A: List of Participants

Name		Company	e-mail
Mr	Peter Arend vd	KPN	p.c.j.vanderarend@kpn.com
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Mr	Ron Ryan	Nortel Networks	rryan@nortelnetworks.com
Mr	Rolf Schmalbach	Reg TP	Rolf.schmaubach@regtp.com
Mr	Gierd Steinrucke	BfV	Te33@verfassungsschutz.de
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Mr	Rupert Thorogood	Home Office	rupert.thorogood@homeoffice.gsi.gov.uk
Mr	Pierre Truong	Ericsson	pierre.truong@ericsson.com
Mr	Berthold Wilhelm	Reg TP	berthold.Wilhelm@regtp.de

Annex B: List of Action Points

2004	Name	Action Item	Status
AP04_01	Ron Ryan	to e-mail Maurice Pope on the implementation of tdoc S3LI03_113r2	Closed
AP04_02	Ron Ryan	to e-mail Maurice Pope on the implementation of tdoc S3LI03_112r2	Closed
AP04_03	Giorgi Gulbani.	to provide some guidance on architecture for the new services	Closed
AP04_04	Maurizio Iovieno	to check changes for TS 101 671 as a result of tdocS3LI04_018r1	Closed
AP04_05	Maurizio Iovieno	to draft CR for 33.108 based on tdoc S3LI04_021	Closed
AP04_06	Manfred Beierer	write a CR for Release 5 in accordance with tdocS3LI04_015r1	Closed
AP04_07	Chair	to draft LS to CN2 on Lawful Interception for SCP initiated calls	Closed
AP04_08	Bernhard Spalt	to bring in CR against TC LI Oxford CR069r2 tdoc 51r2 following review with Swisscom) to the July meeting.	Closed
AP04_09	Jean-Francois Zell	to bring CR against TC LI Oxford CR060 tdoc 30 to the July meeting.	Closed
AP04_10	Manfred B	to bring in CR against TC LI Oxford CR058r2 tdoc 48r2 to the July meeting.	Closed
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	Closed
AP04_12	Selvam Rengasami	will ascertain the US LEA requirement for IRI and/or CC.	Closed
AP04_13	The Chair and Marcus Lutz	will take an action point to clarify the text with the diagrams in tdoc S3LI04_055	Closed
AP04_14	Not used		Not used
AP04_15	Alex Leadbeater	to initiate an e-mail discussion regarding routing area update during SGSN handover.	Closed
AP04_16	Ron Ryan	to remove superfluous spaces in ASN.1 in 33.108.	Closed
AP04_17	Selvam Rengasami	to start an e-mail discussion on the IMS interception solution.	Closed
AP04_18	Manfred Beierer	to investigate how the ITU ASN.1 Recommendations should be described regarding issue date	Closed
AP04_19	Manfred Beierer	to check the references in notes 4 and 5 in tdoc S3LI04_143	Closed
AP04_20	Brye Bonner	Gather “For Future Study” notes from 33.106, 33.107 and 33.108 into one document	

Annex C: List of Documents

TD # S3LI04	Title	Source	Meeting	Doc for	Comments	Status
150r1	Agenda	Chair	2004-10	Approval	R2	approved
151r1	Meeting Report from Povia	Secretariat	2004-10	Approval	R2	approved
152	Notes (tdoc S3LI04_114r2)	Nortel	2004-10	Discussion	S3LI04_179 developed based on 114r2	discussed
153	Superfluous Spaces in ASN.1 33.108 rel 6	Rapporteur	2004-10	Approval		approved
154	Handling of parameter GprsOperationErrorCode in TS 33.108	Ericsson	2004-10	Discussion For 155, 156		discussed
155	Change Request – Correction to parameter GprsOperationErrorCode 33.108 rel 5	Ericsson	2004-10	Approval	Information in meeting report	discussed
156	Change Request – Correction to parameter GprsOperationErrorCode 33.108 rel 6	Ericsson	2004-10	Approval	R2	approved
157	Change Request – Correction to ULIC Header 33.108 rel 5	Ericsson	2004-10	Approval	R1	approved
158	Change Request – Correction to ULIC Header 33.108 rel 6	Ericsson	2004-10	Approval	R1	approved
159	Change Request – New Annex listing ASN.1 module versions in 33.108 rel. 6	Liaison Officer ETSI	2004-10	Approval		discussed
160	Change Request – Correction of the ULICv1 “version” parameter value 33.108 rel 6	Nokia	2004-10	Approval		discussed
161	Change Request – Correction to the IMPORTS statements 33.108 rel. 6	Nokia	2004-10	Approval	R1	approved
162	Change Request – Working Draft-Interception for WLAN Interworking (revision 2)	FBI/Tridea Works	2004-10	Approval	R2	approved
163	Background for WLAN Interworking LI Events	FBI/Tridea Works	2004-10	Discussion		discussed
164	LI Events for WLAN-3GPP Interworking	FBI/Tridea Works	2004-10	Discussion	modified text to replace 9.3.2 in CR 162	modified text moved to CR 162
165	SMS for WLAN Interworking	FBI/TrideaWorks	2004-10	Discussion		discussed
166	Target Identifiers in WLAN Interworking	FBI/TrideaWorks	2004-10	Discussion		Modified text moved to CR 162
167	Reporting Conferencing Add Requests in an IMS Context	FBI/Tridea Works	2004-10	Discussion		Discussed

TD # S3LI04	Title	Source	Meeting	Doc for	Comments	Status
168	Reporting Conferencing Drop Requests in an IMS Context	FBI/ TrideaWorks	2004-10	Discussion		Discussed
169	Meeting Report from T1S1	Liaison Officer	2004-10	Information		
170	Discussion – Distributed LI Ability rel. 7	PIDS	2004-10	Discussion		discussed
171	Change Request – Reference to the ETSI HI2 Operations 33.108 rel 6	Reg TP	2004-10	Approval	Referred to 161	discussed
172	Change Request – Syntax Error in Annex B.3 33.108 rel. 6	Reg TP	2004-10	Approval	R2	Approved
173	Change Request – Deleting CC from SIP Message 33.108 rel 6	Nokia	2004-10	Approval	R3	Approved
174r2	Change Request – Adding Domain ID to HI3 CS Domain Module 33.108 rel. 6	Nokia	2004-10	Discussion	R3	Approved
175	ETSI TC LI Report	ETSI TC LI Chair	2004-10	Information		
176	Change Request – Syntax Error in Annex B.3a 33.108 rel. 6	Nokia	2004-10	Approval	R1	Approved
177	Meeting Report from ATIS T1P1.5	Liaison Officer	2004-10	Information		
178	Meeting Report from TIA TR45 LAES	Liaison Officer	2004-10	Information		
179	New cover page for S3LI04_114r2	Siemens	2004-10	Approval		Approved
180	ASN.1 Tree	Reg TP	2004-10	Discussion		Discussed
181	Change Request - Clean-up 33.107 rel 6	Nokia	2004-10	Approval	R4	Approved
182	Change Request – 33.107 r6 Clarification on MMS interception	BT	2004-10		From Portugal meeting	Approved
183	Meeting Report from San Antonio SA3-LI meeting	Secretariat	2004-10	Approval		
184	Pre-Agenda for January 2005 meeting	Chair	2004-10	information		

Annex D: List of Change Requests

TD # S3LI04	Title
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

TD # S3LI04	Title
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

Annex E: List of Liaison Statements

TD # S3LI04	Title

Annex F: 2005 meeting dates and venues

Meeting Number	Meeting Dates for 2005	Meeting Venue	Sponsor	Notes
16	Jan 18-20	TBD Barcelona	European Friends of 3GPP	
17	April 5-7	Sophia Antipolis	ETSI	
18	June 14-16	TBD Toronto	TBD (North American Friends of 3GPP)	
19	October 18-20 TBD			