

tdoc S3 LI 04_053r1 DRAFT

Report of the 3GPP TSG SA WG3-LI (S3-LI) meeting #xx/xx
on lawful interception

Miami, Florida 27-29 January 2004



Miami Florida

photo: Burkhard Kubbutat

Please direct all comments to
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Management Team:

Chairman:	Brye Bonner	Motorola
Vice Chairman:	Burkhard Kubbutat	O2 Germany
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
List of related specifications	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 5.5.0:	Berthold Wilhelm (Reg TP)
3G TS 33.108 Handover Interface for LI version 5.4.0:	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 6.0.0:	Berthold Wilhelm (Reg TP)
3G TS 33.108 Handover Interface for LI version 6.2.0:	Ron Ryan (Nortel Networks)

1. Welcome and logistics

The Meeting was opened by Burkhard Kubbutat, the Vice Chairman, in the absence of the Chair, Brye Bonner, who had travel problems. He welcomed the delegates to Miami and invited Eric Mason of the FBI to welcome the delegates. Eric Mason said that he had invited State and Federal Law Enforcement Representatives to give a presentation on the US Law Enforcement situation.

The Vice Chair read the Code of Conduct and the IPR statement. There was no IPR declaration from any delegate.

2. Apologies received:

Martin Kässens, Jean François Zell, Erwin Foerster.

3. Approve agenda

The original agenda was **tdocS3LI04_001r2**. The presentation by Federal and State Law Enforcement was added under item 7. Ron Ryan asked that the contributions to 33.108 from Nortel in sections 14.2 should be reassigned from himself as the Rapporteur. Bernhard Spalt asked if the ITU documents will be discussed. These will be put under section 19 under AOB to obtain a view from the Group. These will be submitted by Peter

van der Arend as **tdocS3LI04_044-047**. (Oxford TC LI documents **05litd009-12**). The agenda was finally agreed as **tdocS3LI04_001r4**.

4. Nominations and voting for Chair

Election of Chair. There being no other candidate, Brye Bonner was affirmed by acclamation.

5. Registration and assignment of input documents

It was pointed out **tdocS3LI04_041** and **tdocS3LI04_043** are identical so **tdocS3LI04_043** was deleted.

6. Approve meeting report from London

This was **tdocS3LI04_010**. Ron Ryan referred to annex C (list of documents) and asked that contribution 121 should be relabelled as T1P1 report and T1P1 ballot comments. He said that the Source is T1P1 Liaison's Report. The report is now accepted as **tdocS3LI04_010r1**.

7. Review Action Points

This is annex B of **tdocS3LI04_010**.

AP03_05 on the Chair to amend Release 6 in accordance with S3LI03_04 remains open.
AP03_11 on Berthold Willhelm to amend the incorrect reference to TS101 331 in 33.107 release 6 remains open.

7A Presentation by US LE Representatives

The presentation was by Salvatore Presti who is a senior investigator with the NYPD. He thanked 3GPPLI for their efforts in helping LE. He said that the conditions for LI had greatly improved. He commented about the public perception that there is free range for LE but assured us that only properly authorised interception took place. He outlined the criteria for an authorisation and the preliminary work required before applying for an authorisation. The Judge decides whether it will be a full content investigation and that if call details required this must also be specified. He said that there were problems with correlating the closed message because of imprecise timing. There was also a problem with duplicate messages. He asked that solutions to these problems be worked on now with the packet technology. Targets were turning more to the internet and messaging services in place of telephony.

Matt Taylor of the US DEA gave the second presentation and reiterated that wiretap (Call Content) is the last resort in the US and is a very time consuming process. He commented on the restrictions between Agencies even following the Patriot Act although now the target can be identified by name rather than number. He said there were still area restrictions on mobile targets but there is a programme of aggregating switches. He expressed his appreciation for the work of the Standards organisations in assisting their work. This was followed by a discussion on the allocation of costs of implementation and inception.

8. Review outcome of LI and CRs to SA3 and ETSI TC LI

8.1 Liaisons

8.1.1. LS to SA3 LS WLAN LI Requirements. [tdocS3LI03_124r1](#)

This was mentioned at the SA3 meeting where the matter was going to be reviewed. If SA2 have a problem then SA3 will change their architecture.

See 10.4 response from SA2 [TdocS3LI04_041](#) and [tdocS3LI04_042](#). These were presented by Giorgi Gulbani of Nokia who said that SA2 sought further information from SA3LI. They wished to know if there is still a requirement for unencrypted data.

It was pointed out that the provision of keys may not be available from the organisation providing the input.

8.1.2 See [tdocS3LI04_042](#) which is the draft reply from the Chair.

The original enquiry [tdocS3LI03_124r1](#) did not make the differentiation between the ISP and the WLAN and their commercial agreements. It was suggested that this is postponed until we look at the CRs which deal with this. This is a developing problems where tunnelling will become more prevalent.

8.1.3. LS to CN2 on invitation to SA3-LI meeting [tdocS3LI03_127](#)

Marcus Lutz said that there was a statement on the CN2 exploder that the Chairman was unable to attend the Miami meeting. This will be discussed again under item 15.3 [tdocS3LI04_028](#).

8.2 Change Requests

[TD S3-030787](#): [tdocS3LI03_125r1](#) Proposed CR to 33.108: Alignment of Lawful Interception identifiers length to ETSI TS 101 671 (Rel-6). This CR was **approved**.

TD S3-030785: tdocS3LI03_ 120r2 Proposed CR to 33.108: Reporting TEL URL (Rel-6). This CR was **approved**. M. Pope **agreed** to ensure the final change section is indicated in the CR for TSG SA.

TD S3-030782: tdocS3LI03_ 113r2 Proposed CR to 33.108: CS Section for 33.108 – LI Management Operation (Rel-6). This CR was **approved**. It was **noted** that only the content of figure B.1 has changed, not the title and M. Pope **agreed** to correct this before presentation to TSG SA for approval.

TD S3-030781: tdocS3LI03_ 112r2 Proposed CR to 33.108: CS Section for 33.108 – User data packet transfer (Rel-6). This CR was **approved**. It was **noted** that only the presentation of changes in sections B.2 was not clear and M. Pope **agreed** to correct this before presentation to TSG SA for approval.

TD S3-030786: tdocS3LI03_ 123r1 Proposed CR to 33.106: References (Rel6). This CR was **approved**.

TD S3-030784: tdocS3LI03_ 119r1 Proposed CR to 33.107: Reporting TEL URL (Rel-6). This CR was **approved**.

It was noted that these have been successful. Those addressed to TSG SA were still to be finalised. Ron Ryan believes that **tdocS3LI03_113r2** had not been implemented in the latest version 6.4 of 33.108.

Action on Ron Ryan to e-mail Maurice Pope on the implementation of **tdocS3LI03_113r2**

Ron Ryan pointed out the **tdocS3LI03_112r2** had not been implemented either in The latest version of 33.108

Action on Ron Ryan to e-mail Maurice Pope on the implementation of **tdocS3LI03_112r2**

9. Reports

9.1 SA WG3 report

The SA WG 3 Report **tdoc S3LI04_033** was tabled for information.

9.2 SA report

There was no report.

9.3 ETSI TC LI report

TC LI has not had a meeting since November. Their next scheduled meeting is March 23, 2004.

The TC LI chair, who was attending the meeting, said that there are three new specifications, (see 10.2). Updated specs have been sent to ETSI and are expected to become version 1 and will be subject to the normal Change Request. Some work has been started in a working group to ascertain whether the ILETS requirements will cause any changes to ETSI documents. TC LI may start work on WiFi and VoIP.

9.4 T1P1.5 report

Ron Ryan reported that T1 has completed its default ballot on TS 33.108 R5. The approved American National Standard (ANS) on the UMTS Handover Interface is expected to be published in February 2004. The FBI-CIU continued their NO vote regarding deficiencies in the ANS.

The approved T1 changes to TS 33.108 R5 are being submitted to SA3-LI by the TS 33.108 Rapporteur as CRs against R6 for consideration in aligning the 3GPP specification with the ANS.

T1P1.5 continues its joint work with TIA TR45.LAES and T1S1. No impacts of this joint work on the 3GPP LI specifications have been identified or are anticipated.

9.5 TR-45 LAES

No report was available.

9.6 TISPAN

No report was available. However Bernhard Spalt reported that there is an LS to TC LI. Marcus Lutz said that a report from TISPAN WG7 (Security) noted finalization of a document for interception.

9.7 AT Cable-Com

Peter van der Arend reported that they had set up an STF within ETSI to work on their LI standards. The Team Leader is Scott Cadzow. Their work should be finalised by mid-2004.

10 Liaisons

10.1. TR45 LAES

There were no liaisons.

10.2. ETSI TC LI

There were no liaisons. It was noted that the ETSI TC LI group has recently agreed to three specifications, **TS 102 232**, **TS 102 233** and **TS 102 234**.

10.3. SA WG3

[S3-030757](#): T1P1.5 Lawful Intercept from T1P1.5 Chair for information.
Resolution: Noted. LI Group to handle.

Ron Ryan said that he had now contacted Maurice Pope who had now amended the report. He said that this was not an LS nor was it from the Chair. This should never have been submitted to SA3 – as a result SA3 has asked for a report from SA3LI. He felt all that SA3LI should do is address the changes.

10.4 SA WG2

see section 8.1.

10.5 T1P1.5

There were no liaisons.

11. ASN.1 Version Control Discussion

11.1. Incrementing ASN.1 module version number in the next version of 33.108

tdocS3LI04_012 was presented by Giorgi Gulbani of Nokia and concerned the control of the ASN.1 module version number. He proposed to keep a record of CRs that require the ASN.1 module version number to be incremented. Those CRs could be collected in S3 LI meetings, which take place between two consecutive SA plenary meetings. In an S3 LI meeting, which takes place before SA plenary we could accept one, special purpose CR. This CR would propose only one change to 33.108, an increment to module version number. He proposed a process to apply this in **tdocS3LI04_011r1**.

After a long debate, during which it was agreed that a problem existed, it was decided to pass the problem to Giorgi Gulbani, Ron Ryan, Maurizio Iovieno and Manfred Bieier for consideration later in the meeting.

Giorgi Gulbani had spoken to Olivier Dubuisson who confirmed that documents **tdocS3LI04_013r3** and **tdocS3LI04_014r3** were backward compatible and that the revision 4 documents **tdocS3LI04_013r4** and **tdocS3LI04_014r4** will be agreed through e-mail. The e-mail from Olivier Dubuisson was tabled as **tdocS3LI04_051**.

These documents were again reviewed. **tdocS3LI04_013r4** and after further modification this was released as **tdocS3LI04_013r5**. r5 is the fallback solution if r4 is unacceptable. Similarly **tdocS3LI04_014r4** was modified to **tdocS3LI04_014r5** and is the fallback document. (This will depend on the decision of the ASN.1 working group who will e-mail their conclusion. If everyone is content then r4 will be used. This must be done before 6 February.)

12 TS 33.106 Rel. 5 and Rel. 6

12.1 Updates to Release 5 33.106 v.5.1.0

There were no contributions.

12.2 Contributions towards Release 6 33.106v.6.1.0

12.2.1 Correcting acronyms NWO/AP/SvP

tdocS3LI04_031 was presented by Giorgi Gulbani of Nokia who said that 33.106 and 33.108 would be misaligned. He noted that an LS had already been sent to SA1 on this subject. There has been no acceptance from SA1. It was noted that there is a difference between 3GPP and ETSI definitions. The CR was accepted after minor modification and resubmitted as **tdocS3LI04_031r1**. To be held until after SA1 responds to our liaison.

13 TS 33.107 Rel. 5 and Rel. 6

12.1 Updates to Release 5 33.107 v.5.5.0

There were no contributions.

13.2 Contributions towards Release 6 33.107v.6.1.0

13.2.1 Change Request - Correction on the use of session initiator parameter

tdocS3LI04_020 was presented by Maurizio Iovieno of Ericsson.

This CR was accepted but was later modified and reissued as **tdocS3LI04_20r1**.

13.2.2 Change Request - Adding an encryption parameter to IRI across X2 interface

tdocS3LI04_016 was presented by Giorgi Gulbani of Nokia and proposes to add a new parameter to X2 interface to align 33.107 with 33.106. Bernhard Spalt suggested that “CC” be added to the sentence. After several other minor additions this was agreed and will be reissued as **tdocS3LI04_016r1**.

13.2.3 Possible implications of MBMS, 3GPP-WLAN interworking and PoC on X-interfaces

tdocS3LI04_022 was presented by Giorgi Gulbani of Nokia and concerns the encryption for new services. 33.107 does not include these services and Giorgi proposes an additional section, 7B, and acronyms to be defined in section 3.2.

This CR addresses a number of issues that have not yet been discussed in the Group. Moreover it is not clear what is involved in each service. After some discussion it was agreed that this would be dealt with under the tracking list for further study. There is a need for some architecture.

Action Point: Giorgi Gulbani to provide some guidance on architecture for the new services.

13.2.4 Addition of IMS intercept configuration

tdocS3LI04_027 was presented by Marcus Lutz of Alcatel who proposes some modifications and additions to cover IMS. After minor modification this will be reissued as **TdocS3LI04_027r1**. There was still a problem with this document and a modification **tdocS3LI04_027r2** will be referred to the author Markus Lutz by the Chair for approval for forwarding to SA3. Otherwise it will be re-presented at the April meeting.

13.2.5 References

tdocS3LI04_032 was presented by Manfred Bieirer of RegTP and proposes to update the references since some of them are outdated from ETR 331 which now replaced by TS 101 331. After some discussion it was decided to defer this to the next meeting including reference to 33.108. It will be reissued as **tdocS3LI04_032r1**.

13.2.6 Discussion - Monitoring both session content and signalling in IMS networks based on one identity on IMS level

tdocS3LI04_034 is a discussion paper and was presented by Antti Laurila of Nokia who said that currently 3GPP defines only a method for collecting IRI from IMS session but not a method for triggering actual CC interception and delivery on IMS specific identity (SIP_URL / TEL_URL). He proposed several new solutions as to how the indication to

start interception may be delivered from IMS domain to GPRS domain and also how CC associated with IMS session, based on IMS identity, can be intercepted in GPRS domain.

Following an extended discussion it was decided to note the document.

13.2.7 Discussion - Monitoring both session content and signalling in IMS networks based on one identity on GPRS level

tdocS3LI04_035 is a discussion paper and was presented by Antti Laurila of Nokia.

The document was noted.

13.2.8 Discussion – Identification of LEMF address

tdocS3LI04_037 is a discussion document and was presented by Selvam Rengasami of the FBI/CIU who said an assumption made in TS 33.107 is that all intercepted communications content are delivered to a common LEA address when delivery occurs over an IP based network. His contribution considered enhancements to TS 33.107 to support the Network Operator selection of an LEA Address when there are multiple addresses to choose from for delivering content.

He recommended that the group consider adding a capability for the MF to choose and signal the selected LEMF address in a Begin record and he proposed specific text changes for consideration.

After considerable discussion it was decided to review the document again in the light of 33.108.

14 TS 33.108 Rel. 5 and Rel. 6

14.1 Updates to Release 5

33108-v.5.4.0

14.1.1 Change Request - Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R5

See section 11.

14.1.2 Change Request - Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record

tdoc S3LI04_018 was presented by Maurizio Iovieno of Ericsson who said that table 6.11 and annex B3 required amendment to remedy the misalignment with TS 33.107.

The CR was accepted after amending the Source this was reissued as **tdocS3LI04_018r1**.

It was noted that a similar change should take place is **TS 101 671**.

Action Point: Maurizio Iovieno to check changes for **TS 101 671** as a result of **tdocS3LI04_018r1**.

14.1.3 Discussion - Clarification on the use of IRI-END record in PS interception

tdoc S3LI04_021 this was a discussion paper presented by Maurizio Iovieno of Ericsson. He identified three problems in IRI END Records which were subject to two interpretations and proposed two changes in 33.108. These changes were accepted and a formal CR will be drafted. He added that there is a problem in R5 but it was decided to leave it as it is, due to the “frozen” nature of R5.

Action Point: Maurizio Iovieno to draft CR for 33.108 R6 based on **tdoc S3LI04_021**. This will be **tdocS3LI04_048**.

This was later submitted as **tdocS3LI04_048 CR on TS 33.108 v5.4.0** presented by Maurizio Iovieno and concerned the clarification on the use of IRI-END record in PS interception. Changes in clauses 4.5.3 and 6.5.1.4. This was agreed.

14.2 Contributions towards Release 6 33108-v.6.2.0

14.2.1 Change Request – Corrections to Introduction and Scope

tdoc S3LI04_002 this was presented by Ron Ryan the Rapporteur and was proposed to correct the scope to facilitate development of National Standards. This proposal affects the introduction and clause 1 Scope. There was a thought that the generic 3GPP standard should not be modified to National Standards as this may provoke a further set of amendments. The first, second and fourth changes were not agreed but the references were added. The third change was accepted but the addition of GSM was not. These changes will now be combined with one of the other CRs.

14.2.2 Change Request - Corrections to References

tdoc S3LI04_003 was presented by the Rapporteur Ron Ryan and proposed to correct the references and replace GSM references with 3GPP references. The proposal to remove the reference to the ETSI Requirements was rejected. It was agreed that reference 4 may be amended and the version number removed. In reference 5 the suite of ITU-T X.680 references was removed along with the date. Reference 6 corrected the title and removed the date. Similarly the date notations in 7 and 8 were removed. The amendment to reference 9 was accepted subject to checking. The deletions of 10, 11, 12 were agreed.

The amendments to 13, 14 (less version and release number), 15, 16, (dates to be added in 15 and 16), 17, 18, 19, 20, and 21 were accepted. The deletion of 22 was agreed. The changes or amendments to 23, 24, 25, 26, 27, 28, 29 and the deletion of 35 were agreed. A further number of editorial changes were agreed and the deletion of bibliography number 17 was agreed. This will be represented at the next meeting.

14.2.3 Change Request - Corrections to Usage of IRI, CC, Ref, and Government

tdoc S3LI04_004 was presented by the Rapporteur Ron Ryan who said this would make the document consistent. The changes to IRI and CC were accepted as modified. Section 4.4.1 was left as Government. Other editorial changes were accepted. Table C1 and its notes require further study. This is temporarily saved as **tdocS3LI04_004r2** and will be combined with CR **tdocS3LI04_002**.

14.2.4 Change Request - Corrections to U.S. Requirements

tdoc S3LI04_005 was presented by the Rapporteur Ron Ryan and proposes changes to section 7.1.2 and annex H. It was proposed that the two sentences (from 6.1.2 and 7.1.2) be placed in annex H. The references to GSM were deleted. In the review of annexe H there was discussion on the timing requirement as this is an FCC requirement for circuit switched networks. A question revolved round the term accuracy and precision. A footnote was added to say that accuracy should be interpreted as precision. The Reason for Change and the category were modified. It will be reissued as **tdocS3LI04_005r1**. This was later reviewed and agreed.

14.2.5 Change Request - Editorial Corrections

tdoc S3LI04_006 was presented by the Rapporteur Ron Ryan and are further editorial corrections. This was approved with minor changes and will be issued as **tdocS3LI04_049** and will incorporate **tdocS3LI04_002** and **tdocS3LI04_004**. This was later reviewed and reissued as **tdocS3LI04_049r1** and agreed.

14.2.6 Change Request - Corrections to Tables 6.2, 6.7, 6.11, and ASN.1

tdoc S3LI04_007 was presented by the Rapporteur Ron Ryan. The correction to the tables were accepted but the ASN.1 modification was held until it is needed. It will be reissued as **tdocS3LI04_007r1**. This was later reviewed and agreed.

14.2.7 Change Request - Corrections to Correlation Number

tdoc S3LI04_008 was presented by the Rapporteur Ron Ryan and proposes to add clarifying text to section 6.1.3. After some discussion the proposed text was amended and made into a note. The Editor's note in 7.1.3 was deleted. The CR will be reissued as **tdocS3LI04_008r1**. This was later reviewed and agreed.

14.2.8 Change Request - Correction to Identifiers

tdoc S3LI04_009 was presented by the Rapporteur Ron Ryan and proposed to add clarifying text to section 7.1 to add a feature for IMS interception. This was approved after a minor modification and will be reissued as **tdocS3LI04_009r1**. This was later reviewed and agreed.

14.2.9 Change Request - Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R6

tdoc S3LI04_014r4 this was presented by Giorgi Gulbani on behalf of Nokia and Ericsson and follows the work done in conjunction with Ron Ryan and Manfred Beierer. It addressed again the question of backward compatibility for the ASN.1 module. He stressed that parameters having the same tag numbers must be identical in R5 and R6. After some further amendment this will be reissued as **tdocS3LI04_014r6**

tdocS3LI04_013r4 was also introduced by Giorgi Gulbani and addressed the problem of the ASN.1 structure in 33.108 R5. It was decided to ask the Group to re-address the question.

14.2.10 Change Request - Syntax error in Annex B.3

tdoc S3LI04_015 was introduced by Manfred Beierer of Reg TP and concerned a syntax error in Annex B3. This was accepted with a minor modification and will be re-issued as **tdocS3LI04_015r1**. This was later reviewed and after a small amendment was reissued as **tdocS3LI04_15r2**.

Action Point: Manfred Beierer will write a CR for Release 5 in accordance with **tdocS3LI04_015r1**

14.2.11 Change Request - Adding an encryption parameter to IRI across HI2 port

tdoc S3LI04_017 was presented by Giorgi Gulbani of Nokia who proposed to add a new parameter to the IRI parameters to align with 33.106. This was thought to be a useful contribution but after some discussion it was decided to withdraw this proposal for further study.

14.2.12 Change Request - Correction on the description of “initiator” in “PDP Context Modification CONTINUE Record

tdoc S3LI04_019 this was presented by Maurizio Iovieno of Ericsson. This is a corresponding CR from a change in R5 in **tdocS3LI04_018** and intends to align the texts. This was accepted. It was later reviewed and reissued as **tdocS3LI04_019r1**.

14.2.13 Possible implications of MBMS, 3GPP-WLAN interworking and PoC on X-interfaces

tdoc S3LI04_023 this was withdrawn.

14.2.14 Discussion – Identification of LEMF address for Delivery of CC

tdoc S3LI04_036 this was presented by Selvam Rengasami and describes the capability of using different interfaces towards the LEMF. He proposes changes to 33.108 to accommodate this optional capability. He described a number of possibilities where this would be appropriate. He pointed out that CDMA2000 had this capability. There was some concern that there is no relation between DF2 and DF3 to enable this capability. There is apparently a Dutch solution to the requirement which is not reflected in 33.108. However there was a sharp division in the Group and the contribution was noted for further development.

14.2.15 Discussion – Network Based Dialed Digit Extraction

tdoc S3LI04_038 this was presented by Selvam Rengasami of FBI/Tridea so that the same capability is available from the PS network as from the CS network. He proposes text to be added to the US specific annex. This would allow the NWO to determine how extraction could be accomplished. The suppliers were anxious to fix the network element where this may be done. A similar dilemma faces the network operators.

15 Continued Discussion and New Business

15.1 Review New Items Folder

tdoc S3LI04_026 was presented by the Chair

15.1.1 Legal Requirement Adaptation Box

Bernhard Spalt of Siemens said that **tdoc S3LI04_029** and **S3LI04_030** have now replaced **tdoc S3LI03_090** and **S3LI03_091** from an earlier meeting. He briefly went through **tdoc S3LI04_029**. He said that they had also been reviewed at ETSI TC LI. The questions on the location and the jurisdiction over the ISEB/LRAB remain to be resolved. He said that it may have some application to the data retention question. There has been a similar suggestion in the IETF. The documents were noted and will be reviewed again at a later meeting.

15.1.2 2002 liaison statement on AMR-WB and Lawful Interception from CN4.

tdoc S3LI02_080 is found within **tdocS3LI04_026**. The Chair asked if this is still perceived to be a problem. It was decided that if we found in the future there was a problem then we would contact CN4.

15.2 Discussion - ITU-T X.805

tdocS3LI04_025 contains the ITU-T Recommendation X.805 document. This was briefly reviewed and it was agreed to follow the progress and take no action for the time being.

15.3 Discussion - Lawful Interception for SCP initiated calls

tdoc S3LI04_028 was presented by Marcus Lutz of Alcatel. This refers to an LS from CN2. He said that the CN work (on CAMEL) will shortly close. His paper concludes that for SCP initiated calls LI cannot be fully supplied especially when the call initiating CAMEL user is expected to be an LI target. He had three recommendations and suggested that we send a LS to CN. After some discussion to clarify the scenario it was decided to send an LS based on the document.

Action Point: Chair to draft LS to CN2 on Lawful Interception for SCP initiated calls

15.4 Discussion – WLAN-3GPP Interworking – LI Requirements

tdoc S3LI04_039 was introduced by Selvam Rengasami of FBI/Tridea who proposes a basic set of LI requirements for WLAN. He identified several scenarios and said that the models presently in 33.107 and 33.108 are limited and do not support WLAN interworking. He recommends that the model is expanded. The Group does not fully understand the problem and ask that the contributor prepare further information. It was noted that the WLAN specification in question TS 23.234 has not yet been approved.

15.5 Discussion – Work Item

tdoc S3LI04_040 was introduced by Koen Jaspers of PIDS. This concerns different network entities and he suggested that third party vendors improve or facilitate interception in services connected to the 3G architecture. It was pointed out that many of the services are not standardised and hence there is little commonality between them. The possibility of a standard interface was discussed. The subject will be further examined by the contributor and re-submitted at the next meeting.

15.6 ASN.1 Working Group

See section 11.

16. Review meeting output

16.1 LS to SA2 and SA3

tdocS3LI04_042 presented by Giorgi Gulbani of Nokia and is the Reply to LS (S2-040468) on 3GPP WLAN interworking Lawful Interception Requirements. This concerns encrypted services and the access to unencrypted data. After considerable debate it was found necessary to rewrite the text. This was approved as **tdocS3LI04_042r1**.

16.2 LS to SA1 on New Acronym for ANP

tdocS3LI04_024 was presented by the Chair and asks SA1 to update the vocabulary document. This was approved.

17. Discuss meeting agenda, work plan for next meeting

18 Review Action Points

Action on Ron Ryan to e-mail Maurice Pope on the implementation of **tdoc S3LI03_113r2**

Action on Ron Ryan to e-mail Maurice Pope on the implementation of **tdoc S3LI03_112r2**

Action Point: Giorgi Gulbani to provide some guidance on architecture for the new services.

Action Point: Maurizio Ioveno to check changes for TS 101 671 as a result of **tdocS3LI04_018r1**.

Action Point: Maurizio Ioveno to draft CR for 33.108 based on **tdoc S3LI04_021**

Action Point: Manfred Bieirer will write a CR for Release 5 in accordance with **tdocS3LI04_015r1**

Action Point: Chair to draft LS to CN2 on Lawful Interception for SCP initiated calls

19 Other business

19.1 late documents

20. Close of meeting

The Chair, Brye Bonner, thanked the delegates for their work and thanked the FBI and Tridea, for making the meeting possible.

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 April 7.

2004 meeting dates and venues

14-16 April in Rome, Italy hosted by European Friends of 3GPP
19-20 July in Povia de Varzim, Portugal hosted by European Friends of 3GPP
21 July in Povia de Varzim, Portugal . Joint meeting with ETSI TC LI
(22-23 July in Povia de Varzim, Portuga l. ETSI TC LI meeting)
12-14 October in USA hosted by US Friends of 3GPP

Annex A: List of attendees

		Name	Company	e-mail
Mr	Peter	Arend vd	KPN	p.c.j.vanderarend@kpn.com
Mr	Salvatore	Aresti	New York State Police	spresti@troopers.state.ny.us
Mr	Manfred	Beierer	BMW	manfred.beierer@regtp.de
Mr	Bob	Beeson	Lucent	rbeeson@lucent.com
Ms	Brye	Bonner	Motorola	brye.bonner@motorola.com
Ms	Terri	Brooks	Nokia	terri.brooks@nokia.com
Ms	Pat	Brown	Home Office	pat.brown@homeoffice.gsi.gov.uk
Mr	Ken	Coon	CIU/Tridea Works	kcoon@askcalea.net
Mr	Adrian	Escott	3	Adrian.escott@three.co.uk
Mr	Colin	Gray	O2 UK	colin.gray@o2.com
Mr	Giorgi	Gulbani	Nokia	giorgi.gulbani@nokia.com
Mr	Maurizio	Iovieno	LM Ericsson	maurizio.Iovieno@eri.ericsson.se
Mr	Koen	Jaspers	MoJ, PIDS	Kbj@xs4all.nl
Mr	Burkhard	Kubbutat	O2 Germany GmbH	burkhard.kubbutat@o2.com
Mr	Antti	Laurila	Nokia	Antti.k.laurita@nokia.com
Mr	Alex	Leadbeater	BT Group	alex.leadbeater@bt.com
Mr	Marcus	Lutz	Alcatel SA	m.lutz@alcatel.de
Mr	Greg	Milonovich	CIU/FBI	gmlanovich@askcalea.net
Mr	Selvam	Rengasami	CIU/FBI	selvam@trideaworks.com
Mr	Ron	Ryan	Nortel Networks	rryan@nortelnetworks.com
Mr	Jerry	Shih	Cingular Wireless	jerry.shih@cingular.com
Mr	Les	Szwajkowski	Raytheon	lszwajkowski@raytheon.com
Mr	Bernhard	Spalt	Siemens AG	bernhard.spalt@siemens.com
Mr	Eric	Mason	CIU/FBI	emason@askcalea.net
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

Annex B: List of Action Items

Number	Name	Action	status
2003			
<i>AP03_01</i>	Koen Jaspers	Contribution on alarm and information messages	Closed
<i>AP03_02</i>	Ron Ryan	To amend abbreviations for NOs ANs and APs in R6.	Closed
<i>AP03_03</i>	Giorgi Gulbani	To write a LS to TC LI in response to tdoc 058 as tdoc 073	Closed
<i>AP03_04</i>	Chair	To write to TC LI regarding joint meeting	Closed
<i>AP03_05</i>	Chair	To amend Release 6 in accordance with S3LI03_049	

<i>AP03_06</i>	Maurice Pope	To amend Release 6 in accordance with tdoc S3LI03_049	Closed
<i>AP03_07</i>	Chair	Advise SA3 on the use of the term ANP in SA3LI	Closed
<i>AP03_08</i>	Chair	To work on code of conduct for meeting and circulate by e-mail	Closed
<i>AP03_09</i>	Maurizio Ioviono	To consider a paragraph for 33.106 for the use of target identities in the PS domain.	Closed
<i>AP03_10</i>	Chair	To open and maintain a file for ideas for regular review	Closed
<i>AP03_11</i>	Wilhelm Berthold	To amend the incorrect reference to TS101 331 in 33.107 release 6	
<i>AP03_12</i>	Chair	To send new acronym ANP to Maurice Pope	Closed
<i>AP03_13</i>	Alex Leadbeater	To inform SA3 of LI's approving items 8.2.1 and 8.2.2	Closed
<i>AP03_14</i>	Bernhard Spalt	To create a new CE to add a section to the scope to 33.106 as S3LI03_123	
<i>AP03_15</i>	Bernhard Spalt	To find the MBMS document from SA1 for next meeting	Closed
2004			
<i>AP04_01</i>	Ron Ryan	to e-mail Maurice Pope on the implementation of tdoc S3LI03_113r2	
<i>AP04_02</i>	Ron Ryan	to e-mail Maurice Pope on the implementation of tdoc S3LI03_112r2	
<i>AP04_03</i>	Giorgi Gulbani.	to provide some guidance on architecture for the new services	
<i>AP04_04</i>	Maurizio Ioveno	to check changes for TS 101 671 as a result of tdocS3LI04_018r1	
<i>AP04_05</i>	Maurizio Ioveno	to draft CR for 33.108 based on tdoc S3LI04_021	
<i>AP04_06</i>	Manfred Bieirer	write a CR for Release 5 in accordance with tdocS3LI04_015r1	Closed
<i>AP04_07</i>	Chair	to draft LS to CN2 on Lawful Interception for SCP initiated calls	Closed
<i>AP04_08</i>			
<i>AP04_09</i>			
<i>AP04_10</i>			

Annex C: List of Documents

TD #	Title	Source	Meeting	Doc for	Comments	Status
001r4	Draft Agenda	Chair	2004-01	Approval	updated	Approved
002	Change Request – Corrections to Introduction and Scope	Rapporteur T1P1.5	2004-01	Approval	Tdoc 049	noted
003	Change Request - Corrections to References	Rapporteur T1P1.5	2004-01	Approval	Revise for April meeting	noted
004	Change Request - Corrections to Usage of IRI, CC, Ref, and Government	Rapporteur T1P1.5	2004-01	Approval	To 049	noted
005r1	Change Request - Corrections to U.S. Requirements	Rapporteur T1P1.5	2004-01	Approval		approved
006r1	Change Request - Editorial Corrections	Rapporteur T1P1.5	2004-01	Approval	To 049	noted
007r2	Change Request - Corrections to Tables 6.2, 6.7, 6.11, and ASN.1	Rapporteur 1P1.5	2004-01	Approval		approved
008r1	Change Request - Corrections to Correlation	Rapporteur T1P1.5	2004-01	Approval		approved
009r1	Change Request - Correction to Identifiers	Rapporteur T1P1.5	2004-01	Approval		approved
010r1	Meeting Report	Secretariat	2004-01	Approval		approved
011r1	Incrementing ASN.1 module version number in the next version of 33.108	Nokia	2004-01	Working group		noted
012	Discussion paper. Controlling ASN.1 module version number	Nokia	2004-01	Working group		noted
013r5/r9	Change Request - Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R5	Nokia	2004-01	Approval	R5 accepted R9 replaces R5 after email discussion	approved
014r5/r10	Change Request - Implications of R5 onwards QoS parameters on ASN.1 module in 33.108. R6	Nokia, Ericsson	2004-01	Approval	R5 accepted R10 replaces R5 after email discussion	approved
015r2	Change Request - Syntax error in Annex B.3	Reg TP	2004-01			approved
016	Change Request - Adding an encryption parameter to IRI across X2 interface	Nokia	2004-01		Further Study	Noted
017	Change Request - Adding an encryption parameter to IRI across HI2 port	Nokia	2004-01	Approval	future study	noted

TD #	Title	Source	Meeting	Doc for	Comments	Status
018r1	Change Request - Correction on the description of "initiator" in "PDP Context Modification CONTINUE Record	Ericsson	2004-01	Approval		approved
019r1	Correction on the description of "initiator" in PDP Context Modification CONTINUE record	Ericsson	2004-01	Approval		approved
020r1	Change Request - Correction on the use of session initiator parameter	Ericsson	2004-01	Approval		approved
021	Discussion - Clarification on the use of IRI-END record in PS interception	Ericsson	2004-01	Discussion	CR48 for Rel 6 33.108	noted
022	Possible implications of MBMS, 3GPP-WLAN interworking and PoC on X-interfaces	Nokia	2004-01		Further Study	noted
023	Possible Implications of MBMS, 3GPP-WLAN interworking and PoC on HI ports	Nokia	2004-01	Discuss		noted
024	LS on new acronym	Chair	2004-01	Approval		Approved
025	ITU-T Series X	Chair	2004-01	discuss	No problem found	noted
026	Monitor file	Chair	2004-01	discuss	AMR-WB tracking no longer needed	noted
027r1	Addition of IMS intercept configuration	Alcatel	2004-01	approval	Change made after Alcatel left. Must be approved by Alcatel	To be further discussed in April meeting
028	Lawful Interception for SCP Initiated calls	Alcatel	2004-01	discuss	Chair to write LS - tdoc 52	
029	LRAB version 2	Siemens	2004-01	discuss	Continue to hold in monitor file	noted
030	LRAB version 2	Siemens	2004-01	discuss	Continue to hold in monitor file	noted
031r1	Change Request - Correcting acronyms NWO/AP/SvP	Nokia	2004-01	Approval	Hold until SA1 approve voc. change	approved

TD #	Title	Source	Meeting	Doc for	Comments	Status
032	References	Reg TP	2004-01		Will be modified for March meeting	noted
033	SA WG3 report	Rapporteur	2004-01	Information		Not reviewed
034	Discussion - Monitoring both session content and signalling in IMS networks based on one identity on IMS level	Nokia	2004-01		future	noted
035	Discussion - Monitoring both session content and signaling in IMS networks based on one identity on GPRS level	Nokia	2004-01	discussion	future	noted
036	Discussion- Identification of LEMF Address for Delivery of CC	FBI/Tridea	2004-01	discussion		Noted
037	Discussion – Identification of LEMF address	FBI/Tridea	2004-01	discussion		noted
038	Network Based Dialed Digit Extraction	FBI/Tridea	2004-01	discussion		Noted
039	WLAN-3GPP Interworking-LI Requirements	FBI/Tridea	2004-01		Future study	Noted
040	Work Item	PIDS	2004-01		Review in April	Noted
041	LS from SA WG2 LS WLAN	Nokia	2004-01	discussion		reviewed
042r1	LS to SA2, SA3 WLAN	Nokia	2004-01	discussion		approved
043	Void		2004-01			
044	ITU doc		2004-01	discussion		Not reviewed
045	ITU doc		2004-01	discussion		Not reviewed
046	ITU doc		2004-01	discussion		Not reviewed
047	ITU doc		2004-01	discussion		Not reviewed
048	Change Request - Clarification on the use of IRI-END record in PS interception	Ericsson	2004-01	approval	Based on Tdoc 021	approved
049r1	CR 33.108 Editorial Corrections	Rapporteur T1P1.5	2004-01	approval		approved
050r1	CR- 33.108 R5 Syntax Error in Annex B.4	Reg TP	2004-01	approval		approved
051	Re Unrecognized OID. Backward compatibility.txt	Nokia	2004-01	discuss		noted

TD #	Title	Source	Meeting	Doc for	Comments	Status
S3LI04 052	LS to CN2	Chair	2004-01		Email discussion	approved
053	Meeting Report - Draft	Secretariat	2004-01	approval		

Annex D: List of Change Requests

005r1	Change Request - Corrections to U.S. Requirements
007r2	Change Request - Corrections to Tables 6.2, 6.7, 6.11, and ASN.1
008r1	Change Request - Corrections to Correlation
009r1	Change Request - Correction to Identifiers
13r9	Change Request QoS 33.108 R5
14r10	Change Request QoS 33.108 R6
015r2	Change Request - Syntax error in Annex B.3
018r1	Change Request - Correction on the description of "initiator" in "PDP Context Modification CONTINUE Record
019r1	Correction on the description of "initiator" in PDP Context Modification CONTINUE record
020r1	Change Request - Correction on the use of session initiator parameter
048	Change Request - Clarification on the use of IRI-END record in PS interception
049r1	CR 33.108 Editorial Corrections
050r1	CR- 33.108 R5 Syntax Error in Annex B.4

Annex E: List of Liaison Statements

024	LS to SA1 on new acronym
042r1	LS to SA2, SA3 WLAN
052	LS to CN2

Annex F: List of related GSM specifications

GSM specifications:

rapporteur

GSM 01.33: Lawful Interception requirements for GSM version 8.0.0 (Motorola) Brye Bonner
GSM 02.33: Lawful Interception - stage 1 version 8.0.0 (Motorola) Brye Bonner
GSM 03.33: Lawful Interception - stage 2 version 8.0.0 (Motorola) Brye Bonner



Results of the worse ice storm in South Carolina in 30 years.