BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-45 Meeting Report
Date: 12/03/03
Location: Houston, TX

Approved: 02/12/04
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The Telecommunications Industry Association represents the communications sector of EIA

Telecommunications Industry Association
TR45 Committee
Mobile & Personal Communications Standards (TR45)
Report of Meeting
December 3, 2003
Doubletree Hotel, Houston, TX

Quorum List, Members Present

Member	Representative	Attendance	
		Last	Prior
1. Alltel	D. Gentzler	X	
2. Alps Electric	R. Miyano	X	
3. AT&T Wireless Services	P. Musgrove	X	X
4. Cisco Systems	P. Yegani		X
5. CommFlow Resources	G. Pellegrino	X	X
6. Ericsson	J. Ragsdale	X	X
7. Lucent Technologies, Inc.	C. Blum	X	X
8. Motorola, Inc.	C. Ishman	X	X
9. Nokia Mobile Phones	T. Brooks	X	X
10. Nortel Networks	G. Patel		X
11. QualComm	F. Quick	X	X
12. Sprint	D. Baldwin		X
13. Toshiba	J. Madrid	X	
14. 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. CDMA Development Group	S. Samra		
2. InterDigital Communications, Corp.	B. Kiernan	X	
3. Rogers Wireless, Inc.	P. Oldfield	X	

Others Present

Member	Representative
1. ATIS	E. Hall
2. CTIA	R. Kemper
3. LG InfoComm	B. Yi
4. LG InfoComm	K. Kim
5. Lucent Technologies, Inc.	J. Alphonse
6. Lucent Technologies, Inc.	J. Brownley
7. Lucent Technologies, Inc.	P. Nurse
8. Lucent Technologies, Inc.	F. O'Brien

9. Nextel Communications	B. Levitan
10. Nokia	S. Willhoff
11. TIA	J. Derr
12. TIA	S. Hoyler

[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 December 3, 2003, at the Doubletree Hotel, Houston, TX, at 01:15 PM local time.
   - C.Blum/Chair TR-45 called the meeting to order and welcomed the TR-45 membership to Houston,TX.

2. Meeting attendance was recorded as indicated by the above list and quorum was established.

3. The attached meeting agenda was reviewed and approved as amended.

4. Regarding the Early Disclosure Policy, the Chair duly informed the meeting attendees. There were no comments from the meeting attendees.

5. Relative to contributions, the following documents were numbered and assigned accordingly.

Number	Title	Source	Agenda Item
TR45/03.12.03.00R2	Contribution Assignment List	J. Brownley Secretary	5
TR45/ 03.12.03.01R1	Meeting Agenda	C. J. Blum Chair TR45	3
TR45/ 03.12.03.02 TR45/ 03.12.03.02a	TR-45 Meeting Report of August 15, 2003 TR-45 Meeting Report of September 3, 2003	J. Brownley Secretary	6
TR45/ 03.12.03.03R2	TR-45 Committee Correspondence	J. Brownley Secretary	7, 8b, 8g, 8i, 8k
TR45/ 03.12.03.04	Subcommittee TR45.1 Report	J. Kay Chair TR45.1	8a, 13b
TR45/ 03.12.03.05	Subcommittee TR45.2 Report	C.Ishman Chair TR45.2	8b, 13b
TR45/ 03.12.03.06	Report of TR45.3 to TR45	P. Musgrove Chair TR45.3	8c, 13b
TR45/ 03.12.03.07	TR45.4 Report	D.Baldwin Chair TR45.4	8d, 13b
TR45/ 03.12.03.08	TR45.5 Report	J. Alphonse Chair TR45.5	8e, 13b, 10c
TR45/ 03.12.03.09	TR45.6 Report to TR45	P.Yegani Chair TR45.6	8f, 13b
TR45/ 03.12.03.10	AHAG Report	F.Quick, Acting Chair Chair AHAG	8g
TR45/ 03.12.03.11	AHG on UIM/ESN Report	G.Pellegrino, Acting Chair AHG on UIM/ESN	8i
TR45/ 03.12.03.12	ESN Administrator's Report	B.Belt ESN Administrator	8i
TR45/ 03.12.03.13	AHG on LAES Report	T.Brooks Chair AHG on LAES	8j

TR45/ 03.12.03.14	TR-45 Network Architecture Ad-Hoc Group (NAG) Report	C.Ishman Chair NAG	8k
TR45/ 03.12.03.15R1	AHG on Electronic Media Documentation	P.Nurse Chair	8h
TR45/ 03.12.03.16	Scopes of Joint Projects - Wording Changes	T.Brooks Chair AHG on LAES	8j
TR45/ 03.12.03.17	ITU-T Liaison Report	D.Thompson ITU-T Liaison	11b
TR45/ 03.12.03.18R1	Usage of cdma2000® trademark and certification mark in TIA documents and by third parties	S.Hoyler TIA Liaison	10a, 11g
TR45/ 03.12.03.19	WCD Report	B.Belt TIA WCD Liaison	11e
TR45/ 03.12.03.20	WCD TRIC Report	B.Belt TIA WCD Liaison	11f
TR45/ 03.12.03.21	TIA Standards Department Report	S.Hoyler TIA Liaison	11g
TR45/ 03.12.03.22	3GPP2 Liaison Report	G. Flynn 3GPP2 Liaison	11h
TR45/ 03.12.03.23	< not used >		
TR45/ 03.12.03.24	TR45 Committee Correspondence Re: ESN Admin Guidelines	J.Brownley Secretary	8i
TR45/ 03.12.03.25	TR45 Committee Correspondence Re: Response to ESTS	J.Brownley Secretary	8j
TR45/ 03.12.03.26	TR45 Committee Correspondence Re: J-STD-025-B Ballot and Status	J.Brownley Secretary	8j
TR45/ 03.12.03.27	TR45 Committee Correspondence Re: SID Assignment	J.Brownley Secretary	8b
TR45/ 03.12.03.28	TR45 Committee Correspondence Re: Global Core Specifications	J.Brownley Secretary	11c
TR45/ 03.12.03.29	TR45 Committee Correspondence Re: TR45.3 Items to TR45	J.Brownley Secretary	8c
TR45/ 03.12.03.30	TR45 Committee Correspondence Re: TIA Addendums	J.Brownley Secretary	10c
TR45/ 03.12.03.31	TR45 Committee Correspondence Re: NIIF JIP Text	J.Brownley Secretary	9e
TR45/ 03.12.03.32	TR45 Committee Correspondence Re: Response to OBF	J.Brownley Secretary	9e
TR45/ 03.12.03.33	TR45 Committee Correspondence Re: E-911 Position Paper	J.Brownley Secretary	11g
TR45/ 03.12.03.34	TR45 Committee Correspondence Re: 2004 ANSI Document Review	J.Brownley Secretary	10d
TR45/ 03.12.03.35	TR45 Committee Correspondence Re: Emergency Communications	J.Brownley Secretary	
TR45/ 03.12.03.36	TR45 Committee Correspondence Re: x-ref TIA documents	J.Brownley Secretary	9d
TR45/ 03.12.03.37	TR45 Committee Correspondence Re: ETS mapping to T1 and TIA	J.Brownley Secretary	11g
TR45/ 03.12.03.38	TR45 Committee Correspondence Re: TSB Withdrawal	J.Brownley Secretary	9b

TR45/ 03.12.03.39	TR45 Committee Correspondence Re: OID Administration Guidelines	J.Brownley Secretary	9a
TR45/ 03.12.03.40	TR45 Committee Correspondence Re: ESN Reclamation	J.Brownley Secretary	8i
TR45/ 03.12.03.41	TR45 Committee Correspondence Re: 3GPP2 and AHAG	J.Brownley Secretary	8g
TR45/ 03.12.03.42	TR45 Committee Correspondence Re: New 3GPP2 Publication Process	J.Brownley Secretary	10e
TR45/ 03.12.03.43	TR45 Committee Correspondence Re: LAES New Projects	J.Brownley Secretary	8j
TR45/ 03.12.03.44	MEID Standards Presentation	D.Crowe Qualcomm	10f
TR45/ 03.12.03.45	TR45 Committee Correspondence Re: cdma2000® trademark usage	J.Brownley Secretary	10a
TR45/03.12.03.46	TR45 Committee Correspondence Re: Correct Usage of ANSI Designation	J.Brownley Secretary	10g
TR45/03.12.03.47	TR45 Committee Correspondence Re: T1S1 LAES Status	J.Brownley Secretary	8j
TR45/03.06.05.48	TR45 Committee 2004 Meeting Schedule	J.Brownley Secretary	13a
TR45/03.09.03.05a	Subcommittee TR45.2 Report	C.Ishman Chair TR45.2	9e
TR45/03.09.03.21b	TIA Standards Department Report	S.Hoyler TIA Liaison	9f
TR45/03.09.03.25	TR45 Committee Correspondence Re: Liaison Statement on Status of ITU-T Draft Rec. Q.SNFB	J.Brownley Secretary	9c
TR45/03.09.03.26	TR45 Committee Correspondence Re: Request to SDOs for Q.1742.3 Publication Status	J.Brownley Secretary	9d
TR45/03.09.03.31	TR45 Committee Correspondence Re: Clarification of JIP for Wireless Number Portability (WNP)	J.Brownley Secretary	9e

6. The meeting reports of August 15, 2003 and September 3, 2003 numbered TR45/03.12.03.02 and .02a, respectively, were reviewed. A motion was made and passed with no objections to approve the meeting reports as written.

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

   - **Document .03R2** - This correspondence was provided for information.

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

   a. **TR-45.1 Subcommittee** – J.Kay was not present. Nevertheless, Document .04 was provided as the written report. It was noted that the two-year term of J.Kay as Chair of TR-45.1 ended as of November 2003. TR-45 acknowledged and recognized the outstanding contributions of J.Kay to TIA and Committee TR-45. It was agreed that TIA would provide a plaque of recognition to J.Kay. It was reported that the election of a new TR-45.1 Chair was scheduled for the TR-45.1 meeting in November 2003. However, there were no candidates. It was decided that TR-45.1 would be rendered dormant at this time and its status would be re-addressed at the next TR-45 meeting in March 2004. The outstanding TR-45.1 work item related to SP-3-4658 (i.e., to upgrade IS-89 to ANS status) would be balloted by TR-45 once a soft copy was located. In addition, TR-45 seeks to locate copies of any other TR-45.1 legacy documents.

b. **TR-45.2 Subcommittee –** C.Ishman provided Document .05 as the written report. Document .05a provided TR-45.2 comments on the TIA compendium of emergency communications and communications network security-related work activities. Regarding Document .05a, it was noted that updated document titles were needed to reflect the correct usage of the ANSI designation. Document .05b, TR45.2 correspondence to T1P1 related to comments on J-STD-038-B, was provided for information. Document .05c, announcing the resignation of C.Ishman as Chair of TR-45.2 and TR-45.NAG, was provided for information. Regarding the resignation, Document .03R2 was also referenced.

TR-45 acknowledged and expressed thanks and appreciation to C.Ishman for his years of work and commitment to TIA and TR-45. It was agreed that TIA would provide a plaque of certification to C.Ishman. TR-45 directed TR-45.2 to announce the upcoming Chair election and solicit nominations. There were no objections to put forward a TR-45 recommendation to the TIA Technical Committee at its 17 December 2003 meeting to abolish the odd/even-year election requirement as reflected in Section 3.1.1 of the TIA Engineering Manual.

Regarding Document .27, S.Hoyler agreed to follow-up with D.Bart on the disposition of the proposed TR-45.2 correspondence to the FCC from TIA regarding SID Administration. It was noted that TR-45 supported the proposed TR-45.2 correspondence. E.Hall, on behalf of ATIS, agreed to investigate the status of the anticipated ATIS OBF response to the previous TR-45 correspondence on JIP.

c. **TR-45.3 Subcommittee** – P.Musgrove provided Document .06 as the written report. Document naming convention was discussed as it relates to ANS/TIA/EIA. TIA took an action to generate explanatory text to clarify the correct usage of the terms ANS/TIA/EIA in document titles (i.e., usage going forward) before the next meeting of TR-45. Document .29 was provided for information.

d. **TR-45.4 Subcommittee** – D.Baldwin provided Document .07 as the written report. TR-45.4 to call for Chair nominations at its December 2003 meeting and conduct the election at its January 2004 meeting. Regarding the TR-45.4 Vice-Chair election, plans are to call for nominations at the TR-45.4 meeting in January 2004 and to conduct the election at the subsequent TR-45.4 meeting (i.e., either February or March 2004.) TR-45.4 reported that MEID standards are targeted the next revision of its standard.

e. **TR-45.5 Subcommittee** – J.Alphonse provided Document .08 as the written report. Discussion of the TIA Addenda policy, particularly as it relates to TR-45.5, was deferred until agenda item 10c.

f. **TR-45.6 Subcommittee** – P.Yegani provided Document .09 as the written report. Caution was encouraged relative to the language used in informative TSB documents (i.e., no shalls, musts, etc.) to avoid rejection by legal counsel. There was lengthy discussion on TR-45.LAES.AHG working the e-interface as it relates to Release C of J-STD-025. It was noted that TR-45.6 during its meeting in December 2003 would address working the e-interface with the TR-45.LAES.AHG. TR-45 re-iterated its position that all experts from TR-45.2 and TR-45.6 should work with TR-45.LAES to avoid the need for multiple liaisons and reap the benefits from the synergy of working together. TR-45 highly recommends that this work be done collectively and strongly encourages co-located meetings with TR-45.LAES to facilitate expediting this work by having the TR-45.6 and TR-45.2 experts contribute to the work of TR-45 LAES.AHG. TR-45 left it to the affected group Chairs to negotiate the meeting logistics.

The Committee recessed for a break at 10:35 AM and reconvened at 11:05 AM.

g. **Ad Hoc Authentication Group (AHAG)** – F.Quick, as Acting Chair, provided Document .10 as the written report. It was reported the C.Carroll has taken a new position and is no longer able to serve as Chair. TR-45 expressed appreciation to C.Carroll for the critical Security work that he has done over the years. TIA agreed to provide a plaque of certification to C.Carroll. With no objections, F.Quick was appointed the new AHAG Chair. Correspondence relative to the resignation of C.Carroll and the nomination of F.Quick were provided in Document .03R2. Document .41 was provided for information.

h. **AHG on Electronic Media Documentation (AHEM) –** P.Nurse provided Document .15R1 as the written report. There were no objections to accept the scope and charter of the AHEM as provided in Document .15R1. TR-45 plans to share the AHEM Scope and Charter with the TIA Technical Committee and suggest that the TIA Technical Committee consider a horizontal Ad-Hoc Group on Electronic Media Documentation patterned after the TR-45.AHEM.

j. **AHG on LAES –** T.Brooks provided Document .13 with attachments 13a through 13d as the written report. The results of the ballot resolution of PN-4465-RV1 were noted. It was also noted that a default ballot of PN-4465-RV1 was required and that the default ballot comments would be addressed during the TR-45.LAES meeting in December 2003. It was noted that it was still the intent of the TR-45.LAES to have J-STD–025-B ready for publication by the end of 2003. TR-45 scheduled an interim conference call meeting for Thursday 18 December 2003 at 11:00 AM Eastern Time to seek approval of PN-4465-RV1 for publication as J-STD–025-B and to recommend an ANS ballot.

TIA agreed to investigate whether there was a requirement to generate meeting reports of joint meetings that involve TR-45 Ad-Hoc Groups. Based on the TIA Engineering Manual, it is the understanding of TR-45, that meeting reports are not required of TR-45 Ad-Hoc Groups and if a meeting report is generated by a TR-45 Ad-Hoc Group, TIA legal review is optional.

It was noted that the TR-45.LAES is considering a co-located meeting in the U.S. for information sharing with 3GPP SA3 and T1P1 in October 2004. It was noted that the chair of the 3GPP SA3 LI group indicated that there was interest within that group for information sharing with TR-45 LAES. TR-45.LAES was encouraged to explore holding a similar co-located information sharing meeting with 3GPP2. G.Flynn was asked to contact the 3GPP2 SC Chair relative to the possibility of such a co-located information sharing meeting.

Documents .16, .25, .26, .43, and .47 were provided for information.

The Committee recessed at 05:30 PM Local Time on Wednesday December 3, 2003 and re-convene at 08:15 AM Local Time on Thursday December 4, 2003.

i. **AHG on UIM/ESN –** G.Pellegrino, as Acting Chair, provided Document .11 as the written report. It was re-stated that TR-45 endorsed TIA as the MEID Global Hexadecimal Administrator (GHA). The UIM/ESN AHG proposed updates to the GHA Assignment Guidelines and Procedures, as reflected in Document .11c, were reviewed and approved by TR-45 for the UIM/ESN AHG to forward to 3GPP2 TSG-S. TIA to provide a list, to the UIM/ESN AHG and copyto TR-45, of manufacturers assigned ESN codes that could not be reached via previous mailings. Document .11a, correspondence to the industry concerning migration information related to ESN exhaust, was reviewed and approved as amended by TR-45 for UIM/ESN AHG distribution by Monday 8 December 2003. Document .11b, the ESN Assignment Guidance Plan, was provided for information.

Qualcomm indicated that the MEID presentation in Document .44 was provided for industry use and distribution. TR-45 suggested that the UIM/ESN AHG work with TIA to explore conducting an industry seminar on the migration to MEID that includes frequently asked questions and answers. The Subcommittees and AHGs were polled relative to the status of MEID standards development. The Subcommittees and AHGs were directed to provide detailed MEID standards development status at the next TR-45 meeting in March 2004.

Many expressed sincere appreciation and thanks to the UIM/ESN AHG for its efforts, in particular C.Carroll and G.Pellegrino. Per Document .03R2, it was noted that C.Carroll resigned as the Chair of the UIM/ESN AHG. G.Pellegrino was appointed the new Chair of the UIM/ESN AHG with no objections. Document .40 was provided for information.

- **ESN Administration** – On behalf of B.Belt, J.Derr presented Document .12 as the written report. It was reported that the projected exhaust date of the 8-bit ESN manufacturer's codes remains 1Q05.

The Committee recessed for a break at 09:35 AM and reconvened at 10:00 AM**.**

k. **TR-45 Network Architecture Group (NAG) –** C.Ishman, provided Document .14 as the written report as well as materials related to the ballot of PN-3-01222-1 (TSB-151), the TR-45 Network Reference Model (NRM). TR-45 approved TSB-151 for publication as amended, without objection. The NAG was rendered dormant until such time as there is the need for a new revision to the TR-45.NRM. All were encouraged to raise any NAG related issues to TR-45.

C.Ishman resigned as Chair of the NAG per Document .03R2. TR-45 expressed thanks and appreciation to C.Ishman. The TR-45 Chair called for volunteers to Chair the NAG and as Editor of the NRM document. Regarding potentially missing interfaces as raised by TR-45.6, it was suggested that the issue be directed to either TSG-X or the NAG via TR-45.

l. **TR-45 Standards Development Program Report –** J.Alphonse volunteered to serve as the TR-45 Program Manger. It was noted that the Program Manager would review the Subcommittee work plans and development a new formatted TR-45 program report for the next TR-45 meeting in March 2004.

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

a. **Confirmation of OID Administration Guidelines Editor**
Document .39 was provided for information. TR-45 confirmed G.Pellegrino as Editor of the OID Administration Guidelines. The Editor noted proposed changes to the Guidelines as a result of the recent ballot of J-STD–025-B. In addition, it was noted that updates were needed as a result of review by TIA.. The OID Administration Guidelines Editor to request a TIA project number to track revisions to the document

b. **Ballot Comment Resolution of TSB-68 and TSB-84-A**
Document .38 was provided for information. It was reported that there were no ballot comments. The withdrawal of TSB-68 and TSB-84-A were accepted without objection.

c. **ITU-T SSG Draft Recommendation Q.SNFB**
Document TR45/03.09.03.25 was provided for information. The Subcommittees that reviewed the Draft Recommendation Q.SNFB had no comments. It was noted that TR-45.6 plans to review Q.SNFB at its December 2003 meeting and provide comments directly to the SSG with a copyto TR-45.

d. **ITU-T SSG Request to SDOs for Q.1742.3 Publication Status**
Documents .36 and TR45/03.09.03.26 were provided for information. It was reported that comments from TR-45.2 and the AHAG were provided to the ITU-T SSG. It was noted that the need for cross-references would be ongoing. All of the Subcommittees were encouraged to provide cross-reference publication information as it relates to the ITU-T SSG Request to SDOs for Q.1742.3 Publication Status on an ongoing basis. P.Nurse agreed to propose a 3GGP2 / TIA cross numbering scheme at the next meeting of TR-45 in March 2004 based on a review of the 3GPP / ETSI process.

e. **TR-45 Actions re: JIP for Wireless Number Portability**
Several pieces of correspondence related to the JIP for wireless number portability in Documents .31, .32, TR45/03.09.03.31, and TR45/03.09.03.05a were provided for information only.

f. **TR-45 Actions re: ANSI C.63**
Document TR45/03.09.03.21b was provided for information. The air-interface Subcommittees that reviewed the document indicated that there were no comments. During the meeting's discussion, it was noted that there were implications to carriers and potential impacts to other groups such as TR-41 and

TR-8. TR-45 agreed to contact TIA with a request that TIA establish a relationship with ANSI C.63. There were no objections to TIA establishing the relationship. The ATIS incubator program related to Hearing-Aid Compatibility (HAC) was also noted.

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

a. **cdma2000® trademark usage**
Document .18R1 was provided on cdma2000® trademark usage on TIA only documents. A concern was raised relative to the clause "certifies their compliance" in the footnote. S.Hoyler and C.Blum to an action item to clarify the meaning and intent of the clause and to provide it via the TR-45 e-mail reflector. Document .18R1 was remanded to the Subcommittees and AHGs to review and take action as appropriate in the development of standards. In addition, TR-45 agreed to provide (via the e-mail reflector) language on the usage of the trademark and footnote as it relates to transposed 3GPP2 documents that differs from the usage in TIA only documents. Document .45 was provided for information.

b. **Announcement of 2004 TR-45 Leadership Elections**
The announcement of 2004 TR-45 leadership elections were discussed under previous agenda items 8b and 8d.

c. **TIA Addenda**
Documents .30 and .08 were provided for information. It was agreed that TR-45 would make a recommendation to the TIA Technical Committee to modify the TIA Addenda policy to "either / or" such that either a "delta addendum" (aka delta document) or an "enhanced addendum" should be provided without requiring a "delta addendum" for TIA publication and to allow the group to elect whether to provide a "delta addendum" or "enhanced addendum" or both. It was agreed to make the recommendation to the TIA Technical Committee at its 17 December 2003 meeting. It was noted that the policy change was being requested to facilitate publication of the TR-45.5 documents presently on hold due to the current policy.

A question was raised regarding the difference between "revision" and "addendum". TIA took an action to define "addendum" and "revision." TR-45 plans to shared with the TIA Technical Committee (at some later date) the TR-45 definitions of "addendum" and "revision". An additional concern was raised related to the enforcement of the use of "addendum" versus "revision." TIA agreed to investigate the ANSI policy and practices regarding extensive changes to documents including what constitutes extensive modifications. TR-45.5 to forward to TIA the TR-45.5 definitions used in practice. It was agreed that the TIA definitions (in conjunction with TR-45) would be shared with 3GPP2 in an effort to achieve a shared definition and usage of addenda and revisions.

d. **2004 ANSI Document Review**
The attachment Document .34 was remanded to the Subcommittees and AHGs to review and take action as appropriate. TR-45 to address the TR-45.1 items and contact the outgoing TR-45.1 Chair for a guidance.

e. **3GPP2 Publication Process Relationship to TR-45**
Document .42 provided an explanation of the new 3GPP2 publication process as it relates to TR-45 based on input from TIA. All were encouraged to review Document .42 and raise any additional concerns or questions for clarification to either D.Bart, C.Blum, or at the next TR-45 meeting in March 2004. It was noted that during the TR-45 Chairs meeting, S.Hoyler of TIA took an action to provide TIA training and documentation for the TR-45 Chairs on how to implement TIA ballots in the context of the new 3GPP2 publication process. TR-45 Leadership training is scheduled for the Tuesday before the TR-45 March 2004 meeting.

f. **MEID Presentation**
Document .44 was covered previously under agenda item 8i.

g. **Correct Usage of ANSI Designation**
Document .46 was provided for information relative to the correct usage of the ANSI designation. All were encouraged to review the document and take the appropriate action.

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

a. **CTIA** – R.Kemper provided a brief verbal report. It was reported that the FCC intends to issue an NPRM to the wireless industry for mandatory carrier outage reports.

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. Document .28 was provided for information.

d. **CITEL** – There was no report.

e. **Wireless Communications Division (WCD) –** On behalf of B.Belt, J.Derr presented Document .19 as the written report.

f. **Technical Regulatory Issues Committee (TRIC) –** On behalf of B.Belt, S.Hoyler presented Document .20 as the written report.

g. **TIA –** S.Hoyler provided Document .21 as the written report. Documents .33 and .37 were provided for information. It was noted that the U.S. (i.e., TIA, et al) would host the GSC meeting in the 4Q05 and the next GSC meeting would be held in May 2004 in S.Korea. Documents .33 and .37 were provided for information. And, Document .18R1 was addressed previously under agenda item 10a.

h. **3GPP2 –** G.Flynn provided Document .22 as the written report for information.

i. **3GPP –** P.Musgrove provided a brief verbal report. It was noted that individuals from China have experienced difficulties securing visas for travel into the U.S. to attend recent 3GPP meetings. Some have suggested that 3GPP not meet in the U.S. as a result.

j. **ATIS –** E.Hall provided a verbal report. It was noted that as a result of the ATIS re-organizations, participants in the ATIS engineering committees would be required to pay ATIS membership fees going forward.

11. In review of assignments, a summary of the assignments are as follows:

1. TIA to provide a plaque of recognition to J.Kay for his work in TR-45.1.
2. TIA to provide a plaque of recognition to C.Ishman for his work in TR-45.2 and TR-45.NAG.
3. TIA to provide a plaque of recognition to C.Carroll for his work in TR-45.AHAG and UIM/ESN AHG.
4. The outstanding TR-45.1 work item related to SP-3-4658 (i.e., to upgrade IS-89 to ANS status) will be balloted by TR-45 once a soft copy is located. In addition, TR-45 will seek to locate any other TR-45.1 legacy documents.
5. E.Hall, on behalf of ATIS, will investigate the status of the anticipated ATIS OBF response to the previous sent TR-45 correspondence on JIP.
6. TR-45.2 to announce the upcoming election for TR-45.2 Chair and solicit nominations.
7. TR-45 will put forth to the TIA Technical Committee a recommendation to abolish the odd/even-year election requirement.
8. Regarding Document .27, S.Holyer will follow-up with D.Bart on the disposition of the proposed TR45.2 correspondence to the FCC from TIA related to SID Administration.
9. TIA took an action to generate explanatory text to clarify the correct usage of the terms ANS/TIA/EIA in document titles (i.e., usage going forward) before the next meeting of TR-45 in March 2004.

10. TR-45.4 to call for Chair nominations at its meeting in December 2003 and conduct the election at its meeting in January 2004. For TR-45.4 Vice-Chair, plans are to call for nominations at its meeting in January 2004 and conduct the election at its subsequently scheduled TR-45.4 meeting (i.e., either February or March 2004.)
11. TR-45 highly recommends that the LAES e-interface work be done collectively. TR-45 strongly encourages 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. TR-45 leaves it to the affected group Chairs (i.e., LAES , TR45.6, and TR45.2) to negotiate the meeting logistics.
12. TR-45 plans to share the TR-45.AHEM scope and charter with the TIA Technical Committee (TC) and suggest that the TIA Technical Committee consider a horizontal AHG on EMD patterned after the TR-45 AHEM.
13. TR-45 scheduled an interim conference call meeting for Thursday 18 December at 11:00 AM ET to seek approval of PN-4465-RV1 for publication as J-STD–025-B and to seek a recommendation to move forward for ANS ballot.
14. TIA to investigate whether there are any requirements (such as creation, distribution, legal review, etc.) on joint meeting reports that include TR-45 AHGs.
15. TR-45.LAES was encouraged to explore holding a co-located information sharing meeting with 3GPP2. G.Flynn was asked to contact the 3GPP2 Steering Committee Chair relative to the possibility of such a co-located information sharing meeting.
16. TR-45 UIM/ESN AHG to forward to 3GPP2 TSG-S, Document .11c, the TR45 approved amended GHA Assignment Guidelines and Procedures.
17. TIA to provide a list, to the UIM/ESN AHG and copyto TR-45, of manufacturers assigned ESN codes that could not be reached via previous mailings.
18. TR-45 UIM.ESN AHG to distribute by Monday 08 December 2003, the correspondence in Document .11a, to the industry concerning migration information related to ESN exhaust, as approved an amended by TR-45.
19. The UIM/ESN AHG will work with TIA to explore conducting an industry seminar on the migration to MEID that includes the MEID presentation in Document .44 and a list of frequently asked questions and answers.
20. The Subcommittees and AHGs were directed to provide detailed MEID standards development status at the next TR-45 meeting in March 2004.
21. TR45.6 was directed to raise its concern relative to potentially missing NRM interfaces to either 3GPP2 TSG-X or the TR45.NAG via TR45.
22. J.Alphonse, as the newly appointed TR-45 Program Manager, to provide a modified formatted TR-45 Program Management Report to the next meeting on TR-45 in March 2004.
23. The OID Administration Guidelines Editor to request a TIA project number to track revisions to the document.
24. It was noted that TR-45.6 will review the ITU-T SSG Draft Recommendation Q.SNFB in Document TR45/03.09.03.25 at its December 2003 meeting and provide comments to the SSG directly and copyto TR45.
25. It was noted that TR-45.6 will review the ITU-T SSG Request to SDOs for Q.1742.3 Publication Status in Document TR45/03/09/03.26 at its December 2003 meting and provide comments to the SSG directly and copyto TR45.
26. P.Nurse took as an assignment to propose a TIA / 3GPP2 publication cross referencing numbering scheme at the next TR45 meeting in March 2004 based on review of the processes used by others such as ETSI.
27. TR-45 will contact TIA to request that TIA establish a relationship with IEEE relative to ANSI C.63.
28. Relative to Document .18R1, TR45 and TIA (S.Hoyler and C.Blum) took an assignment to clarify the meaning and intent of the clause “certifies their compliance” in the footnote.
29. S.Hoyler to provide Document .18R2 via the TR-45 e-mail exploder that addresses trademark usage for TIA only documents.
30. Document .18R1 (pending receipt of Document .18R2) was remanded to all the subcommittees and ad-hoc groups to follow in the development of the standards.

31. TR-45 will provide (via the TR-45 e-mail reflector) an explanatory text on the usage of the cdma2000® trademark and associated footnotes as it relates to TIA transposed 3GPP2 documents that differs from usage in TIA only documents.
32. Regarding the TIA Addenda policy, TR-45 will recommend a change in the policy at next the TIA Technical Committee meeting on 17 December 2003. TR-45 will recommend not to require the delta addenda (aka "delta documents") for TIA publication and to allow a group to elect whether to provide delta addenda or "enhanced addendum" or both.
33. TIA take an assignment to define the terms Addenda and Revisions. TIA will clarify the responsibility for enforcement of Addenda versus Revisions. And, TIA with TR-45 will investigate the ANSI policy regarding addenda that contain extensive changes to documents.
34. TR-45 will let the TIA Technical Committee know (at some later date) the TR-45 common definitions and practices relative to Addenda and Revisions.
35. TIA working with TR-45 will coordinate sharing with 3GPP2 the definitions of Addenda and Revisions in an effort to achieve a common understanding and usage in practice.
36. The attachment to Document .34, related to 2004 ANSI Document Review, was remanded to the Subcommittees and AHGs to review and take action as appropriate.
37. Document .42, related to the 3GPP2 Publication Process Relationship to TR-45, was provided for information to the Subcommittees and AHGs.

12. Review Meeting Schedules

    a. **TR-45 2004 Schedule** – The next Committee TR-45 meeting will be held March 3-4, 2004. Plans are to convene the meeting at 1:00 PM on Wednesday and re-convene on Thursday. Document TR45/03.06.05.48 was provided for information.

    b. **Subcommittees and AHG 2003 Schedules** - Documents .04, .05, .06, .08, and .09 were provided for information.

15. Open Discussion

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 12:25 PM local time December 4, 2003.

Cheryl J. Blum
Chair
Engineering Committee TR45

Jane C. Brownley
Secretary
Engineering Committee TR45