



BUILDING GLOBAL COMMUNICATIONS

## **Approved by General Counsel**

TR-45 Meeting Report

Date: 03/3-4/04

Location: Phoenix, AZ

Approved: 03/13/04

**T# 7943**

**Telecommunications Industry Association  
TR-45 Committee  
Mobile & Personal Communications Standards (TR-45)  
Report of Meeting  
March 3-4, 2004  
Hilton Phoenix East/Mesa, Phoenix, AZ**

**Quorum List, Members Present**

Member	Representative	Attendance	
		Last	Prior
1. Alltel	D. Gentzler		X
2. AT&T Wireless Services	B. Daly	X	X
3. CommFlow Resources	G. Pellegrino	X	X
4. Ericsson	J. Ragsdale	X	X
5. InterDigital Communications, Corp.	B. Kiernan		
6. Lucent Technologies, Inc.	C. Blum	X	X
7. Motorola, Inc.	B. Brye	X	X
8. Nextel Communications	B. Levitan	X	X
9. Nokia Mobile Phones	W. Tamminen	X	X
10. Nortel Networks	G. Patel	X	X
11. Qualcomm	F. Quick	X	X
12. Rogers Wireless, Inc.	P. Oldfield		X
13. Sprint	G. Turnipseed	X	X
14. Toshiba	J. Madrid		X
15. 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. Alps Electric	R. Miyano		X
2. Cisco Systems	P. Yegani	X	X

**Others Present**

Member	Representative
1. Axalto, a Schlumberger Company	J. Cung
2. Bell Mobility	C. Vinodrai
3. CDMA Development Group	S. Samra
4. FBI	G. Milonovich
5. LG InfoComm	K. Kim
6. Lucent Technologies, Inc.	J. Alphonse
7. Lucent Technologies, Inc.	J. Brownley
8. Lucent Technologies, Inc.	P. Nurse
9. Lucent Technologies, Inc.	F. O'Brien
10. Samsung	P. Rajkotia
11. Sprint	L. Young

12. TIA	B.Belt
13. TIA	J. Derr
14. TIA	S. Hoyler
15. Tridea Works	H.Hodor
16. TR-45 LAES Ad-Hoc Group Chair	T.Brooks

[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.]

- The TR-45 Committee was convened on March 3, 2004, at the Hilton Phoenix East/Mesa Hotel, Phoenix, AZ, at 1:15 PM local time.
  - C.Blum/Chair TR-45 called the meeting to order and welcomed the TR-45 membership to Phoenix, AZ.
- Meeting attendance was recorded as indicated by the above list and quorum was established.
- The attached meeting agenda was reviewed and approved as amended.
- Regarding the Early Disclosure Policy, the Chair duly informed the meeting attendees. There were no comments from the meeting attendees.
- Relative to contributions, the following documents were numbered and assigned accordingly.

Number	Title	Source	Agenda Item
TR45/04.03.03.00R2	Contribution Assignment List	J.Brownley Secretary	5
TR45/ 04.03.03.01R2	Meeting Agenda	C. J. Blum Chair TR45	3
TR45/ 04.03.03.02 TR45/ 04.03.03.02a	TR-45 Meeting Report of December 3, 2003 TR-45 Meeting Report of December 18, 2003	J. Brownley Secretary	6
TR45/ 04.03.03.03R1	TR-45 Committee Correspondence	J. Brownley Secretary	7
TR45/ 04.03.03.04	TR-45 Standards Program Report	J. Alphonse TR-45 Program Mgr	8l
TR45/ 04.03.03.05	Subcommittee TR45.2 Report	L. Young Chair TR45.2	8b, 13b
TR45/ 04.03.03.06	Report of TR45.3 to TR45	P. Musgrove Chair TR45.3	8c, 13b
TR45/ 04.03.03.07R1	TR45.4 Report	G. Turnipseed Chair TR45.4	8d, 13b
TR45/ 04.03.03.08	TR45.5 Report	J. Alphonse Chair TR45.5	8e, 13b
TR45/ 04.03.03.09	TR45.6 Report to TR45	P.Yegani Chair TR45.6	8f, 13b
TR45/ 04.03.03.10R1	AHAG Report	F. Quick Chair AHAG	8g
TR45/ 04.03.03.11	AHG on UIM/ESN/MEID Report	G. Pellegrino, Chair AHG on UIM/ESN/MEID	8i
TR45/ 04.03.03.12	ESN Administrator's Report	B.Belt ESN Administrator	8i
TR45/ 04.03.03.13	AHG on LAES Report	T.Brooks Chair AHG on LAES	8j
TR45/ 04.03.03.14	AHG on Electronic Media Documentation (AHM) Report	P. Nurse Chair AHM	8h

TR45/ 04.03.03.15	Explanation of Different Prefixes and Designations in TIA Publications	S.Hoyler TIA Liaison	9a
TR45/ 04.03.03.16	TR45 Committee Correspondence Re: ITU-T SG4 LS on Q18/4 OAM&P Security Requirements for Management Plane	J. Brownley Secretary	8g, 10c
TR45/ 04.03.03.17	ITU-T Liaison Report	D.Thompson ITU-T Liaison	11b
TR45/04.03.03.18	TIA Usage of Addendum and Erratum	S.Hoyler TIA Liaison	9e
TR45/ 04.03.03.19	WCD Report	B.Belt TIA WCD Liaison	11e
TR45/ 04.03.03.20	WCD TRIC Report	B.Belt TIA WCD Liaison	11f
TR45/ 04.03.03.21	TIA Standards Department Report	S.Hoyler TIA Liaison	11g
TR45/ 04.03.03.22	3GPP2 Liaison Report	G. Flynn 3GPP2 Liaison	11h
TR45/ 04.03.03.23	cdma2000 <sup>1®</sup> usage memo	S.Hoyler TIA Liaison	9d
TR45/ 04.03.03.24	cdma2000 <sup>®</sup> summary chart	S.Hoyler TIA Liaison	9d
TR45/ 04.03.03.25	TR45 Committee Correspondence Re: Publication of J-STD-025-B	J.Brownley Secretary	8j
TR45/ 04.03.03.26	TR45 Committee Correspondence Re: Populating the JIP	J.Brownley Secretary	10e
TR45/ 04.03.03.27	TR45 Committee Correspondence Re: TIA Emergency/Security Compendium	J.Brownley Secretary	9h
TR45/ 04.03.03.28	TR45 Committee Correspondence Re: TIA Project Number Assignment	J.Brownley Secretary	11g
TR45/ 04.03.03.29	TR45 Committee Correspondence Re: NGN Projects	J.Brownley Secretary	10d
TR45/04.03.03.30	TR-45 Report to December 17, 2003 TIA Technical Committee Meeting	C. Blum Chair	11g
TR45/ 04.03.03.31	Except from December 17, 2003 TIA Technical Committee Meeting Report	C. Blum Chair	10a, 11g
TR45/ 04.03.03.32R2	TIA TR-45 Process for Balloting 3GPP2 Specifications	S. Hoyler TIA Liaison	9f
TR45/ 04.03.03.33	3GPP Liaison Report	P.Musgrove 3GPP Liaison	11i
TR45/03.09.03.25	TR45 Committee Correspondence Re: Liaison Statement on Status of ITU-T Draft Rec. Q.SNFB	J.Brownley Secretary	9b
TR45/03.09.03.26	TR45 Committee Correspondence Re: Request to SDOs for Q.1742.3 Publication Status	J.Brownley Secretary	9c
TR45/ 03.12.03.18R2	Usage of cdma2000 <sup>®</sup> trademark and certification mark in TIA documents and by third parties	S.Hoyler TIA Liaison	9d
TR45/ 03.12.03.36	TR45 Committee Correspondence Re: -ref TIA documents	J.Brownley Secretary	9c

<sup>1</sup> cdma2000<sup>®</sup> is a registered trademark of the Telecommunications Industry Association (TIA –USA). When applied to goods and services, the cdma2000<sup>®</sup> mark certifies their compliance with cdma2000<sup>®</sup> standards.

TR45/ 03.12.03.30	TR45 Committee Correspondence Re: TIA Addendums	J.Brownley Secretary	9e
TR45/ 03.12.03.42	TR45 Committee Correspondence Re: New 3GPP2 Publication Process	J.Brownley Secretary	9f
TR45/ 03.12.03.35	TR45 Committee Correspondence Re: Emergency Communications	J.Brownley Secretary	9h

6. The meeting reports of December 03, 2003 numbered TR45/04.03.03.02 and of December 18, 2003 numbered TR45/04.03.03.02a were reviewed. A motion was made and passed with no objections to approve the meeting reports with the following modifications.

Relative to Document .02

Change the page numbering from “of 9” to “of 11” throughout the document header.

Change “December, 3, 2004” to “December 3-4, 2004” on page 1.

Change “the TR-45 Network Reference Model (NRM)” to “IP Network Reference Model for cdma2000 “ in page 7, section 8k.

Change “P.Nurse” to “It was” in page 8, section 9d.

Change “3GGP2” to “3GPP2” in page 8, section 9d.

Change “P.Nurse” to “Someone” in page 10, section 11, number 26.

Relative to Document.20a

Add “Recommendation to Update Ad-Hoc Group Name” as section 7b under new business on page 3.

Add “It was recommended and agreed that the ESN/UIM Ad-Hoc Group would be renamed the ESN/UIM/MEID Ad-Hoc Group (EUMAHG).” in page 3, section 7b.

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

- **Documents .03R1 and .03a** - The correspondence was provided for information.

## 12. Review Meeting Schedules

- a. **TR-45 2004 Schedule** – It was agreed that the December 2004 Committee TR-45 meeting would relocate from Orlando, FL to HI to facilitate member travel. In addition, it was agreed that the meeting dates would remain the same to possibly accommodate a co-located TIA Wireless Communications Division meeting.
8. The following Subcommittee and Ad-Hoc Group reports were provided:
- a. **TR-45.1 Subcommittee** – It was reported that the former TR-45.1 Chair was contacted to locate softcopies of any TR-45.1 legacy documents. There is the need to locate SP-3-4658 (i.e., to upgrade IS-89 to ANS status) for ballot by TR-45.
  - b. **TR-45.2 Subcommittee** – L.Young of Sprint was introduced as the newly elected Chair of TR-45.2. L.Young provided Document .05 as the written report. Regarding the proposed updates to the scope and charter of TR-45.2, it was suggested that the relationship of the relevant TR-45 sub-groups to specific 3GPP2 TSGs should be incorporated into the relevant sub-group scopes and charters. Regarding a recommendation to change the name of TR-45.2, it was agreed to address the proposed name change after all Subcommittee scopes and charters were addressed later in the meeting.
  - c. **TR-45.3 Subcommittee** – On behalf of P.Musgrove, B.Daly provided Document .06 as the written report. The ANSI publication of Revision E of TIA/EIA-136 was noted. Regarding the RSPC update for TDMA-SC, TR-45.3 agreed to use transposition information provided in a liaison from T1P1 as a basis for a joint submission to ITU-R WP8F before the 31 May 2004 deadline. It was noted that no changes to the TR-45.3 scope and charter were proposed. TR-45 took an action item to investigate the status of PN-3610RV2 (to be published as TSB-70A) regarding the updated reference to 136-E. TR-45 planned to contact J.Kay (former TR-45.1 Chair) and B. Zidek-Conner of TIA regarding PN-3610RV2.

- d. **TR-45.4 Subcommittee** – G.Turnipseed of Sprint was introduced as the newly elected Chair of TR-45.4. G.Turnipseed provided Document .07 as the written report. It was reported that D.Ott of Qualcomm was re-elected Vice-Chair of TR-45.4 in February 2004. Regarding MEID standards development in TR-45.4, baseline was targeted for April 2004 with completion planned in 3Q04. TR-45 formally expressed its heartfelt thanks and appreciation to D.Baldwin for his years of commitment and service to TR-45.4 as the former TR-45.4 Chair.
- e. **TR-45.5 Subcommittee** – J.Alphonse provided Document .08 as the written report. It was noted that a number of documents were published since the last meeting of TR-45. It was reported that TR-45.5 did forward correspondence to ITU WP 8F on the roadmap for cdma2000<sup>®</sup>. It was also noted that recent work in TR-45.5 was focused on the completion of the TIA-2000 Series Rev. D ballot comments and that comments were resolved amicably and the Series were forwarded to TIA for publication. Regarding the TR-45.5 scope and charter, plans are to address the TR-45.5 scope and charter at the upcoming TR-45.5 meeting.
- f. **TR-45.6 Subcommittee** – P.Yegani provided Document .09 as the written report. It was noted that TR-45 did not object to TR-45.6 using the TR-45 PN to further work on VoP LAES for cdma2000 wireless IP network. Nevertheless, TR-45 questioned the need for TR-45.6 to work VoP LAES in light of the understanding that the work would be a joint effort with the TR-45 LAES AHG. TR-45 stated that the TR-45 LAES AHG is and will continue to be responsible for the development for PN-4465 and revisions. TR-45 strongly re-iterated from the review of assignments number 11 in Document .02 to encourage “... *co-located meetings with LAES and the other SME in the relevant groups (i.e., TR45.6 and TR45.2) to facilitate expediting this work by having the TR-45.6 and TR-45.2 experts contribute directly to the work of TR-45 LAES ...*”. Regarding MEID standards development status, TR-45.6 plans to evaluate the impact and if there is an impact develop a workplan. It was mentioned that there was correspondence incoming to TR-45.6 related to charging and accounting that would be addressed at the next TR-45.6 meeting.
- g. **Ad Hoc Authentication Group (AHAG)** – F.Quick provided Document .10R1 as the written report. TR-45 took an action item to work with TIA to ensure that documents developed in 3GPP2 TSG-S related to security are provided to TR-45 for distribution to the appropriate TR-45 Subcommittees and AHGs. Regarding Document .16 on ITU-T Q18/4 OAM&P Security Requirements for Management Plane, it was noted that the AHAG plans to develop proposed correspondence to ITU-T for TR-45 approval at an interim TR-45 plenary conference call scheduled for Tuesday 06 April 2004 at 2:00 PM Eastern Time. It was reported that the AHAG appointed Mike Marcovici of Lucent as its Vice-Chair. The AHAG agreed to request a PN for the development of TIA-946-A. It was suggested that the two 3GPP2 security framework documents (i.e., BCMCS Security Framework and IMS Security Framework) be published as TSBs. The AHAG will determine the suitability for TSBs or incorporation as informative sections into other TIA document. The AHAG provided a revised AHAG scope and charter. The AHAG scope and charter will be addressed along with discussion of the other AHGs’ and Subcommittees’ scopes and charters later during the meeting.
- h. **AHG on Electronic Media Documentation (AHM)** – P.Nurse provided Document .14 as the written report. S.Hoyler and P.Nurse to work with J.West of TIA to investigate the administration of an electronic sign-in for TR-45. Nextel indicated that a web-based calendar is very doable. Considering that three companies (i.e., Nextel, Nortel, and Lucent) expressed interest in implementing a web-based calendar, the AHM work item on web-based calendar will be addressed. TIA to generate alternative proposals for internet access at TR-45 meetings for the next TR-45 meeting in June 2004. At some future TIA TSSC meeting, TR-45 plans to share Document .14 for information.

The Committee recessed for a break at 03:30 PM and reconvened at 03:45 PM.

- i. **AHG on UIM/ESN/MEID** – G.Pellegrino provided Document .11 with attachments .11a through .11d as the written report as follows.
  - Document .11a provided an updated version of the TIA MEID presentation.
  - Document .11b provided a draft document of FAQ regarding MEID for industry use.

- Document .11c provided a milestone and timeline working document to track MEID initiatives.
- Document .11d provided a proposed AHG Scope and Charter for TR-45 endorsement.

TR-45 requested that TIA establish a website link for posting MEID-related documents. It was agreed that the AHG would post a broiler-plate version of the industry letter as well as the milestone and timeline working document on the MEID website. The AHG agreed to draft correspondence to the UIM Administrator with the suggestion that in anticipation of UIM ID exhaust that a plan needs to be developed that may consider pseudo UIM IDs. It was agreed that the GHA portion of the MEID Guidelines will also be posted on the MEID website by the AHG.

- **ESN Administration** – J.Derr presented Document .12 as the written report. It was reported that based on the present ESN assignment rate over the last 12 months the projected exhaust timeframe is 3Q05. However, it was stressed that a more conservative and realistic ESN exhaust timeframe is 1Q05. On-Star approached TIA about attending TR-45 meetings to better understanding the implications of MEID. TIA agreed to address the On-Star request. TR-45 noted that On-Star does have a material interest in ESN exhaust.
- j. **AHG on LAES** – T.Brooks provided Document .13 with attachments .13a through .13d as the written report. Attention was drawn to page 3 of Document .13 relative to the sentence, “*CIU indicated that the SA3 LI is not, in their opinion, allowed to meet with TR-45 LAES because the work does overlap.*” It was stated by CIU at the TR-45 meeting on 03 March 2004 that “*CIU opposed a joint meeting between 3GPP SA3 LI and TR-45.LAES.AHG for a variety of reasons.*” It was agreed by TR-45 without objection for the TR-45 LAES AHG to send J-STD-025-B for a 60-day ANSI ballot. It was agreed by TR-45 without objection for the TR-45 LAES AHG to convert both of the new projects (originally approved at the TR-45 meeting in June 2003) to ANSI project numbers. It was agreed without objection for TR-45 to send the correspondence in Document .13a to CIU as amended. It was requested that TIA presentations to the FCC such as in Document .13d be provided to TR-45 for review prior to presentation. It was suggested that such a policy be put in place by TIA. Furthermore, it was suggested that the TIA WCD should address such a policy. TR-45 agreed to present this issue to the WCD at its next meeting on March 4, 2004. Documents .13b, .13c, .13d, and .25 were provided for information.
- k. **TR-45 Network Architecture Group (NAG)** – There was no report. The NAG remains dormant.
- l. **TR-45 Standards Development Program Report** – J.Alphonse provided Document .04 as a draft of the newly formatted TR-45 program report. All of the Subcommittees were encouraged to provide input to J.Alphonse prior to the next TR-45 meeting in June 2004.

The Committee recessed at 06:30 PM Local Time on Wednesday March 3, 2004 and re-convened at 08:10 AM Local Time on Thursday March 4, 2004.

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

- a. **Usage of the Terms ANS/TIA/EIA in Document Titles**  
Document .15 was remanded to the Subcommittees and AHGs to take action as appropriate. A concern was raised regarding updates to multiple part documents such that some parts will not be updated and retain the EIA while other updated parts would remove the EIA. In addition, concern was raised regarding the impact to global references to TIA documents such as in the ITU. TIA agreed to address these concerns regarding multiple part documents, global references to multiple part documents, and provide clarification to TR-45 by mid-April 2004.
- b. **TR-45.6 Comments on ITU-T SSG Draft Recommendation Q.SNFB**  
Document TR45/03.09.03.25 was provided for information. It was noted that TR-45.6 does have comments that would be provided at the next TR-45 meeting in June 2004.
- c. **3GPP2 / TIA Publication Cross-Reference Numbering**  
Documents TR45/03.09.03.26 and TR45/03.12.03.36 were provided for information. Considering that the 3GPP2 document numbering scheme is tied to the names of the 3GPP2 developing groups, thoughts are that approaching 3GPP2 to change its number scheme was not an option. So it was suggested that

the new numbering scheme action item should be dropped. Therefore, an alternate method to map and track 3GPP2 specifications to TIA publications would be needed. It was recommended that the relevant TR-45 Subcommittee and AHG Chairs issue PN requests at the initiation of 3GPP2 work items. And, that the PN requests indicate that the PN is a candidate for 3GPP2 transposition. S.Hoyler agreed to run this recommendation by the appropriate TIA Staff. J.Alphonse was asked to include additional columns in the newly formatted TR-45 program management report to track 3GPP2 and TIA document numbers.

d. **cdma2000® trademark usage**

Documents .23 and .24 were remanded to the Subcommittees and AHGs to take action as appropriate on the use of the cdma2000® trademark and certification mark. It was noted that Document .23 supercedes Document TR45/03.12.03.18R2. Document .23R1 will be provided to the Subcommittees and AHGs by TIA and named as such. After consultation with TIA Staff, Document .24R1 will be provided to the Subcommittees and AHGs by TIA, if an update to the table is warranted. Once again, TIA took an action item to clarify the meaning and intent of the clause “certifies their compliance” in the footnote.

e. **TIA Addenda**

Document .18 was provided for information on TIA usage of addendum and erratum as well as the distinctions between addendum and revisions. It was reported that TIA continues to research the usage of the terms (e.g., amendment, corrigendum, addendum, errata) by other similar standards developers (ITU, IEC, JTC1, IEEE, Committee T1, ATIS) and plans to make a recommendation to the TIA Engineering Manual Ad Hoc on recommended TIA usage of the terms. Once again, TIA took an action item to investigate the ANSI guidelines regarding addenda that contain extensive changes to documents. It was suggested that during the upcoming GSC meeting that other SDOs be approached relative to their usage of addenda. It was recommended that an online tracking system be used to manage multiple versions of documents. In addition, it was suggested that there is the need to investigate the implications of submission to ITU related to enhanced addenda. Document TR45/03.12.03.30 was provided for information.

f. **3GPP2 Publication Process Relationship to TR-45**

Document .32, on the TIA TR-45 process for balloting 3GPP2 specifications, was discussed. Based on the discussion, an updated version in Document .32R1 was provided. The TIA WCD has expressed interest in ensuring and maintaining the integrity of the TIA processes. So, it was suggested that Document .32R1 be raised to the TIA WCD as a TR-45 recommendation for the TIA WCD to consider in its development of TIA guidelines. It was agreed that Document .32R2 (the merger of Documents .32R1 and .32a) would be provided as a proposal to the TIA WCD for consideration as recommended guidelines and for circulation to TIA Staff for review. Ultimately, the WCD endorsed TIA process for balloting 3GPP2 specifications would be shared with the TR-45 Subcommittees under a TIA WCD cover letter. Document TR45/03.12.03.42 was provided for information.

g. **MEID Standards Development Status**

The status of MEID standards development was addressed during the previous Subcommittee and AHG reports under agenda item 8. The question was raised whether MEID Stage 1 developed in 3GPP2 would be balloted and published by TR-45. Concern was raised that since TR-45.3 and TR45.5 have already published MEID standards that it is too late to now ballot and publish the Stage 1. TR-45.2 agreed to review the issue at their next meeting and to provide a recommendation for TIA balloting of the MEID Stage 1.

h. **TIA Emergency/PS & Security Compendium**

Documents TR45/03.12.03.35 and TR45/04.03.03.27 were provided for information.

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

a. **TR-45 Leadership Elections**



George Turnispeed of Sprint was confirmed as the newly elected Chair of TR-45.4. Larry Young of Sprint was confirmed as the newly elected Chair of TR-45.2 to fill the remaining term vacated by the resignation of Chuck Ishman whose term would have ended in August 2004. David Ott of Qualcomm was re-elected as the Vice-Chair of TR-45.4. The AHAG appointed Mike Marcovici of Lucent as its new Vice-Chair. Document TR45/04.03.03.31 was provided for information relative to the TIA Technical Committee support for odd/even year elections as well as guidelines for filling a remaining term of office.

b. **TR-45 Input to May 2004 GSC Meeting**

The next Global Standards Collaboration (GSC) meeting will be held in Seoul, S. Korea 9-14 May 2004. TIA will be the prime and take the lead on three topics - Emergency Communications; Security and Lawful Interception; and Ad-Hoc Networking (such as in disaster situations.) The TR-45 Subcommittees will be contacted to provide assistance to provide information for TIA presentations at the GSC. C.Blum agreed to provide more detailed information on the planned GSC activities via the TR-45 exploder.

c. **ITU-T Q18/4 OAM&P Security Requirements for Management Plane**

The ITU-T Q18/4 OAM&P security requirements for management plane were discussed previously during the AHAG Report under agenda item 8g. Document .16 was provided for information.

d. **NGN Fixed/Mobile Network Architecture Convergence**

Document .29 was provided for information for consideration. It was reported that work on NGN convergence might be addressed in the ITU or in a new Partnership Project. It was noted that NGN convergence is more than a network issue. For instance, the use and/or allocation of fixed wireless spectrum are related issues. NGN convergence is important to TR-45 and TIA. TR-45 members expressed interest in leveraging existing mobile wireless technology work. It was suggested that enhancements to the TR-45 scopes and charters might need to be considered as it relates to NGN convergence.

Plans are to raise the TR-45 interest to the TIA Technical Committee (TC) and/or WCD (since the issue crosses TIA Engineering Committees such as TR-8, TR-30, and TR-41) to inform the TC that TR-45 wants TIA to be involved and the TIA needs a NGN convergence work program. Considering that NGN convergence would be raised at the upcoming GSC meeting in May 2004 in S. Korea, it would be a good idea to have a TIA plan prior to the meeting. Furthermore, it was recommended that once there is a TIA position that it be shared with TSSAC of Canada so that a unified position can be supported at GSC.

e. **Jurisdiction Information Parameter (JIP) in NIIF Reference Document**

Document .26 provided for information. Regarding the output of the March 2004 NIIF meetings related to the TR-45 correspondence on the Jurisdiction Information Parameter (JIP), C.Blum to work with G.Flynn to see if the TR-45 concerns were addressed adequately and address any outstanding issues.

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 noted Document .17 as the written report for information.

c. **ITU-R** – There was no report. Nevertheless, it was noted that input from TR-45.3 and TR-45.5 were accepted at the recent Working Party (WP) 8F meeting in S. Korea. In addition, it was reported that WP 8F received a Liaison from WP 8A proposing an update to M.1073. WP 8F responded by proposing an update that replaced all the Annexes in M.1073 with a single reference to an SDO developed document in a manner similar to that used in M.1457. In addition, both the Mitigation Report and M.1457-4 were approved. WP 8F has begun working toward M.1457-5.

d. **CITEL** – There was no report. Bill Belt graciously volunteered to serve as the CITEL Liaison and provided a brief verbal report on recent CITEL activities.

e. **Wireless Communications Division (WCD)** – B.Belt presented Document .19 as the written report. It was noted that the WCD would meet immediately following the TR-45 meeting.

- f. **Technical Regulatory Issues Committee (TRIC)** – B.Belt presented Document .20 as the written report.
  - g. **TIA** – S.Hoyler provided Document .21, the meeting report of the TIA Technical Committee (TC) held on Tuesday 17 December 2003. The decisions reached by the TIA TC (Document .31) relative to TR-45 requests (Document .30) were reviewed. A key point noted was that the proposed updated TIA IPR policy would be approved shortly pending ballot comment resolution. As a result of TIA leadership training held on Tuesday 02 March 2004, TR-45 took an action item to provide clarification on gaining and losing voting rights at meetings as well as adding or dropping from meeting quorum. TR-45 agreed to distribute the document to the TR-45 Subcommittee Chairs for acceptance after TIA (D.Bart) review. The document would subsequently be remanded to the Subcommittees at the next TR-45 meeting in June 2004. Document .28 was provided for information.
  - h. **3GPP2** – G.Flynn provided Document .22 as the written report. It was noted that the 3GPP2 Publication Process would be published pending successful closure of an open question regarding “regional and regulatory requirements”. In addition, the OPs approved and signed the 2004 funding agreement. Regarding new business, it was reported that the International 450 Association was seeking MRP status in 3GPP2 and was invited to the next OP meeting in mid-June 2004 in Warsaw, Poland.
  - i. **3GPP** – On behalf of P.Musgrove, B.Daly provided Document .33. It was noted that 3GPP plans final freeze of Release 6 in either September or December 2004.
  - j. **ATIS** – There was no report. Nevertheless, B.Belt indicated that TIA continues to pursue establishing a contact/liaison with ANSI C.6319. TR-45 continued to encourage TIA to establish a relation with ANSI C.6319 as well as with the ATIS incubator program on Hearing Aid Compatibility (HAC.)
14. In review of assignments, a summary of the assignments are as follows:
- 1. During the TR-45.3 Report, TR-45 took an action item to investigate the status of PN-3610RV2 (to be published as TSB-70A) regarding the updated reference to 136E. TR-45 to contact J.Kay (former TR-45.1 Chair) and B. Zidek-Conner of TIA.
  - 2. TR-45 took an action item to work with TIA to ensure that documents developed in 3GPP2 TSG-S related to security are provided to TR-45 for distribution to the appropriate TR-45 Subcommittees and AHGs.
  - 3. Regarding Document .16 on Security Requirements for Management Plane, it was noted that the TR-45 AHAG plans to develop proposed correspondence to ITU-T for TR-45 approval at an interim TR-45 plenary conference call to be held on Tuesday 06 April 2004 at 2:00 PM Eastern Time.
  - 4. The AHAG agreed to request a PN for the development of TIA-946-A.
  - 5. Regarding the TIA publication of the two 3GPP2 framework documents (i.e., BCMCS Security Framework and IMS Security Framework), the TR-45 AHAG agreed to determine the suitability for publication as TSBs or for incorporation as informative sections into other TIA documents.
  - 6. S.Hoyler and P.Nurse to work with J.West of TIA to investigate the administration of an electronic sign-in for TR-45.
  - 7. TIA to investigate and provide alternative proposals for internet access at TR-45 meetings.
  - 8. At some future TSSC meeting, TR-45 to share Document .14 for information.
  - 9. TR-45 requested that TIA establish a website link for posting MEID-related documents.
  - 10. The EUMAG agreed to post a broiler-plate version of the industry letter as well as the milestone and timeline working document on the MEID website. In addition, the GHA portion of the MEID Guidelines will be posted on the MEID website by the EUMAG.

11. The EUMAG agreed to draft correspondence to the UIM Administrator with the suggestion that in anticipation of UIM ID exhaust that a plan needs to be developed that may consider pseudo UIM IDs.
12. Considering that On-Star has a material interest in ESN exhaust, TIA to address the On-Star request to attend TR-45 meetings to better understanding the implications of ESN exhaust.
13. It was agreed by TR-45 without objection for the TR-45 LAES AHG to send J-STD-025-B for a 60-day ANSI ballot.
14. It was agreed by TR-45 without objection for the TR-45.LAES.AHG to convert both of the new projects (originally approved at the TR-45 meeting in June 2003) to ANSI project numbers.
15. It was agreed without objection for TR-45 to send the correspondence in Document .13a to CIU as amended.
16. All of the Subcommittees Chairs were encouraged to provide input to J.Alphonse for the TR-45 Standards Development Program Report prior to the next TR-45 meeting in June 2004.
17. Document .15, regarding the usage of the terms ANS/TIA/EIA in document titles was remanded to the Subcommittees and AHGs to take action as appropriate.
18. TIA to address the concerns raised regarding title updates to a subset of multiple part documents and global references to these documents and provide clarification by mid-April 2004
19. TR45.6 to provide its comment related to ITU-T SSG Draft Recommendation Q.SNFB at the next TR-45 meeting in June 2004.
20. Subcommittee Chairs were encouraged to issue a TIA PN request at the same time that the 3GPP2 work item is initiated to facilitate the mapping and tracking of 3GPP2 specifications and TIA standards.
21. TIA to consider the recommendation that PN request indicate that the PN is a candidate for 3GPP2 transposition.
22. J.Alphonse was asked to include additional columns in the newly formatted TR-45 program management report to map and track 3GPP2 and TIA document numbers.
23. Documents .23 and .24 were remanded to the Subcommittees and AHGs to take action as appropriate relative to the use of cdma2000<sup>®</sup> trademark and certification mark. TIA to provide Document .23R1 to the Subcommittees and AHGs with the document named and numbered as such. In addition, pending consultation with TIA Staff, Document .24R1 will be provided to the Subcommittees and AHGs by TIA, if an update to the table is warranted
24. TIA to follow-up on the action items carried forward from the December 03, 2004 TR-45 meeting held in Houston, TX to clarify the meaning and intent of the clause “certifies their compliance” in the cdma2000<sup>®</sup> trademark footnote.
25. Once again, TIA took an action item to investigate the ANSI guidelines regarding extensive changes to documents (per assignment 33 on page 11 of Document .02.)
26. TR-45 to provide Document .32R2, the TIA TR-45 process for balloting 3GPP2 specification, to the TIA WCD as a TR-45 recommendation for the TIA WCD to endorse as the TIA WCD policy and guidelines.
27. TIA agreed to circulate Document .32R2 to the appropriate TIA Staff for review and comment.

28. The final version of the TIA TR-45 process for balloting 3GPP2 specification under a TIA WCD letter will be provided by TIA to the Subcommittees by COB on Friday 12 March 2004 in time for the meetings next week in Vancouver.
29. The Committee and Subcommittees were directed to hold leadership elections in 2004 as listed in the following table.

Group	Position	Election Date
Committee TR-45	Chair	12-2004
Subcommittee TR-45.2	Chair	08-2004
Subcommittee TR-45.2	Vice-Chair	08-2004
Subcommittee TR-45.6	Chair	09-2004
Subcommittee TR-45.6	Vice-Chair	12-2004

30. Regarding the upcoming GSC meeting in May 2004 in S.Korea, C.Blum to provide more information on the planned GSC activities to the Chairs and the entire TR-45 exploder.
31. Regarding the NGN Fixed/Mobile Network Architecture Convergence initiatives underway, TR-45 to raise its concerns and interest to the TIA Technical Committee and/or TIA WCD that TIA should to be involved and that a work program is needed since such convergence crosses multiple TIA Engineering Committees such as TR-8, TR-30, TR-41, etc.
32. It was agreed that once there is a TIA position on NGN Fixed/Mobile Network Architecture Convergence that the TIA position would be shared with TSSAC of Canada so that a unified position could be supported at GSC in May 2004.
33. Regarding the output of the March 2004 NIIF meetings related to the TR-45 correspondence on the Jurisdiction Information Parameter (JIP), C.Blum to work with G.Flynn to see if the TR-45 concerns were addressed adequately and address any outstanding issues.
34. As a result of the TIA Leadership training, TR-45 took an action item to provide clarification and consistent practices across TR-45 and its subgroups on gaining & losing voting rights at meetings as well as adding or dropping from meeting quorum. TR-45 will distribute the document to the Chairs for acceptance after D.Bart review then remand to the Subcommittees at the next TR-45 meeting in June 2004.
35. Regarding the Organization for Economic Co-Operation and Development (OECD), C.Blum to raise the issue of the OECD addressing 3G mobile services and migration to the TIA WCD as a potential policy concern.
15. Review Meeting Schedules, continued
- a. **TR-45 2004 Schedule** – It was agreed that the December 2004 Committee TR-45 meeting would relocate from Orlando, FL to HI to facilitate member travel. In addition, the TR-45 December 2004 meeting dates would remain the same to possibly accommodate a co-located TIA WCD meeting. A location on the U.S. west coast, such as Los Angeles, CA, was suggested as a fallback location.
  - b. **Subcommittees and AHG 2004 Schedules** - Documents .05, .06, .07R1, .08, and .09 were provided for information.
15. Open Discussion

Attention was drawn to the analysis of the development of 3G mobile services and migration in the Organization for Economic Co-Operation and Development (OECD) countries. A copy of the OECD paper was provided for information. C.Blum agreed to raise the issue to the TIA Wireless Communication Division (WCD) to address as a potential policy concern.

It was agreed that there would be a conference call of the TR-45 Chairs to address open issues such as the scopes and charters.

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 11:22 AM local time March 4, 2004.

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:** Wednesday, March 3, 2004 to Thursday, March 4, 2004  
**Time:** Convene at 1:00 PM Local Time  
Adjournment at approximately 12:00 PM Local Time  
**Location:** Hilton Phoenix East/Mesa  
1011 West Holmes Avenue  
Mesa, AZ 85210  
Web: [www.phoenixeastmesa.hilton.com](http://www.phoenixeastmesa.hilton.com)  
**Telephone:** 480-833-5555  
**FAX:** 480-649-1886  
**Rate:** \$149.00  
**Cut-off:** February 10, 2004  
**EDC Cut-off:** February 25, 2004 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
2. Attendance Registration & Roll Call
3. Agenda Review & Approval (TR45/04.03.03.01R2)
4. Early Disclosure Policy (see the revised Note 3 below).
5. Introduction of Contributions & Numbering (Please see Note 2 below.)
6. Review of Meeting Report from Previous Meetings, Secretary (TR45/04.03.03.02)
7. Correspondence (TR45/04.03.03.03R1)
8. Reports
  - a. TR45.1 Subcommittee, *Vacant*
  - b. TR45.2 Subcommittee, L.Young (TR45/04.03.03.05)
  - c. TR45.3 Subcommittee, P.Musgrove (TR45/04.03.03.06)
  - d. TR45.4 Subcommittee, G.Turnipseed (TR45/04.03.03.07R1)
  - e. TR45.5 Subcommittee, J.Alphonse (TR45/04.03.03.08)
  - f. TR45.6 Subcommittee, P.Yegani (TR45/04.03.03.09)
  - g. Ad Hoc on Authentication Group (AHAG), F.Quick (TR45/04.03.03.10R1), (TR45/04.03.03.16)
  - h. AHG on Electronic Media Documentation (AHM), P.Nurse (TR45/04.03.03.14)
  - i. AHG on ESN/UIM/MEID (EUMAG), G.Pellegrino (TR45/04.03.03.11)
    - ESN Administrator Report, B.Belt (TR45/04.03.03.12)
  - j. AHG on LAES, T.Brooks (TR45/04.03.03.13), (TR45/04.03.03.25)
  - k. Network Architecture Ad-Hoc Group (NAG), *Vacant*

Note 1: Recesses may occur at any point in the agenda, when necessary, for breaks, meals, and recessing for the day.

Note 2: Contributions uploaded to the TIA ftp site by the cut-off date will not be distributed via paper copy at the meeting. Contributions not uploaded prior to the cut-off date must be provided in paper copy at 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@tia.eia.org](mailto:smontgomery@tia.eia.org)

Organization: TIA Engineering Committee TR-45  
Mobile & Personal Communications Standards (TR-45)  
Date: Wednesday, March 3, 2004 to Thursday, March 4, 2004  
Time: Convene at 1:00 PM Local Time  
Adjournment at approximately 12:00 PM Local Time

### AGENDA (cont'd)

1. TR-45 Standards Development Program Report, J.Alphonse (*TR45/04.03.03.04*)
9. Old Business
  - a. Usage of the Terms ANS/TIA/EIA in Document Titles (*TR45/04.03.03.15*)
  - b. TR-45.6 Comments on ITU-T SSG Draft Recommendation Q.SNFB (*TR45/03.09.03.25*)
  - c. 3GPP2 / TIA Publication Cross-Reference Numbering (*TR45/03.09.03.26*), (*TR45/03.12.03.36*)
  - d. cdma2000<sup>®</sup> trademark usage (*TR45/03.12.03.18R2*), (*TR45/04.03.03.23*), (*TR45/04.03.03.24*)
  - e. TIA Addenda (*TR45/03.12.03.30*), (*TR45/04.03.03.18*)
  - f. 3GPP2 Publication Process Relationship to TR45 (*TR45/03.12.03.42*), (*TR45/04.03.03.32R2*)
  - g. MEID Standards Development Status
  - h. TIA Emergency/PS & Security Compendium (*TR45/03.12.03.35*), (*TR45/04.03.03.27*)
10. New Business
  - a. TR-45 Leadership Elections (*TR45/04.03.03.31*)
  - b. TR-45 Input to May 2004 GSC Meeting
  - c. ITU-T Q18/4 OAM&P Security Requirements for Management Plane (*TR45/04.03.03.16*)
  - d. NGN Fixed/Mobile Network Architecture Convergence (*TR45/04.03.03.29*)
  - e. Jurisdiction Information Parameter (JIP) in NIIF Reference Document (*TR45/04.03.03.26*)
11. Liaison Reports
  - a. CTIA, R.Kemper
  - b. ITU-T, D.Thompson (*TR45/04.03.03.17*)
  - c. ITU-R, M.Epstein
  - d. CITEL, *Vacant*
  - e. Wireless Communication Division (WCD), B.Belt (*TR45/04.03.03.19*)
  - f. WCD Technical Regulatory Issues Committee (TRIC), B.Belt (*TR45/04.03.03.20*)
  - g. TIA, S.Hoyler (*TR45/04.03.03.21*), (*TR45/04.03.03.28*), (*TR45/04.03.03.30*), (*TR45/04.03.03.31*)
  - h. 3GPP2, G.Flynn (*TR45/04.03.03.22*)
  - i. 3GPP, P.Musgrove (*TR45/04.03.03.33*)
  - j. ATIS, E.Hall
12. Review Assignments
13. Review Meeting Schedules
  - a. TR-45 2004 Schedule
    - Jun 02-03 Chicago, IL
    - Sep 01-02 Arlington, VA (TIA Headquarters)
    - Dec 01-02 Orlando, FL
  - b. Subcommittee and AHGs 2004 Schedules (*TR45/04.03.03.05*), (*TR45/04.03.03.06*), (*TR45/04.03.03.08*), (*TR45/04.03.03.07R1*), (*TR45/04.03.03.09*)
14. Open Discussion
15. Adjournment

cdma2000<sup>®</sup> is a registered trademark of the Telecommunications Industry Association (TIA –USA). When applied to goods and services, the cdma2000<sup>®</sup> mark certifies their compliance with cdma2000<sup>®</sup> standards.

Note 3: 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.)