



**TELECOMMUNICATIONS
INDUSTRY ASSOCIATION**

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Approved by General Counsel

TR-45 Meeting Report

Date: 03/04/09

Location: Phoenix, AZ

Approved: 04/22/09

T# 11305

**Telecommunications Industry Association
TR-45 Committee
Mobile & Personal Communications Standards (TR-45)
Report of Meeting
3-4 March 2009
Embassy Suites – Biltmore, Phoenix, AZ**

Quorum List, Members Present

Member	Representative	Attendance	
		Last	Prior
1. Alcatel-Lucent	C. Blum	X	X
2. AT&T	P. Musgrove	X	X
3. CDMA Development Group	S. Samra	X	
4. CommFlow Resources	G. Pellegrino	X	X
5. Ericsson	J. Ragsdale	X	X
6. Motorola, Inc.	L. Nyberg (via phone)		
7. Nokia Mobile Phones	W. Tamminen		
8. Qualcomm	F. Quick	X	X
9. Sigma Delta Communications	P. Nurse (via phone)	X	X
10. Sprint	G. Turnipseed	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. LG Electronics	S. Yoon	X	X
2. Nortel Networks	G. Patel		X
3. ZTE	M. Lee	X	
4. Verizon Wireless	G. Flynn		X

Others Present

Member	Representative
1. Alcatel-Lucent	F. O'Brien
2. Alcatel-Lucent	J. Brownley
3. Alcatel-Lucent	O. Pearson
4. Alcatel-Lucent	B. Covell
5. AT&T	B. Daley (via phone)
6. AT&T	D. Sennett (via phone)
7. TIA	P. Bogard
8. TIA	J. Derr
9. TIA	A. Kurtzman (via phone)
10. TIA	E. Mikoski (via phone)

[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 4 March 2009, at the Embassy Suites - Biltmore Hotel in Phoenix, AZ at 1:00 PM local time.
 - C.Blum/Chair TR-45 called the meeting to order and welcomed the TR-45 membership to Phoenix.
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 ftsite prior to the start of the meeting.

Number	Title	Source	Agenda Item
TR45/09.03.04.00r1	Submission & Contribution Assignment List	J.Brownley Secretary TR45	6
TR45/09.03.04.01r1	Meeting Agenda	C.Blum Chair TR45	4
TR45/09.03.04.02	TR-45 Meeting Report of 8-9 December 2008	J.Brownley Secretary TR45	7
TR45/09.03.04.03/a	Report of TR-45.3 to TR-45	P. Musgrove Chair TR-45.3	8a, 13b
TR45/09.03.04.04	TR-45.4 Report	G. Turnipseed Chair TR-45.4	8b, 13b
TR45/09.03.04.05	TR-45.5 Report	O. Pearson Chair TR-45.5	8c, 13b
TR45/09.03.04.06/a	TR-45.8 Report to TR-45	B.Covell Chair TR-45.8	8d, 13b
TR45/09.03.04.07/a	AHAG Report	F. Quick Chair AHAG	8e
TR45/09.03.04.08	AHEM Report	P. Nurse Chair AHEM	8f
TR45/09.03.04.09/a	AHG on ESN/UIM/MEID Report	G. Pellegrino Chair AHG on ESN/UIM/MEID	8g
TR45/09.03.04.10	< number not used >		
TR45/09.03.04.11	MEID Administrator's Report	A. Dryden MEID Administrator	8g
TR45/09.03.04.12	2009 Committee TR-45 Meeting Schedule	J.Brownley Secretary TR45	13a
TR45/09.03.04.13	IFAST Liaison Report	E.Hall IFAST Liaison	11j
TR45/09.03.04.14	Committee TR-45 Report to the 3GPP2 Steering Committee	C.Blum Chair TR45	11g
TR45/09.03.04.15	AHIMT Report	P. Nurse Chair AHIMT	8h

TR45/09.03.04.16	Correspondence to Continental Re: Reply to Continental regarding proposed ESN Re-Use	C.Blum Chair TR45	8g
TR45/09.03.04.17	ITU-R Liaison Report	M. Epstein TR-45 ITU-R Liaison	11c
TR45/09.03.04.18	Correspondence from Project MESA Re: TR-45 Support for Project MESA	C. Jorgensen Chair Project MESA Steering Committee	10a
TR45/09.03.04.19	Liaison Statement from ITU-R WP5D Re: Femto Cells	C. Langtry Counsellor, SG-5	11c
TR45/09.03.04.20	Liaison Statement from ITU-R WP5D Re: IMT-2000 Roadmap	C. Langtry Counsellor, SG-5	11c
TR45/09.03.04.21	Liaison Statement from ITU-R WP5D Re: M.1457-9	C. Langtry Counsellor, SG-5	11c

7. The meeting report of 8-9 December 2008 numbered TR45/09.03.04.02 was reviewed. A motion was made and passed with no objections to approve the report.

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

- a. **TR-45.3 Subcommittee** – P.Musgrove presented Document .03, the written report.
- b. **TR-45.4 Subcommittee** – G.Turnipseed provided Document .04 as the written report.
- c. **TR-45.5 Subcommittee** – O.Pearson provided Document .05 as the written report.
- d. **TR-45.8 Subcommittee** – B.Covell provided Document .06 with attachment .06a as the written report. TIA agreed to activate the TIA web page on SS7 Translation Type (TT) and Subsystem Numbers (SSN) once it has completed its work. TIA agreed to look into providing support for the use of WEBx on subcommittee conference calls.
- e. **Ad Hoc Authentication Group (AHAG)** – F.Quick provided Document .07 as the written report. TR-45 agreed with the AHAG recommendation to move forward by making an editorial change to the CCA document in the AHAG public folder, rather than to conduct a formal publication process.
 - **Recommendation to discontinue the AKA Join Control Agreement with 3GPP SA3**
It was agreed without objection to discontinue the AKA Joint Control Agreement with 3GPP SA3. Consideration should be given to having a liaison relationship with SA3. Document .07a was carried-forward for review and approval at the next TR-45 in June 2009.
- f. **AHG on Electronic Media Documentation (AHM)** – P.Nurse provided Document .08 as the written report. TR-45 will provide the AHM scope and charter to TIA. TIA will post the AHM scope and charter to the TIA website. The TR-45 Chair will provide the comprehensive list of electronic media needs to the TIA Technical Committee (TC) at the next TC meeting in March 2009.
- g. **AHG on ESN/UIM/MEID (EUMAG)** – G.Pellegrino provided Document .09 as the written report with attachment .09a. Document .16 was provided for information. It was noted that the GDA (Global Decimal Administrator) has made assignments from code 35 for multi-mode codes. Calls will be planned through the year between the GDA and GHA administrators to share and provide coordination regarding multi-mode allocation. A liaison will be established between the EUMAG and 3GPP2 TSG-S WG1 to formally share information regarding EUMAG activities.
 - **ESN Administration** – J.Derr provided a brief verbal report. ESN Exhaust (that is assignment of last virgin ESN code) occurred in November 2008. Four assignments have since been made from the exceptional code ranges (codes 127 and 221). A.Kurtzman (via telephone) provided a brief overview of the ESN-related lawsuit.

- **MEID Administration** – A.Dryden provided Document .11 as the written report.

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

- h. **AHG on International Mobile Telecommunications (AHIMT)** – P.Nurse provided Document .15 as the written report. The AHIMT Chair will provide the AHIMT scope and charter to TIA for TIA to post to the TR-45 website.
 - i. **J-STD-025 Series Report** – It was reported that no action is required at this time regarding any of the TIA versions of J-STD-025.
 - j. **OID Administrators Report** - The Administrator position remains vacant.
9. Relative to old business, the following items were addressed:
- a. **Joint CMAS Standards Development**
P. Musgrove provided a brief verbal report. It was reported that everything is on schedule. The Mobile Device Behavior Joint Standard (J-STD-100) was approved for publication. The Reference Point C-Interface Specification is scheduled for ballot approval in June. It was noted that a new work item was opened in ATIS WTSC for LTE CMAS.
 - b. **Joint work with ATIS re: Enhanced Wireless 9-1-1 (J-STD-036)**
B.Covell provided a brief verbal report. It was reported that the workplan for the development of the next revision of J-STD-036 has been drafted.
 - c. **2009 TR-45 Leadership Election Schedule**
TR-45 leadership elections in 2009 will be held as listed in the table below.

Group	Position	Date
Committee TR-45	Vice-Chair	Sep-2009
Subcommittee TR-45.3	Chair	Sep-2009
Subcommittee TR-45.3	Vice-Chair	Sep-2009
Subcommittee TR-45.5	Chair	Aug-2009
Subcommittee TR-45.5	Vice-Chair	Aug-2009

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

- a. **CTIA** – There was no report.
- b. **ITU-T** – There was no report.
- c. **ITU-R** – Document .17 was provided as the written report.
Document .19, regarding femto cells, was remanded to the all of the TR-45 Subcommittees and AHGs to review and provide comments to the TR-45.5 Chair by 15 May 2009. The TR-45.5 Chair will provide the consolidated comments to the TR-45 Chair by 18 May 18. The TR-45 Chair will provide the TR-45 comments to TIA (E.Mikoski) to submit to ITU-R WP 5D before the 5D deadline.
Document .20, regarding the IMT-2000 roadmap, was remanded to Subcommittees TR-45.3 and TR-45.5 to review and take action as appropriate.
Document .21, regarding M.1457-9, and the action plan and timeline for finalizing Section 5.2 at the June 2009 meeting of WP 5D, was remanded to TR-45.5 to take action as appropriate.
- d. **CITEL** – There was no report.

- e. **Wireless Communications Division (WCD)** – There was no report. It was reported that the WCD would meet immediately following the TR-45 meeting on Thursday 5 March 2009 in Phoenix, AZ.
- f. **TIA** – There was no report.
- g. **3GPP2** – C.Blum provided a brief verbal report. Document .14 was provided for information.
- h. **3GPP** – P.Musgrove provided a brief verbal report. Release 9 is scheduled for completion at the end of 2009. Stage 2 work is scheduled for June 2009 and Stage 3 is to be completed by December 2009. Key features in this release are Home Node B, Single Radio – VCC, and support for Emergency Calls.
- i. **ATIS** – There was no report.
- j. **IFAST** – On behalf of E.Hall, G.Pellegrino presented Document .13 as the written report.
- k. **Project MESA** – There was no report. The request for TR-45 to support Project MESA was differed until agenda item 10a.

The Committee recessed at 4:30 PM Local Time on Wednesday 4 March 2009 and re-convened at 8:30 AM Local Time on Thursday 5 March 2009.

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

a. **TR-45 Support for Project MESA**

Document .18 was provided for consideration. It was recommended that a conference call be scheduled along with ATIS as listed in Document .18 to discuss in more detail potential next steps regarding the Project MESA requirements and gap analysis that would benefit from the support of TR-45. TR-45 will draft a response to the correspondence from Project MESA in Document .18 and include discussing the opportunity to arrange a call regarding potential next steps.

b. **NENA NG Messaging Working Group**

D.Sennett provided a verbal overview of the NENA NG messaging Working Group (WG) scope, objectives and deliverables. It was noted the Group will be addressing an IP based solution for messaging to 911.

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

- 1. TIA agreed to activate the TIA web page on SS7 Translation Type (TT) and Subsystem Numbers (SSN) once it has completed its work.
- 2. TIA agreed to look into providing support for the use of WEBx on subcommittee conference calls.
- 3. TR-45 will provide the AHEM scope and charter to TIA. TIA will post the AHEM scope and charter to the TIA website.
- 4. The TR-45 Chair will provide the previously compiled comprehensive list of electronic media needs to the TIA Technical Committee (TC) at the next TC meeting in March 2009.
- 5. The AHIMT Chair will provide the AHIMT scope and charter to TIA for TIA to post to the TR-45 website.
- 6. TR-45 leadership elections in 2009 will be held as listed in the table below.

Group	Position	Date
Committee TR-45	Vice-Chair	Sep-2009
Subcommittee TR-45.3	Chair	Sep-2009
Subcommittee TR-45.3	Vice-Chair	Sep-2009
Subcommittee TR-45.5	Chair	Aug-2009
Subcommittee TR-45.5	Vice-Chair	Aug-2009

7. Document .19, regarding femto cells, was remanded to all TR-45 Subcommittees and Ad-Hoc Groups to review and provide comments to the TR-45.5 Chair by 15 May 2009. The TR-45.5 Chair will provide the consolidated comments to the TR-45 Chair by 18 May 2009. The TR-45 Chair will provide the TR-45 comments to TIA (E.Mikoski) to submit to ITU-R WP 5D before the 5D deadline for submissions.
 8. Document .20, regarding the IMT-2000 roadmap, was remanded to Subcommittees TR-45.3 and TR-45.5 to review and take action as appropriate.
 9. Document .21, regarding M.1457-9, was remanded to TR-45.5 to take action as appropriate.
 10. TR-45 will draft a response to the correspondence from Project MESA in Document .18 regarding potential next steps.
13. Review meeting schedules,
- a. **TR-45 2009 Schedule** – Document .12 was provided for information.
 - b. **Subcommittees and AHG 2008 Schedules** – Documents .03, .04, .05, and .06 were provided for information.
14. Open Discussion
None.
15. Adjournment
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 5 March 2009.

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
Alcatel-Lucent
630-713-1449, Fax: 630-713-4119
Date: Wednesday, March 4 through Thursday, March 5, 2009
Time: Convene at 1:00 PM Local Time
Adjournment at approximately 12:00 PM Local Time
Location: Embassy Suites Phoenix Biltmore
2630 East Camel Back road
Phoenix, AZ 85016
Telephone: 602-955-3992
FAX: 602-955-6479
Rate: \$189.00
*Reference Telecommunications Industry Association
Cut-Off: February 9, 2009
EDC Cut-off: March 2, 2009 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 (TR45/09.03.04.01)
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 (TR45/09.03.04.02)
8. Reports
 - a. TR45.3 Subcommittee, P.Musgrove (TR45/09.03.04.03)
 - b. TR45.4 Subcommittee, G.Turnipseed (TR45/09.03.04.04)
 - c. TR45.5 Subcommittee, O.Pearson (TR45/09.03.04.05)
 - d. TR45.8 Subcommittee, B.Covell (TR45/09.03.04.06)
 - e. Ad Hoc on Authentication Group (AHAG), F.Quick (TR45/09.03.04.07)
 - Recommendation to discontinue the AKA Joint Control Agreement with 3GPP SA3
 - f. AHG on Electronic Media Documentation (AHEM), P.Nurse (TR45/09.03.04.08)
 - g. AHG on ESN/UIM/MEID (EUMAG), G.Pellegrino (TR45/09.03.04.09), (TR45/09.03.04.16)
 - ESN Administrator's Report, J.Derr
 - MEID Administrator's Report, A.Dryden (TR45/09.03.04.11)
 - h. AHG on International Mobile Telecommunications (AHIMT) (TR45/09.03.04.15)

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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: Wednesday, March 4, 2009 to Thursday, March 5, 2009
Time: Convene at 1:00 PM Local Time
Adjournment at approximately 12:00 PM Local Time

AGENDA (cont'd)

- i. J-STD-025 Series Report, G.Pellegrino
- j. OID Administrators Report, *vacant*
- 9. Old Business
 - a. Joint CMAS Standards Development
 - b. Joint work with ATIS re: Enhanced Wireless 9-1-1 (J-STD-036)
 - c. 2009 TR-45 Leadership Election Schedule
- 10. New Business
 - a. TR-45 Support for Project MESA (*TR45/09.03.04.18*)
 - b. NENA NG Messaging Working Group
- 11. Liaison Reports
 - a. CTIA, R.Kemper
 - b. ITU-T, *vacant*
 - c. ITU-R, M.Epstein (*TR45/09.03.04.17*), (*TR45/09.03.04.19*), (*TR45/09.03.04.20*), (*TR45/09.03.04.21*)
 - d. CITELE, *vacant*
 - e. Wireless Communication Division (WCD), *vacant*
 - f. TIA, J.Derr
 - g. 3GPP2, G.Flynn (*TR45/09.03.04.14*)
 - h. 3GPP, P.Musgrove
 - i. ATIS, T.Jefferies
 - j. IFAST, E.Hall (*TR45/09.03.04.13*)
 - k. Project MESA, *vacant*
- 12. Review Assignments
- 13. Review Meeting Schedules
 - a. TR-45 2009 Schedule (*TR45/09.03.04.12*)
 - b. Subcommittee and AHGs 2009 Schedules (*TR45/09.03.04.03*), (*TR45/09.03.04.04*), (*TR45/09.03.04.05*), (*TR45/09.03.04.06*)
- 14. Open Discussion
- 15. 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.)