



**TELECOMMUNICATIONS  
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## **Approved by General Counsel**

TR-45 Meeting Report

Date: 12/08/08

Location: Maui, HI

Approved: 01/22/09

**T# 11224**

**Telecommunications Industry Association  
TR-45 Committee  
Mobile & Personal Communications Standards (TR-45)  
Report of Meeting  
8-9 December 2008  
Grand Wailea Hotel, Wailea, HI**

**Quorum List, Members Present**

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

**Others Present**

Member	Representative
1. Alcatel-Lucent	J. Brownley
2. Alcatel-Lucent	O. Pearson
3. Alcatel-Lucent	B. Covell
4. Continental Automotive Systems	T. Layer (via phone)
5. TIA	P. Bogard
6. TIA	J. Derr (via phone)
7. TIA	A. Dryden (via phone)
8. TIA	A. Kurtzman (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 8 December 2008, at the Grand Wailea Hotel in Wailea, HI 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 start of the meeting.

Number	Title	Source	Agenda Item
TR45/08.12.08.00	Submission & Contribution Assignment List	J.Brownley Secretary TR45	6
TR45/08.12.08.01	Meeting Agenda	C.Blum Chair TR45	4
TR45/08.12.08.02	TR-45 Meeting Report of 3-4 September 2008	J.Brownley Secretary TR45	7
TR45/08.12.08.03/a	Report of TR-45.3 to TR-45	P. Musgrove Chair TR-45.3	9a, 14b
TR45/08.12.08.04	TR-45.4 Report	G. Turnipseed Chair TR-45.4	9b, 14b
TR45/08.12.08.05a/b/c	TR-45.5 Report	O. Pearson Chair TR-45.5	9c, 14b
TR45/08.12.08.06/a	TR-45.8 Report to TR-45	B.Covell Chair TR-45.8	9d, 14b
TR45/08.12.08.07	AHAG Report	F. Quick Chair AHAG	9e
TR45/08.12.08.08	AHEM Report	P. Nurse Chair AHEM	9f
TR45/08.12.08.09/a	AHG on ESN/UIM/MEID Report	G. Pellegrino Chair AHG on ESN/UIM/MEID	9g
TR45/08.12.08.10	< number not used >		
TR45/08.12.08.11	MEID Administrator's Report	A. Dryden MEID Administrator	9g
TR45/08.12.08.12	2009 Committee TR-45 Meeting Schedule	J.Brownley Secretary TR45	14a
TR45/08.12.08.13	IFAST Liaison Report	E.Hall IFAST Liaison	12j
TR45/08.12.08.14	Committee TR-45 Report to the 3GPP2 Steering Committee	C.Blum Chair TR45	12g
TR45/08.12.08.15	TIA TR-45 Report to TIA Technical Committee	C.Blum Chair TR45	12f
TR45/08.12.08.16	Correspondence to TR-45.4 Re: Voting Membership Lists	C.Blum Chair TR45	10a

TR45/08.12.08.17	Correspondence from ATIS & TIA to FEMA Re: CMAS Alert Gateway Specifications	T.Goode, ATIS D. Coffey, TIA	10b
TR45/08.12.08.18	Correspondence to TIA from Continental Automotive Systems Re: ESN Reuse	T.Layer Manager, Continental Automotive Systems	9g
TR45/08.12.08.19	TIA News Re: 5 Standards that Improve Lives	C.Blum Chair TR45	12f
TR45/08.12.08.20	Correspondence to ITU-R from TR-45.5 Re: Preliminary Updates to M.1547 Rev 9	O. Pearson Chair TR-45.5	9c
TR45/08.12.08.21	Correspondence to ITU-R from TR-45.5 Re: Proposed Amendments to M.1580-2 and M.1581-2 for CMDA-MC	O. Pearson Chair TR-45.5	9c
TR45/08.12.08.22	Correspondence to ITU-R from TR-45.5 Re: CDMA-MC Update for a Revision of Recommendation ITU-R M.1801	O. Pearson Chair TR-45.5	9c
TR45/08.12.08.23	Correspondence to ITU-R from TR-45.5 Re: Request for Parameters of IMT Radio Interface Technologies	O. Pearson Chair TR-45.5	9c
TR45/08.12.08.24	Correspondence to and from ITU-R Re: Registration for IMT.Advanced Evaluation Group	C. Blum Chair	10c
TR45/08.12.08.25	Correspondence to ATIS and TIA Re: J-STD-025-B Shelf-Life	C. Blum Chair	10h
TR45/08.12.08.26	Correspondence from 3GPP2 TSG-S Re: cdma2000 Network Performance Measurements Types (S.S0093-0 v3.0)	N. Yamasaki Chair 3GPP2 TSG-S	11b
TR45/08.12.08.27	Correspondence from 3GPP2 TSG-S Re: cdma2000 OAM&P (S.S0028-D v1.0)	N. Yamasaki Chair 3GPP2 TSG-S	11c
TR45/08.12.08.28	Correspondence to 3GPP2 TSG-S Re: cdma2000 Network Performance Measurements Types (PN-3-0335)	C. Blum Chair	11b
TR45/08.12.08.29	Correspondence to 3GPP2 TSG-S Re: cdma2000 OAM&P (PN-3-0336)	C. Blum Chair	11c
TR45/08.12.08.30	Correspondence to 3GPP2 TSG-S Re: TR-45.8 Chair Nomination	D. Prochaska Sprint	11a
TR45/08.12.08.31	Correspondence to TIA and TR-45 Re: TR-45.8 Meeting Convened on 10-2-08	B. Hirschman Convener TR-45.8	9d
TR45/08.12.08.32	Correspondence to ATIS Re: JCMAS between ATIS WTSC G3GSN and now TR-45.8	C. Blum Chair	10b
TR45/08.12.08.33	Correspondence to TIA from Continental Automotive Systems Re: ESN Reuse	T.Layer Manager, Continental Automotive Systems	9g
TR45/08.12.08.34	Liaison Statements from ITU-R WP 5D Re: M.1580, M.1581, and IMT RIT Parameters	C. Langtry Counselor, ITU-R SG5	12c
TR45/08.12.08.35	Correspondence from 3GPP2 TSG-S to TR-45.8 Re: V&V and Ballot Comment Disposition Records for S.R0126 Femto Cell SRD	N. Yamasaki Chair 3GPP2 TSG-S	9d
TR45/08.12.08.36	Correspondence from 3GPP2 TSG-S to TR-45.8 Re: V&V and Ballot Comment Disposition Records for S.R0106-A Packet-Switched Video Telephony Stage 1	N. Yamasaki Chair 3GPP2 TSG-S	9d
TR45/08.12.08.37	Correspondence from 3GPP2 TSG-S to TR-45.8 Re: V&V and Ballot Comment Disposition Records for Wireless Feature Description Parts 000, 807, 808	N. Yamasaki Chair 3GPP2 TSG-S	9d

TR45/08.12.08.38R1	Proposed Update to the Scope and Charter for TR-45.AHIMT	P.Nurse Sigma Delta Communications	11d
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7. The meeting report of 3-4 September 2008 numbered TR45/08.12.08.02 was reviewed. A motion was made and passed with no objections to approve the report.
8. The Committee TR-45 Chair election was held. There were no nominations. There were no objections to waive the two term limit for Chair. Thus, Cheryl Blum of Alcatel-Lucent was re-elected TR-45 Chair by acclamation.
9. The following Subcommittee and Ad-Hoc Group reports were provided:
  - a. **TR-45.3 Subcommittee** – P.Musgrove presented Document .03, the written report. It was noted that TR45.3 continues to work jointly with ATIS WTSC on the ITU-R RSPC update work for TDMA-SC.
  - b. **TR-45.4 Subcommittee** – G.Turnipseed provided Document .04 as the written report. TR-45.4 progress since the September 2007 TR-45 meeting was reported.
  - c. **TR-45.5 Subcommittee** – O.Pearson provided Document .05 as the written report. Attention was drawn to the plans for ITU-R submissions into the February 10, 2009 ITU-R meeting (due on or prior to February 3, 2009.) Documents .20, .21, .22, and .23 were provided for information.
  - d. **TR-45.8 Subcommittee** – B.Covell provided Document .06 as the written report. TR-45 plans to notify ATIS once the TIA web page on SS7 Translation Type (TT) and Subsystem Numbers (SSN) is activated. The TR-45.8 elections were held during the October 2, 2008 meeting of TR-45.8. TR-45 confirmed as the new TR-45.8 leadership – Betsy Covell of Alcatel-Lucent as Chair and Brent Hirschman of Sprint as Vice-Chair. Documents .31, .35, .36, and .37 were provided for information.
  - e. **Ad Hoc Authentication Group (AHAG)** – F.Quick provided Document .07 as the written report. Plans to dissolve the AKA joint control agreement with 3GPP will be carried forward as an agenda item under the AHAG Report at the next TR-45 meeting in March 2009. There were no objections to TR-45 requesting a PN for the transposition of the femto security framework from 3GPP2 TSG-S. The AHAG Chair to initiate the PN Request.
  - f. **AHG on Electronic Media Documentation (AHEM)** – P.Nurse provided Document .08 as the written report. TIA was requested to provide the appropriate access permissions to the TR-45.3 ftpsite folders.
  - h. **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. TR-45 will await any other instructions from TIA, if needed.
  - i. **OID Administrators Report** - The Administrator position remains vacant. It was noted that a copy of the current version of the OID Administration Guidelines has been made available to TIA. TIA still needs to post the Guidelines in the “numbering area” of the TIA website.

The Committee recessed for a break at 2:30 PM and reconvened at 2:55 PM.

10. Relative to old business, the following items were addressed:
  - a. **Voting Membership Lists**  
Document .16 was provided for information. It was reported the new system software is being tested at this time to remove member companies from the auto-registration for ballots once the company has failed to vote on three consecutive ballots (on three separate dates.). In order to vote on a ballot the member company would have to self-register for each ballot. It was agreed that this new procedure would be codified in the next version of the TIA Engineering Manual. It was also noted that the ballot registration would not impact “informational” and other types of TIA auto-notifications.

b. **Joint CMAS Standards Development**

P. Musgrove provided a brief verbal report. Documents .17 and .32 were provided for information.

c. **IMT-Advanced Evaluation Group Registration**

Document .24 was provided for information.

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

a. **Affirmation of New TR-45.8 Leadership**

Affirmation of the new TR-45.8 leadership was conducted previously during agenda item 9d. Document .30 was provided for information.

b. **Recommendation to Publish PN-3-0335 “cdma2000 Network Performance Measurement Types”**

Documents .26 and .28 were provided for information. PN-3-0335 (as provided in 3GPP2 document S00-20081027-106) was approved to be published as TIA-1155 without objection. TR-45 will submit the PN-3-0335 authorization for publication as TIA-1155

c. **Recommendation to Publish PN-3-0336 "OAM&P for cdma2000"**

Documents .27 and .29 were provided for information. PN-3-0336 (as provided in 3GPP2 document S00-20081027-107) was approved to be published as TIA-1156 without objection. TR-45 will submit the PN-3-0336 authorization for publication as TIA-1156.

d. **IMT-Advanced Evaluation Group Formation**

There were no objections to resurrect the TR-45 Ad-Hoc on IMT. P.Nurse was appointed as the TR-45 AHIMT Chair. Document .38R1, the updated scope and charter of the TR45.AHIMT, was approved as amended without objection. The TR45.AHIMT report will be added as a standing Report on the TR-45 meeting agenda going forward.

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** – Document .34 was remanded to TR-45.3 and 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 noted the G.Patel plans to retire and will no longer serve as the TR-45 Liaison to the WCD. Plans are to provide a plaque of recognition to G.Patel for his many years of support of the work of Committee TR-45.

f. **TIA** – Documents .15 and .19 were provided for information.

g. **3GPP2** – C.Blum provided a brief verbal report. The new leadership of 3GPP2 was noted, including C.Blum as the new 3GPP2 Steering Committee Chair. Document .14 was provided for information.

h. **3GPP** – P.Musgrove provided a brief verbal report. It was noted that Release 8 will be frozen in December 2008. The schedule for Release 9 is to freeze the release in December 2009. Postponed items in Release 8 will be included in Release 9. 3GPP will be submitting a candidate technology for IMT-Advanced. The Femto Forum is now an MRP of 3GPP. The Broadband Forum has an MoU with 3GPP. Asok Chatterjee was appointed as Chair of the PCG.

i. **ATIS** – There was no report.

The Committee recessed at 4:15 PM Local Time on Monday, December 8, 2008 and re-convened at 8:10 AM Local Time on Tuesday, December 9, 2008.

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

- g. **AHG on ESN/UIM/MEID (EUMAG)** – G.Pellegrino provided Document .09 as the written report with attachment .09a. Documents .09a and .18 were provided for information. ESN Assignment Guidelines v2.0 has been uploaded to the TIA website. Document .33 was presented by T.Layer of Continental Automotive Systems. Regarding Document .33, TR-45 plans to reply with thanks to Continental Automotive Systems for their correspondence and encourage the continued compliance with the ESN Guidelines.
  - **ESN Administration** – J.Derr provided a brief verbal report. It was reported that the unreserved unused ESN code blocks reached exhaust in late November 2008.
  - **MEID Administration** – A.Dryden provided Document .11 as the written report.

12. Reports of the following Liaisons were provided:

- j. **IFAST** – On behalf of E.Hall, G.Pellegrino presented Document .13 as the written report.
- k. **Project MESA** – There was no report. TR-45 plans to contact TIA for updates on the activities of Project MESA for potential transfer to TR-45.

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

1. TR-45 plans to notify ATIS once the TIA web page on SS7 Translation Type (TT) and Subsystem Numbers (SSN) is activated.
2. Plans to dissolve the AKA joint control agreement with 3GPP will be carried forward as an agenda item under the AHAG Report at the next TR-45 meeting in March 2009.
3. The AHAG Chair will submit the PN Request for the transposition of the femto security framework from 3GPP2 TSG-S.
4. TIA was requested to implement the appropriate access permissions for the TR-45.3 ftpsite folders.
5. TIA still needs to post the OID Administration Guidelines in the “numbering area” of the TIA website.
6. TR-45 will submit the PN-3-0335 authorization for publication as TIA-1155.
7. TR-45 will submit the PN-3-0336 authorization for publication as TIA-1156.
8. The TR-45 IMT Ad Hoc report will be added as a standing report on the TR-45 meeting agenda going forward.
9. Document .34 was remanded to TR-45.3 and TR-45.5 to take action as appropriate.
10. Plans are to provide a plaque of recognition to G.Patel for his many years of support of the work of Committee TR-45.
11. Regarding Document .33, TR-45 plans to reply with thanks to Continental Automotive Systems for their correspondence and encourage the continued compliance with the ESN Guidelines.
12. TR-45 plans to contact TIA for updates on the activities of Project MESA for potential transfer to TR-45.
13. TIA agreed to provide information on what it entails to “host” a Committee TR-45 meeting.

14. Review meeting schedules,

- a. **TR-45 2009 Schedule** – Document .12 was provided for information. TIA agreed to provide information on what it entails to host a Committee TR-45 meeting.
- b. **Subcommittees and AHG 2008 Schedules** – Documents .03, .04, .05, and .06 were provided for information.

15. Open Discussion

The EUMAG Chair noted work on defining a numbering scheme for Femto IDs and asked that the subcommittees keep the EUMAG informed regarding the format of the ID.

The Chair expressed appreciation and thanks to the participants of Committee TR-45 and their member companies for their work and support throughout the year.

16. 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 9:15 AM local time 9 December 2008.

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:** Monday, December 8 through Tuesday, December 9, 2008  
**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:** \$185.00 + 11.416% tax + \$ 20.00 resort fee + 4.16% tax  
\*Reference Telecommunications Industry Association  
**Cut-Off:** September 26, 2008  
**EDC Cut-off:** December 5, 2008 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 (TR45/08.12.08.01)
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 (TR45/08.12.08.02)
8. Committee TR-45 Chair Election
9. Reports
  - a. TR45.3 Subcommittee, P.Musgrove (TR45/08.12.08.03)
  - b. TR45.4 Subcommittee, G.Turnipseed (TR45/08.12.08.04)
  - c. TR45.5 Subcommittee, O.Pearson (TR45/08.12.08.05), (TR45/08.12.08.20), (TR45/08.12.08.21), (TR45/08.12.08.22), (TR45/08.12.08.23)
  - d. TR45.8 Subcommittee, B.Covell (TR45/08.12.08.06), (TR45/08.12.08.31), (TR45/08.12.08.35), (TR45/08.12.08.36), (TR45/08.12.08.37)
  - e. Ad Hoc on Authentication Group (AHAG), F.Quick (TR45/08.12.08.07)
  - f. AHG on Electronic Media Documentation (AHEM), P.Nurse (TR45/08.12.08.08)
  - g. AHG on ESN/UIM/MEID (EUMAG), G.Pellegrino (TR45/08.12.08.09)
    - ESN Administrator's Report, J.Derr (TR45/08.12.08.18), (TR45/08.12.08.33)

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: Monday, December 8, 2007 to Tuesday, December 9, 2008  
Time: Convene at 1:00 PM Local Time  
Adjournment at approximately 12:00 PM Local Time

### AGENDA (cont'd)

- MEID Administrator's Report, A.Dryden (*TR45/08.12.08.11*)
- h. J-STD-025 Series Report, G.Pellegrino (*TR45/08.12.08.25*)
- i. OID Administrators Report, *vacant*
- 10. Old Business
  - a. Voting Membership Lists (*TR45/08.12.08.16*)
  - b. Joint CMAS Standards Development (*TR45/08.12.08.17*), (*TR45/08.12.08.32*)
  - c. IMT-Advanced Evaluation Group Registration (*TR45/08.12.08.24*)
- 11. New Business
  - a. Affirmation of New TR-45.8 Leadership (*TR45/08.12.08.30*)
  - b. Recommendation to Publish PN-3-0335 "cdma2000 Network Performance Measurement Types" (*TR45/08.12.08.26*), (*TR45/08.12.08.28*)
  - c. Recommendation to Publish PN-3-0336 "OAM&P for cdma2000" (*TR45/08.12.08.27*), (*TR45/08.12.08.29*)
  - d. IMT-Advanced Evaluation Group Formation (*TR45/08.12.08.38*)
- 12. Liaison Reports
  - a. CTIA, R.Kemper
  - b. ITU-T, *vacant*
  - c. ITU-R, M.Epstein (*TR45/08.12.08.34*)
  - d. CITELE, *vacant*
  - e. Wireless Communication Division (WCD), G.Patel
  - f. TIA, J.Derr (*TR45/08.12.08.15*), (*TR45/08.12.08.19*)
  - g. 3GPP2, G.Flynn (*TR45/08.12.08.14*)
  - h. 3GPP, P.Musgrove
  - i. ATIS, T.Jefferies
  - j. IFAST, E.Hall (*TR45/08.12.08.13*)
  - k. Project MESA, *vacant*
- 13. Review Assignments
- 14. Review Meeting Schedules
  - a. TR-45 2009 Schedule (*TR45/08.12.08.12*)
  - b. Subcommittee and AHGs 2009 Schedules (*TR45/08.12.08.03*), (*TR45/08.12.08.04*), (*TR45/08.12.08.05*), (*TR45/08.12.08.06*)
- 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](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](mailto: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.)