

**Telecommunications Industry Association
TR45 Committee
Mobile & Personal Communications Standards (TR45)
Report of Meeting
September 5-6, 2001
The Boston Park Plaza Hotel, Boston, MA**

Quorum List, Members Present

Member	Representative	Attendance	
		Last	Prior
1. ArrayComm, Inc.	W. Lye	X	
2. AT&T Wireless Services	G. Schlanger	X	X
3. CDMA Development Group	S. Samra	X	
4. CommWorks Corporation	E. Campbell	X	X
5. CRAG	J. Willse	X	X
6. Ericsson	B. Slocum	X	X
7. Fujitsu	S. Takenaka		X
8. InterDigital Communications, Corp.	C. Camp	X	X
9. Lucent Technologies, Inc.	C. Blum	X	X
10. Motorola, Inc.	S. Dennett	X	X
11. NEC America, Inc.	S. Jones	X	X
12. Nokia Mobile Phones	S. Willhoff	X	X
13. Panasonic	S. McConoughey		X
14. Qualcomm	E. Tiedemann	X	X
15. Qwest	C. Cook		
16. Rogers Wireless, Inc.	P. Oldfield		X
17. SBC Technology Resources, Inc.	T. Watts	X	X
18. Sprint PCS	D. Baldwin	X	X
19. Telcordia Technologies	B. Pramanik	X	X
20. Toshiba	S. Sheldon	X	X
21. Universal Wireless Communications	R. Downes	X	X
22. Verizon Wireless	C. Carroll	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. Nortel Networks	L. Valerius		X
3. Oki Network Technologies	<i>Vacant</i>		X
4. Tantivy Communications	C. Barber	X	

Others Present

Member	Representative
1. ATIS	E. Hall
2. CIS	P. Hollar
3. CIS	L. Degni
4. CMG	S. Burgess
5. Consultant	E. Schimmel
6. CTIA	R. Kemper
7. Ericsson	G. Gardner
8. Lucent Technologies, Inc.	J. Alphonse
9. Lucent Technologies, Inc.	J. Brownley
10. Lucent Technologies, Inc.	P. Nurse
11. Motorola	J. Kay
12. Nokia, Inc.	T. Brooks
13. Sprint PCS	B. Egbert
14. TIA	D. Bart
15. TIA	J. Derr
16. TIA	B. Belt
17. TIA	S. Hoyler
18. University of Pennsylvania, Wharton	G. Dokko
19. Verizon Wireless	G. Flynn

[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 TR45 Committee was convened on September 5, 2001, at The Boston Park Plaza Hotel, Boston, MA at 8:10 AM local time.
 - C.Blum/Chair TR45 called the meeting to order and welcomed the TR45 membership to Boston. Welcomed was Gina Dokko, a third year PhD student at Wharton, observing the standardization process. Sad news was shared on the recent death of Clif Barber's son. And, status was shared on the health of Akio Sasaki, the ARIB Head of Delegation, who suffered a stroke at the July 26, 2001 3GPP2 meeting in Seoul, Korea.
2. Meeting attendance was recorded as indicated by the above list and quorum was established.
3. The attached meeting agenda was reviewed and approved. It was suggested that agenda item 10e follow agenda item 7 to conduct the TR45 Vice-Chair election earlier during the meeting.
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
TR45/01.09.05.01	Meeting Agenda	C. J. Blum Chair TR45	3
TR45/01.09.05.02	TR-45 Meeting Report of March 7, 2001	J. Brownley Secretary	6
TR45/01.09.05.03	TR-45 Committee Correspondence	J. Brownley Secretary	7

TR45/01.09.05.04R1	Report of TIA Subcommittee TR45.1 to TIA Committee TR45	J. Kay Chair TR45.1	8a, 13b, 13d
TR45/01.09.05.05	Subcommittee TR45.2 Report	T.Watts Chair TR45.2	8b, 10a, 13b, 13d
TR45/01.09.05.06R1	Report of TR45.3 to TR45	P. Nurse Chair TR45.3	8c, 11d, 13b, 13d
TR45/01.09.05.07	Engineering Subcommittee TR45.4 Report to TR45	S. Jones Chair TR45.4	8d, 13b, 13d
TR45/01.09.05.08	TR45.5 Report	J. Alphonse Chair TR45.5	8e, 13b, 13d
TR45/01.09.05.09R1	TR45.6 Report	E.Campbell Chair TR45.6	8f, 13b, 13d
TR45/01.09.05.10	AHAG Report	C. Carroll Chair AHAG	8g
TR45/01.09.05.11	AHG on NRM, Acronyms & Definitions, Guide to Standards (NAG) Report	B. Slocum Chair NAG	8h
TR45/01.09.05.12	AHG on UIM/ESN Report	T.Watts Chair AHG on UIM/ESN	8j
TR45/01.09.05.13	ESN Administrator's Report	J. Willse ESN Administrator	8j
TR45/01.09.05.14	TR-45 Program Management Report	B.Kidwell TR45 Program Manager	8k
TR45/01.09.05.15	CTIA Liaison Report	R. Kemper CTIA Liaison	11a
TR45/01.09.05.16	ITU-R Liaison Report	M. Epstein ITU-R Liaison	11e
TR45/01.09.05.17R1	OAS/CITEL Liaison Report	G. Gardner CITEL Liaison	11f
TR45/01.09.05.18	3GPP2 Liaison Report	S.Dennett 3GPP2 Liaison	11i
TR45/01.09.05.19	ATIS Liaison Report	E.Hall ATIS Liaison	11k
TR45/01.09.05.20	TR45 Committee Correspondence Re: J-STD-025 Packet Data Service	J.Brownley Secretary	8b, 10a
TR45/01.09.05.21	TR45 Committee Correspondence Re: TR45 3G Security Support	J.Brownley Secretary	8c
TR45/01.09.05.22	TR45 Committee Correspondence Re: EP-SCP Terminal Profile Harmonization	J.Brownley Secretary	8c
TR45/01.09.05.23	TR45 Committee Correspondence Re: ECA Support in IS-2000-A	J.Brownley Secretary	8e
TR45/01.09.05.24	TR45 Committee Correspondence Re: 3GPP2 UIM_ID Administration Guidelines	J.Brownley Secretary	9a
TR45/01.09.05.25	TR45 Committee Correspondence Re: CTIA's Location Information Privacy Policy	J.Brownley Secretary	9b
TR45/01.09.05.26	TR45 Committee Correspondence Re: T1P1 Plans for GPRS and UMTS Lawful Intercept Standards	J.Brownley Secretary	10b
TR45/01.09.05.27	TR45 Committee Correspondence Re: ESN Reuse	J.Brownley Secretary	8j

TR45/01.09.05.28	TR45 Committee Correspondence Re: Industry Response to DoS Request	J.Brownley Secretary	10d
TR45/01.09.05.29	TR45 Committee Correspondence Re: Industry Response to DoS Request	J.Brownley Secretary	11k
TR45/01.09.05.30	TR45 Year 2001 Meeting Schedule	J.Brownley Secretary	13a
TR45/01.09.05.31	TR45 Year 2002 Meeting Schedule	J.Brownley Secretary	13c
TR45/01.09.05.32	TR45 Committee Correspondence Re: 3GPP2 2002 Meeting Calendar	J.Brownley Secretary	13d
TR45/01.09.05.33	TR45 Committee Correspondence Re: TR45 Actions Relative to the Updated TIA Engineering Manual	J.Brownley Secretary	11h
TR45/01.09.05.34	TR45 Committee Correspondence Re: Nominations for Vice-Chair of Engineering Committee TR45	J.Brownley Secretary	10e
TR45/01.09.05.35	TR45 Committee Correspondence Re: ITU-R WP 8F Recommendation M.1457	J.Brownley Secretary	11e
TR45/01.09.05.36	TR45 Committee Correspondence Re: TR45 Liaison to WAG16 Recommendation	J.Brownley Secretary	10c
TR45/01.09.05.37	TR45 Committee Correspondence Re: TR45.2 Quorum Removal	J.Brownley Secretary	8b
TR45/01.09.05.38	TR45 Committee Correspondence Re: 3G Network Architectures	J.Brownley Secretary	8b
TR45/01.09.05.39	LAES Ad-Hoc Group August 29 th Meeting Report	T. Brooks Chair LAES AHG	10a
TR45/01.09.05.40	Vice-Chair Engineering Committee TR45	E. Salas Verizon Wireless	10e
TR45/01.09.05.41	WCD Report to TR45	B. Belt TIA	11g
TR45/01.09.05.42	Press Release from TIA	S. Hoyler TIA	10h
TR45/01.06.06.20	Report on May 2-3, 2001 TIA WCD and TC Meetings	C. Blum Chair	9b
TR45/01.06.06.12	TR-45 2000/2001 Workplan	B.Kidwell TR45 ISD Program Mgr	9e
TR45/01.06.06.29	Standardized Wireless LAN for TR-45 and its subgroups	P.Nurse Lucent Technologies	8i
TR45/01.06.06.41	Survey Results	S.Hoyler TIA	8i

6. The meeting report of June 6-7, 2001 numbered TR45/01.09.05.02 was reviewed. A motion was made and passed with no objections to approve the meeting report with the following modifications.
 - Change "TR45.4" to "TR45.6" in page 8, section 9f.
 - Change "works" to "work" in page 9, section 9f.
7. In terms of correspondence, the following item was addressed:
 - **Document 05.03** - This correspondence was provided for information.

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

- a. **TR45.1 Subcommittee** - J. Kay provided Document 05.04R1 as the written report. It was reported that there is one active project in TR45.1, the second default ballot of the addendum PN-3-4862-AD1-1 (TIA/EIA/IS-817-1) to add optional methods for geo-location services on analog systems. It was noted that a potential new project is a revision of TIA/EIA/TSB-70-A to include changes associated with Over-The-Air (OTA) messaging for analog across technologies. In accordance with the updated TIA Engineering Manual, elections of Chair and Vice-Chair were to occur at the October 2, 2001 TR45.1 meeting.
- b. **TR45.2 Subcommittee** - T.Watts provided Document 05.05 as the written report. It was noted that T.Watts was prepared to comply with the TIA copyright policy. Attention was drawn to the ballots of three documents. The ANS ballot of PN-3590 (TIA/EIA-41-E Parts 000 and 5XX series) closed September 10, 2001. The ballot of CDMA Packet Data Services Phase 1 closed November 5, 2001. And, the ballot of ANS-124 Revision D closed October 8, 2001. Moreover, the Subcommittee recommended that the T1/TIA TR45.2 LAES Ad-Hoc Group become a TR45 level Ad-Hoc Group due to the wider scope of the packet work. Further discussion of this recommendation was deferred until agenda item 10a. Documents 05.20, 05.37, and 05.38 were provided for information. Discussion of Document 05.20 was deferred until agenda item 10a. Relative to Document 05.38, it was noted that all TR45 Subcommittees Chairs are not required to give prior notice to member companies in jeopardy of being removed from quorum.
- c. **TR45.3 Subcommittee** – P.Nurse provided Document 05.06R1 as the written report. It was reported that Subcommittee TR45.3 has completed its work on Revision C of TIA/EIA-136, the TDMA Third Generation Wireless Standards. At the sixth meeting of ITU-R Working Party 8F in Tokyo, Japan in October 2001, it was anticipated that all steps would be completed for inclusion of the complete Revision C package in the next revision of ITU-R Recommendation M.1457, "Detailed Specifications of the Radio Interfaces of IMT-2000." It was noted that the work plans for Revision D were under consideration, with an anticipated ballot-ready date of October 2001. It was reported that Peter Nurse of Lucent Technologies and Steve Willhoff of Nokia were re-elected by acclamation as TR45.3 Chair and Vice-Chair, respectively. Discussion of the TR45.3 input to ITU-T SSG on "IMT-2000 and Beyond" was deferred until agenda item 11d. Documents 05.21 and 05.22 were provided for information.
- d. **TR45.4 Subcommittee** – S.Jones provided Documents 05.07 as the written report. S.Jones indicated that he was prepared to comply with the TIA copyright policy. It was pointed out that Interoperability Specifications (IOSs) associated with ANS/TIA/EIA-2001 Revisions B and C are anticipated. It was noted that the Tandem Free Operation (TFO) document would address CDMA only. TR45.4 Chair and Vice-Chair elections are scheduled for December 2001 to align the terms in office with year 2002. The expectation is that the LAES packet data work in TR45.4 will be in coordination and cooperation with the TR45 LAES AHG.
- e. **TR45.5 Subcommittee** – J.Alphonse provided Document 05.08 as the written report and indicated his willingness to comply with the TIA copyright policy. It was reported that TR45.5 re-elected by acclamation Jean Alphonse of Lucent Technologies as Chair and elected Clif Barber of Tantivity as Vice-Chair. It was reported that 1xEV-DO has been submitted for inclusion in the next revision of the ITU-R Recommendation M.1457. And, plans are underway for 1xEV-DV. It was noted that cdma2000 Revision C would consist of 1xEV-DV and other Revision C features. Document 05.23 was provided for information.

- f. **TR45.6 Subcommittee** – E.Campbell provided Document 06.09R1 as the written report. TR45.6 held an election for Vice-Chair resulting in the election by acclamation of Wayne Bowen of Motorola. It was noted that the 2002 April, May, and August TR45.4 meeting locations have changed though the dates remain the same. Highlights of recent TR45.6 activities included the publication of TIA/EIA/IS-835-A the cdma2000 Wireless IP Network Standard in May 2001 and the publication of TIA/EIA-732 the Cellular Digital Packet Data (CDPD) Standard in July and August 2001.
- g. **Ad Hoc Authentication Group (AHAG)** – C. Carroll provided Document 05.10 as the written report and agreed to comply with the TIA copyright policy. It was recommended that TR45 provide the ITU-T with a reference to the official TR45 website that contains the CCA, Rev D.1 provided that the website utilizes adequate access control to prevent members of the seven EAR restricted countries from downloading the CCA Rev D.1 document. It was suggested that this issue be further investigated in terms of the type of information desired by the ITU-T. It was suggested that the type of information desired might be of a non-detailed technical nature and not conflict with U.S. export policy. It was noted that the AHAG met jointly with the 3GPP2 TSG-S to discuss the scope and charter of the newly formed TSG-S WG4 (i.e., the new 3GPP2 Security Working Group.) It was agreed that the WG4 would assume responsibility for all cdma2000 security architecture and protocol work while the AHAG would continue to address cryptographic algorithm development and analysis. It was noted that co-located meetings will be held to the extend possible relative to National security concerns. It was noted that the AHAG work plan for Enhanced Cryptographic Algorithms (ECA) includes Revisions 0 through C with Revision C targeted for completion in November 2001.
- h. **AHG on NRM, Acronyms & Definitions, Guide to Standards (NAG)** - B. Slocum provided Document 05.11 as the written report. The published version of TSB-100-A has been made available. In terms of future revisions, input is anticipated from 3GPP2 TSG-S. It was noted that all changes to the Network Reference Model (NRM) would be contribution driven.
- i. **AHG on Electronic Media Documentation** – S.Hoyler provided a brief verbal report. It was indicated that the meeting originally planned to address TR45 electronic resource needs was not held due to the lack of urgency at the time. However, it was suggested that the meeting be convened as planned at a later date. Documents 06.06.29 and 06.06.41, carried forward from the June 6-7, 2001 TR45 meetings, were provided for information.

The Committee recessed for a break at 10:45 AM and reconvened at 11:05 AM.

- j. **AHG on UIM/ESN** - T.Watts provided Document 05.12 as the written report and indicated his willingness to comply with the TIA copyright policy. The AHG recommended that ESN Manufacturer Codes in the 129 to 216 range be used as UIM-IDs rather than identifying new codes for UIM-ID manufacturer code assignment use. TR45 validated the use for assignment of the 129 to 216 range for UIM-IDs contingent on feedback from the TR45 Subcommittees. Document 05.12 was remanded to the Subcommittees (except for TR45.6) to review and report directly back to the AHG and the ESN Administrator on any potential impacts from the use of the codes in the 129 to 216 range as UIM-IDs.
 - **ESN Administration** – J.Willse provided Document 05.13 as the written report. And, Document 05.27 was provided for information. It was noted that only 80 ESN codes remain available for assignment. At the present assignment rate, the 32-bit ESN Manufacturer Code exhaust was projected for 3Q04. It was once again stressed that an alternative process must be considered as soon as possible in order to allow for an efficient change in the assignment procedure. Furthermore, it was noted that with the manufacturer of “disposal” cellular phones the subsequent request for ESN codes would cause a more rapid depletion of ESN codes. It was suggested that TR45 identify a “drop dead date” to either use an expanded ESN code or some other alternative. The AHG on UIM/ESN indicated its intent to offer an alternative at the next TR45 meeting in November 2001. Concern was raised relative to the problem caused by the overlap of ESN codes and UIM-IDs.

It was noted for the record that no new ESN codes would be used for UIM-IDs at this time. Nevertheless, TR45 validated the use for assignment of ESN codes in the 129 to 216 range for UIM-IDs contingent on feedback from the TR45 Subcommittees. Both CTIA and ATIS agreed to carry the ESN concerns back to their constituencies and to identify ESNs that have not been used for authentication over a period of time. Both ATIS and CTIA agreed to provide feedback at the next TR45 meeting in November 2001. Bill Belt, TIA, reported on the status of the correspondence to the FCC regarding ESN re-use effective June 2002. TIA was still awaiting a reply from the FCC. In addition, it was noted that the FCC NPRM on Part 22 relative to ESN re-use would be addressed during the TIA Report under agenda item 11h. Eric Schimmel indicated that the ITU had expressed the need for a single global terminal identifier and requested that TR-45 provide input for the upcoming ITU-R WP8F meeting in Tokyo in October 2001. Furthermore, it was noted that the ITU-R was seeking to administer the identifier. It was suggested that this discussion be deferred to the ITU-R Report under agenda item 11e. It was shared with the membership that the next TR45 meeting in Atlanta, GA in November 2001 would be John Willse's last TR45 meeting. He would be retiring at that time.

- k. **TR45 Standards Development Program Report** – J.Brownley, on behalf of B.Kidwell, provided Document 05.14 as an updated version of the TR45 Program Management Report, Version 4.0. Document 05.14 was remanded to the Subcommittee Chairs to take action as appropriate to ensure and clarify end-to-end support. The Chairs were directed to respond directly back to B.Kidwell in time to update prior to the next TR45 meeting in November 2001. In addition, the Subcommittee Chairs were asked to provide their 2002 work plans into the next TR45 meeting in November 2001.

10. Regarding new business, the following item was addressed:

- e. **TR45 Vice-Chair Election** - Documents 05.34 and 05.40 were provided for information for consideration. Two candidates were nominated for the TR45 Vice-Chair position prior to the August 1, 2001 cut-off date, Steve Dennett of Motorola and Gerry Flynn of Verizon Wireless. There were no additional nominations from the floor during the TR45 meeting. The TR45 membership took the opportunity to thank Peter Nurse for his work, support, and commitment to TR45 in his role as the former Vice-Chair of TR45 and indicated that his continued participation in the leadership of TR45 is invaluable. Each of the two candidates provided a few words on their qualifications and willingness to serve in the role of TR45 Vice-Chair. TIA staff conducted the election for TR45 Vice-Chair via paper ballot.

The Committee recessed for a break at 12:10 PM and reconvened at 12:20 PM.

- e. **TR45 Vice-Chair Election (continued)** - During the recess TIA staff counted the ballot votes. It was reported that Gerry Flynn of Verizon Wireless received the majority vote and was elected the new Vice-Chair of TR45.

The Committee recessed for the lunch at 12:20 PM and reconvened at 2:05 PM.

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

- a. **ESN Reuse Relative to the 3GPP2 UIM_ID administration Guideline** – Document 05.24 was provided for information. There was no action required of Committee TR-45.

- b. **Location Technology Privacy Policy Comments** - At the request of the TIA Wireless Communications Division (WCD), TR45 offered comments on Location Technology Privacy policy. In general, it was noted that the standards developed in TR45 comply with the principles outlined in the CTIA Location Information Privacy Policy document relative to security, integrity, consent, and technology neutrality. It was suggested that there is nothing in the TR45 standards to impede or restrict end users with the possible exceptions being emergency services and surveillance standards. In addition, it was noted that TR45 does not develop policy. Nevertheless, the standards developed by Committee TR45 are taken into consideration in the generation of telecommunication policy. It was recommended that the WLIA be made aware of this activity and its input solicited. It was noted that the WLIA Executive Director, John Jimison can be contacted at 202-955-6067 x308 john@bcjLaw.com. Documents 05.25 and 06.06.20 were provided for information.
- c. **Subcommittee Leadership Election Confirmations** - It was reported that leadership elections were held in most of the TR45 Subcommittees as follows. John Kay of Motorola was re-elected by acclamation as the TR45.1 Chair. There were no nominations for TR45.1 Vice-Chair. Peter Nurse of Lucent Technologies and Steve Willhoff of Nokia were re-elected by acclamation as TR45.3 Chair and Vice-Chair, respectively. TR45.5 re-elected by acclamation Jean Alphonse of Lucent Technologies as Chair and elected Clif Barber of Tantivity as Vice-Chair. TR45.6 held an election for Vice-Chair resulting in the election by acclamation of Wayne Bowen of Motorola. It was noted that TR45.4 Chair and Vice-Chair elections are scheduled for December 2001. Thanks were extended to the member companies and individuals for their commitment to support and willingness to serve in the elected positions. TR45 to forward correspondence to the TIA Standards Secretariat with the election results.
- d. **Location Technology Performance Standards for Analog Mobile Stations** – Subcommittees TR45.3 and TR45.5 were queried about their plans relative to location technology performance standards for analog mobile stations. TR45.5 indicated that it expects to address analog work after the completion of its CDMA specifications at the end-of-year 2001. TR45.3 indicated that it had no plans at the time other than to put the item before its membership at the next TR45.3 meeting. All were reminded that work in the Subcommittees would be contribution driven.
- e. **TR45 Features and Capabilities End-to-End Support** – Covered previously under agenda item 8k.

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

- a. **Recommendation to form a TR45 LAES Ad-Hoc Group** – Document 05.05 was re-introduced relative to the Subcommittee TR45.2 recommendation that its LAES Ad-Hoc Group be moved under Committee TR45 to solicit wider input relative to various technologies. Documents 05.20 and 05.39 were provided for information for consideration to take action as appropriate. TR45 agreed without objection to establish a new Ad Hoc Group on LAES at the TR45 level under the scope and charter provided in Document 05.39. Terri Brooks of Nokia and Gary Pellegrino of CRAG, Inc. were appointed Chair and Vice-Chair, respectively. TR45 agreed to the solicitation of input from other industry and standards fora to address the broader range of systems and technologies associated with packet mode communications surveillance with correspondence to be sent from TR45 to the identified invitation list. Those who wish to receive TR45 LAES Ad-Hoc Group announcements and reports were encouraged to send e-mail to joinlaes@tiacom.org with no text in the subject or body of the message.

For the record Telecordia, expressed concern that TIA procedure was not appropriately followed at the August 29, 2001 meeting of the T1/TIA TR45.2 LAES Ad-Hoc Group relative to the motion made to submit a PN request to move forward with a revision to J-STD-025-A to refine the packet data surveillance. It was noted that “motion” should have been correctly referred to as a “straw poll” because AHGs can not make motions. After lengthy discussion, TR45 indicated that it would provide formal correspondence in response to address Telecordia’s concern.

It was suggested that an efficient method and process to refine the packet data surveillance specifications would be to revise the existing J-STD-025 document in line with industry desires as indicated by the “straw poll.” So relative to the PN request in Document 05.39, it was agreed by TR45 to initiate a PN to revise J-STD-025-A to refine the packet data surveillance specifications and that the PN request would be forwarded to TIA as amended.

- b. **Lawful Intercept Standards for GPRS and UMTS** – Document 05.26 was provided for information. There was no action required of Committee TR45.

The Committee recessed for a break at 3:30 PM and reconvened at 3:55 PM.

- c. **Proposed TR45 Liaison to WAG 16** – Document 05.36 was provided for information for consideration. As a result of a TIA request regarding the Working Advisory Group 16 (WAG16) relative to Intelligent Transportation Systems (ITS), the TR45 Subcommittee Chairs were directed to subscribe to the WAG16 reflector to receive information to determine any potential relevance and impact to the work in their respective TR45 Subcommittees. TR45 to forward the Subcommittee Chair’s e-mail addresses to WAG16. Document 05.36 was remanded to the Subcommittees Chairs for information to take action as directed. The TR45 Secretary to update Document 05.36 to 05.36R1 to include the attachments as provided by the TR45 Chair and to post the revised contribution to the TR45MAIN ftpsite.
- d. **Industry Response to DoS IP Request** – Document 05.28 was provided for information for consideration. The relevant TR45 Subcommittees were requested to provide input via TIA to the U.S. Government Department of State (DoS) request for industry input on IP. It was noted that the information on IP-related work would be an additional input to RAST10 from TIA. Thus, Document 05.28 was remanded to the TR45 Subcommittee Chairs (except for TR45.1) and the AHAG to review and provide input to TIA via the designated website as soon as possible. TR-45 to notify David Thompson of TIA of the planned TR-45 actions as well as request an extension of the due date.

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

- a. **CTIA** – R.Kemper provided Document 05.15 as the written report.
- b. **T1S1, T1E1 & T1A1** – T.Watts indicated that there was no report.
- c. **T1P1** – T.Watts indicated that there was no report.
- d. **ITU-T** – The ITU-T Liaison remains vacant. There was no report. Nevertheless, TR45.3 provided input to the ITU-T SSG in response to the recommendations in Document TR45/01.06.06.37. TR45 to forward the relevant information from the TR45.3 Report in Document 05.06R1 to the ITU-T SSG. No other Subcommittees indicated any input in response to Documents TR45/01.06.06.37 and TR45/01.06.06.37A.
- e. **ITU-R** – On behalf of M.Epstein, C.Blum presented Document 05.16 as the written report. It was noted that during the WP8F meeting in Tokyo in October 2001 that there were plans to hold a joint meeting on “vision beyond 3G” with the ITU-T SSG. To address the TIA request for TR45 input to ITU-R regarding a single global terminal identifier, TR45 suggested that a neutral third party be identified to do professional number administration and that the number scheme provide one type of information, namely manufacturer only. In addition, there were no objections by TR45 to TIA playing a role in the administration of this unique identifier. Document 05.35 was provided for information.
- f. **CITEL** – G.Gardner presented Document 05.17R1 as the written report. It was reported that CITEL has improved its meetings by utilizing wireless LAN technology. TR45 was credited with serving as a model wireless LAN technology users. It was noted that TIA has signed a MoU with CITEL. Relative to the CCT, there was nothing to report.

- g. **Wireless Communications Division (WCD) – C.Blum** provided a brief verbal report. It was noted that the TIA WCD and TC meetings would be held September 6 and 7, 2001, respectively, immediately following the TR-45 meeting at The Boston Park Plaza Hotel in Boston, MA.
- **Regulatory and Policy Issues** – B.Belt provided Document 05.41 as the written. The report provided an update from the TIA Wireless Communications Division on regulatory issues as well as an update of the Technical Regulatory Issues Committee (TRIC). Attention was drawn to recent TIA FCC filings on items such as 911 callback and Part 22. One of the major issues noted was the ESN exhaust letter officially submitted from TIA to the FCC Wireless Bureau on August 24, 2001. Regarding the TRIC, it was noted that Supplement C for SAR measurements was released in June 2001 and that the FCC had increased funding for the FCC lab. B.Belt's continued presence at the Committee TR-45 meetings was encouraged.
 - **Technical Regulatory Issues Committee (TRIC)** - See the Regulatory and Policy Issues report above.
- h. **TIA** – S. Hoyler provided a brief verbal report. It was mentioned that a 30-day ballot of the TIA Style Manual would be issued the week of September 10, 2001 and that the long awaited 2000 STAR publication was available on-line at the TIA website. Document 05.42 was presented by D.Bart of TIA. It provided an overview of the TIA Board of Directors (BoD) motivation and plans for the spin-off of the TIA standards organization into a new entity. All were encouraged to contact TIA directly for more detailed information. It was noted that negotiations relative to the consolidation of the U.S. standards developing organizations had stalled. Document 05.33 was provided for information.

The Committee recessed for the day at 5:45 PM on Wednesday, September 5, 2001 and reconvened at 10:05 AM on Thursday, September 6, 2001.

- i. **3GPP2** – S.Dennett provided Document 05.18 as the written report. It was noted that the 3GPP2/IETF cooperation agreement was approved by the IETF. Attention was drawn to the revised 2002 3GPP2 TSG meeting schedule in Document 05.32. It was agreed that the meeting schedule would be addressed under agenda item 13d relative to co-located meetings of TSGs A, N, and P and the associated TR45 Subcommittees.
- j. **3GPP** – L.Nikkari was not present. There was no report. The TR45 Secretary agreed to follow-up with L.Nikkari relative to his intentions to continue in the role of 3GPP Liaison.
- k. **ATIS** – E.Hall provided Document 05.19 as the written report. Attention was drawn to the recent activities of the Inter-Active Voice Response (IVR Forum) as well as the TTY Technical Standards Implementation (TTSI) and Point Code Control and Ownership (PCCO) incubator solutions programs. It was noted that a TDMA field test was scheduled for the week of September 10, 2001 in the Chicago, AWS service area. It was noted that the results of the TDMA field test would be published on the TTSI website and that TR45.3 would be notified of the posted results. Regarding CDMA and GSM TTY technology standards field tests, it was reported that those schedules were not known, at the time. However, it was noted that plans were to schedule the other technology trials prior to the next TTSI incubator meeting in October 2001. Document 05.29 was provided for information.
12. In review of assignments, they are identified per above.
13. Review Meeting Schedules
- a. **TR45 2001 Schedule** – Document 05.30 was provided for information.
 - b. **Subcommittees and AHG 2001 Schedules** - Documents 05.04R1, 05.05, 05.06R1, 05.07, 05.08, and 05.09R1 were provided for information.

- c. **TR45 2002 Schedule** – Document 05.31 was provided for information.
- d. **Subcommittees and AHGs 2002 Schedules** – Document 05.32 was provided for information. It was noted that the associated TR45 Subcommittees had no problems with coordinating co-located meetings with the associated 3GPP2 TSGs. Documents 05.04R1, 05.05, 05.06R1, 05.07, 05.08, and 05.09R1 were provided for information.

14. Open Discussion

- Document 06.01 was provided by TIA relative to contribution template language. The proposed contribution template language in Document 06.01 was not adopted. It was noted that there was not and there is not local TR45 contribution template language. It was re-iterated that contributions submitted to Committee TR45 and its sub-elements are required to comply with the language in Annex G of the updated TIA Engineering Manual effective June 1, 2001 and enforced by Committee TR45 as of July 1, 2001.
 - It was noted that the RAST10 meeting would be held in conjunction with the GSC7 meeting November 4-8, 2001 in Sydney, Australia. It was noted that there would be a TIA Delegation with S.Hoyler as the Head. It was noted that on behalf of the TR45 Chair, the TR45 Secretary would represent TR45 at the RAST10 meeting.
 - Allen Groh, Chair TIA WCD TRIC, provided a presentation on mutual recognition of technical regulations relative to telecommunications equipment for information. Comments from Committee TR45 were welcomed. A courtesy copy of the presentation would be posted to the TR45MAIN ftpsite.
15. 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 11:25 PM local time September 6, 2001.

Cheryl J. Blum
Chair
Engineering Committee TR45

Jane C. Brownley
Secretary
Engineering Committee TR45

Organization: ANSI Accredited Engineering Committee TR45
Mobile & Personal Communications Standards (TR45)
Chair: Cheryl J. Blum
Lucent Technologies, Bell Labs
630-713-1449, Fax 630-713-1921
Date: Wednesday, September 5 through Thursday, September 6, 2001
Time: Convene at 8:00 AM Local Time
Adjournment at approximately 5:00 PM Local Time
Location: The Boston Park Plaza Hotel
64 Arlington Street
Boston, MA 02116
Telephone: 617-426-2000
Fax: 617-426-5545
Rate: \$150.00
Cut-off: August 5, 2001

EDC Cut-off: August 29, 2001 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 (TR45/01.09.05.01)
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 (TR45/01.09.05.02)
7. Correspondence (TR45/01.09.05.03)
8. Reports
 - a. TR45.1 Subcommittee, J.Kay (TR45/01.09.05.04R1)
 - b. TR45.2 Subcommittee, T.Watts, (TR45/01.09.05.05), (TR45/01.09.05.20), (TR45/01.09.05.37), (TR45/01.09.05.38)
 - c. TR45.3 Subcommittee, P.W. Nurse (TR45/01.09.05.06R1), (TR45/01.09.05.21), (TR45/01.09.05.22)
 - d. TR45.4 Subcommittee, S.S. Jones (TR45/01.09.05.07)
 - e. TR45.5 Subcommittee, J. Alphonse (TR45/01.09.05.08), (TR45/01.09.05.23)
 - f. TR45.6 Subcommittee, E.Campbell (TR45/01.09.05.09R1)
 - g. Ad Hoc on Authentication Group (AHAG), C. Carroll (TR45/01.09.05.10)
 - h. AHG on NRM, Acronyms & Definitions, Guide to Standards (NAG), B.Slocum (TR45/01.09.05.11)
 - i. AHG on Electronic Media Documentation, *Vacant*
 - Application of Web Technology to Standards Committees, S.Hoyler (TR45/01.06.06.29), (TR45/01.06.06.41)
 - j. AHG on UIM/ESN, T.Watts (TR45/01.09.05.12)
 - ESN Administrator Report, J.Willse (TR45/01.09.05.13), (TR45/01.09.05.27)
 - k. TR-45 Standards Development Program Report, B.Kidwell (TR45/01.09.05.14)

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 For TIA ftp site assistance contact Stephanie Montgomery, Manager, Technical & Regulatory Affairs at (703) 907-7735 or smontgom@tia.eia.org

Organization: ANSI Accredited Engineering Committee TR45
Mobile & Personal Communications Standards (TR45)
Date: Wednesday, September 5 through Thursday, September 6, 2001
Time: Convene at 8:00 AM Local Time
Adjournment at approximately 5:00 PM Local Time

AGENDA (cont'd)

9. Old Business
 - a. ESN Exhaust Relative to the 3GPP2 UIM_ID Administration Guidelines (*TR45/01.09.05.24*)
 - b. Location Technology Privacy Policy Comments (*TR45/01.06.06.20*), (*TR45/01.09.05.25*)
 - c. Subcommittee Leadership Election Confirmations
 - d. Location Technology Performance Standards for Analog Mobile Stations
 - e. TR45 Features and Capabilities End-to-End Support (*TR45/01.06.06.12*)
10. New Business
 - a. Recommendation to form a TR45 LAES Ad-Hoc Group (*TR45/01.09.05.39*), (*TR45/01.09.05.05*), (*TR45/01.09.05.20*)
 - b. Lawful Intercept Standards for GPRS and UMTS (*TR45/01.09.05.26*)
 - c. Proposed TR45 Liaison to WAG 16 (*TR45/01.09.05.36*)
 - d. Industry Response to DoS IP Request (*TR45/01.09.05.28*)
 - e. TR45 Vice-Chair Election (*TR45/01.09.05.34*), (*TR45/01.09.05.40*)
11. Liaison Reports
 - a. CTIA, K.Condello (*TR45/01.09.05.15*)
 - b. T1S1, T1E1 & T1A1, T. Watts
 - c. T1P1, T.Watts
 - d. ITU-T, Vacant (*TR45/01.09.05.06R1*)
 - e. ITU-R, M.Epstein (*TR45/01.09.05.16*), (*TR45/01.09.05.35*)
 - f. CITEL, G.Gardner (*TR45/01.09.05.17R1*)
 - CITEL Consultative Committee on Telecommunications (CCT), G.Gardner
 - g. Wireless Communication Division (WCD), Chair
 - Regulatory and Policy Issues, B.Belt (*TR45/01.09.05.41*)
 - Technical Regulatory Issues Committee (TRIC), B.Belt
 - h. TIA, S.Hoyler (*TR45/01.09.05.33*), (*TR45/01.09.05.42*)
 - TIA TC, TSSC, S.Hoyler
 - Other TIA Standards and Engineering Committee Activities, S.Hoyler
 - i. 3GPP2, S.Dennett (*TR45/01.09.05.18*), (*TR45/01.09.05.32*)
 - j. 3GPP, L.Nikkari
 - k. ATIS, E.Hall (*TR45/01.09.05.19*), (*TR45/01.09.05.29*)
12. Review Assignments
13. Review Meeting Schedules
 - a. TR45 2001 Schedule (*TR45/01.09.05.30*)
 - Nov 28-29 Atlanta, GA
 - b. Subcommittees and AHGs 2001 Schedules, (*TR45/01.09.05.04R1*), (*TR45/01.09.05.05*), (*TR45/01.09.05.06R1*), (*TR45/01.09.05.07*), (*TR45/01.09.05.08*), (*TR45/01.09.05.09R1*)
 - c. TR45 2002 Schedule (*TR45/01.09.05.31*)
 - Mar 06-07 Vancouver, BC, Canada
 - Jun 05-06 Chicago, IL
 - Sep 04-05 Washington, DC (area)
 - Dec 04-05 Los Angeles, CA (area)
 - d. Subcommittee and AHGs 2002 Schedules (*TR45/01.09.05.04R1*), (*TR45/01.09.05.05*), (*TR45/01.09.05.06R1*), (*TR45/01.09.05.07*), (*TR45/01.09.05.08*), (*TR45/01.09.05.09R1*), (*TR45/01.09.05.32*)
14. Open Discussion (*TR45/01.09.06.01*)
15. Adjournment

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.)



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-45 Meeting Report
Date: 9/5-6/01
Location: Boston, MA

Approved: 11/16/01
T# 6129