<u>Approved by General Counsel</u>

TR-45 Meeting Report
Date: 09/03/03
Location: Vancouver, BC, Canada

Approved: 10/22/03
T# 7556

Telecommunications Industry Association
TR45 Committee
Mobile & Personal Communications Standards (TR45)
Report of Meeting
September 3, 2003
The Fairmont Waterfront, Vancouver, BC, Canada

Quorum List, Members Present

Member	Representative	Attendance	
		Last	**Prior**
1. Alltel	D. Gentzler		X
2. Alps Electric	R. Miyano		X
3. AT&T Wireless Services	P. Musgrove	X	X
4. CommFlow Resources	G. Pellegrino	X	X
5. Ericsson	J. Ragsdale	X	X
6. InterDigital Communications, Corp.	B. Kiernan		X
7. Lucent Technologies, Inc.	C.Blum	X	X
8. Motorola, Inc.	J. Kay	X	X
9. Nokia Mobile Phones	T. Brooks	X	X
10. QualComm	F. Quick	X	X
11. Rogers Wireless, Inc.	P. Oldfield		X
12. Toshiba	S. Sheldon		X
13. Verizon Wireless	G. Flynn	X	X

Quorum List, Members Absent

[Note: This table identifies the member companies not present at this meeting. Of these member companies, the ones who also have not attended the last two meetings (no "X" in either the "Last" or "Prior" column) will be dropped from the quorum list for the next meeting.]

Member	Representative	Attendance	
		Last	**Prior**
1. CDMA Development Group	S. Samra		X
2. Cisco Systems	P. Yegani	X	X
3. Nortel Networks	G. Patel	X	X
4. Sprint	D. Baldwin	X	X

Others Present

Member	Representative
1. ATIS	E. Hall
2. Lucent Technologies, Inc.	J. Alphonse
3. Lucent Technologies, Inc.	J. Brownley
4. Lucent Technologies, Inc.	P. Nurse
5. Lucent Technologies, Inc.	F. O'Brien
6. Motorola	B. Bonner
7. TIA	B. Belt

8.	TIA	J. Derr
9.	TIA	S. Hoyler

[Note: The number/letters associated with the sections/paragraphs are related to the agenda item number/letter and the order in which they were addressed during the meeting.]

1. The TR45 Committee was convened on September 3, 2003, at the Fairmont Waterfront Hotel, Vancouver, BC, Canada, at 08:25 AM local time.
   - C.Blum/Chair TR45 called the meeting to order and welcomed the TR45 membership to Vancouver.

2. Meeting attendance was recorded as indicated by the above list and quorum was established.

3. The attached meeting agenda was reviewed and approved as amended.

4. Regarding the Early Disclosure Policy, the Chair duly informed the meeting attendees. There were no comments from the meeting attendees.

5. Relative to contributions, the following documents were numbered and assigned accordingly.

Number	Title	Source	Agenda Item
TR45/03.09.03.01R1	Meeting Agenda	C. Blum Chair TR45	3
TR45/03.09.03.02	TR-45 Meeting Report of March 5, 2003	J. Brownley Secretary	6
TR45/03.09.03.03	TR-45 Committee Correspondence	J. Brownley Secretary	7
TR45/03.09.03.04	Report of TIA Subcommittee TR45.1 to TIA Committee TR45	J. Kay Chair TR45.1	8a, 13b
TR45/03.09.03.05	Subcommittee TR45.2 Report	C.Ishman Chair TR45.2	8b, 10c, 13b
TR45/03.09.03.06	Report of TR45.3 to TR45	P. Musgrove Chair TR45.3	8c, 13b
TR45/03.09.03.07	Not Used		
TR45/03.09.03.08	TR45.5 Report	J. Alphonse Chair TR45.5	8e, 13b
TR45/03.09.03.09	TR45.6 Report to TR45	P.Yegani Chair TR45.6	8f, 13b
TR45/03.09.03.10	AHAG Report	C. Carroll Chair AHAG	8g
TR45/03.09.03.11	AHG on UIM/ESN Report	C. Carroll Chair AHG on UIM/ESN	8i
TR45/03.09.03.12	ESN Administrator's Report	*B.Belt* ESN Administrator	8i
TR45/03.09.03.13	AHG on LAES Report	T.Brooks Chair AHG on LAES	8j
TR45/03.09.03.14	TR-45 Network Architecture Ad-Hoc Group (NAG) Report	C.Ishman Chair NAG	8k
TR45/03.09.03.15	Not Used		

TR45/03.09.03.16	ITU-T Liaison Report	D.Thompson ITU-T Liaison	11b
TR45/03.09.03.17	Not Used		
TR45/03.09.03.18	Not Used		
TR45/03.09.03.19	WCD Report	B.Belt TIA WCD Liaison	11e
TR45/03.09.03.20	WCD TRIC Report	B.Belt TIA WCD Liaison	11f
TR45/03.09.03.21	TIA Standards Department Report	S. Hoyler TIA Liaison	11g
TR45/03.09.03.22	3GPP2 Liaison Report	G. Flynn 3GPP2 Liaison	11h
TR45/03.09.03.23	Not Used		
TR45/03.09.03.24	Not Used		
TR45/03.09.03.25	TR45 Committee Correspondence Re: Liaison Statement on Status of ITU-T Draft Rec. Q.SNFB	J.Brownley Secretary	10a
TR45/03.09.03.26	TR45 Committee Correspondence Re: Request to SDOs for Q.1742.3 Publication Status	J.Brownley Secretary	10b
TR45/03.09.03.27	TR45 Committee Correspondence Re: J-STD-025 Series of Documents	J.Brownley Secretary	8j
TR45/03.09.03.28	TR45 Committee Correspondence Re: HNI Assignments	J.Brownley Secretary	9g
TR45/03.09.03.29	TR45 Committee Correspondence Re: J-STD-036-A-E2 Interface	J.Brownley Secretary	8b
TR45/03.09.03.30	TR45 Committee Correspondence Re: ITU-R WP 8F Recommendation M.1457	J.Brownley Secretary	8c
TR45/03.09.03.31	TR45 Committee Correspondence Re: Clarification of JIP for Wireless Number Portability (WNP)	J.Brownley Secretary	10c
TR45/03.09.03.32	TR45 Committee Correspondence Re: MEID and pseudo-ESN Derivation	J.Brownley Secretary	9b
TR45/03.09.03.33	TR45 Committee Correspondence Re: WNP / Wireless Numbering Resources	J.Brownley Secretary	8b
TR45/03.09.03.34	TR45 Committee Correspondence Re: Work Related to LAES	J.Brownley Secretary	8j
TR45/03.09.03.35	TR45 Committee Correspondence Re: TIA TC - Technical Priorities	J.Brownley Secretary	11g
TR45/03.09.03.36	TR45 Committee Correspondence Re: TIA WCD – Globalization of Standards Settings	J.Brownley Secretary	11e
TR45/03.09.03.37	TR45 Committee Correspondence Re: SID Administrator	J.Brownley Secretary	9h
TR45/03.09.03.38	Ballot of PN-4465-RV1 (J-STD-025-B) and New Projects	T.Brooks Chair AHG on LAES	8j
TR45/03.09.03.39	Draft Letter to ESTS	T.Brooks Chair AHG on LAES	8j

TR45/03.09.03.40	TR45 Committee Correspondence Re: New LAES Projects	C.Blum Chair	8j
TR45/03.03.05.20R1	Cellular TDD in TIA	E.Jacks LinkAir	9f
TR45/03.08.15.03	TIA OID Administration Guidelines	G.Pellegrino V-Chair LAES AHG	9a
TR45/03.06.05.48	TR45 Committee 2004 Meeting Schedule	J.Brownley Secretary	13c

6. The meeting report of June 5, 2003 numbered TR45/03.09.03.02 was reviewed. A motion was made and passed with no objections to approve the meeting report, as amended, as follows.
   - "service system" should be "serving system" in page 5, Section 8j.

7. In terms of correspondence, the following item was addressed:

   - **Document .03** - This correspondence was provided for information.

8. The following Subcommittee and Ad-Hoc Group reports were provided:

   a. **TR45.1 Subcommittee** – J.Kay presented Document .04 as the written report. It was reported that the TR45.1 Chair and Vice-Chair elections would be held during the TR45.1 meeting in October 2003.

   b. **TR45.2 Subcommittee –** On behalf of C.Ishman, J.Kay provided Document .05 as the written report. Concern was raised regarding the schedule push-out for the wireless priority service document. It was stressed that it is prudent to pull-up the schedule in light of recent national security related events. Follow-up was encouraged regarding TIA-868 and J-STD-038 that are awaiting action from T1P1. It was noted that TR45.2 recommended sending a response to the ATIS OBF Billing Committee on Jurisdiction Information Parameter (JIP) as provided in Document .05a. Discussion of Document .05a was deferred until agenda item 10c. Documents .29 and .33 were provided for information.

   c. **TR45.3 Subcommittee** – P.Musgrove provided Document .06 as the written report. P.Musgrove of AT&T Wireless Services was congratulated on election as the new TR45.3 Chair. It was reported that S.Willhoff of Nokia was elected as the TR45.3 Vice-Chair. TR45.3 presented a certificate of recognition to Peter Nurse for his outstanding service over the years as the Chair of TR45.3. Document .30 was provided for information.

   d. **TR45.4 Subcommittee** – D.Baldwin was not present. There was no report.

   e. **TR45.5 Subcommittee** – J.Alphonse provided Document .08 as the written report. It was reported that Jean Alphonse of Lucent was elected TR45.5 Chair and Purva Rajkotia of Samsung was elected TR45.5 Vice-Chair, both by acclamation at the August 2003 meeting of TR45.5. Relative to M.1457, TIA was encouraged to forward the letters of conveyance related to both TR45.5 and TR45.3 to WP8F by September 24, 2003 to unsure that the ITU-R deadline is met.

   f. **TR45.6 Subcommittee** – On behalf of P.Yegani, P.Nurse presented Document .09 as the written report. It was reported that revision C of TIA-835, the Wireless IP Packet Data Standard, was approved for publication. The need for guidelines to incorporate the cdma2000® trademark in the standard prior to publication was noted as an outstanding issue. At its meeting in July 2003, TR45.6 elected Peter Nurse of Lucent Technologies as Vice-Chair.

g. **Ad Hoc Authentication Group (AHAG)** – C.Carroll provided Document .10 as the written report. Regarding the corrected example of pseudo-ESN derivation from MEID, Document .10 was remanded to the UIM/ESN AHG and all Subcommittees (except TR45.1). It was noted that security standards originating from 3GPP2 to the AHAG for review and/or adoption should be send directly from the 3GPP2 Secretariat to the TR45 AHAG. TR45 agreed to contact the 3GPP2 Secretariat with this recommendation and to confirm the process.

h. **AHG on Electronic Media Documentation** – Peter Nurse was appointed as the Chair of the AHG on Electronic Media Documentation replacing S.Hoyler who previously held the position. P.Nurse provided a brief verbal report. It was noted that an AHG e-mail reflector would be established. And, all were encouraged to participate in an e-mail discussion on what work the AHG should be doing going forward.

i. **AHG on UIM/ESN** – On behalf of C.Carroll, G.Pellegrino presented Document .11 as the written report. The AHG on UIM/ESN plans to forward Document .11 to D.Bart for TIA review and comment on the attached proposed letters related to ESN code re-use and ESN code use as UIM IDs. The final version of the proposed letter as selected by the AHG on UIM/ESN will be distributed via the TR45 exploder for review and comment.

    *   **ESN Administration** – B.Belt presented Document .12 as the written report. It was reported that the projected exhaust date is 1Q05. Minor changes to the ESN Guidelines were recommended and would be incorporated by the Editor.

The Committee recessed for a break at 10:35 AM and reconvened at 11:05 AM.

j. **AHG on LAES** – T.Brooks provided Document .13 with attachments 13a and 13b as the written report. Documents .38, .39, and .40 were provided for information and actions as appropriate. It was reported that PN-4465-RV1 (J-STD-025 Revision B) was out for ballot by TIA as well as T1. Document .40 was remanded to the AHG on LAES to draft a response directly back to Committee T1 to provide clarification on the new projects. It was noted that the response might propose updates to the scope of the new projects. TR45 supports going forward with these two new projects with TR45 as lead. It was re-iterated that TR45 supports the existing TIA/T1 joint standards development agreements as established in 1994. Furthermore, TR45 looks forward to continued leadership discussions with Committee T1 on joint standards development. It was agreed without objection to pursue IMS/MMD work in Revision C of J-STD-025 work of the LAES AHG. Document .13, as it relates to IMS/MMD work, was remanded to TR45.2 and TR45.6 to request that their experts participate on this work in the LAES AHG. Furthermore, it was recommended to move the d-interface work to the LAES AHG. TR45.6 was asked to provide objections, if any, on the recommendation to move d-interface work to the LAES AHG soon after its meeting in September 2003. TR45 approved without objection the letter in Document .39 as a response to the ESTS letter to LAES. TR45 to forward the letter to TIA to use as the basis in the formulation of the response to ESTS. In addition, it was suggested that TIA share as appropriate with the Committee T1 Secretariat for legal considerations and for consideration as a joint response to ESTS. It was agreed that TR45 would forward the final TIA letter to ESTS as soon as possible, prior to ballot comment resolution was suggested. Regarding the correspondence in Document .38, it was agreed that the LAES AHG would forwarded as amended. Documents .27 and .34 were provided for information. ATIS agreed to obtain a copy of the TIA/T1 joint standards development agreement letter and provide a copy to TR45.

k. **TR45 Network Architecture Group (NAG)** – On behalf of C.Ishman, J.Kay presented Document .14. It was agreed that the ballot version of PN-3-0122 in Document .14d would go forward for a 30-day limited default ballot as a TSB (TSB-151.)

l. **TR45 Standards Development Program Report** – A volunteer is still needed to serve as the TR45 Program Manager.

The Committee recessed for lunch at 12:10 PM and reconvened at 1:30 PM.

9.   Regarding the continuation of old business, the following items were addressed:

    a.   **Review of Draft OID Administration Guidelines** – Document TR45/03.08.15.03 was provided. TR45 has adopted the OID Administration Guidelines in Document TR45/03.08.15.03a. It was agreed that TR45 would forward the (OID) Guidelines to TIA for comments, if any. It was reported that TIA appointed S.Hoyler as the OID Administrator. G.Pellegrino was appointed as the Editor of the OID Administration Guidelines pending TIA confirmation of TR45 as the editor for publication. For tracking purposes, it was suggested that a TIA Project Number be secured. TIA Staff agreed to investigate securing a Project Number for the OID Administration Guidelines, if needed.

    b.   **Pseudo-ESN Derivation** – Document .10 as it relates to the corrected example of a pseudo ESN from MEID was noted. Document .32 was provided for information.

    c.   **TR45 Vice-Chair Election** – Document .03 was re-introduced as it relates to the TR45 Vice-Chair letter of nomination from Verizon Wireless. There were no additional nominations from the floor. Thus, Gerry Flynn of Verizon Wireless was elected by acclamation as the Vice-Chair of TR45.

    d.   **Confirmation of Subcommittee Leadership Elections** – Several Subcommittee leadership election results were reported as follows.

Group	Position	Name	Company	Date
Committee TR45	Vice-Chair	Gerry Flynn	Verizon Wireless	09-2003
Subcommittee TR45.1	Chair	(tbd)	(tbd)	10-2003
Subcommittee TR45.3	Chair	Peter Musgrove	AT&T Wireless	08-2003
Subcommittee TR45.3	Vice-Chair	Steve Willholf	Nokia	08-2003
Subcommittee TR45.5	Chair	Jean Alphonse	Lucent Technologies	08-2003
Subcommittee TR45.5	Vice-Chair	Purva Rajkotia	Samsung	08-2003
Subcommittee TR45.6	Vice-Chair	Peter Nurse	Lucent Technologies	07-2003

    e.   **Ballots of TSB-68 and TSB-84A** – It was noted that ballot authorization forms to withdraw TSB-68 and TSB-84-A as agreed to at the previous TR45 meeting would be submitted by TR45.

    f.   **Cellular TDD in TIA** – TR45/03.09.03.20R1 was carried-forward for reference. In light of the fact that no further input or comments were provided on this item, it was agreed to drop this items from the agenda until such time as further input is provided.

    g.   **HNI Assignment Coordination** – Document .28 was provided for information.

    h.   **SID Administration** – Document .37 was provided for information.

10.   Relative to new business, the following items were addressed:

    a.   **ITU-T SSG Draft Recommendation Q.SNFB** – Document .25 was provided to take action as recommended. Document .25 was remanded to the AHAG and all Subcommittees (except for TR45.1) for review and to provide comments directly to the ITU-T SSG (and copy-to TR45) prior to the November 1, 2003 deadline.

b. **ITU-T SSG Request to SDOs for Q.1742.3 Publication Status** – Document .26 was provided to take action as recommended. Document .26 was forwarded to TIA to assist in providing the requested document numbers and to provide cross-reference document numbers to TR45. In addition, Document .26 was remanded to TR45.2 and TR45.6 to provided cross-reference document numbers to TR45 by the end of October 2003. The AHAG indicated that its corresponding document number was TIA-945.

c. **Clarification of JIP for Wireless Number Portability** – Documents .31 and .05a were provided. TR45 agreed to forward the correspondence as amended contained in Document .05aR2 to the ATIS OBF Billing Committee.

d. **ANSI C.63** – Documents .21a and .21b were provided for reference information. As it as relates to the TR45 air interfaces, TIA suggested that TR45 might want to establish a Liaison with ANSI C.63 as its standard evolves. Documents .21a and .21b were remanded to TR45.1, TR45.3, and TR45.5 to review and provide initial concerns to TR45 before the end of October 2003. This item is related to the FCC Hearing Aid Compatibility (HAC) initiatives. It was mentioned that ATIS has an HAC incubator activity underway. ATIS agreed to provide a list of the HAC incubator participants to TR45.

11. In terms of Liaisons, the following was reported:

   a. **CTIA** – There was no report.

   b. **ITU-T** – On behalf of D.Thompson, C.Blum presented Document .16 as the written report for information.

   c. **ITU-R** – There was no report.

   d. **CITEL** – There was no report.

   e. **Wireless Communications Division (WCD)** – B.Belt presented Document .19 as the written report. It was noted that the WCD would meet on Thursday, September 4 at 7:30 AM local time at the same meeting hotel in Vancouver. The TR45 input to the WCD comments on the Globalization of Standards Setting was provided in Document .36 and .36a for information.

   f. **Technical Regulatory Issues Committee (TRIC)** – B.Belt presented Document .20 as the written report.

   g. **TIA** – S.Hoyler provided Document .21 as the written report. Document .35 was provided for information.

   h. **3GPP2** – G.Flynn provided Document .22 as the written report for information.

   i. **3GPP** – P.Musgrove provided a brief verbal report.

   j. **ATIS** – E.Hall provided a verbal report. It was noted that organizations that participate in ATIS committees will be required to pay ATIS membership fees going forward.

11. In review of assignments, a summary of the assignments are as follows:

   1. TIA was encouraged to forward the letters of conveyance relative to M.1457 associated with both TR45.5 and TR45.3 to WP8F by September 24, 2003 to ensure that the ITU-R deadline is met.
   2. Document .10 was remanded to the UIM/ESN AHG and all Subcommittees (except TR45.1) as it relates to the corrected example of pseudo-ESN derivation from MEID.
   3. TIA to establish an e-mail reflector for the AHG on Electronic Media Documentation. And, all were encouraged to participate in an e-mail discussion on what work the AHG should be doing going forward.

4. The AHG on UIM/ESN to forward Document .11 to D.Bart for TIA review and comment on the attached proposed letters related to ESN code re-use and ESN code use as UIM IDs. The final version of the proposed letter as selected by the AHG on UIM/ESN will be distributed via the TR45 exploder for review and comments.
5. Minor changes to the ESN Guidelines were recommended and would be incorporated by the Editor.
6. Document .40 was remanded to the AHG on LAES to draft a response directly back to Committee T1 to provide clarification on the new projects.
7. Document .13, as it relates to IMS/MMD work, was remanded to TR45.2 and TR45.6 to request that their experts participate on this work in the LAES AHG. Furthermore, it was recommended to move the d-interface work to the LAES AHG. TR45.6 was asked to provide any objections on the recommendation to move d-interface work to the LAES AHG soon after its meeting in September 2003.
8. Regarding the letter in Document .39, TR45 to forward the letter to TIA to use as the basis in the formulation of the response to ESTS. It was agreed that TR45 would forward the final TIA letter to ESTS as soon as possible.
9. Regarding the correspondence in Document .38, it was agreed that the LAES AHG would forward as amended.
10. It was agreed that the ballot version of PN-3-0122 in Document .14d would be forwarded to TIA by the NAG for a 30-day limited default ballot as a TSB (TSB-151.)
11. It was agreed that TR45 would forward the (OID) Guidelines to TIA for comments, if any.
12. TIA Staff agreed to investigate whether there is the need to secure a Project Number for the OID Administration Guidelines.
13. It was noted that ballot authorization forms to withdraw TSB-68 and TSB-84-A (as agreed to at the previous TR45 meeting) would be submitted by TR45.
14. Document .25 was remanded to the AHAG and all Subcommittees (except for TR45.1) for review and to provide comments directly to the ITU-T SSG (and copy-to TR45) prior to the November 1, 2003 deadline.
15. Document .26 was forwarded to TIA to assist in providing the requested document numbers and to provide cross-reference document numbers to TR45. In addition, Document .26 was remanded to TR45.2 and TR45.6 to provided cross-reference document numbers to TR45 by the end of October 2003.
16. TR45 agreed to forward the correspondence as amended contained in Document .05aR2 to the ATIS OBF Billing Committee.
17. Documents .21a and .21b were remanded to TR45.1, TR45.3, and TR45.5 to review and provide initial concerns to TR45 before the end of October 2003.
18. ATIS agreed to provide a list of the Hearing Aid Compatibility (HAC) incubator participants to TR45.

12. Review Meeting Schedules

   a. **TR45 2003 Schedule** – The next Committee TR45 meeting will be held on December 3-4, 2003 in Texas. The meeting would be scheduled to convene at 1:00 PM local time on Wednesday and adjourn at Noon on Thursday.

   b. **Subcommittees and AHG 2003 Schedules** - Documents .04, .05, .06, .08, and .09 were provided for information.

   c. **TR45 2004 Schedule –** Document TR45/03.06.05.48 was provided for information.

15. Open Discussion

16. Having concluded the meeting's deliberations, a motion was made to adjourn. The meeting was conducted in accordance with the TIA Engineering Manual and was adjourned at approximately 4:45 PM local time September 3, 2003.

Cheryl J. Blum
Chair
Engineering Committee TR45

Jane C. Brownley
Secretary
Engineering Committee TR45