Tdoc S3 LI 03_078DRAFT

Report of the 3GPP TSG SA WG3-LI (S3-LI) meeting #2/03 on lawful interception

Vienna, Austria 20-22 May 2003

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

Management Team:
Chairman:	Brye Bonner	Motorola
Vice Chairman:	Bernd Adams	Deutsche Telekom
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 5.2.0:	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 6.0.0:	Ron Ryan (Nortel Networks)

1   Welcome and Logistics

The meeting was opened by the Chair, Ms Brye Bonner of Motorola. She welcomed the delegates. Bernhard Spalt, on behalf of the Friends of 3GPP, gave the administrative details and Walter Marxt of the Austrian Ministry gave details of the social event.

1.1   Approval of Agenda

The agenda with working schedule in **Tdoc S3LI03_063r1** was proposed by the chair and agreed with minor amendments.

1.2 Registration and assignment of input documents

The input documents are listed in Annex C.

1.3 Approval of Report from Paris

The report from the S3-LI meeting in Paris 19-21 February 2003 was tabled as **Tdoc S3LI03_031r1 (now entered into the document box as tdoc #79).** The Chair commented on Section 9.1.4 the loss of the technical officer was owing to monetary constraints in ETSI. There was some debate on the absence of a technical officer but it was noted that we may be able to change the CR procedures. To be discussed under new business.

The report was approved.

1.4 Review Action Points from Paris

List of action points in **Tdoc S3LI03_031** from Paris.

AP02-23 still open. Chair will send an e-mail to Michael Schepers.
AP02-29 Selvam reported that there are no additional LI requirements. Item closed.
AP02-32 now closed.
AP03-01 and 03-02 both have contributions to the meeting and are now closed.

2. Reports

2.1 SA WG3 reports (February and May)   tdoc S3LI03_053

This was presented by Berthold Willhem. There was a question regarding the CR on 33.108 which had been accepted by SA3 including the WI description. Congratulation to V. Niemi from Nokia who is the new Chairman of SA3. The November SA3 meeting may be coincident with SA3 LI.

All CRs to be approved by e-mail after LI meeting. The email discussion will be open for two weeks following the posting of the CRs. At the end of two weeks the SA3 rejected CRS will be revised by a delegate from LI and will be open for comment from S3 and LI for an additional two weeks. At the end of that time the CRs that have not been accepted will be discussed during the next SA3 LI meeting.

2.2 SA report

No report was tabled.

2.3 ETSI TC LI   tdoc S3LI03_057

This was presented by Giorgi Gulbani who reported that the Benalmadena meeting has taken place. There were numerous CRs on TS 101 671 which were reviewed for any impact on 33.108. There had been an extensive discussion on the handover specification for IP delivery for the impact on GSM/UMTS networks and will be dealt within **tdoc 058**. He drew attention to the security attack on the laptops at Benalmadena and this will be addressed in **tdoc 068.** He also pointed out that there were now some misalignments between the 33.xxx series and the GSM LI documents.

He asked specifically for comments on CR039r1 which prompted a suggestion that all the TC LI CRs should also be addressed to SA3LI in a suitably modified form.

Giorgi suggested that companies review the following ETSI TC LI CRs for possible incorporation into S3LI documents. His comments follow:

- CR039r1 in Tdoc 016 (Composition of calling Party Subaddress). We need to consider this for Rel-6 33.018, under subclause J.2.3.2 (Field order and layout).
- CR041 in Tdoc 017 (Additional value direction indication). We need to consider this for Rel-6 33.018, under subclause J.2.4 (Field coding).
- CR043r1 in Tdoc 009r1 (Clarification of definitions of sequence number and communication identity number). We need to consider this for Rel-6 33.018, under subclause 5.1.2.2 (Communication Identity Number (CIN) – optional).
- CR044r1 in Tdoc 050r2 (GSM location direction). We need to consider this for Rel-6 33.018, under subclause B.3 (Intercept related information (HI2)).
- CR045in Tdoc 043 (HI3 delivery of CC). We need to consider this for Rel-6 33.018, under subclause 5.3.1 (Delivery of Content of Communication).
- CR046r1 in Tdoc 044r1 (Field separator in subaddress). We need to consider this for Rel-6 33.018, under subclause J.2.3.2 (Field order and layout).
- CR048r2 in Tdoc 047r5 (Adjustments to the requirements on the delivery of the intercepted RT data over TCP). In line with 33.108. We may consider adding the following note to subclause 6.2.2 (Quality): "Note: Apart from transport layer protocol selection, real time delivery depends on network performance."

2.4 T1P1.5   tdoc S3LI03_052

This was presented by Ron Ryan from the May meeting. The file contains the report and the liaisons.   The meeting was collocated with T1S1 (wireline). The next meeting in August will also be collocated with T1S1.

2.5 TR-45 LAES (March/April)   tdoc S3LI03_065

Brye Bonner reported -

2.5.1 The Law Enforcement group, which used to be called CALEA IMPLEMENTATION SECTION (CIS), has a new name – Electronic Surveillance Technology Section (ESTS).

2.5.2 Service Providers may be bringing into TR45 a request for two projects :

> (1) to support the CALEA requirement from ESTS Carrier Grade Voice over Packet document issued in January (J-STD-025C).

> (2) to support the functionality beyond CALEA from the CGVoP document plus three other documents in which ESTS has stated their requirements.

2.5.3 Changes to the document include an ASN.1 informative annex from Nortel and additional work for stage 2 and stage 3 from CDMA2000 group. The LAES group sent a liaison asking CDMA2000 to revise the LAES message set where possible as it is less costly for both industry and law enforcement when reuse is deployed.

2.5.4 T1P1 supports the new ASN.1 LAES Object Tree suggested by T1M1 (wireline group) but it is unclear what this means for the 3GPP LI group where we use the ETSI/3GPP tree.

2.5.5 LAES will start V&V (validation and verification) in June and approve for ballot in July.

2.6 TIPHON

Bernhard Spalt noted that there is to be TIPHON meeting shortly.

3. Liaisons

3.1 TR45 LAES   **tdoc S3LI03_none**

3.2 ETSI TC LI   **(02TD059)**   **tdoc S3LI03__058**

This was presented by Giorgi Gulbani and is the response to the 3GPP LS, which discussed the possible overlap between TS33.108 and the ETSI TC LI SEC-003020. It was pointed out that there cannot be a complete alignment between the two documents and that the GSM/UMTS should standalone, whereas the TC LI document applies to a variety of techniques.

After some discussion it was proposed that there could be a joint meeting in October in Moscow. It was proposed that the Chair will ask TC LI for their view on an occasional joint meeting.

AP03_03 Giorgi Gulbani will write anLS to TC LI in response to **tdoc S3LI030_58.**

AP03_04 Chair to write to TC LI Chair regarding a joint meeting.

3.3 SA WG3   **tdoc S3LI03_none**

3.A Discussion of addition of MSISDN to GTP Forward Relocation Request Message **tdoc S3LI03_039**
SA3 tdoc S3-030103, CN tdoc N4-030085
(Alcatel)

This was introduced by Markus Lutz in view of the forthcoming CN4 meeting and concerns the delay in passing the MSISDN to an SGSN.

It was decided that since the IMSI is available in the GTP Forward Relocation Request message there would not be a delay.

4. TS 33.106 Rel. 5 and Rel. 6

4.1 Updates to Release 5   **33.106 v.5.1.0**

4.1.1 References   **tdoc S3LI03_050**

This CR was introduced by Bernhard Spalt and corrects the references list in Rel 5. It was not approved as it is not an essential correction.

4.2 Contributions towards Release 6   **33.106v.6.0.0**

4.2.1 References   **tdoc S3LI03_051**

This CR was introduced by Bernhard Spalt and corrects the references list in Rel 6. It was approved.

Action Point AP 03_05 Maurice Pope to amend Release 6 in accordance with tdoc S3LI03_051

5. TS 33.107 Rel. 5 and Rel. 6

5.1 Updates to Release 5   **33.107 v.5.5.0**

5.1.1   Requested QoS Parameter in IRI   **tdoc S3LI03_044**

This CR was presented by Bernhard Spalt. However, since this is not an essential correction it cannot be accepted for Rel 5

5.1.2   Missing QoS Parameter in IRI   **tdoc S3LI03_048**

This CR was presented by Bernhard Spalt because the parameter is missing in the 33.107 LI specifications but appears in 33.108.

After amendment, this was accepted as **tdoc S3LI03_048r1**.

5.1.3   Optional general purpose HI1 messages   **tdoc S3LI03_054**

This was presented by Koen Jaspers and proposes a generalised method for HI1 messages. After a long discussion it was decided that there was insufficient support. The document was withdrawn.

5.1.4   IMS-Dialled Digit Extraction   **tdoc S3LI03_060**

This was presented by Selvam Rengasami and was a re-submission of several previous documents and identifies the key elements required on IP multimedia systems.

From the US perspective there are capacity problems as all warrants for communication identifying information would need to be temporarily turned into warrants for communication content. Ron Ryan suggests two means for Dialed Digit Extraction from a Subject's Content stream can be identified:

> 1. Extract the Dialed Digits at a Delivery Function Network Element
> 2. Extract the Dialed Digits at Access Function Network Elements

There are several issues with each approach, which must be reviewed and addressed. Isolation of 'Digits' in the subject's Content stream is not possible in all cases. One single approach is not necessarily correct for all systems. In addition, any approach may not be reasonable for some systems.

A third method of extracting the Dialed Digits is at the LEMF, which, although there would still be capacity problems, would be possible in all cases and reasonable in all systems. For further study.

5.1.5   Discussion paper on multiplexed media components   **tdoc S3LI03_069**

This was presented by Giorgi Gulbani and after discussion was withdrawn.

5.1.6   WLAN-3GPP Interworking – LI Requirements   **tdoc S3LI03_061**

This was presented by Selvam Rengasami and addresses the question of Wireless LAN interworking with 3GPP. This was discussed and held until the WLAN architecture is stable.

5.1.7　MBMS – LI Requirements　　　　　　　　　**tdoc S3LI03_062**

This was presented by Selvam Rengasami and concerns multimedia multicast service and the impact on LI. Discussed and noted.

5.2 Contributions towards Release 6　33.107v.6.0.0

5.2.1 Requested QoS Parameter in IRI　　　　　　　**tdoc S3LI03_045**

Presented by Bernhard Spalt and concerns a new parameter. Noted as insufficient support from Industry.

5.2.2 Missing QoS Parameter in IRI　　　　　　　　**tdoc S3LI03_049**

Presented by Bernhard Spalt and drew attention to the missing parameter in IRI. This was approved and the ETSI Secretariat should amend Rel 6.

Action Point AP 03_06 Maurice Pope to amend Release 6 in accordance with tdoc S3LI03_049

5.2.3 Optional general purpose HI1 messages　　　　**tdoc S3LI03_055**
　　　　(PIDS)

This was withdrawn.

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6. TS 33.108 Rel. 5 and Rel. 6

6.1 Updates to Release 5　　　　　33108-v.5.3.0

6.1.1　Requested QoS Parameter in IRI　　　　　　**tdoc S3LI03_046**

This was presented by Bernhard Spalt and noted.

6.1.2　HI1 messages　　　　　　　　　　　　　　**tdoc S3LI03_056**

This was withdrawn.

6.2 Contributions towards Release 6　　　　33108-v.6.1.0

6.2.1　Correct Abbreviations in TS 33.108　　　　　**tdoc S3LI03_035**

Presented by Ron Ryan and remedies the inconsistencies of NWOs/APs/SvPs with other 3GPP specifications. 3GPP 21.905. There is ambiguity in the term AN and it was proposed to advise that we would use the term ANP.

Tdoc S3LI03_035r1 was re-presented by Ron Ryan. There was some difficulty with the definition of Access Network Provider so it was decided to delete the definition of Access Network (Provider) and leave it for further study. After further corrections the document was reissued as **Tdoc S3LI03_035r2.**

AP03_07 Chair to advise SA3 on the use of the term ANP in SA3LI

6.2.2 Inconsistency in Annex B.3   **tdoc S3LI03_036**

Presented by Manfred Beirer but replaced by **tdoc S3LI03_038**

6.2.3 Inconsistency in Annex B.3   **tdoc S3LI03_038**

Presented by Markus Lutz and accepted as **tdoc S3LI03_038r1.** This was later re-presented by Markus Lutz and after minor amendment was made **Tdoc S3LI03_038r2**

6.2.4 Syntax Error in Annex B.3   **tdoc S3LI03_037**

Presented by Manfred Beirer. This was accepted as essential correction to Rel 5 as a new document **tdoc S3LI03_076** and an amendment for Rel 6 as **tdoc S3LI03_037r1**.

6.2.5 Data Link Establishment and Sending part for ROSE operation **tdoc S3LI03_040**

Presented by Markus Lutz and arises from TC LI (their CR 042r2 TS 101 671 **tdoc S3LI03_59r1**), to remove a misunderstanding on ROSE operations. This clarifies the situation and was accepted with minor changes as **tdoc S3LI03_040r1**. This was later re-presented and approved as **Tdoc S3LI03_040r2.**

6.2.6 Correction on the usage of LI Identifiers   **tdoc S3LI03_041**

Presented by Maurizio Iovieno and identifies a misalignment with 33.106. This was accepted.

6.2.7 Delivery of Call Content to LEMF not using DSS1 access   **tdoc S3LI03_042**

Presented by Maurizio Iovieno and proposes to allow further option for the LEMF access. This was not accepted.

6.2.8 Subscriber controlled input clarification   **tdoc S3LI03_043**

Presented by Maurizio Iovieno and proposes to remove a restrictive sentence which was imported from TS 201 671 and refers to wireline networks. This was accepted.

6.2.9 Requested QoS Parameter in IRI   **tdoc S3LI03_047**

This was withdrawn.

6.2.10 S3LI03_005r2 Backward Compatibility to ETSI ES 201671 (TC LI) Response from ETSI TC LI meeting #2   **tdoc S3LI03_066**

This was presented by Marcus Lutz on behalf of Eric Meilleray who had made a comprehensive comparison of the differences between ES 201671 and 33.108.

CRs will be produced by Siemens, Alcatel and Ericsson.

7. Continued Discussion and New Business

7.1.1 Discussion paper on code of conduct   **tdoc S3LI03_068**

This was presented by Giorgi Gulbani and concerned that incursion on the WLAN at the TC LI meeting at Benalmadena in February.

The Chair tabled a form of words on behaviour by delegates. Separately there has been discussion at ETSI OCG. There is a security paper at www.brookson.com/gsm/howto.htm discussing security tips for PCs at meetings.

The FBI raised a related problem on the appearance in the Press of information concerning the LI activity especially the delegate list. Leopold Murhammer drew attention to the documents on www.futurezone.orf.at, which gave details of the current meeting.

AP03_08 Chair to work on code of conduct for meeting and circulate by e-mail

7.1.2 IRI for IMS   **tdoc S3LI03_070**

Presented by Antti Laurila who drew attention to the numerous categories of IMS IRI. He proposed that new fields be added to 33.108.

Concern was expressed that this requirement was not initiated by LE and the categories actually are addressed in 33.108 in generic terms. This was not accepted and the author will re-address the item.

7.1.3 IMS LI activation/deactivation   **tdoc S3LI03_071**

Presented by Antti Laurila who proposed alternative methods for activation/deactivation. Serious reservations were expressed on this proposal and it was noted.

7.1.4 TEL URL for IMS interception identity   **tdoc S3LI03_072**

Presented by Antti Laurila and is a proposed CR on 33.107 to add TEL URL to IMS interception identity. After substantial revision this was reissued as **tdoc S3LI03_072r1.** This was later re-presented and was accepted as **Tdoc S3LI03_072r2.**

7.1.5 Discussion paper on multiplexed media components **tdoc S3LI03_069**

This was withdrawn.

8. Review meeting output

tdoc S3LI03_073 LS to ETSI TC LI introduced by Giorgi Gulbani regarding the handover spec for IP delivery and whether it is possible to align the ETSI TC LI documents with 33.108. The Liaison concludes that this is not possible and propose an amendment to the ETSI draft to the effect that the ETSI LI specification does not override or supersede any 3GPP specification.

After considerable discussion this was reissued as **tdoc S3LI03_073r1.** Although Telcordia, FBI and PIDS were unhappy with the content the revision was approved.

tdoc S3LI03_074r1 is a CR to 33.108 submitted by Antti Laurila as the Field Separator is not specified unambiguously in clause J.2.3.2. A similar CR had been approved by ETSI TC LI 101 671. This was approved.

tdoc S3LI03_075 is a CR on 33.107 proposed by Bernhard Spalt and concerns stereo delivery to LEMF. This was approved.

tdoc S3LI03_076 is a CR on 33.108 and applies to Rel 5 and **tdoc S3LI03_037r1** is a CR on 33.108 and applies to Rel 6 and proposed by Manfred Beirer. These were approved

tdoc S3LI03_077 is a CR to 33.108 submitted by Antti Laurila. It was later re-submitted as **Tdoc S3LI03_077r1** but rejected and will be re-addressed at the next meeting.

9. Discuss September meeting agenda, work plan

Not done.

10. Review Action Points

see annex B

11. Other business

Meeting dates and venues for 2004. This will be discussed at the next meeting. Delegates are asked to consider venues.

12. Close of meeting

The Chair thanked Walter Marxt for the splendid social evening and thanked the European Friends of 3GPP for organising the meeting venue.

She announced that the next meeting will be hosted by US Friends of 3GPP.

She also said that Voting for second vice chair will take place at the next meeting. Potential candidates are Burkhart Kubbutat and Peter van der Arend. Any other service providers should make themselves known.

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 Maurice 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 September 16.

Annex A: List of attendees

	Name		Company	e-mail
Ms	Brye	Bonner	Motorola	Brye.bonner@motorola.com
Mr	Ken	Coon	FBI/Tridea Works	ken@trideaworks.com
Mr	Erwin	Forster	Deutsche Telekom AG	Erwin.foerster@t-systems.com
Mr	Adrian	Escott	3	Adrian.escott@three.co.uk
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	Walter	Marxt	BMVIT	Walter.marxt@bmvit.gov.at
Mr	Leopold	Murhammer	Siemens AG	Leopold.murhammer@siemens.com
Mr	Brad	Owen	Lucent	browen@lucent.com
Mr	Herbert	Paulis	Siemens AG	Herbert.paulis@siemens.com
Mr	Selvam	Rengasami	Telecordia	srengasa@telcordia.com
Mr	Ron	Ryan	Nortel Networks	rryan@nortelnetworks.com
Mr	Bernhard	Spalt	Siemens AG	Bernhard.spalt@siemens.com
Mr	Les	Szwajkowski	CALEA	lszwajkowski@askcalea.net
Mr	Rupert	Thorogood	Home Office	rupert.thorogood@homeoffice.gsi.gov.uk
Mr	Berthold	Wilhelm	Reg TP	Berthold.Wilhelm@regtp.de

Annex B: List of Action Items

AP02-23	Michael Schepers	to provide an input for the next meeting on the LI implications for AMR-WB	Open
AP02-29	Selvam Rengasami and Rhys Atkins	to investigate and report on SCUDIF for the next meeting.	Closed
AP02_32	Selvam Rengasami and others	to research other solutions to the dialled digit extraction question	Closed
AP03_01	Koen Jaspers	Contribution on alarm and information messages	Closed
AP03_02	Ron Ryan	To amend abbreviations for NOs ANs and APs in R6.	Closed
AP03_03	Giorgi Gulbani	write a LS to TC LI in response to tdoc 058 as tdoc 073	
AP03_04	Chair	to write to TC LI regarding joint meeting	
AP03_05	Maurice Pope	To amend Release 6 in accordance with S3LI03_04	
AP03_06	Maurice Pope	to amend Release 6 in accordance with tdoc S3LI03_049	
AP03_07	Chair	advise SA3 on the use of the term ANP in SA3LI	
AP03_08	Chair	to work on code of conduct for meeting and circulate by e-mail	

Annex C: List of Contributions

TD # S3LI03_	Title	Source	Meeting	Doc for	Comments	Status
31	Draft Meeting report from Paris	Secretariat	2003-02	Approval	R1	approved
35	Correct Abbreviations in TS 33.108	Nortel	2003-05	Approval	R2	approved
36	Inconsistency in Annex B.3	Reg TP	2003-05	Approval	See #38	withdrawn
37	Syntax Error in Annex B.3	Reg TP	2003-05	Approval	R1	approved
38	Inconsistency in Annex B.3	Alcatel SA	2003-05	Approval	R2	approved
39	Addition of MSISDN to GTP Forward Request message	Nortel	2003-05	Approval		noted
40	Data Link Establishment and Sending part for ROSE operation	Alcatel SA	2003-05	Approval	R2	approved
41	Correction on the usage of LI Identifiers	ricsson	2003-05	Approval	R1	approved
42	Delivery of Call Content to LEMF not using DSS1 access	Ericsson	2003-05	Approval		not accepted
43	Subscriber controlled input clarification	Ericsson	2003-05	Approval		approved

TD # S3LI03_	Title	Source	Meeting	Doc for	Comments	Status
44	Requested QoS Parameter in IRI	Siemens AG	2003-05	Approval		withdrawn
45	Requested QoS Parameter in IRI	Siemens AG	2003-05	Approval		withdrawn
46	Requested QoS Parameter in IRI	Siemens AG	2003-05	Approval		withdrawn
47	Requested QoS Parameter in IRI	Siemens AG	2003-05	Approval		withdrawn
48	Missing QoS Parameter in IRI	Siemens AG	2003-05	Approval	R1	approved
49	Missing QoS Parameter in IRI	Siemens AG	2003-05	Approval	R1	approved
50	References	Siemens AG	2003-05	Approval		withdrawn
51	References	Siemens AG	2003-05	Approval	R1	approved
52	T1P1.5	Liaison officer	2003-05	Discussion		Discussed
53	SA WG3 reports (February and May)	Liaison officer	2003-05	Discussion		Discussed
54	Optional general purpose HI1 messages	PIDS	2003-05	Approval	discussed	withdrawn
55	Optional general purpose HI1 messages	PIDS	2003-05	Approval		withdrawn
56	HI1 messages	PIDS	2003-05	Approval		withdrawn
57	ETSI TC LI	Liaison officer	2003-05	Discussion		discussed
58	ETSI TC LI (02TD059)	Liaison officer	2003-05	Discussion		noted
59	CR 042r2 TS 101 671	ETSI TC-LI	2003-05	Approval	R1	discussed
60	IMS-Dialled Digit Extraction	Telcordia/FBI	2003-05	Discussion		discussed
61	WLAN-3GPP Interworking – LI Requirements	Telcordia/FBI	2003-05	Discussion		discussed
62	MBMS – LI Requirements	Telcordia/FBI	2003-05	Discussion		discussed
63	Agenda	Chair	2003-05	Approval	R1	approved
64	withdrawn		2003-05			
65	TR-45 LAES (March/April)	Liaison officer	2003-05	Discussion		discussed
66	S3LI03_005r2 Backward Compatibility to ETSI ES 201671 (TC LI) Response from ETSI TC LI meeting #2	Liaison officer	2003-05	Discussion		for further study

TD # S3LI03_	Title	Source	Meeting	Doc for	Comments	Status
67	withdrawn		2003-05			
68	Discussion paper on code of conduct	ETSI Liaison Officer	2003-05	Discussion	Code of Conduct to be drafted	Sept. meeting
69	Multiplexed Media Components	Nokia	2003-05	Discussion		withdrawn
70	IRI for IMS	Nokia	2003-05	Discussion		not accepted
71	IMS LI activation/deactivation	Nokia	2003-05	Discussion		not accepted
72	TEL URL for IMS interception identity	Nokia	2003-05	Approval	R2	approved
73	Liaison to ETSI TC LI	Nokia	2003-05	Approval	R1	approved
74	CR for 33.108r6.1.0 Field Separator in Sub-Address	Nokia	2003-05	Approval	R1	approved
75	Stereo Delivery to LEMF	Siemens	2003-05	Approval		approved
76	Syntax Error in Annex B.3	Reg TP	2003-05	Approval		approved
77	HI3 Delivery of CC	Nokia	2003-05	Approval	R1	Sept. meeting
78	Draft Meeting Report from Vienna	Secretariat	2003-05	Approval		
79	31r1 Approved Meeting Report from Paris	Secretariat	2003-05	Approval		approved

Annex D: List of Change Requests

TD # S3LI03	Title
35r2	CR for 33.108r6.1.0 Correct Abbreviations in TS 33.108
37r1	CR for TS 33.108r6.1.0 Syntax Error in Annex B.3
38r2	CR for 33.108r6.1.0 Inconsistency in Annex B.3
40r2	CR for 33.108r6.1.0 Data Link Establishment and Sending part for ROSE operation
41r1	CR for 33. Correction on the Usage of LI Identifiers
43	CR for 33.108r6.1.0 Subscriber controlled input clarification
48r1	CR for 33.107r6 Missing QoS Parameter in IRI
49R1	CR for 33.107r5 Missing Qos Parameter in IRI
51r1	CR for 33.106r6.0.0 References
72r2	Changes to TS 33.107r6.0.0 TEL URL for IMS interception identity
74r1	CR for 33.108r6.1.0 Field Separator in Sub-Address
75	CR for 33. Stereo Delivery to LEMF
76	CR for 33.108r5.3.0 Syntax Error in Annex B.3

Annex E: List of Liaison Statements

TD # S3LI03	Title
73	LS to ETSI TC LI

Annex F: List of Related Specifications

SMG10-WPD spécifications: rapporteur

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

2003 meeting dates and venues

Please note September meeting will run from Monday – Wednesday

22-24 September, US, hosted by Friends of 3GPP
18-20 November, London, hosted by Department of Trade and Industry