



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-41 Meeting Report

Date: 05/13/05

Location: Portland, OR

Approved: 07/07/05

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**Telecommunications Industry Association
Standards and Technology Department**

**Engineering Committee TR-41
User Premises Telecommunications Requirements**

Meeting Report

**Chair: Stephen R. Whitesell
Vice-Chair: Roger W. Britt
Secretary: Harry A. Van Zandt**

**Date: May 13, 2005
Venue: Embassy Suites Downtown
City: Portland, OR**

1. Call to Order and Opening Business

a. Call to Order and Introductions

Chair Steve Whitesell called the meeting to order at 8:00 am, and the attendees introduced themselves.

b. Roll Call and Quorum

Roll call was taken and a quorum was declared with 15 of 17 voting member companies represented.

1) Quorum Members or Alternates Present

Alcatel – Arnaud Vergno
AST – Don McKinnon
ATLINKS – Roger Hunt
Avaya – Joanne McMillen
ECS – Harry Van Zandt
Littelfuse – Phillip Havens
Mitel – Greg Slingerland
Nortel – Roger Britt

Plantronics – Allen Woo
Siemens – Tailey Tung
Sprint – Amar Ray
UL – Randy Ivans
Uniden – Al Baum
VTech – Steve Whitesell
Wyle Labs – Jim Smith

2) Quorum Members Absent

Cisco – Bob Bell

Telcordia – Chrys Chrysanthou

3) Others Present

Avaya – Joachim Pomy
Industry Canada – Efrain Guevara
Industry Canada – Matthew Mulvihill

Siemens – Dave Vander Meiden
TIA Staff – Stephanie Montgomery

c. Review of Notice for Participation

The Chair brought the attention of meeting participants to the following Important Notice for Participation as found in the TIA Engineering Manual:

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by TIA's Senior Vice President, Standards and Special Projects on a case-by-case basis.

d. Review and Approve Agenda

The agenda was submitted for review with the following additions to the previously posted version: Review of Participation Notice (new item 1c) and liaison reports from the DSL Forum (item 4b) and ITU-T SGs 9 and 16. There was unanimous consent to approving the agenda as modified.

e. TIA Patent Policy

The Chair made the attendees aware of the following statement concerning TIA's Patent Policy and the desire for early disclosure of patents, the use of which may be essential to any standard or other document being developed for publication:

TIA's Intellectual Property Rights Policy can be found in Statements of Policy and subsequent sections of the TIA Engineering Manual. Participants in the work of the TIA Formulating Group are urged to review the appropriate Sections. Individual participants are encouraged to notify TIA of any patent(s) or published pending patent application(s) of which they are aware that may be essential to the practice of a proposed TIA Publication early on in its development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will become a Standard. However, a Patent Holder who has provided TIA with the statement set forth in ANNEX H with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patent(s) or published pending patent application(s) that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Intellectual Property Rights Policy.

f. Chair's Remarks

Chair Steve Whitesell discussed some of the important points about the changes in the revised TIA Engineering Manual that went into effect on May 1, 2005. The new Important Notice of Participation must appear on all meeting agendas and must be reviewed by the chair at the start of each meeting. The revised information concerning TIA's Intellectual Property Rights Policy must also be reviewed at the beginning of each meeting.

The engineering manual now makes a distinction between "submissions" and "contributions". While all contributions are submissions, not all submissions are contributions. A contribution is "any expression in tangible form that is intended to or may be incorporated in whole or in part in any TIA Publication or the work product of any TIA Formulating Group or any sub-element thereof." Examples of submissions that are not contributions include agendas, meeting reports, most liaison reports, and third party writings. Contributions must include a cover sheet providing specific information. Other types of submissions may use the cover sheet but are not required to do so. Word, Excel, and PowerPoint versions of the cover sheet to be used may be found on the TR-41 FTP site. We will continue to number all submissions using the document identification scheme that we have adopted.

The TR-41 FTP site has been revised for easier identification of the subcommittees and working groups. All entities are now identified using a capital "TR" and dots to separate the subcommittee and working group designations. This change has temporarily broken the links for the "FTP Public Entry" at the subcommittee and working group level. Until the links are fixed, the work around is to use the FTP Public Entry link at the TR41 level, move up to the Parent Directory twice, and then select the desired subcommittee or working group.

g. TIA Staff Remarks

TIA has assigned Paulette Korn's responsibility for handling meeting planning for the standards committees. She previously worked on meeting planning for the trade shows.

2. Previous Meeting Report

The report of the previous meeting was reviewed and approved without change.

3. Subcommittee Reports and Requests

TR-41's subcommittees and working groups met at various times from Monday through Thursday.

a. TR-41.1 – Multiline Terminal Systems – Tailey Tung

Subcommittee TR-41.1 and its TR41.1.1 working group on analog telephone port requirements for packet-based terminal adapter project met on Thursday, May 12, 2005.

Project Status: The following is a summary of the status of each project assigned to TR-41.1.

- PN-3-0190, 1544 kbps Interface Requirements for Packet-based Gateways (ANSI/TIA-1062 when published)

Current Status: TR41.1 reviewed the 4th draft standard and approved the Verizon proposal to remove the simplex power requirement from the DS1 voltage requirements. It was also agreed to send the 5th draft standard for ballot after the editor incorporated all the approved changes to the document.

Target Completion Date: 2/2006.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary agreement for requesting TIA to send the 5th draft TIA-1062 for ballot.

Plenary Action Taken: Unanimously approved.

- SP-3-0191, Analog Telephone Port Requirements for Packet-based Terminal Adapters (ANSI/TIA-1063 when published)

Current Status: The working group reviewed the 4th draft standard and accepted changes in the following areas:

- a. The line loop requirements.
- b. Minimum ring voltage requirements
- c. The V-I load characteristics.
- d. Flash-hook and disconnection timings.
- e. Standby mode requirements.
- f. Longitudinal and transverse balance limits.
- g. C message weighted noise level.

Target Completion Date: 5/2006.

- PN-3-4689-RV1, Voice Quality Recommendations for IP Telephony (TIA TSB-116-A when published)

Current Status: The SP-3-4689-RV1 ballot closed on April 21, 2005 with 0 Disapprove, 14 Approves, 1 approves with comments and 5 Ballots not returned. TR41.1 reviewed and resolved the editorial ballot comments in the 5/2004 meeting

Target Completion Date: 8/2005.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary concurrence for requesting TIA to publish the TIA TSB-116-A after the editor incorporated the approved editorial changes to the document.

Plenary Action Taken: Unanimously approved.

Additional Information: TR-41.1 would like to provide the following additional information.

- TR41.1 Vice-Chair election

Stephanie Montgomery conducted the TR-41.1 vice-chair election on May 12, 2005 in accordance with the TIA rules. Joachim Pomy of Avaya was the only nominee and was elected by acclamation.

- TIA request to upgrade, withdraw or revise TSB with “shalls”
 - a. TIA requires unanimous approval from committee members to upgrade a TSB to a TIA standard at a meeting. Because the last vote in 2/2005 meeting for TSB-123 upgrade included an abstention, TR41.1 re-voted again in 5/2005 meeting and was unanimously agreed to upgrade TSB-123 to a TIA standard. However there was a desire expressed to get input from a wider group of people.

Target Completion Date: 11/2005.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary agreement for administrative ballot to upgrade TSB-123 to TIA standard.

Plenary Action Taken: Unanimously approved.
 - b. TR41.1 is still waiting for a TIA reply on the possibility of continue keeping TSB32-A with “musts” and “shalls” without upgrading it to a TIA standard for the reason it is an informative document developed jointly by TR41.1 and ETSI. The “musts” and “shalls” in the document were citing requirements in the referenced standards from ETSI and TIA that could not be replaced by “should”. Chair Steve Whitesell agreed to take this issue to the Technical Committee for resolution.

- Liaison with DSL Forum and ITU-T on ATA standard

TR41 sent liaison letters to DSL Forum on February 16, 2005, informing them about the development of analog telephone port requirements for packet-based terminal adapters, and to ITU-T SG 9 and 16 on February 18, 2005, drawing their attention to the growing usage of packet-based terminal adapters over broadband media as an alternative means of connecting the analog telephones. DSL Forum is expected to reference TIA-1063 in their WT-122 document, and ITU-T will input the document to the relevant group of questions in SG9.

- New TR41.1 title and scope

For the reason the requirements developed by TR41.1 for VoIP equipment apply also to packet-based terminal equipment, TR41.1 voted and unanimously approved the Chair to request plenary agreement to revise the existing TR41.1 title and scope as follows:

TR-41.1 - Telephony Aspects of MLTS and [Packet-based](#) Equipment, including VoIP

TR41.1 develops and maintains voluntary standards and technical reports on the telephony aspects of Multi-Line Telecommunications Systems (MLTS) and Analog / Digital telephony interfaces for Voice over Internet Protocol (VoIP) [and Packet-based](#) equipment including the interconnection of this equipment in private networks. These standards and reports address performance, signaling, transmission, and other criteria essential to the telephony aspects of this equipment.

MLTS includes Private Branch Exchange and Key Telephone Systems. VoIP [and Packet-based](#) equipment includes, but is not limited to, gateways and terminal adapters for [VoIP](#) applications.

TR41.1 maintains liaison relationships with other standards development organizations and may undertake engineering studies if requested by TR-41.

- b. **TR-41.3 – Analog and Digital Wireline Terminals – Harry Van Zandt for James Bress**

Subcommittee TR-41.3 met on Thursday afternoon, May 12, 2005. Its various working groups met from Monday through Wednesday.

Project Status: The following is a summary of the status of each Project assigned to TR-41.3.

- PN-3-nnnx, Comparison of TIA-470-C and ETSI TS 103 021 Requirements (to become TSB-470)
Current Status: No contributions or work was performed on this project. It is expected with the completion of TIA-470.230 (Network Signaling) that work on this project will commence.
Target Completion Date: 11/2005
- PN-3-nnny, USB-Based Handsets, Headsets, and Speakerphones (to become ???)
Current Status: No contributions or work was performed on this project. It is expected when TIA-810-B is completed the efforts on the USB devices project will increase.
Target Completion Date: 08/2006
- PN-3-4350.330-RV3, Telephone Answering Devices (to become TIA 470.330-C)
Current Status: The TR41.3.12 working group met Wednesday morning and reviewed a contribution from Sprint. Need more contributions for progress.
Target Completion Date: 02/2006
- PN-3-4350.120-RV3, Hands Free Acoustic Performance Requirements for Analog Telephones (to become TIA-470.120-C)
Current Status: After much discussion the TR41.3.10 working group reached consensus that the standard will permit Handsfree acoustic testing using either the HATS or microphone/speaker method. A Coordinated Investigative Testing Group (CITG) was created consisting of John Bareham, Dan Foley, Glenn Hess, and Al Baum. The CITG members will test several handsfree telephone models using the test parameters agreed to during the meeting. The CITG test results will be examined, analyzed, and compared at the next TR41.3.10 meeting.
Target Completion Date: 05/2006
- PN-3-4350.130-RV3, Headset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.130-C)
Current Status: The TR41.3.11 working group discussed conventional Signal-to-Distortion and Noise Ratio requirement and the previously suggested second and third harmonic distortion. The consensus is to keep the Signal-to-Distortion and Noise Ratio requirement and do further study on the second and third harmonic distortion limit. The WG will reconsider second and third harmonic distortion limit and may put it on the document as a "should" if a contribution is received. Liaison with IEEE-STIT may help with these efforts. Also discussed issues regarding double receive volume control. Working group members agreed to submit new contributions relating to several open technical issues.
Target Completion Date: 02/2006
- SP-3-4350.230-RV3, Network Signaling Performance Requirements for Analog Telephones (to become TIA-470.230-C)
Current Status: The TR41.3.8 working group met Tuesday evening 7:30pm to 11:30pm to review the Industry ballot results. Comments accompanying two Yes ballots and the one No ballot were reviewed and resolved. The WG performed document work to address the editorial and technical comments. The document will be sent for default industry ballot.
Target Completion Date: 08/2005
Plenary Action Requested: Request concurrence to send SP-3-4350.230-RV3 (to become TIA-470.230-C) for Industry (ANSI) default ballot.
Plenary Action Taken: Approved with one abstention by Alcatel.

- PN-3-4350.320-RV3, Cordless Telephone Feature Performance Requirements (to become TIA-470.320)

Current Status: The TR41.3.9 working group made editorial changes to the existing draft document and reached consensus that it should be presented to the TR41.3 subcommittee for approval to go to committee ballot in time to resolve comments at the next meeting in August 2005.

Target Completion Date: 11/2005

Plenary Action Requested: Request concurrence to send PN-3-4350.320-RV3 (to become TIA-470.320-C) for committee ballot.

Plenary Action Taken: Approved with one abstention by Alcatel.

- PN-3-4353-RV2, Transmission Requirements for Narrowband Voice over IP and Voice over PCM Digital Wireline Telephones (to become TIA-810-B)

Current Status: The TR41.3.3 working group reviewed a number of contributions and edited the draft document. There are a number of outstanding items to be resolved and request was made for contributions at the next meeting

Target Completion Date: 02/2006

Additional Information: TR-41.3 would like to provide the following additional information.

- There were contributions from Al Baum (Uniden) and Steve Kropp (VTEch) regarding cordless telephone Hearing Aid Compatibility (HAC). The contributions presented the magnetic interference testing results for several telephones tested using a magnetic pickup coil and also using a hearing aid. Linda Spytek from Gallaudet University attended the meeting by teleconference. The next step is to test several cordless telephones at the upcoming SHHH conference for subjective feedback regarding interference issues. A request was made to open a new project to develop a standard for magnetic interference performance requirements.

Plenary Action Requested: Request concurrence to open a new project to develop a standard for cordless telephone magnetic interference performance requirements.

Plenary Action Taken: Approved with one abstention by Alcatel.

- A contribution from Steve Whitesell (VTEch) pointed out an error in the Longitudinal Balance requirements of TIA-470.210-C. He provided a draft text for an amendment to the document to correct the error. TR-41.3 agreed to circulate an Administrative ballot to authorize going to Industry Ballot with the addendum as required by the Engineering Manual since the intention to ballot was not pre-announced in the TR-41.3 agenda.

Plenary Action Requested: Request plenary concurrence for an administrative ballot to authorize sending draft amendment to TIA-470.210-C out for industry ballot and subsequently sending the amendment out for industry ballot if the administrative ballot passes.

Plenary Action Taken: Approved with one abstention by Alcatel.

- An item discussed during the TR41.3 meeting was the TIA-470.110-C reference to the artificial ear pinna that became available near the end of the testing during the development of this standard.

Plenary Action requested: Request concurrence to open a project to create an addendum to TIA-470.110-C making a modification to the specification of the Type 3.3 artificial ear.

Plenary Action Taken: Approved with two abstentions, one from Alcatel and the other from Avaya.

c. TR-41.4 – IP Telephony Infrastructure and Interworking - Bob Bell

Subcommittee TR-41.4 met on Tuesday and Wednesday, May 10 & 11, 2005.

Project Status: The following is a summary of the status of each Project assigned to TR-41.4.

- PN-3-0061, IP Telephony Security Framework (to become new TSB)
Current Status: Unchanged at this meeting - work was still on hold pending the completion of TIA-811-A. The expectation is that this work will progress again at the next meeting in August.
Target Completion Date: 11/2005
- PN-3-0102, Requirements for a Wireless LAN Based IP Telephony Subsystem (to become TIA-1002)
Current Status: A new contribution was received with proposed areas of focus. A more detailed contribution will be available at the next meeting in August.
Target Completion Date: TBD – previous target date was 05/2005
- PN-3-0103, Requirements for a Wireless LAN Based IP Telephony Endpoint (to become TIA-1003)
Current Status: No new contributions were received, but the editor is going to move forward with this work and is planning to provide contributions for the next meeting in August.
Target Completion Date: TBD – previous target date was 05/2005
- PN-3-0172, Enterprise Location Information Server Interfaces (to become TIA-1049)
Current Status: Unchanged. No new contributions were received, but there has been no indication yet that the 11/2005 completion date is no longer valid.
Target Completion Date: 11/2005
- PN-3-0185, Link Level Discovery Protocol (LLDP) – Media Endpoint Discovery (MED)
Current Status: All ballot comments were resolved (including those received outside TIA). There were no negative votes. However, there were numerous technical changes made so a default ballot will be required.
Target Completion Date: 11/2005
Plenary Action Requested: Concurrence to initiate a default ballot for technical changes only.
Plenary Action Taken: Approved with one abstention by ATLINKS.
- PN-3-0202, Technical Assessment of Synchronization Methods in IP Networks from a Quality of Experience Perspective
Current Status: Unchanged. No new contributions were received, but there has been no indication yet that the 05/2006 completion date is no longer valid.
Target Completion Date: 05/2006
- PN-3-4462-RV1, Performance and Interoperability Requirements for Voice-over-IP (VoIP) Telephone Terminals (to become TIA-811-A)
Current Status: All ballot comments were resolved. There were no negative votes. However, there were two technical changes made so a default ballot will be required.
Target Completion Date: 08/2005
Plenary Action Requested: Concurrence to initiate a default ballot for technical changes only.
Plenary Action Taken: Unanimously approved.

- PN-3-4726-RV1, Location Identification and Callback Procedures for IP Terminals (to become TSB-146-A)

Current Status: Unchanged. No contributions were made at this meeting, but the editor is planning to submit a proposed final version at the next meeting in August.

Target Completion Date: TBD – original date was 11/2004

Additional Information: TR-41.4 would like to provide the following additional information.

TR-41.4 was asked by TR-41 to provide a delegate to the TIA NGN (Next Generation Network) Formulating Group. Joachim Pomy will be the delegate for TR-41.

d. TR-41.7 – Environmental and Safety Considerations - Randy Ivans

Subcommittee TR-41.7 met on Thursday afternoon, May 12, 2005. Its 41.7.4 Working Group met on Monday morning, its 41.7.5 Working Group met on Wednesday, and its 41.7.1 Working Group met on Thursday morning.

Project Status: The following is a summary of the status of each Project assigned to TR-41.7.

- PN-3-3283-RV2, Environmental Considerations (to become TIA-571-B)

Current Status: There have still been some problems getting good participation at the meetings but work is progressing. It is estimated that it will require two more meetings to go through the rest of the technical issues and get the document ready for ballot. Right now the original 571A document is past due with ANSI. Since it is desirable to publish the new document rather than reaffirm the old, we will seek an extension from ANSI. We need to update the information on the TIA standards website to indicate that there is work in progress to complete the new document.

Target Completion Date: 2/2006

- PN-3-0129, Telecom Circuit Overcurrent Protectors (to be submitted to UL)

Current Status: A new draft was reviewed at the TR41.7.5 meeting. Participation was pretty good. The document format and layout were revised and tables added to consolidate some of the requirements. Although work is progressing, it is anticipated that additional time will be required before the document is ready. It is estimated it might take a meeting just to finalize all of the definitions. The target completion date has been extended.

Target Completion Date: 02/2006

Additional Information: TR-41.7 would like to provide the following additional information.

- At the TR41.7 meeting, it was brought to our attention that there is a new California law (effective July 1, 2006) dealing with efficiency of plug-in power units, the kind used with cordless phones, modems, etc. Documents relating to this can be found on the TR41.7 ftp site for Portland and are numbered –007L, -008L, -009L, and –010L. Basically it mandates certain efficiency requirements, which many current designs would find hard to meet. This may have a significant impact on the involved products.
- We found that the TIA has a representative on the NEC code panel 16 (Jim Romlein) dealing with telecommunications. We (TR41.7) don't know his role or responsibility with regard to the TIA. Randy Ivans will contact him and open lines of communication between him and TR41.7.
- The cell phone battery problems issue will be moved to TR41.7.1 now that CENELEC has accepted a mandate to develop a standard for safety considerations for batteries. We are seeking information on how we might be able to track this activity. We would like to set up a formal liaison with the committee.

Plenary Action Requested: Concurrence to set up a liaison with the appropriate CENELEC committee that is developing a standard for hand held equipment batteries.

Plenary Action Taken: Approved with one abstention by Alcatel.

- RoHS (Hazardous materials) and equipment is a hot topic and tracked by TR41.7. Randy Ivans reported that UL is presenting a few sessions at the TIA Supercomm show on Thursday, June 9 dealing with this issue. For those interested in this topic, see:

<http://www.supercomm2005.com/attendees/exhibits/extheater.cfm>

e. TR-41.9 – Terminal Attachment Programs – Greg Slingerland

Subcommittee TR-41.9 met on Tuesday afternoon, May 10, 2005. Its 41.9.2 Working Group met on Monday afternoon and Tuesday morning.

Project Status: The following is a summary of the status of each Project assigned to TR-41.9.

- PN-3-3602-RV3, Rationale and Measurement Guidelines for TIA-968 (to become TSB-31-C)
Current Status: Review and update to all sections now complete. Review of document as a whole has already begun.
Target Completion Date: 11/2005
- SP-3-0016-AD4, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (Fourth Addendum to TIA-968-A)
Current Status: It was decided at this meeting to begin work on Addendum 4 for TIA-968-A. We had one contribution approved that added something to TIA-968-A. We are expecting two or three more at the next meeting. It is hopeful that we can vote it to ballot at the next meeting.
Target Completion Date: 11/2005
- PN-3-4124, Responses to Part 68 and TIA-968 Questions (On-going effort)
Current Status: There were two questions since our last meeting that were directed to the TR41.9 chair. He responded to them and notified the subcommittee of the response (they have been included in the meeting report).
Target Completion Date: N/A

Additional Information: TR-41.9 would like to provide the following additional information.

- TR41.9 has completed its work on updating the Frequently Asked Question (FAQ) list that it maintains. The chair of TR41.9 will be sending a PDF file of the FAQ to TIA and request that it be posted on the TR41 web page in place of the FAQ information provided there today.
- TR41.9 will be sending an email to the ACTA requesting any comments that they have received on the Summary of Technical and Labeling Criteria Dates document that we sent to them, since it has been posed on the ACTA web site.
- As a result of the discussion held in TR41.9 on a proposal from Industry Canada to remove the Type B surge from TIA-968-A, the TR41.9 chair will be sending an email to TAPAC stating that "TR 41.9 reaffirms that Surge B has not outlived its usefulness and shall be retained in TIA-968-A. To achieve harmonization and to avoid deviation it is recommended that Type B surge be added to CS-03."

4. Liaison Reports

a. IEEE 802.11/19– Whitesell

Steve Whitesell reported the down-select vote on the 802.11n high throughput document (> 100 Mbps minimum) had resulted in a final candidate proposal. However, the vote was close and the final candidate did not achieve the 75% approval required on the subsequent confirmation vote. Input is being sought on what modifications are required in order to receive 75% approval. If the final candidate document fails to do so at the next meeting, the candidate proposal that lost the

down-select vote will be resurrected, and the down-select process will repeat with the two candidate proposals.

The IEEE 802.11r work on fast roaming handoff is progressing toward a down-select vote as well. This document has implications for wireless VoIP products as the roam between Access Points (APs). One of the driving considerations for this document is to make the handoff fast enough (< 50 ms) to avoid VoIP QoS issues while maintaining the required security.

The 802.19 TAG has successfully amended the IEEE 802 Policies & Procedures to require all new 802 wireless networking projects that use unlicensed spectrum to consider coexistence. Each project will have to create a Coexistence Assurance (CA) document and submit it along with their document when going to Letter Ballot. The CA document must address coexistence with existing 802 wireless standards. It is recommended that the CA document also address coexistence with other unlicensed users of the spectrum, such as cordless telephones.

b. DSL Forum – Whitesell

Steve Whitesell reported that he had sent a liaison letter (TR41-05-05-008) on the terminal adapter work to the DSL forum as requested by TR-41.1 and had received a reply (TR41-05-010). See the discussion under the TR-41.1 Subcommittee report (section 3a) for further details.

c. ITU-TSG 9 and 16

Steve Whitesell reported that he had also sent a liaison letter (TR41-05-05-009) on the terminal adapter work to ITU-T Study Groups 9 and 16 as requested by TR-41.1. He received confirmation the liaison had been received and was informed that it would be considered by these Study Groups at their next meetings.

5. Old business

None

6. New Business

The positions for chair and vice-chair of TIA-TR41 are up for election at the next meeting in August 2005. Interested parties should review TIA's requirements for these positions in Section 4 of the TIA Engineering Manual and submit their nominations.

7. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of August 8-12, 2005 in Halifax, Nova Scotia, Canada. The preliminary meeting schedule for the various TR-41 subcommittees and working groups is given in Appendix A. The details for the meeting hotel are as follows:

The Lord Nelson Hotel & Suites
 1515 South Park St.
 Halifax, Nova Scotia B3J2L2
 Reservations: 1-800-565-2020
 Phone: (902) 432-6331
 Fax: (902) 432-7148
 Room Rate: \$155.00 (Canadian)
 Cut off date: July 9, 2005
www.lordnelsonhotel.com

b. Future Meetings

The schedule for future TR-41 meetings is given below.

Date	Location
November 07-11, 2005	Santa Fe, NM
February 06-10, 2006	New Orleans, Savanna ??
May 08-12, 2006	San Francisco, Victoria ??

August 14-18, 2006
November 06-10, 2006

Montreal, Nashville ??
San Diego, Orange County ??

8. Adjournment

There being no further business, the meeting was adjourned at 10:00 am. This meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Harry A. Van Zandt
Secretary, TR-41

Stephen R Whitesell
Chair, TR-41

Appendix A
Tentative TR-41 Meeting Schedule for August 8-12, 2005 in Halifax, NS

MONDAY 0830 – 1230 8 Aug 2005	TR-41.3.3 Digital Xmission Perf (Macdonald – 25)	TR-41.7.4 Environmental (McKinnon – 20)		
MONDAY 1330 – 1730 8 Aug 2005	TR-41.3.3 Digital Xmission Perf (Macdonald – 25)	TR-41.7.4 Environmental (McKinnon – 20)	TR-41.9.2 Part 68 Measurements (Slingerland – 20)	
MONDAY 1800 – 1930 8 Aug 2005	TR-41 Leadership User Premises Eqpmt (Whitesell – 20)			
TUESDAY 0830 – 1230 9 Aug 2005	TR-41.3.11 Headset Telephones (Woo – 25)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.9.2 Part 68 Measurements TR-41.9 Regulatory (Slingerland – 20)	
TUESDAY 1330 – 1730 9 Aug 2005	TR-41.3.10 Hands Free Telephones (Baum – 25)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.9 Regulatory (Slingerland – 20)	
TUESDAY 1930 – 2200 9 Aug 2005				
WEDNESDAY Y 0830 – 1230 10 Aug 2005	TR-41.3.8 Network Signaling (McKinnon – 20) TR-41.3.12 Telephone Ans Devices (Bress – 20)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.7.5 Overcurrent Protection (Lindquist – 20)	
WEDNESDAY Y 1330 – 1730 10 Aug 2005	TR-41.3.9 Cordless Telephones (Van Zandt – 20)	TR-41.4 VoIP Systems (Bell – 20)	TR-41.7.5 Overcurrent Protection (Lindquist – 20)	
WEDNESDAY 1930 – 2200 10 Aug 2005				
THURSDAY 0830 – 1230 11 Aug 2005		TR-41.1.1 Analog Port TA (Tung – 20)	TR-41.7.1 Int'l Safety Standards (Ivans – 20)	
THURSDAY 1330 – 1730 11 Aug 2005	TR-41.3 Wireline Terminals (Bress – 20)	TR-41.1 MLTS & VoIP Eqpmt (Tung – 20)	TR-41.7 Environmental & Safety (Ivans – 20)	
THURSDAY 1930 – 2200 11 Aug 2005				
FRIDAY 0800 – 1030 12 Aug 2005	TR-41 Plenary User Premises Eqpmt (Whitesell – 20)			

**Appendix B
Document List**

TR41-05-05-000		TR-41 Document List for 2005
TR41-05-05-001-R1	Chair	Agenda for May 13, 2005 Meeting in Portland
TR41-05-05-002	Secretary	Report for February 11, 2005 Meeting in Las Vegas
TR41-05-05-003-MR1	41.1 Chair	Portland TR-41.1 Chair's Report
TR41-05-05-004-MR1	41.3 Chair	Portland TR-41.3 Chair's Report
TR41-05-05-005-M	41.4 Chair	Portland TR-41.4 Chair's Report
TR41-05-05-006-MR1	41.7 Chair	Portland TR-41.7 Chair's Report
TR41-05-05-007-MR1	41.9 Chair	Portland TR-41.9 Chair's Report
TR41-05-05-008	Chair	Liaison Letter to DSL Forum on Terminal Adapter Project
TR41-05-05-009	Chair	Liaison Letter to ITU-T SG 9 & 16 on Terminal Adapter Project
TR41-05-05-010a	DSL Forum	Liaison Reply on Terminal Adapter Project
TR41-05-05-010b	DSL Forum	Attachment to Liaison Reply on Terminal Adapter Project