



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-45 Meeting Report

Date: 11/30/06-12/01/06

Location: Maui, HI

Approved: 02/01/07

T# 10436

**Telecommunications Industry Association
TR-45 Committee
Mobile & Personal Communications Standards (TR-45)
Report of Meeting
November 30 – December 01, 2006
Grand Wailea Hotel, HI, USA**

Quorum List, Members Present

Member	Representative	Attendance	
		Last	Prior
1. Alltel	D. Gentzler		X
2. Cingular Wireless	P. Musgrove		X
3. CommFlow Resources	J. Pellegrino	X	X
4. Ericsson	J. Ragsdale	X	
5. FBI (CIU)	J. Trakinat	X	X
6. InterDigital Communications, Corp.	S. Dick		X
7. Lucent Technologies, Inc.	C. Blum	X	X
8. Motorola, Inc.	L. Milton		X
9. Nokia Mobile Phones	W. Tamminen	X	
10. Nortel Networks	G. Patel		X
11. Qualcomm	F. Quick	X	X
12. Sprint Nextel	G. Turnipseed	X	X
13. Toshiba	J. Madrid		X
14. Verizon Wireless	G. Pellegrino	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. Cisco Systems	V. Vojislav	X	X
2. LG Infocomm	S. Kwon	X	
3. Rogers Wireless	P. Oldfield		
4. TelcomXChange International (TXI)	E. Hall		X

Others Present

Member	Representative
1. Lucent Technologies, Inc.	J. Brownley
2. Sprint Nextel	B. Hirschman
3. Sprint Nextel	D. Prochaska
4. TIA	H. Cuschieri
5. TR-45.5 Chair	J. Alphonse

[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 TR-45 Committee was convened on November 30, 2006, at the Grand Wailea Hotel on Maui in HI, USA., at 1:00 PM local time.
 - C.Blum/Chair TR-45 called the meeting to order and welcomed the TR-45 membership to Hawaii.
2. The Chair duly informed the meeting attendees of the Important Notice of Participation provided on the meeting agenda.
3. Meeting attendance was recorded as indicated by the above list and quorum was established.
4. The attached meeting agenda was reviewed and approved as amended.
5. Regarding the early disclosure patent policy,
The Chair duly informed the meeting attendees of the TIA Patent Policy per note 4 on the meeting agenda. There were no comments from the meeting attendees regarding the early disclosure of patents.
6. Relative to contributions and submissions, the following documents were numbered and assigned accordingly. Everyone was strongly encouraged to upload contributions to the TIA ftpsite prior to the meeting.

Number	Title	Source	Agenda Item
TR45/06.11.30.00R2	Submission & Contribution Assignment List	J.Brownley Secretary	6
TR45/06.11.30.01R2	Meeting Agenda	C.Blum Chair TR45	4
TR45/06.11.30.02	TR-45 Meeting Report of 6-7 September 2006	J.Brownley Secretary	7
TR45/06.11.30.03	TR-45 Meeting Report of 14 November 2006	J.Brownley Secretary	7
TR45/06.11.30.04R1	TR-45 Committee 2007 Meeting Schedule	J.Brownley Secretary	13a
TR45/06.11.30.05R1	Subcommittee TR-45.2 Report	L. Milton Chair TR-45.2	9a, 13b
TR45/06.11.30.06	Report of TR-45.3 to TR-45	P. Musgrove Chair TR-45.3	9b, 13b
TR45/06.11.30.07	TR-45.4 Report	G. Turnipseed Chair TR-45.4	9c, 13b
TR45/06.11.30.08	TR-45.5 Report	J. Alphonse Chair TR-45.5	9d, 13b
TR45/06.11.30.09	TR-45.6 Report to TR-45	B.Hirschman Chair TR-45.6	9e, 13b
TR45/06.11.30.10/a/br1	AHAG Report	F. Quick Chair AHAG	9f
TR45/06.11.30.11/a	AHG on ESN/UIM/MEID Report	G. Pellegrino, Chair AHG on ESN/UIM/MEID	9h
TR45/06.11.30.12	ESN Administrator's Report	J.Derr ESN Administrator	9h
TR45/06.11.30.13	MEID Administrator's Report	A. Dryden MEID Administrator	9h
TR45/06.11.30.14	Correspondence from TIA Re: FCC CMSA Advisory Committee	B. Belt TIA	11c
TR45/06.11.30.15	TR-45 Standards Program Report	J. Alphonse TR-45 Program Mgr	9i
TR45/06.11.30.16	J-STD-025-B Second Addendum Report	G. Pellegrino, Editor	9j

TR45/06.11.30.17	Correspondence from 3GPP2 TSG-S Re: TIA Ballot Comments S.S0055, S.S0078	N. Yamasaki Chair 3GPP2 TSG-S	9f
TR45/06.11.30.18	Correspondence to 3GPP2 TSG-S Re: TIA TR-45 comments on V&V of S.S0055-A v4.0 and S.S0078-A v4.0	C. Blum TR-45 Chair	9f
TR45/06.11.30.19	Correspondence from TXI Re: Reelection Waiver	J. Brownley TR-45 Secretary	8
TR45/06.11.30.20	ATIS and TIA General Principles in Sponsorship of Joint Standards Activities	H. Cuschieri TIA Liaison	10a
TR45/06.11.30.21	< number not used >		
TR45/06.11.30.22	IFAST Liaison Report	E. Hall IFAST Liaison	12j
TR45/06.11.30.23	< number not used >		
TR45/06.11.30.24	Correspondence to CDG Re: MEID Implementation	C. Blum Chair	9h
TR45/06.11.30.25	Proposed Revisions to ANSI Patent Policy	H. Cuschieri TIA Liaison	12f
TR45/06.11.30.26	TIA and ATIS Press Releases Re: LAES Standards	C. Blum Chair	9j
TR45/06.11.30.27	Correspondence to 3GPP2 TSG-S Re: TIA Ballot Comments S.S0055, S.S0078	C. Blum Chair	9f
TR45/06.11.30.28	Correspondence from TIA Re: TIA Emerging Technologies Areas Focus Group	H. Cuschieri TIA Liaison	11a
TR45/06.11.30.29	Correspondence from ITU-R Re: IP Applications over Mobile Systems	C.Langtry ITU-R SG 8	11b

7. The meeting report of September 6-7, 2006 numbered TR45/06.09.06.02 was reviewed. A motion was made and passed with no objections to approve the report as provided. In addition, the meeting report of November 14, 2006 numbered TR45/06.09.06.03 was reviewed. A motion was made and passed with no objections to approve the report as provided.

8. Committee TR-45 Chair Election

H. Cuschieri of TIA drew to the attention of the membership the TIA Election Procedures in Section 4 of the TIA Engineering Manual. It was reported that no candidates were nominated 30-days in advance of the meeting. It also was noted that a call for nominations from the floor at the meeting resulted in no nominations. The current Chair of Committee TR-45, Cheryl J. Blum of Lucent Technologies, expressed willingness and provided a letter of employer support to continue serving as Chair of Committee TR-45. Since 75% of the organizations in good standing listed on the meeting quorum list were not available at the time to obtain a waiver of the two consecutive terms limit, it was decided to defer the election until later on the meeting agenda.

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

- a. **TR-45.2 Subcommittee** – L.Milton provided Document .05R1 as the written report. Regarding the TIA agreement to establish a web site location for the SS7 TT and SSN assignments, H.Cuschieri of TIA agreed to work with L.Milton and G.Pellegrino to address the establishment of the web site location. Per TR-45 direction, it was agreed that TR-45.2 would be the focal point for receiving documents from the TIA NGN Focus Group, however TR-45 would coordinate any responses. Finally, TR-45.2 agreed to work with TIA staff to replicate and resolve the document numbering problem with the PDF formatted TIA copy of TR-45.2 documents.
- b. **TR-45.3 Subcommittee** – P.Musgrove provided Document .06 as the written report. It was noted that TR-45.3, jointly with WTSC, would provide a submission for the TDMA-SC update to ITU-R M.1457-7

by the May 14, 2007 deadline. TR-45.3 / WTSC also intends to provide an update for M.1457-8 per the WP8F accelerated schedule.

- c. **TR-45.4 Subcommittee** – G.Turnipseed provided Document .07 as the written report.
- d. **TR-45.5 Subcommittee** – J.Alphonse provided Document .08 as the written report. A list of activities and achievements were provided as well as a brief update and schedule of activities needed related to the ITU-R. It was noted that TR-45.5 stated its intentions to provide an update to M.1457-8 in January 2007 in Cameroon.
- e. **TR-45.6 Subcommittee** – B. Hirschman provided Document .09 as the written report. It was noted that no changes were recommended to the Scope and Charter of Subcommittee TR-45.6.
- f. **Ad Hoc Authentication Group (AHAG)** – F.Quick provided Document .10 as the written report. The Chair of the AHAG took an action item to draft correspondence from TR-45 to 3GPP SA regarding the TR-45 approved changes to the joint control agreement as presented in Document .10a. Document .10b was approved without objection to go forward to 3GPP2 TSG-S as amended. In addition, a default ballot of PN-3-0095-AD2 was approved pending the resolution of all ballot comments by TSG-S. A recommendation for approval for publication will be placed on the agenda for the next meeting of TR-45 in March 2007.

The Committee recessed for a break at 2:50 PM and reconvened at 3:20 PM.

- g. **AHG on Electronic Media Documentation (AHEM)** – There was no written report. Nevertheless, it was reported that the implementation of the promised enhancements to the TIA website would be delayed due to the changed priorities of the TIA web-master.
- h. **AHG on ESN/UIM/MEID (EUMAG)** – G.Pellegrino provided Document .11 as the written report with attachments .11a and .11b. Document .24 was provided for information.
 - **ESN Administration** – On behalf of J.Derr, G.Pellegrino presented Document .12 as the written report.
 - **MEID Administration** – G.Pellegrino reported that there has been no MEID implementation activity since the last TR-45 meeting in September 2006. ARIB of Japan has been asked to be a regional administrator of MEID. TIA noted its plans to work with ARIB as a regional administrator of MEID.
- i. **TR-45 Standards Development Program Report** – J.Alphonse provided Document .15 as the program report for information.
- j. **J-STD-025-B Second Addendum Report** - It was reported that the second addendum to ANSI/J-STD-025-B was approved for ballot in both TIA and ATIS (WTSC). The ballot expiration date was coordinated by the two organizations.
- k. **OID Administrators Report** - There was nothing to report at the time.

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

- a. **Joint ATIS/TIA Standards Development Agreement**
The approved Memorandum of Understanding (MoU) between ATIS and TIA was provided in Document .20. Going forward any joint projects will follow the MoU. It was noted that this MoU supercedes any former joint standard development agreements. The MoU will be posted on the TIA website. The seconded addendum of J-STD-025-B will follow this MoU.
- b. **Referencing Draft Documents in TIA Standards**

Referencing draft documents in TIA standards remains under investigation. The TR-45 Chair plans to raise this issue to the TIA TSSC.

c. **TIA Transposition of 3GPP2 Specifications**

It was noted that TIA is supportive of the process that was endorsed at the last TR-45 meeting in September 2006 in Arlington, VA. In anticipation of implementation of the endorsed process, a few issues require further investigation.

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

a. **TIA Emerging Technologies Areas Focus Group**

Document .28 was remanded to all Subcommittees for information. Volunteers were sought to serve on behalf of TR-45 on the TIA Emerging Technologies Areas Focus Group (FG). The Chair of TR-45 will participate on the FG on behalf of TR-45 and will keep the membership informed of FG activities.

b. **IP Applications over Mobile Systems**

Document .29 was remanded to all Subcommittees to review and provide comments, if any, back to TR-45 by 12 January 2007.

c. **FCC Commercial Mobile Service Alert Advisory Committee**

Document .14 was provided for information. It was reported that the TIA application was accepted for TIA to be a participant on the advisory committee.

The Committee recessed at 5:00 PM Local Time on Thursday, November 30, 2006 and re-convened at 8:00 AM Local Time on Friday, December 1, 2006.

8. Committee TR-45 Chair Election (continued)

Document .19 was provided for information regarding a reelection waiver. A call for a quorum count was requested. The quorum count was 14 organizations (all present in the meeting room.) The quorum organizations representing at least 75% of the organizations in good standing listed on the meeting quorum list granted a waiver of the two-year consecutive term limit. After which, the current Chair of TR-45, Cheryl Blum of Alcatel-Lucent, was reelected by acclamation.

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

a. **CTIA** – There was no report.

b. **ITU-T** – There was no report.

c. **ITU-R** – There was no report. It was noted that due to the uncertainty of the 2008 ITU-R SG8 schedule, WP8F choose to accelerate the schedule for M.1457-8. Thus the first WP8F meeting of M.1457-8 will be in January 2007 in Cameroon.

d. **CITEL** – There was no report.

e. **Wireless Communications Division (WCD)** – C.Blum provided a brief verbal report.

f. **TIA** – H.Cuschieri provided a brief verbal report.

g. **3GPP2** – There was no written report. However, C.Blum provided a brief verbal report.

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

- i. **ATIS** – There was no report. Nevertheless, the Liaison will remain on the TR-45 agenda with the vacant designation removed. TIA contacted Tim Jefferies of ATIS who agreed to serve, as the ATIS Liaison to TIA TR-45 on an as needed basis.
- j. **IFAST** – On behalf of E.Hall, G. Pellegrino presented Document .22 as the written report.
- k. **Project MESA** – There was no report. However, G.Patel of Nortel Networks provided a brief verbal report. It was noted that the TIA Board of Directors had decided to not provide funding for Project MESA in 2007. Cingular plans to host the next Project MESA meeting in May 2007 in Portland, OR.

13. In review of assignments, a summary of the assignments was as follows:

- 1. Regarding the TIA agreement to establish a web site location for the SS7 TT and SSN assignments, H.Cuschieri of TIA agreed to work with L.Milton and G.Pellegrino to address the establishment of the web site location.
- 2. TR-45.2 would be the focal point for receiving documents from the TIA NGN Focus Group, however TR-45 would coordinate any responses.
- 3. TR-45.2 agreed to work with TIA staff to replicate and resolve the document numbering problem with the PDF formatted TIA copy of TR-45.2 documents.
- 4. The Chair of the AHAG took an action item to draft correspondence from TR-45 to 3GPP SA regarding the TR-45 approved changes to the joint control agreement as presented in Document .10a.
- 5. The AHAG would forward Document .10b to 3GPP2 TSG-S as amended.
- 6. Document .29 was remanded to all Subcommittees to review and provide comments, if any, back to TR-45 by 12 January 2007.

14. Review meeting schedules,

- a. **TR-45 2007 Schedule** - Document .04R1 was provided for information.
- b. **Subcommittees and AHG 2007 Schedules** - Documents .05, .06, .07, .08, and .09 were provided for information.

15. Open Discussion

The TR-45 Chair thanked the membership for their continued work and support for another year.

Having concluded the meeting's deliberations, a motion was made to adjourn. The meeting was conducted in accordance with the TIA Engineering Manual and TIA Legal Guide and was adjourned at approximately 9:45 AM local time December 1, 2006.

Cheryl J. Blum
Chair
Engineering Committee TR-45

Jane C. Brownley
Secretary
Engineering Committee TR-45

Organization: TIA Engineering Committee TR-45
Mobile & Personal Communications Standards (TR-45)
Chair: Cheryl J. Blum
Lucent Technologies, Bell Labs
630-713-1449, Fax: 630-713-1921
Date: Thursday, November 30 through Friday, December 1, 2006
Time: Convene at 1:00 PM Local Time
Adjournment at approximately 12:00 PM Local Time
Location: Grand Wailea
3850 Wailea Alanui Dr.
Wailea, Maui, HI 96733
Telephone: 808-875-1234
FAX: 808-879-4077
Rate: \$175 + 11.416% tax
Cut-off: October 30, 2006
When making reservations, please refer to the TR45 block – not TIA/TR45.

EDC Cut-off: November 27, 2006 11:59 PM Eastern Time (Please see Note 2 below.)
FTP Sites: <http://ftp.tiaonline.org/TR-45/TR45MAIN/INCOMING>
<http://ftp.tiaonline.org/TR-45/TR45MAIN/WORKING/current>

AGENDA

PLEASE READ: See the notes below for important information relative to the meeting agenda and the electronic distribution of contributions.

1. Call to Order & Opening Remarks, Chair
2. Important Notice of Participation (see Note 1 below)
3. Attendance Registration & Roll Call
4. Agenda Review & Approval (TR45/06.11.30.01R2)
5. Early Disclosure Policy (see Note 4 below)
6. Introduction of Submissions and Contributions and Numbering (Please see Note 3 below.)
7. Review of Meeting Report from Previous Meetings, Secretary (TR45/06.11.30.02), (TR45/06.11.30.03)
8. Committee TR-45 Chair Election (TR45/06.11.30.19)
9. Reports
 - a. TR45.2 Subcommittee, L.Milton (TR45/06.11.30.05R1)
 - b. TR45.3 Subcommittee, P.Musgrove (TR45/06.11.30.06)
 - c. TR45.4 Subcommittee, G.Turnipseed (TR45/06.11.30.07)
 - d. TR45.5 Subcommittee, J.Alphonse (TR45/06.11.30.08)
 - e. TR45.6 Subcommittee, B.Hirschman (TR45/06.11.30.09)
 - f. Ad Hoc on Authentication Group (AHAG), F.Quick (TR45/06.11.30.10), (TR45/06.11.30.27), (TR45/06.11.30.17), (TR45/06.11.30.18)
 - Recommendation to publish TIA-946 second addendum
 - g. AHG on Electronic Media Documentation (AHM), P.Nurse

Note 1: Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by TIA's Senior Vice President, Standards and Special Projects on a case-by-case basis.

Note 2: Recesses may occur at any point in the agenda, when necessary, for breaks, meals, and recessing for the day.

Organization: TIA Engineering Committee TR-45
Mobile & Personal Communications Standards (TR-45)
Date: Thursday, November 30 through Friday, December 1, 2006
Time: Convene at 1:00 PM Local Time
Adjournment at approximately 12:00 PM Local Time

AGENDA (cont'd)

- h. AHG on ESN/UIM/MEID (EUMAG), G.Pellegrino (*TR45/06.11.30.11*), (*TR45/06.11.30.24*)
 - ESN Administrator's Report, J.Derr (*TR45/06.11.30.12*)
 - MEID Administrator's Report, H.Cuschieri (*TR45/06.11.30.13*)
- i. TR-45 Standards Development Program Report, J.Alphonse (*TR45/06.11.30.15*)
- j. J-STD-025-B Second Addendum Report, G.Pellegrino (*TR45/06.11.30.16*), (*TR45/06.11.30.26*)
- k. OID Administrators Report, G.Pellegrino
- 10. Old Business
 - a. Joint ATIS/TIA Standards Development Agreement (*TR45/06.11.30.20*)
 - b. Referencing Draft Documents in TIA Standards
 - c. TIA Publication of 3GPP2 Specifications
- 11. New Business
 - a. TIA Emerging Technologies Areas Focus Group (*TR45/06.11.30.28*)
 - b. IP Applications over Mobile Systems (*TR45/06.11.30.29*)
 - c. FCC Commercial Mobile Service Alert Advisory Committee (*TR45/06.11.30.14*)
- 12. Liaison Reports
 - a. CTIA, R.Kemper
 - b. ITU-T, D.Thompson
 - c. ITU-R, M.Epstein
 - d. CITELE, B.Belt
 - e. Wireless Communication Division (WCD), B.Belt
 - f. TIA, H.Cuschieri
 - Proposed Revisions to ANSI Patent Policy (*TR45/06.11.30.25*)
 - g. 3GPP2, G.Flynn (*TR45/06.11.30.21*)
 - h. 3GPP, P.Musgrove
 - i. ATIS, *vacant*
 - j. IFAST, E.Hall (*TR45/06.11.30.22*)
 - k. Project MESA, D.Thompson (*TR45/06.11.30.23*)
- 13. Review Assignments
- 14. Review Meeting Schedules
 - a. TR-45 2007 Schedule (*TR45/06.11.30.04R1*)
 - b. Subcommittee and AHGs 2007 Schedules (*TR45/06.11.30.05R1*), (*TR45/06.11.30.06*), (*TR45/06.11.30.07*), (*TR45/06.11.30.08*), (*TR45/06.11.30.09*)
- 15. Open Discussion
- 16. Adjournment

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Note 3: Contributions uploaded will not be distributed via paper copy at the meeting. Contributions will be uploaded to the TIA ftp site prior to the meeting and during the meeting. For access to the ftp sites, the username/password is tiatr45/1tr45. For electronic documentation distribution guidelines see the Guidelines for TR45 Electronic Document Coordination Process and Policy appended to the TIA Guidelines for Electronic Document Coordinators (EDC) located at http://www.tiaonline.org/standards/sfg/edc_guidelines.cfm For TIA ftp site assistance contact Stephanie Montgomery, Manager, Technical & Regulatory Affairs at (703) 907-7735 or smontgomery@tiaonline.org.

Note 4: The TIA Patent Policy can be found in Statements of Policy and subsequent sections of the updated TIA Engineering Manual (issued and effective June 1, 2001). Participants in the work of the TIA Formulating Group are urged to review and comply with the appropriate sections (i.e., Section 6.5.1 and Annex H.)