

**Telecommunications Industry Association  
TR45 Committee  
Mobile & Personal Communications Standards (TR45)  
Report of Meeting  
November 29, 2000  
Swissotel, Atlanta, GA**

**Quorum List, Members Present**

Member	Representative	Attendance	
		Last	Prior
1. 3Com Corporation	E. Campbell	X	X
2. AT&T Wireless Services	P. Musgrove	X	X
3. Bell South Cellular	A. Thomas	X	X
4. CDMA Development Group	S. Samra	X	X
5. CRAG	J. Willse	X	X
6. Ericsson	B. Slocum	X	X
7. Fujitsu	S. Takenaka		
8. InterDigital Communications, Corp.	B. Kiernan	X	X
9. Lucent Technologies, Inc.	J. Marinho	X	X
10. Motorola, Inc.	K. Skurnak	X	X
11. NEC America, Inc.	S. Jones	X	X
12. Nokia Mobile Phones	S. Willhoff	X	X
13. Nortel Networks	G. Patel	X	X
14. Oki Network Technologies	C. Barber	X	X
15. Panasonic	S. McConoughey		X
16. Qualcomm	M. Epstein	X	X
17. Qwest	C. Cook		X
18. Rogers Wireless, Inc.	P. Oldfield	X	X
19. SBC Technology Resources, Inc.	T. Watts	X	X
20. Siemens Telecom Networks	B. Krehl	X	X
21. Sprint PCS	D. Baldwin	X	X
22. Telcordia Technologies	A. Thaper	X	X
23. Toshiba	S. Sheldon		
24. U.S. Cellular	C. Wood		
25. Universal Wireless Communications	S. Mickool	X	X
26. 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. AirCell	D. McKenna		
2. Alps Electric	R. Miyano	X	X
3. Bell Mobility	C. Vinodrai		

4. Compaq Telecom	S. Lim		X
5. Philips Consumer Communications	Y. Guo	X	X

### Others Present

Member	Representative
1. ATIS	E. Hall
2. Booz-Allen & Hamilton	M. Risser
3. Booz-Allen & Hamilton	C. Loudon
4. CTIA	R. Kemper
5. DISA	B. Choi
6. DynCorp	M. Puckett
7. Ericsson	G. Gardner
8. Lucent Technologies, Inc.	J. Alphonse
9. Lucent Technologies, Inc.	C. Blum
10. Lucent Technologies, Inc.	J. Brownley
11. Lucent Technologies, Inc.	T. Jacobson
12. Lucent Technologies, Inc.	B. Kidwell
13. Lucent Technologies, Inc.	P. Nurse
14. Lucent Technologies, Inc.	F. O'Brien
15. Motorola	J. Kay
16. Motorola	S. Migaldi
17. Motorola	S. Dennett
18. NCS	C. Taylor
19. NCS	G. Frederick
20. Qualcomm	F. Quick
21. Panasonic	M. Karimian
22. Telecommunications Solutions	D. DeVaney
23. TIA	B. Belt
24. TIA	S. Hoyler
25. TIA	B. Zidek-Conner
26. TIA	E. Schimmel
27. UWCC	L. Nikkari
28. 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.]

1. The TR45 Committee was convened on November 29, 2000, at the Swissotel, Atlanta, GA at 9:00 AM local time.
  - J.Marinho/Chair TR45 called the meeting to order and welcomed the TR45 membership to Atlanta, GA. A warm welcome was extended to Shila Mickool, UWC President & CEO. J.Marinho indicated that this would be his last TR45 meeting in the official capacity as Chair. The TR45 membership acknowledged their appreciation for J.Marinho's standards leadership over the years.
2. Meeting attendance was recorded as indicated by the above list and quorum was established.
3. The attached meeting agenda was reviewed and approved.
4. Regarding the Early Disclosure of Essential Patents, the Chair made the required Advisory Note #11C statement relative to the TIA IPR Policy. 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
TR45/00.11.29.01	Meeting Agenda	J. A. Marinho Chair TR45	3
TR45/00.11.29.02	TR-45 Meeting Report of August 30, 2000	J. Brownley Secretary	6
TR45/00.11.29.03	TR-45 Committee Correspondence	J. Brownley Secretary	7
TR45/00.11.29.04	Report of TIA Subcommittee TR45.1 to TIA Committee TR45	J. Kay Chair TR45.1	10a, 14b
TR45/00.11.29.05	Subcommittee TR45.2 Report	C. Blum Chair TR45.2	10b,11b, 12b,14b
TR45/00.11.29.06	Report of TR45.3 to TR45	P. Nurse Chair TR45.3	10c,12b, 14b
TR45/00.11.29.07	Engineering Subcommittee TR45.4 Report to TR45	S. Jones Chair TR45.4	10d,12b, 14b
TR45/00.11.29.08	TR45.5 Report	J. Alphonse Chair TR45.5	10e,12b, 14b
TR45/00.11.29.09	TR45.6 Report	E.Campbell Vice-Chair TR45.6	10f,12b, 14b
TR45/00.11.29.10	TR45.7 Activities Report	F. Stadler Vice-Chair TR45.7	10g,12b, 14b
TR45/00.11.29.11	CTIA Liaison Report	R. Kemper CTIA Liaison	9b
TR45/00.11.29.11A	A Best Practices Guide Re: Wireless Interference at 800MHz	R. Kemper CTIA Liaison	9b
TR45/00.11.29.12	AHG on ISD Report	C. Blum Chair AHG on ISD	10k
TR45/00.11.29.13	ESN Administration Report	J. Willse ESN Administrator	10l
TR45/00.11.29.14	AHAG Report	C. Carroll Chair AHAG	10h,11b
TR45/00.11.29.15	AHG on NRM, Acronyms & Definitions, Guide to Standards (NAG) Report	B. Slocum Chair NAG	10i
TR45/00.11.29.16	AHG on UIM/ESN Report	T.Watts Chair AHG on UIM/ESN	10l
TR45/00.11.29.17	ITU-T Liaison Report	C. Blum ITU-T Liaison	9f
TR45/00.11.29.18	ITU-R Liaison Report	M. Epstein ITU-R Liaison	9g
TR45/00.11.29.19	CITEL Liaison Report	G. Gardner CITEL Liaison	9h
TR45/00.11.29.20	3GPP2 Liaison Report	S.Dennett 3GPP2 Liaison	9k
TR45/00.11.29.21	ATIS Liaison Report	E. Hall ATIS Liaison	9m
TR45/00.11.29.22	TIA TC and WCD Meeting Report to Committee TR45	J.Brownley Secretary	9i
TR45/00.11.29.23	TIA Announces Restructure	S.Hoyler TIA Liaison	9j
TR45/00.11.29.24	TIA Press Release Bill Belt	S.Hoyler TIA Liaison	9j
TR45/00.11.29.25	TR45 Committee Correspondence Re: Call for TR45 Chair Nominations	J.Brownley Secretary	8

TR45/00.11.29.26	TR45 Committee Correspondence Re: ITU-R IMT-2000 Documents	J.Brownley Secretary	9g, 10c
TR45/00.11.29.27	TR45 Committee Correspondence Re: PLMN search and access technology lists	J.Brownley Secretary	10c, 10l
TR45/00.11.29.28	TR45 Committee Correspondence Re: TR45.7 Documents and Minutes	J.Brownley Secretary	10g
TR45/00.11.29.29	WIN Implementation of Priority Access Service (PAS) (WIP)	C.Taylor OMNCS	12c
TR45/00.11.29.29A	WIP Standards Requirement Document	C.Taylor OMNCS	12c
TR45/00.11.29.30	TR45 Year 2001 Meeting Schedule	J.Brownley Secretary	14a
TR45/00.11.29.31	TIA TR45 ESN Administrator's Recommendation for 14 Bit Assignment	J.Willse ESN Administrator	10l
TR45/00.11.29.32	ESN Guidelines Version 1.7	J.Willse ESN Administrator	10l, 11a
TR45/00.11.29.33	ESN Manufacturer Code Reuse Proposal	J.Willse ESN Administrator	10l
TR45/00.11.29.34	TFES Reports	J.Brownley Secretary	11c
TR45/00.11.29.35	TR45 Committee Correspondence Re: Joint Control of 3GPP Authentication and Key Agreement (AKA)	J.Brownley Secretary	10h, 11b
TR45/00.11.29.36	TR45 Committee Correspondence Re: Encryption Access	J.Brownley Secretary	10h
TR45/00.11.29.37	TR45 Committee Correspondence Re: Comments on TSB-100-A	J.Brownley Secretary	10i
TR45/00.11.29.38	TR45 Committee Correspondence Re: ALL-IP Meetings	J.Brownley Secretary	12b
TR45/00.11.29.39	Report of ITU-R Activities	E. Schimmel TIA	9g
TR45/00.11.29.40	TIA Press Release Billie Zidek-Conner	S. Hoyler TIA	9j
TR45/00.11.29.41	TR45 Committee Correspondence Re: Stage 1 Development	J.Brownley Secretary	9k
TR45/00.11.29.42	WCD TRIC Liaison Report to Committee TR-45	B.Slocum WCD TRIC Liaison	9i
TR45/00.08.30.05	Subcommittee TR45.2 Report	C. Blum Chair TR45.2	11b
TR45/00.08.30.14	AHAG Report	C. Carroll Chair AHAG	11b

6. The meeting report of the August 30, 2000 numbered TR45/00.11.29.02 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 29.03** - This correspondence was provided for information regarding the continued company support for the TR45.5 Chair. It was noted that Document 29.03R1 would be provided to reflect receipt of additional correspondence from 3Comm regarding support for Ed Campbell to serve in the role of TR45.6 Chair.
8. Committee TR45 Chair Election

Document 29.25 was provided regarding the call for the nomination of candidates for TR45 Chair. It was noted that only one nomination was received by the established November 1, 2000 deadline. It was noted that one additional nomination was received after the deadline. It was proposed that the nomination received after the deadline and nominations submitted from the floor be accepted at the meeting. A motion was made to rescind the previously established November 1, 2000 deadline for nominations. The motion carried with 16 votes for, 1 vote against, and the remaining voters abstained. There were no additional nominations from the floor. Thus, the nomination period officially closed at 9:41 AM EST November 29, 2000 with two nominees, namely, Cheryl Blum of Lucent Technologies, and Ken Skurnak of Motorola. It was noted that paper ballots were distributed one to each eligible member company and collected by TIA staff. It was noted that TIA Staff along with the TR45 Chair would count the ballots and announce the winner to the membership. Each candidate offered a few words on their respective backgrounds and experiences in standards.

The Committee recessed for a break at 10:00 AM and reconvened at 10:15 AM.

Based on the vote tally and verification by TIA Staff and the TR45 Chair, it was announced that Cheryl Blum won the election. It was agreed that TR45 would recommend to the TIA Technical Committee Chair that Cheryl Blum be the new TR45 Chair. The expectation is that the TIA Technical Committee Chair will accept the TR45 membership recommendation and issue official TIA correspondence before the end-of-year confirming Cheryl Blum as the new TR45 Chair.

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

- a. **FCC & IEEE** – S.McConoughy provided a brief verbal report noting that a U.S. spectrum auction relative to the C-Band was scheduled for December 12, 2000 barring any further postponements.
- b. **CTIA** – R.Kemper provided Document 29.11 as the written report. Items highlighted included the following.
  - The upcoming CTIA meeting to address the FCC mandate that all CMRS carriers deploy 711 dialing for access to Telecommunications Relay Services (TRS) with respect to potential impacts of the Americans with Disabilities Act of 1990.
  - The January 2001 CTIA educational outreach seminar on wireless number portability (WNP) targeted for non-porting carriers.
  - The streamlined CTIA certification program and welcomed input from TR45 on certification issues associated with embedded vehicle devices. And,
  - The interference between public safety wireless communication systems and commercial wireless communications systems at 800 MHz with the “Best Practices Guide” provided in Document 29.11A for TR45 review.
- c. **T1S1, T1E1 & T1A1** – T.Watts indicated that there was no report.
- d. **T1P1** – T.Watts indicated that there was no report.
- e. **TR-46** - There was no TR-46 report. C.Wallace was not present. However, TIA Staff noted that TR-plans to rescind a number of joint standards come January 2001.
- f. **ITU-T** – C.Blum provided Document 29.17 as the written report. Attention was drawn to key items related to Study Group 11 and the new Special Study Group (SSG) on IMT-2000 and Beyond. It was noted that a meeting was held on November 13, 2000 in San Francisco, CA to discuss collaboration and cooperation between the 3GPPs/SDOs/ITU relative to the work of the new SSG. A T1P1 proposal for a U.S. approval process for contributions targeted for submission to the SSG was provided for review and comments by TR45.

- g. **ITU-R** – M.Epstein provided Document 29.18 as the written report. It was reported that the matter of most interest to TR45 was probably the planned evaluation of the revisions to cdma2000 and UWC-136 for consideration by the ITU-R Working Party 8F as fully acceptable IMT-2000 standards. A new evaluation procedure was developed and approved such that all revisions would be reconsidered using the new procedure at the next WP 8F meeting February 21-27, 2001 in Morocco. E.Schimmel provided Document 29.39 that contained additional information on a number of recent meetings of ITU-R sub-groups. Document 29.26 was provided for information.
- h. **CITEL** – G.Gardner provided Document 29.19 as the written report. Attention was drawn to the new Working Group created to address terrestrial fixed and mobile radio communications services.
- i. **Public 800 Section** –
  - **WCD, TSSC, TC** – J.Brownley provided Document 29.22 as the written report. Concerns were raised regarding the TIA Technical Committee (TC) plans to extend the option to reference working documents/works in progress. It was suggested that references to works in progress be limited to informative as opposed to normative documents. It was further suggested that access to works in progress continue to be limited to the participants of the formulating group. Additionally, concern was raised regarding the impact to TIA in terms of providing copies on request of the various works in progress. It was agreed that the position of TR45 is to reject the option to reference working documents. It was agreed with no objections to share these expressed opinions of TR45 with the TIA TC. Regarding TIA e-association needs, it was noted that surveys were sent to the Subcommittee Chairs who subsequently provided input to TIA. Nevertheless, the TR45 Secretary was directed to solicit and consolidate any additional input from the Subcommittee and AHG Chairs and to provide feedback directly to D.Bart, TIA, within the next 30-60 days. Additionally, P.Nurse agreed to serve as the TR45 representative on the TIA E-Association Committee with D.Bart. Regarding TIA awards and recognition, a motion passed without objections to recommend J.Marinho to TIA for a recognition reward. TIA Staff indicated that it is seeking the names of editors and other active participants within Subcommittees and AHGs as candidates for rewards to be recognized in front of their peers. Subcommittees and AHGs were asked to identify candidates and submit candidates directly to TIA as well as report reward recipients at the quarterly TR45 meetings. It was noted that other National and International standards organizations also have recognition programs in place that TR45 may wish to take into consideration.
  - **WCD Technical Regulatory Issues Committee (TRIC)** – B.Slocum provided Document 29.42 as the written report. It was reiterated that any technical documents submitted by TR45.3 and TR45.5 into ETSI relative to the R&TTE Directive would be copied to the TRIC. Additionally, TR45.3 and TR45.5 were directed to attend the upcoming TRIC meeting January 17, 2001 in Columbia, MD to present an overview of the R&TTE Directive activities.

The Committee recessed for lunch at 12:00 PM and reconvened at 1:10 PM.

- j. **TIA** – S.Hoyler provided Documents 29.23, 29.24, and 29.40. It was reported that effective January 1, 2001, the restructure at TIA would take place as outlined in Document 29.23. Bill Belt was introduced as the new TIA Director of the Wireless Communications Division relative to technical and regulatory affairs. Billie Zidek-Connor was congratulated on her recent promotion from Standards Secretariat to Manager, Standards Secretariat Services. It was noted that the automatic balloting process would be enhanced to incorporate a registration process such that a password would be assigned to each registered voter so that TIA would no longer issue a password per ballot. A special thank-you was extended to B.Zidek-Connor for all of the process improvements to date relative to the balloting process.
- k. **3GPP2** – S.Dennett provided Document 29.20 as the written report. The major activity reported was that the ALL-IP Ad-Hoc has concluded its work as described in Document 29.20. And, to facilitate the development of the ALL-IP specifications, meetings of the TSG-A, TSG-N, and TSG-P would be co-located in 2001 where possible. Document 29.41 was provided for information.

- l. **3GPP** – L.Nikkari provided a brief verbal report. The items highlighted from the recent 3GPP meetings held in San Francisco, CA the week of November 13, 2000 were reported as follows. The MWIF and 3G.IP were inducted into 3GPP as Market Representation Partners (MRPs). Regarding work in the 3GPP TSG GERAN, Chuck Bailey, SBC, is conducting a 6-month evaluation on its progress and impact. And, the MRPs presented a 2G to 3G roadmap on a common 3G architecture.
  - m. **ATIS** - E.Hall provided Document 29.21 as the written report. Document 29.21 was remanded to TR45.2 to address the IFAST issue regarding an international TLDN field of up to 15 digits. Document 29.21 was remanded to TR45.3 and TR45.5 for information for consideration relative to the TTY Forum activities and the attachment on enhanced protocol. It was reported that an IMSI Technical Summit is scheduled for February 7-8, 2001 in Savannah, GA.
10. The following Subcommittee and ad hoc group reports were provided:
- a. **TR45.1 Subcommittee** - J. Kay provided Document 29.04 as the written report. It was reported that an Ad-Hoc Group was formed to complete the baseline text by January 2001 on TIA/EIA/IS-817-1 for geo-location services. Revision B of TIA/EIA-553, the core analog air interface document, plans include plus code dialing and GECO. TR45.1 was notified that TIA-690 finally was approved as an American National Standard. It was noted that the TR45.1 2001 calendar is being addressed.
  - b. **TR45.2 Subcommittee** – C. Blum provided Document 29.05 as the written report. Items highlighted included the following. TR45.2 work with the AHAG on AKA based ESA issues continues. The Packet Data Services Phase 1 to support IS-2000-A is under development with 3GPP2 TSG-N. The recommendation for publication of the ANSI version of J-STD-025A on LAES was suspended pending FCC action. New projects include CDMA Subscribers Roaming Between GSM MAP and TIA/EIA-41 Networks. The TR45.2 2001 work plan was provided for review and acceptance by TR45.
  - c. **TR45.3 Subcommittee** – P. Nurse provided Document 29.06 as the written report. Attention was drawn to the 2001 meeting dates that are very fluid at this time. It was reported that TR45.3 is currently in the process of ballot, default ballot, re-ballot and ANSI ballot of various standard parts of Revision C of TIA/EIA-136. Regarding RSPC, editorial updates were submitted to the ITU-R on schedule. However, it was noted that the ITU-R failed to reach agreement on an update to the terrestrial component of the RSPC. Regarding the TR45.3 workplan, items intended for Revision D of TIA/EIA-136 were listed. Documents 29.26 and 29.27 were provided for information.
  - d. **TR45.4 Subcommittee** – S. S. Jones provided Documents 29.07 as the written report. It was reported that Document 29.07 reflects joint activities with 3GPP2 TSG-A as well as anticipated inputs from TSG-A for TR45.4 to address. Additionally, it was noted that joint meetings have been held with MWIF and others. To ensure that all TR45.4 constituencies' interests are being addressed, TR45.4 was directed to develop a specific TR45.4 meeting schedule and work plan for 2001. The TR45.4 meeting dates reflected in Document 29.07 are subject to change. With support from TIA, the TR45.4 meeting schedule should be clarified within 30-days.
  - e. **TR45.5 Subcommittee** – J. Alphonse provided Document 29.08 as the written report. It was noted that TR45.5 continues to work in conjunction with 3GPP2 TSG-C. It was reported that a number of standards were released for publication as well as 60- or 30- day ballots during 3Q00. Regarding IS-801-1, it was not released as reported, however, it would be issued for ballot within the week. A Liaison Statement was submitted to ETSI EP-SCP to promote global R-UIIM harmonization. It was noted that a new TSG-C Working Group was enabled to conduct a technology assessment of the four 1xEV-DV proposals under consideration. It was requested that the TR45.5 2001 work plan be nailed down as soon as possible. TIA indicated that there are TR45.5 participating companies that are not in good financial standing with TIA. Effective January 1, 2001, TIA will provide lists of Subcommittee member companies in good standing with TIA to the respective Subcommittee Chairs.

- f. **TR45.6 Subcommittee** – E. Campbell provided Document 29.09 as the written report. It was reported that TR45.6 is awaiting an RFC number assignment from the IETF. The RFC number is needed so that TR45.6 can proceed with the release for publication of TIA/EIA/IS-835 and TIA/EIA/TSB-115. It was agreed that TIA Staff would contact IETF to facilitate publication of the standards. IS-732 (CDPD) ANSI ballot work is nearly completed. Regarding the appointment of a new TR45.6 Chair, the membership of TR45.6 recommended Ed Campbell as its candidate to serve as Chair. A motion passed without objection to appoint Ed Campbell of 3Com Corporation Chair of Subcommittee TR45.6.
- g. **TR45.7 Subcommittee** – J.Marinho, on behalf of F.Stradler, presented Document 29.10 as the written report. P. Oldfield of Rogers Wireless agreed to assist in contacting F.Stradler to locate the documents needed by TIA to close out the outstanding TR45.7 projects. A motion passed with no objections to disband Subcommittee TR45.7. It was noted that any outstanding TR45.7 work would be addressed at the Committee TR45 level. Document 29.28 was provided as information for consideration.

The Committee recessed for a break at 3:00 PM and reconvened at 3:15 PM.

- h. **Ad Hoc Authentication Group (AHAG)** – C. Carroll provided Document 29.14 as the written report. T. Inkelbarger of AWS was appointed to serve as the TR45 Liaison to 3GPP S3 without objection. TR45.3 and TR45.5 were directed to work with the AHAG relative to support of the local authentication key and report back at the next TR45 meeting in March 2001. In addition, the AHAG reported that AES was selected as the Enhanced Subscriber Privacy algorithm. Documents 29.35 and 29.36 were provided for information for consideration.
  - i. **AHG on NRM, Acronyms & Definitions, Guide to Standards (NAG)** - B. Slocum provided Document 29.15 as the written report. It was approved that the NAG would forward to TIA TSB-100-A for ballot. Document 29.37 was provided for information.
  - j. **AHG on Electronic Media Documentation** – There was no report. However, all were encouraged to adhere to the TR45 process for uploading contributions prior to the meeting by the designated cut-off date. C. Barber of Oki Network Technologies agreed to provide both a wired and wireless LAN at the Committee TR45 meetings going forward. TIA agreed to investigate securing the required hub so that various wireless LAN cards could be utilized. It was noted that the availability of a LAN does not preclude the requirement to upload contributions prior to the meeting.
  - k. **AHG on International Standards Development (ISD)** – B.Kidwell provided Document 29.12 as an updated version of the TR45 year 2000 work plan. It was suggested that two of the TR45.2 items be renamed to incorporate ANSI-41 and ANSI-41 / GSM MAP, respectively, (i.e., International Roaming and CDMA/GSM Interoperability (2G).) In addition, the TR45.3 TIA/EIA-136 Revision D date “Approve for Ballot” should be October 2001 as opposed to the “Approve for Publication” date as indicated. It was noted that the updated version of the TR45 Workplan would be make available on the ftpsite under the TR45MAIN/Public directory.
- **3G Standards Development Program Report** – Covered under agenda item 10k above.
- l. **AHG on UIM/ESN** - T.Watts provided Document 29.16 as the written report. It was reported that the recommendation to reuse ESN codes that requires changes to the ESN Assignment Guidelines and FCC regulation would be addressed by the Ad Hoc Group and a white paper presented at the next TR45 meeting in March 2001. It was noted that issues regarding IMEI were still being discussed. Document 29.27 was provided as information for consideration.



- **ESN Administration** – J. Willse provided Document 29.13 as the written report. It was reported that there are 98 codes available with a projected exhaust date of 2Q05. Regarding Document 29.33 on ESN reuse, there were no objections to the approach as proposed. In general, the two step approach would be to define the procedure and to petition the FCC through TIA. At the March 2001 TR45 meeting the procedures will be reviewed for approval. A sense of urgency in the matter of ESN reuse was stressed. J. Willse was directed to work with CTIA and TIA to give the FCC a heads-up that the proposal would be forth coming. Document 29.31 on 14-bit assignment recommendation was provided for information. The ESN Guidelines Version 1.7 was provided in Document 29.32.
- **Re-Affirmation of ESN Administrator** - John Willse was reaffirmed as ESN Administrator for another year without objection. A need to identify an apprentice to J. Willse was acknowledged. Consideration of volunteers was encouraged.

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

- a. **Actions to Address ESN Exhaust** – Documents 29.23 was provided for information as addressed under agenda item 10l.
- b. **Relationship between TIA and 3GPP** – It was noted that any requests relative to the relationship between TIA and 3GPP would be tabled at this time and that Liaisons between TIA TR45 and 3GPP that currently exist would continue.
  - **Relative to Security** – The relationship between TR45 and 3GPP relative to security was addressed previously under agenda item 10h.
  - **Appointment of a TR45 representative to 3GPP S3** – The appointment of a TR45 representation to 3GPP S3 was addressed previously under agenda item 10h.
  - **Relative to TSG GERAN Activities** – It was reported that the proposal in TR45.3 to request TIA to become a 3GPP organizational partner was defeated in TR45.3.
  - **Relative to Equipment Identification** – The issue relative to equipment identification was addressed previously under agenda item 10l.
- c. **European Harmonised Standards in Support of the R&TTE Directive** – Document 29.34 was provided for information for consideration. Subcommittees TR45.3 and TR45.5 were directed to continue to participate in the activity and to take actions as appropriate.

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

- a. **Subcommittee TR45.6 Chair Appointment** – The appointment of the TR45.6 Subcommittee Chair was addressed previously under agenda item 10f.
- b. **2001 Work Plans** - The Subcommittees' 2001 work plans were covered under the respective Subcommittee Reports under agenda item 10. The Subcommittees were directed to provide updated 2001 work plans at the next TR45 meeting March 2001 and to the TR45 Program Manager.
- c. **WIN Implementation of Priority Access Services (PAS) (WIP)** – Documents 29.29 and 29.29A were presented by C. Taylor of the Office of the Manager, National Communications System (OMNCS) and M. Puckett of DynCorp Information Systems on Wireless Intelligent Network (WIN) Implementation of Priority Access Service (PAS) – WIP. The WIP SRD in Document 29.29A was remanded to TR45.2 and TR45.4 for review and consideration for project initiation. Thoughts are that there are no air interface impacts. However, it appears that there maybe some security related issues. Therefore, Document 29.29A was remanded to the AHAG to review for security concerns. Additionally, it was noted that there is a PACA solution already available for consideration to address the concerns raised in the WIP SRD.
- d. **Other** -

- **Wireless ALL IP Networks** – It was suggested by the TR45 Leadership that an open Joint Experts Meeting (JEM) on ALL IP Networks was warranted in early 2001 to address the following needs.
  - To conduct an inventory of the wireless ALL IP Network initiatives across the various industry and standards bodies.
  - To identify overlaps and similarities within the industry. And,
  - To generate recommendations to go forward to the respective industry and standards bodies to guide their respective work programs.

Concerns were raised that it was too late to launch a JEM. However, there were also thoughts that it is not too late that opportunities for synergies still exist. Lacking significant support to initiate a JEM, the item was dropped.

13. In review of assignments, they are identified per above.
14. Review Meeting Schedules
  - a. **TR45 2001 Schedule** – Documents 29.30 was provided for information.
  - b. **Subcommittees and AHG 2001 Schedules** - Documents 29.04, 29.05, 29.06, 29.07, 29.08, 29.09, and 29.10 were provided for information.
15. Regarding open discussion, J.Marinho shared a few parting words and TR45 members expressed their gratitude for J.Marinho's leadership over the years.
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 5:35 PM local time November 29, 2000.

John Marinho  
Chair  
Engineering Committee TR45

Jane C. Brownley  
Secretary  
Engineering Committee TR45

**Organization:** ANSI Accredited Engineering Committee TR45  
Mobile & Personal Communications Standards (TR45)  
**Chair:** John A. Marinho  
Lucent Technologies, Bell Labs  
973-386-2886, Fax 973-386-3601  
**Date:** Wednesday, November 29 through Thursday, November 30, 2000  
**Time:** Convene at 9:00 AM Local Time  
Adjournment at approximately 5:00 PM Local Time  
**Location:** Swissotel  
3391 Peachtree Road NE  
Atlanta, GA 30326  
**Reservations:** 800-253-1397 (refer to TIA)  
**Telephone:** 404-365-0065  
**Fax:** 404-365-8787  
**Rate:** \$149.00  
**Cut-off:** October 31, 2000  
**EDC Cut-off:** November 22, 2000 COB Local 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 (*TR45/00.11.29.01*)
4. Advisory Note #11C (see Note 3 below) re: Early Disclosure Policy
5. Introduction of Contributions & Numbering (Please see Note 2 below.)
6. Review of Meeting Report from Previous Meetings, Secretary (*TR45/00.11.29.02*)
7. Correspondence (*TR45/00.11.29.03*)
8. Committee TR45 Chair Election (*TR45/00.11.29.25*)
  - Review Candidates & Conduct Election for Recommendation to Technical Committee
9. Liaison Reports
  - a. FCC & IEEE, S. McConoughey
  - b. CTIA, K. Condello (*TR45/00.11.29.11*), (*TR45/00.11.29.11A*)
  - c. T1S1, T1E1 & T1A1, T. Watts
  - d. T1P1, T. Watts
  - e. TR46, C. Wallace
  - f. ITU-T, C. J. Blum (*TR45/00.11.29.17*)
  - g. ITU-R, M. Epstein (*TR45/00.11.29.18*), (*TR45/00.11.29.26*), (*TR45/00.11.29.39*)
  - h. CITELE, G. Gardner (*TR45/00.11.29.19*)
  - i. Commercial Mobile Radio Section (CMRS), Chair
    - WCD, TC, TSSC, Chair (*TR45/00.11.29.22*)
    - WCD Technical Regulatory Issues Committee (TRIC), B. Slocum (*TR45/00.11.29.42*)
  - j. TIA, S. Hoyler (*TR45/00.11.29.23*), (*TR45/00.11.29.24*), (*TR45/00.11.29.40*)

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.html](http://www.tiaonline.org/standards/sfg/edc_guidelines.html). For TIA ftp site assistance contact Stephanie Montgomery, Manager, Technical & Regulatory Affairs at (703) 907-7735 or smontgom@tia.eia.org

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### AGENDA (cont'd)

- k. 3GPP2, S.Dennett (*TR45/00.11.29.20*), (*TR45/00.11.29.41*)
- l. 3GPP, L.Nikkari
- m. ATIS, E.Hall (*TR45/00.11.29.21*)
- 10. Reports
  - a. TR45.1 Subcommittee, J.Kay (*TR45/00.11.29.04*)
  - b. TR45.2 Subcommittee, C. J. Blum (*TR45/00.11.29.05*)
  - c. TR45.3 Subcommittee, P.W. Nurse (*TR45/00.11.29.06*), (*TR45/00.11.29.26*), (*TR45/00.11.29.27*)
  - d. TR45.4 Subcommittee, S.S. Jones (*TR45/00.11.29.07*)
  - e. TR45.5 Subcommittee, J. Alphonse (*TR45/00.11.29.08*)
  - f. TR45.6 Subcommittee, *Vacant* (*TR45/00.11.29.09*)
  - g. TR45.7 Subcommittee, *Vacant* (*TR45/00.11.29.10*), (*TR45/00.11.29.28*)
  - h. Ad Hoc on Authentication Group (AHAG), C. Carroll (*TR45/00.11.29.14*), (*TR45/00.11.29.35*), (*TR45/00.11.29.36*)
  - i. AHG on NRM, Acronyms & Definitions, Guide to Standards (NAG), B.Slocum (*TR45/00.11.29.15*), (*TR45/00.11.29.37*)
  - j. AHG on Electronic Media Documentation, *Vacant*
  - k. AHG on International Standards Development (ISD), C.J.Blum (*TR45/00.11.29.12*)
    - 3G Standards Development Program Report, B.Kidwell
  - l. AHG on UIM/ESN, T.Watts (*TR45/00.11.29.16*), (*TR45/00.11.29.27*)
    - ESN Administrator Report, J.Willse (*TR45/00.11.29.13*), (*TR45/00.11.29.31*), (*TR45/00.11.29.32*), (*TR45/00.11.29.33*)
    - Re-Affirmation of ESN Administrator
- 11. Old Business
  - a. Actions to Address ESN Exhaust (*TR45/00.11.29.33*)
  - b. Relationship between TIA and 3GPP
    - Relative to Security (*TR45/00.08.30.05*), (*TR45/00.08.30.14*), (*TR45/00.11.29.05*), (*TR45/00.11.29.14*), (*TR45/00.11.29.35*)
    - Appointment of a TR45 representative to 3GPP S3 (*TR45/00.11.29.14*)
    - Relative to TSG GERAN Activities
    - Relative to Equipment Identification
  - c. European Harmonised Standards in Support of the R&TTE Directive (*TR45/00.11.29.34*)
- 12. New Business
  - a. Subcommittee TR45.6 Chair Appointment
  - b. 2001 Work Plans (*TR45/00.11.29.04*), (*TR45/00.11.29.05*), (*TR45/00.11.29.06*), (*TR45/00.11.29.07*), (*TR45/00.11.29.08*), (*TR45/00.11.29.09*), (*TR45/00.11.29.38*)
  - c. WIN Implementation of Priority Access Service (PAS) (WIP) (*TR45/00.11.29.29*), (*TR45/00.11.29.29A*)
  - d. Other
- 13. Review Assignments
- 14. Review Meeting Schedules
  - a. TR45 2001 Schedule (*TR45/00.11.29.30*)
    - Mar 7-8 Vancouver, BC, Canada

Note 3: TIA's patent policy can be found in Advisory Note 11C. Participants in the work of the TIA Formulating Group are urged to review this Advisory Note. Participants are encouraged to notify TIA of any patents of which they are aware that are related to the practice of a TIA publication early on in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. Patent searches are not required to comply with the TIA IPR policy. Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to practice TIA publications and for members to provide an indication of their willingness to license any known patents.

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**AGENDA (cont'd)**

- Jun 6-7 Chicago, IL
  - Sep 5-6 Boston, MA
  - Nov 28-29 Atlanta, GA
  - b. Subcommittees and AHGs 2000/2001 Schedules, (*TR45/00.11.29.04*), (*TR45/00.11.29.05*), (*TR45/00.11.29.06*), (*TR45/00.11.29.07*), (*TR45/00.11.29.08*), (*TR45/00.11.29.09*), (*TR45/00.11.29.10*)
15. Open Discussion
16. Adjournment

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## Approved by General Counsel

TR-45 Meeting Report

Date: 11/29/00

Location: Atlanta, GA

Approved: 12/29/00

**T# 5449**