



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-45 Meeting Report

Date: 06/05/03

Location: Atlanta, Georgia

Approved: 06/25/03

T# 7298

**Telecommunications Industry Association
TR45 Committee
Mobile & Personal Communications Standards (TR45)
Report of Meeting
June 5, 2003
Sheraton Colony Square, Atlanta, GA**

Quorum List, Members Present

Member	Representative	Attendance	
		Last	Prior
1. Alltel	D. Gentzler	X	
2. Alps Electric	R. Miyano	X	X
3. AT&T Wireless Services	P. Musgrove	X	X
4. CDMA Development Group	S. Samra	X	
5. Cisco Systems	P. Yegani	X	
6. CommFlow Resources	G. Pellegrino	X	X
7. Ericsson	J. Ragsdale	X	
8. InterDigital Communications, Corp.	B. Kiernan	X	
9. Lucent Technologies, Inc.	F. O'Brien	X	X
10. Motorola, Inc.	C. Ishman	X	X
11. Nokia Mobile Phones	T. Brooks	X	X
12. Nortel Networks	G. Patel	X	X
13. Qualcomm	F. Quick	X	X
14. Rogers Wireless, Inc.	P. Oldfield	X	
15. Sprint	D. Baldwin	X	X
16. Toshiba	S. Sheldon	X	X
17. 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. ArrayComm, Inc.	J. Wilson		X
2. CommWorks Corporation, a 3Com Co	M. Borella		
3. ESTS (formerly, CIS)	D. Dohrmann		
4. NEC America, Inc.	S. Jones		X
5. Telcordia Technologies	M. Guza		

Others Present

Member	Representative
1. Bell South Telecommunications (observer)	R. McNealy
2. CTIA	R. Kemper

6. LG Infocomm U.S.A., Inc.	K. Kim
3. Lucent Technologies, Inc.	J. Alphonse
4. Lucent Technologies, Inc.	J. Brownley
5. Lucent Technologies, Inc.	P. Nurse
6. Nokia	S. Willhoff
7. Nortel Networks	R. Ryan
8. TIS1 Liaison (observer)	G. Ratta
9. T-Mobile (observer)	J. Nixon
10. TIA	S. Hoyler
11. Verizon Wireless	C. Carroll

[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 TR45 Committee was convened on June 5, 2003, at the Sheraton Colony Square, Atlanta, GA, at 09:00 AM local time.
 - G.Flynn/Vice-Chair TR45, on behalf of C.Blum/Chair TR45, called the meeting to order and welcomed the TR45 membership to Atlanta, GA.
- 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
TR45/03.06.05.01R2	Meeting Agenda	C. J. Blum Chair TR45	3
TR45/03.06.05.02	TR-45 Meeting Report of March 5,2003	J. Brownley Secretary	6
TR45/03.06.05.03	TR-45 Committee Correspondence	J. Brownley Secretary	7
TR45/03.06.05.04	Report of TIA Subcommittee TR45.1 to TIA Committee TR45	J. Kay Chair TR45.1	8a, 13b
TR45/03.06.05.05	Subcommittee TR45.2 Report	C.Ishman Chair TR45.2	8b, 13b
TR45/03.06.05.06	Report of TR45.3 to TR45	P. Nurse Chair TR45.3	8c, 13b
TR45/03.06.05.07	Engineering Subcommittee TR45.4 Report to TR45	D.Baldwin Chair TR45.4	8d, 13c
TR45/03.06.05.08	TR45.5 Report	J. Alphonse Chair TR45.5	8e, 13b
TR45/03.06.05.09	TR45.6 Report to TR45	P.Yegani Chair TR45.6	8f, 13b
TR45/03.06.05.10	AHAG Report	C. Carroll Chair AHAG	8g
TR45/03.06.05.11	AHG on UIM/ESN Report	C. Carroll Chair AHG on UIM/ESN	8i

TR45/03.06.05.12	ESN Administrator's Report	<u>B.Belt</u> ESN Administrator	8i
TR45/03.06.05.13	AHG on LAES Report	T.Brooks Chair AHG on LAES	8j
TR45/03.06.05.14	TR-45 Network Architecture Ad-Hoc Group (NAG) Report	C.Ishman Chair NAG	8k
TR45/03.06.05.15	TR45 Program Management Report	C.Blum	8l
TR45/03.06.05.16	ITU-T Liaison Report	D.Thompson ITU-T Liaison	11b
TR45/03.06.05.17	< No Contribution >	---	---
TR45/03.06.05.18	< No Contribution >	---	---
TR45/03.06.05.19	WCD Report	B.Belt TIA WCD Liaison	11e
TR45/03.06.05.20	WCD TRIC Report	B.Belt TIA WCD Liaison	11f
TR45/03.06.05.21	TIA Standards Department Report	S. Hoyler TIA Liaison	11g
TR45/03.06.05.22	3GPP2 Liaison Report	G. Flynn 3GPP2 Liaison	11h
TR45/03.06.05.23	< No Contribution >	---	---
TR45/03.06.05.24	< No Contribution >	---	---
TR45/03.06.05.25	TR45 Committee 2003 Meeting Schedule	J.Brownley Secretary	13a
TR45/03.06.05.26	TR45 Committee Correspondence Re: LAES	J.Brownley Secretary	8j
TR45/03.06.05.27	TR45 Committee Correspondence Re: J-STD-036	J.Brownley Secretary	8b
TR45/03.06.05.28	TR45 Committee Correspondence Re: Privatization of SID Administration	J.Brownley Secretary	10c
TR45/03.06.05.29	TR45 Committee Correspondence Re: HNI Assignment Coordination	J.Brownley Secretary	10d
TR45/03.06.05.30	TR45 Committee Correspondence Re: TDMA-SC Updates to M.14587-4	J.Brownley Secretary	8c
TR45/03.06.05.31	TR45 Committee Correspondence Re: T1M1's New Primary Method of Operation	J.Brownley Secretary	11j
TR45/03.06.05.32	TR45 Committee Correspondence Re: Posting of Commerical Encryption Source Code	J.Brownley Secretary	8g
TR45/03.06.05.33	TR45 Committee Correspondence Re: ITU-T SSG Recommendation Q.1742.2	J.Brownley Secretary	11b
TR45/03.06.05.34	TR45 Committee Correspondence Re: cdma2000® Trademark	J.Brownley Secretary	11g
TR45/03.06.05.35	TR45 Committee Correspondence Re: MEID and pseudo -ESN	J.Brownley Secretary	8i
TR45/03.06.05.36	TR45 Committee Correspondence Re: CDMA-MC updates to ITU-R WP 8F	J.Brownley Secretary	8e

TR45/03.06.05.37	TR45 Committee Correspondence Re: J-STD-025 Rev C	J.Brownley Secretary	8j
TR45/03.06.05.38	TR45 Committee Correspondence Re: MTP Network Code Assignments	J.Brownley Secretary	10f
TR45/03.06.05.39	GSC-8 Meeting Report to Committee TR45	J.Brownley Secretary	10e
TR45/03.06.05.40	Ballot of PN-3-0095, Enhanced Cryptographic Algorithms	F. Quick AHAG Vice-Chair	8g, 10b
TR45/03.06.05.41	TR45 Committee Correspondence Re: UIM ID Administration Report	J.Brownley Secretary	8i
TR45/03.06.05.42	TR45 Committee Correspondence Re: pseudo-ESN Derivation	J.Brownley Secretary	9a
TR45/03.06.05.43	ESN Administration Memo	B.Belt ESN Administrator	8i
TR45/03.06.05.44	ESN Administration Contact Information	B.Belt ESN Administrator	8i
TR45/03.06.05.45	TSB-39-A Ballot Comments	J.Brownley Secretary	10a
TR45/03.06.05.46	MEID Correspondence from AHAG	C. Carroll Chair AHAG	8g
TR45/03.06.05.47	Draft MEID Administration Guidelines	C. Carroll Chair AHAG	8i
TR45/03.06.05.48	TR-45 Committee 2004 Meeting Schedule	J.Brownley Secretary	13c
TR45/ 03.03.05.17	Derivation of pseudo-ESN	P. Nurse Chair TR45.3	9a
TR45/ 03.03.05.20R1	Cellular TDD in TIA	E. Jacks LinkAir	9d

6. The meeting report of March 5, 2003 numbered TR45/03.06.05.02 was reviewed. A motion was made and passed with no objections to approve the meeting report.

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

- **Document .03** - This correspondence was provided for information. It was reported that T.Brooks resigned as Chair of the TR45.2 Ad Hoc on Emergency Services Group. The Vice-Chair expressed appreciation and thanked T.Brooks for serving as Chair.

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

- a. **TR45.1 Subcommittee** – On behalf of J.Kay, C.Ishman presented Document .04 as the written report. It was reported that TIA/EIA/TSB-121-RV1 would be forwarded to TIA for publication as soon as the editor recovers the agreed to changes. In addition, it was noted that elections would be held in October 2003 for TR45.1 chair and vice-chair.
- b. **TR45.2 Subcommittee** – C.Ishman provided Document .05 as the written report with attachments .05a-.05e. TR45.2 recommended certificates of recognition to Ben Levitan and Terri Brooks for their dedication and commitment in support of the work of TR45.2. TR45 unanimously agreed to the recommendations. It was noted that the scope of TIA-756-A-2 in support of numbering resources precludes wireline particularly as it relates to number pooling and TLDNs. TR45 acknowledged the TR45.2 recommendation relative to pseudo-ESNs as reflected in Document .05a. Further discussion of pseudo-ESNs was deferred until agenda item 9a. Document .27 was provided for information.

- c. **TR45.3 Subcommittee** – P.Nurse provided Document .06 as the written report. It was noted that updates to M.1457 presented by TR45.3 at the last WP 8F meeting were adopted with some amendments. The Vice-Chair thanked TR45.3 for its successful submission to the ITU-R. Document .30 was provided for information.
- d. **TR45.4 Subcommittee** – D.Baldwin provided Document .07 as the written report. It was noted that MEID support would be incorporated in the Addendum to PN-4545 targeted for September 2003 provided that TR45.5 provides sufficient detail.
- e. **TR45.5 Subcommittee** – J.Alphonse provided Document .08 as the written report. Attention was drawn to the MEID discussion in the Committee correspondence in Document .42. Further discussion of pseudo-ESNs would be deferred until agenda item 9a. It was noted that updates to M.1457 presented by TR45.5 at the last WP 8F meeting were adopted. The Vice-Chair extended thanks to TR45.5 for its successful submission to the ITU-R. Document .36 was provided for information.
- f. **TR45.6 Subcommittee** – P.Yegani provided Document .09 as the written report. Attention was draw to the work in progress related to LAES. Further discussion related to LAES was deferred until agenda item 8j.
- g. **Ad Hoc Authentication Group (AHAG)** – C.Carroll provided Document .10 as the written report. Document .40 was provided regarding the ballot of PN-3-0095, Enhanced Cryptographic Algorithms (ECA). It was agreed to forward PN-3-0095 to TIA for publication as TIA-946. Documents .32 and .46 were provided for information.
- h. **AHG on Electronic Media Documentation** – There was no report.
- i. **AHG on UIM/ESN** – C.Carroll provided Document .11 as the written report. Document .47, the draft MEID Guidelines, was remanded to all Subcommittees for review and to provide comments to the UIM/ESN Ad-Hoc Group and TR-45 before the next TR-45 meeting in September 2003. The UIM/ESN Ad-Hoc Group was encouraged to continue to work closely with 3GPP2 relative to UIM and ESN. Documents .35 and .41 were provided for information.
 - **ESN Administration** – On behalf of B.Belt, G.Pellegrino presented Document .12 as the written report. It was noted that the projected ESN exhaust date was moved up to 4Q04 from 1Q06. Concern was raised that UIM ID requests and assignments are exasperating ESN exhaust. It was re-iterated that UIM IDs should be assigned only from the previously identified re-useable range of ESN codes. It was noted that there were recent UIM ID assignments made using ESN codes outside of the acceptable range of re-usable ESN codes. For the September 2003 TR45 meeting, the UIM/ESN Ad-Hoc Group was directed to solicit comment from TIA Staff on the rational for the actions taken in the assignment of UIM IDs outside of the identified range of re-usable ESN codes. As reported in Document .44, T.Caldwell resigned from TIA and John Derr was appointed the new TIA primary contact for ESN administration. There were no objections from TR45 on the appointment. Document .43 was provided for information.

The Committee recessed for a break at 10:30 AM and reconvened at 10:45 AM.

- j. **AHG on LAES** – T.Brooks provided Document .13 as the written report. A typo was noted on page 3, the written report should have indicated “Service System message” as opposed to “Surveillance Status message.” It was requested that TIA look into the possibility of adding security software to the LAN routers used at meetings and/or adding language to the TIA Engineering Manual or other appropriate documents on meeting code of conduct regarding privacy, security, and unauthorized access via wired and wireless LANs. TIA Staff indicated that the concern would be raised to the TIA IPR Working Group as well as the TIA Technical Committee. All were encouraged to take necessary steps to protect their individual PCs from unauthorized wired or wireless LAN access during meetings. And, all were encouraged to share any recommendations to avoid risk with the AHAG.

The LAES AHG sought guidance from TIA on a few issues including (1) ASN.1 module assignment under the ti (113737) node and (2) TIA balloting of PN-4465-RV1 (J-STD-025B) relative to the proposed T1S1 text. T.Brooks, with input from the LAES AHG, agreed to work with S.Hoyler, TIA, to resolve the issues raised prior to the next LAES AHG meeting with guidance provided by TIA in writing to include reference to the requested guidelines and next steps to move forward. Concern was raised related to the nature of the expertise required to develop ASN.1 tree guidelines. It was noted that cooperation of the appropriate legal, technical, and administrative expertise would be sought.

Two new Project Numbers (PNs) requests were made by the LAES AHG for: (1) additional LAES capabilities outside of the scope of CALEA and (2) revision to J-STD-025-B regarding maintenance of the standard following implementation. The LAES AHG sought approval to go forward with the PN requests from TR-45. There was lengthy discussion on the two PN requests. The 1994 procedures related to joint standards development between T1 and TIA were referenced. It was suggested that the referenced procedures be distributed to the TR-45 membership for information. Document .37 from T1P1 was introduced regarding any proposed revision C of J-STD-025 for VoP.

The Committee recessed for lunch at 12:20 PM and reconvened at 1:30 PM.

- j. **AHG on LAES (continued)** – Relative to PN request (2) above, it was suggested that the PN be re-worded to remove references to revision C of J-STD-025 and to proceed toward approval from TR45. Alternatively, it was suggested to leave the PN request worded as is and forward to TIA with a cover letter from TR45 that encourages that the necessary steps be taking relative to the joint standards development procedures with Committee T1. Ericsson and Nortel objected to the alternative proposal. Ericsson and Nortel suggested that the language in the cover letter be incorporated into the body of the PN requests. G. Pellegrino, J.Ragsdale, and G.Patel agreed to work off-line to re-word the PN requests. It was agreed to continue this discussion later during the meeting.
 - k. **TR45 Network Architecture Group (NAG)** – C.Ishman provided Document .14. Two Project Number (PN) requests were introduced for TR45 approval. There were no objections to approval the two PNs. Concern was raised regarding the acronym NAM. It was agreed to re-write the PNs to expand NAM to Network Architecture Model to avoid confusion with other uses of the acronym. TR45 approved the PNs as amended to subsequently go forward to TIA for ballot.
 - l. **TR45 Standards Development Program Report** – On behalf of C.Blum, J.Brownley presented Document .15. Document .15 was remanded to all Subcommittees to review and provide updates to C.Blum before the next TR45 meeting in September 2003.
9. Regarding the continuation of old business, the following items were addressed:
- a. **Pseudo-ESN Derivation** – Document .42 was re-introduced by T45.5 regarding its support of MEID. The AHAG agreed to provide official correspondence to TR45 with a copy to all Subcommittee Chairs with a corrected example of a pseudo-ESN from the MEID. Documents TR45/03.03.05.17 and TR45/03.03.05.42 were provided for information.
 - b. **TR45 Vice-Chair Election in September 2003** –
TIA will conduct the TR45 Vice-Chair election at the next TR45 meeting September 3, 2003 in Vancouver. The election will be placed on the agenda of the next TR45 meeting. Regarding other TR45 Leadership Elections in 2003, it was re-iterated that Subcommittees TR45.1, TR45.3, and TR45.5 were directed to conduct elections in 2003 per the TIA Engineering Manual for the relevant Chair and Vice-Chair positions listed in the table below. All were encouraged to be mindful of the 30-day notice requirement.

Group	Position	Date
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Committee TR45	Vice-Chair	09-2003
Subcommittee TR45.1	Chair	10-2003
Subcommittee TR45.3	Chair	08-2003
Subcommittee TR45.3	Vice-Chair	08-2003
Subcommittee TR45.5	Chair	08-2003
Subcommittee TR45.5	Vice-Chair	08-2003

It was noted that clarification was needed with respect to the TR45.6 Vice-Chair's status. TR45.6 was encouraged to work with TIA to determine next steps prior to the next TR45 meeting in September 2003.

- c. **Plans to Withdraw TSB-68 and TSB-84A** – There were no objections to issue ballots to withdraw TSB-68 and TSB-84A. TR45 to include copies of the documents with the ballots. TIA requested reasons for the withdrawal of these TSBs. TR45 to seek explanations for the withdrawals.
- d. **Cellular TDD in TIA** – TR45/03.06.05.20R1 was carried-forward for reference. Since there were no additional inputs at this meeting and to provide an opportunity for additional input, it was agreed that the agenda item would be carried forward to the next TR45 meeting in September 2003.

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

- a. **TSB-39-A Ballot Comment Resolution** – Document .45 was provided. There was a single editorial comment for resolution. It was agreed to change the wording from “within 60 days” to “in a timely manner.” There no objections to go forward for publication of TSB-39-A, as amended. TR45 plans to amend and forward TSB-39-A to TIA for publication.
- b. **Approve for Publication TIA-946** – Document .40 was provided for information. It was noted that there were no comments for resolution. Subsequently, there were no objections to approve TIA-946 for publication as balloted. The AHAG was directed to forward TIA-946 to TIA for publication.
- c. **Privatization of SID Administration** – Documents .28 and .05c were provided. It was suggested that TR45 support the position as presented by TR45.2 in Document .05c for IFAST to continue SID Administration. There were no TR45 objections.
- d. **HNI Assignment Coordination** – Regarding Document .29, it was noted that this is a wireless issue. P.Nurse was asked to work with G.Flynn to draft a reply to the IMSI Oversight Council on behalf of TR45.
- e. **GSC-8 / GRSC-1 / GTSC-1 Report to TR-45** – Document .39 was provided for information.
- f. **MTP Network Code Assignments** – Document .38 was provided from T1S1. All TR45 members were invited to provide input on MTP Network Code Assignment directly into the next meeting of T1S1.3 scheduled for August 4-7, 2003 or into the next TR45 meeting on September 2003.

8. The following Ad-Hoc Group report was continued:

- j. **AHG on LAES (continued)** – It was noted that the drafting group came to consensus to re-word the PN request forms such that:
 - Relative to PN request (1) above, wording related to a joint standard would be removed.
 - Relative to PN request (2) above, the parenthetical related to T1S1 and T1P1 would be removed. In addition, references to MWIF and UWCC would be removed and the reference to UWCC would be replaced with “3G Americas”. And, the word “proposed” would be added, as appropriate.

The two LAES AHG Project Number (PN) requests in Document .13 were approved as amended to go forward to TIA with no objections. In addition, it was agreed that the PN requests would be submitted to Committee T1 with a cover letter expressing strong interest on behalf of TIA for both projects to proceed as joint T1/TIA projects. T.Brooks to contact TR45 to schedule an interim TR45 conference call meeting, as needed, to approve PN-4465-RV1 (J-STD-025-B) to be forward to TIA for ballot.

The Committee recessed for a break at 3:10 PM and reconvened at 3:25 PM.

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

- a. **CTIA** – R.Kemper provided a brief verbal report.
- b. **ITU-T** – On behalf of D.Thompson, G.Flynn presented Document .16 as the written report for information. Document .33 was provided for information.
- c. **ITU-R** – There was no report.
- d. **CITEL** – On behalf of G.Gardner, J.Ragsdale presented a brief verbal report.
- e. **Wireless Communications Division (WCD)** – On behalf of B.Belt, S.Hoyler presented Document .19 as the written report. It was noted that the next TIA WCD conference call meeting would be held on July 24, 2003 (or July 17, 2003.)
- f. **Technical Regulatory Issues Committee (TRIC)** – On behalf of B.Belt, S.Holyer presented Document .20 as the written report. It was noted that the Specific Absorption Rate (SAR) Ad-Hoc Group was re-established. All interested industry representatives were encouraged to participate in the Ad-Hoc Group.
- g. **TIA** – S.Hoyler provided Document .21 as the written report with attachments .21a through .21f of supporting information. The IPR policy issues were highlighted as well as issues related to trademarks and the recent ANSI audit of TIA. Document .34 was provided for information.
- h. **3GPP2** – Document .22 was provided as the written report by G.Flynn for information. It was noted that G.Flynn would replace S.Dennett as the TR45 3GPP2 Liaison.
- i. **3GPP** – P.Musgrove provided a brief verbal report.
- j. **ATIS** – There was no written report. Document .31 was provided for information.

11. In review of assignments, are as follows:

1. Document .47, the draft MEID Guidelines, was remanded to all Subcommittees for review and to provide comments to the UIM/ESN Ad-Hoc Group and Committee TR-45 before the next TR-45 meeting in September 2003.
2. For the September 2003 TR45 meeting, the UIM/ESN Ad-Hoc Group was directed to solicit comment from TIA Staff on the rational for the actions taken in the assignment of UIM IDs outside of the identified range of re-usable ESN codes.
3. It was requested that TIA look into the possibility of adding security software to the LAN routers used at meetings and/or adding language to the TIA Engineering Manual or other appropriate documents on meeting code of conduct regarding privacy, security, and unauthorized access via wired and wireless LANs. TIA Staff indicated that the concern would be raised to the TIA IPR Working Group as well as the TIA Technical Committee.
4. The LAES AHG sought guidance from TIA on a few issues including (1) ASN.1 module assignment under the ti (113737) node and (2) TIA balloting of PN-4465-RV1 (J-STD-025B) relative to the proposed T1S1 text. T.Brooks, with input from the LAES AHG, agreed to work with S.Hoyler, TIA, to resolve the

issues raised prior to the next LAES AHG meeting with guidance provided by TIA in writing to include reference to the requested guidelines and next steps to move forward.

5. Once the two PNs requested by the NAG are issued, TR45 approved the PNs as amended to go forward to TIA for ballot.
6. Regarding the TR45 Workplan, Document .15 was remanded to all Subcommittees to review and provide updates to C.Blum before the next TR45 meeting in September 2003.
7. The AHAG agreed to provide official correspondence to TR45 with a copy to all Subcommittee Chairs with a corrected example of a pseudo-ESN from the MEID.
8. TIA will conduct the TR45 Vice-Chair election at the next TR45 meeting September 3, 2003 in Vancouver.
9. Regarding other TR45 Leadership Elections in 2003, it was re-iterated that Subcommittees TR45.1, TR45.3, and TR45.5 were directed to conduct elections in 2003 per the TIA Engineering Manual for the relevant Chair and Vice-Chair positions listed in the table below.

Group	Position	Date
Committee TR45	Vice-Chair	09-2003
Subcommittee TR45.1	Chair	10-2003
Subcommittee TR45.3	Chair	08-2003
Subcommittee TR45.3	Vice-Chair	08-2003
Subcommittee TR45.5	Chair	08-2003
Subcommittee TR45.5	Vice-Chair	08-2003

10. It was noted that clarification was needed with respect to the TR45.6 Vice-Chair's status. TR-45.6 was encouraged to work with TIA to determine next steps prior to the next TR45 meeting in September 2003.
11. TR45 to submit ballots to withdraw TSB-68 and TSB-84A. TR45 to include copies of the documents with the ballots. TR45 to seek explanations for the withdrawals.
12. TR45 to amend and forward TSB-39-A to TIA for publication.
13. AHAG to forward TIA-946 to TIA for publication.
14. Regarding HNI Assignment Coordination in Document .29, P.Nurse was asked to work with G.Flynn to draft a reply to the IMSI Oversight Council on behalf of TR45.
15. Regarding Document .38, all TR45 members were invited to provide input on MTP Network Code Assignment directly into the next meeting of T1S1.3 scheduled for August 4-7, 2003 or into the next TR45 meeting on September 3, 2003.
16. The two LAES AHG Project Number (PN) requests in Document .13 were approved as amended to go forward to TIA with no objections. In addition, it was agreed that the PN requests would be submitted to Committee T1 with a cover letter expressing strong interest on behalf of TIA for both projects to proceed as joint T1/TIA projects. T.Brooks to contact TR-45 to schedule an interim TR-45 conference call meeting, as needed, to approve PN-4465-RV1 (J-STD-025B) to be forward to TIA for ballot.

12. Review Meeting Schedules

- a. **TR45 2003 Schedule** – Document .25 was provided for information. It was once again re-iterated that all are encouraged to make meeting hotel reservations prior to the cut-off date. It was noted that there continues to be a problem meeting the contracted sleeping room block for TR45 meetings. It was agreed that the next TR45 meeting would be a single day on Wednesday, September 3 in Vancouver, BC, Canada. It was noted that it is desirable for the TIA WCD to be co-located with the TR45 meeting in Vancouver. It was suggested that the December 3-4, 2003 TR45 meeting be convened on Wednesday afternoon and adjourn on Thursday around Noon. The TR45 leadership was encouraged to consider holding the TR45 meeting the third week in June 2004 in Chicago to co-locate with SUPERCOMM.
- b. **Subcommittees and AHG 2003 Schedules** - Documents .04, .05, .06, .07, .08, and .09 were provided for information.
- c. **TR45 2004 Schedule** – Document .48 was provided for information.

15. Open Discussion

It was noted that Document .26 was provided for information relative to agenda item 8j.

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 5:15 PM local time June 5, 2003.

Gerry Flynn
Vice-Chair
Engineering Committee TR45

Jane C. Brownley
Secretary
Engineering Committee TR45