Approved by General Counsel

TR-41 Meeting Report
Date: 08/12/05
Location: Halifax, NS, Canada

Approved: 10/04/05
T# 8889

Telecommunications Industry Association
Standards and Technology Department

Engineering Committee TR-41
User Premises Telecommunications Requirements

Meeting Report

Chair: Stephen R. Whitesell	**Date: August 12, 2005**
Vice-Chair: Roger W. Britt	**Venue: Lord Nelson Hotel**
Secretary: Harry A. Van Zandt	**City: Halifax, NS**

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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 14 of 17 voting member companies represented.

   1) **Quorum Members or Alternates Present**

Alcatel – Arnaud Vergnol	Nortel – Roger Britt
AST – James Bress	Siemens – Tailey Tung
ATLINKS – Roger Hunt	Sprint – Amar Ray
Avaya – Joanne McMillen	UL – Randy Ivans
Cisco – Bob Bell	Uniden – Al Baum
Littelfuse – Phillip Havens	VTech – Steve Whitesell
Mitel – Greg Slingerland	Wyle Labs – Jim Smith

   2) **Quorum Members Absent**

ECS – Harry Van Zandt	Telcordia – Chrys Chrysanthou
Plantronics – Allen Woo	

   3) **Others Present**

Avaya – Joachim Pomy	Microtronix – Ken Macdonald
Industry Canada – Efrain Guevara	TIA Staff – Stephanie Montgomery
Industry Canada – Christina Gallagher	

   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 and approved without changes.

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.

The TIA Engineering Manual is available at:

http://www.tiaonline.org/standards/sfg/engineering_manual.cfm

Additional information concerning TIA's IPR Policy may be found in Guidelines to the Intellectual Property Rights Policy of the Telecommunications Industry Association, which is also available at the above URL.

f. **Chair's Remarks**

Chair Steve Whitesell indicated the question of whether the exact cover sheets available on the TR-41 FTP site (and also on some of the subcommittee FTP sites) must be used as is, or if they can be modified. After discussion, it was decided that the cover sheets are to be used without modification except to fill in the appropriate information. Suggestions for changes to the cover sheet are welcome and will be given due consideration, but the use of the prescribed cover sheet on those documents requiring a cover sheet will ease the responsibility of the chairs in assuring they contain the information prescribed by the Engineering Manual.

The subject of better tracking of project status and of recognizing accomplishments when projects are completed was also discussed. Steve and Vice-Chair Roger Britt will collaborate on creating a project tracking status spreadsheet to be posted on the FTP site and used as a reminder of commitments made. Greg Slingerland offered the one he has been using in TR-41.9 as a possible format. Steve will explore doing more to recognize accomplishments with TIA Staff.

Steve reminded everyone of the election of leadership for the odd-number subcommittees scheduled for November and invited all those interested to submit their nominations and letters of company support to Dan Bart, TIA VP of Standards, with copies to Stephanie Montgomery and Steve. He asked for comments about Halifax and the Lord Nelson as a meeting venue. The response was very positive with an indication that people would be interested in returning at a future date.

g. **TIA Staff Remarks**

Stephanie Montgomery reported the Technical Committee had approved creation of a new TR-47 Engineering Committee, Terrestrial Mobile Multimedia Multicast. Its first meeting is scheduled for September 9, 2005.

Stephanie provided an update on the issue Intellectual Property Rights (IPR) issue that is holding up publication of TIA standards that cite IETF documents. The legal department has put publication of any TIA standard making a normative reference to an IETF RFC on hold because the IETF IPR policy is not aligned with that of TIA. The issue is being worked and some progress has been made, but a fundamental difference still exists.

The first issue of a quarterly TIA Standards Digest was issued in July. It is intended to keep standards participants updated on what is happening in the Standards Department.

2. Previous Meeting Report

During the review of the report for the May 2005 meeting in Portland, Arnaud Vergnol noted that his name had been misspelled as "Vergno". With that correction, there was unanimous approval to accept the meeting report.

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, August 11, 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: Although TR41.1 approved the ballot of the 4th draft standard in the 5/2005 Portland meeting, because of the numerous editorial comments received during the proofreading of the document, the editor re-submitted the edited draft for TR41.1 to review again before sending it out for ballot. TR41.1 reviewed and approved again the ballot of the edited draft standard.

  Target Completion Date: 2/2006.

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

  Plenary Action Taken: Unanimous approval.

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

  Current Status: The working group reviewed the 5th draft standard and accepted changes in the following areas:
  - a. Added in-house wiring limit to Scope section 2.1.
  - b. Revised and added 15 Vdc to minimum ringing voltage requirements.
  - c. Added new VI requirements.
  - d. Added new line testing capabilities to section 5.1.17 .
  - e. Revised longitudinal balance requirements in section 6.2.
  - f. Added transverse balance to section 6.3.
  - g. Edited noise requirements to section 6.1.
  - h. Changed requirements in section 5.1.16 for Stand-by mode of operation.
  - i. Edited the balanced ringing requirements.
  - j. Edited the call progress signal sections.
  - k. Moved balanced ringing advantages and disadvantages to new Annex A.
  - l. Added loop current requirement to section 5.1.1.7.

  Target Completion Date: 5/2006.

- PN--3-4422 Administrative Ballot for North American Test Plan for Multivendor QSIG Interoperability Testing (TIA-123-A when published)

  Current Status: The addministrative ballot for the upgrade of TSB-123 to a TIA standard closed on July 5, 2005 with 0 Disapprove, 15 Approves, 0 approves with comments and 1 Ballot not returned. The ballot approved the upgrade of TSB-123 to a TIA standard.

  Target Completion Date: 11/2005.

Plenary Action Requested: TR41.1 voted and unanimously approved the Chair to request Plenary agreement to request TIA to upgrade and publish TSB-123 as TIA-123-A standard.

Plenary Action Taken: Unanimous approval.

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

Current Status: The TSB-116-A sent to TIA for publication received the following 3 comments from TIA legal department.

1. The word "Standard" in the Foreword section has to be replaced for the reason a TSB is not a TIA standard.

2. The specific reference in the document to the use of Excel software could be viewed as an endorsement of the product and are not permitted.

3. The link to tiab2b and the white paper specifically mentioned Nortel. TIA considers references to a specific company can be seen as an endorsement and are not permitted.

TR41.1 resolved comments 1 and 2. Comment 3 referred to a "Nortel" link in tiab2b webpage previously accepted by TIA for the download of workbooks used to create E-Model scenarios detailed in TSB-116A. TIA is reviewing the request from TR41.1 to continue having this Nortel link in the document.

Target Completion Date: 11/2005.

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

- TIA request to upgrade, withdraw or revise TSB with "shalls"

TR41.1 is still waiting 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".

b. TR-41.3 – Analog and Digital Wireline Terminals – James Bress

Subcommittee TR-41.3 met on Thursday afternoon, August 11, 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-3-0208, Comparison of TIA-470-C and ETSI TS 103 021 Requirements (to become TIA-TSB-470)

Current Status: No work beyond previous work done with Berndt Martenson. The project number and proposed document title have been added to this report. Subcommittee members still want to pursue this effort.

Target Completion Date: 08/2006

- PN-3-nnny, USB-Based Handsets, Headsets, and Speakerphones (to become ???)

Current Status: Document and contributions not yet started. Need to have clear scope and justification to obtain project number. Subcommittee members committed to pursue this effort.

Target Completion Date: 08/2006

- PN-3-4350.330-RV3, Telephone Answering Devices (to become TIA-470.330-C)

Current Status: Document format was submitted by Sprint with previously contributed parameters. Requesting contributions. Amar Ray from Sprint volunteered to be the WG chair.

Target Completion Date: 11/2006

- PN-3-0219, Measurement Procedures and Performance Requirements for Handset Generated In-Band Magnetic Noise (to become TIA-1083)

Current Status: Significant work has been performed for this project. The primary information and data reviewed was:

1. Subjective data from Gallaudet's study of live hearing aid users with digital cordless telephones. This data was presented (via conference call) by Linda Kozma-Spytek who is an audiologist specialist from Gallaudet. Subjective testing was performed June 30 to July 3, 2005 at the SHHH (Self-Help for the Hard of Hearing) convention with 32 people. Some people used their hearing aid in the Tele-Coil (magnetic) mode, and others used their hearing aid in the microphone (acoustic) mode. The subjective data was focused on obtaining information about noticeable interference and usability of the sample of 8 digital cordless telephones (and one control corded telephone).

   - For the Tele-Coil mode: The test data showed a significant spread of interference and usability ratings with some phones judged generally unusable, others moderately usable, and others exhibiting no problem for interference. The subjective test data showed the interference observed (usually described as a "buzz") did not increase or decrease with the volume control setting.

   - For the Microphone mode: The test data showed there was not an interference issue when the hearing aid was used in the microphone mode.

2. Objective data obtained at 3 TR41. 3 member labs (VTech, Uniden, AST Technology Labs) focused on measuring the magnetic output of the telephone receivers, measuring a desired signal (similar to the normal FCC HAC magnetic test) and also measuring magnetic noise. The test data from all 3 labs correlated. The test data clearly showed the correlation of the objectively measured noise levels and the subjective interference observations and ratings.

A draft standard for the measurement and a performance objective for magnetic interference is being worked on by the TR-41.3 subcommittee members. A draft is expected to be available by the November TIA meetings. More testing work is under way at Gallaudet and by the TR-41.3 members which will be used to refine and validate the standard development effort.

Target Completion Date: 02/2006

- PN-3-4350.110-AD1, Addendum 1 to Handset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.110-1)

Current Status: Action pending. There are issues related to testing with the HATS and artificial ears. Contributions are expected for the next meeting.

Target Completion Date: 05/2006

- PN-3-4350.120-RV3, Hands Free Acoustic Performance Requirements for Analog Telephones (to become TIA-470.120-C)

Current Status: There was considerable discussion regarding the test data from contributions reviewed for the HATS and free-field microphone test methods. Contributions for handsfree switching times were also reviewed. The biggest challenges to address for this project are testing for echo cancellers and switching times. Working Group members continue performing testing to develop performance requirements for several parameters.

Target Completion Date: 08/2006

- PN-3-4350.130-RV3, Headset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.130-C)

Current Status: There was considerable discussion regarding the test methods when dealing with two volume control settings (one on the telephone and the second on the headset). Working Group members continue performing testing to develop performance requirements for several parameters.

Target Completion Date: 02/2006

- PN-3-4350.210-AD1, Addendum 1 to Resistance and Impedance Performance Requirements for Analog Telephones (to become TIA-470.210-C-1)

Current Status: A correction is required to the longitudinal balance requirements currently included in TIA-470.210-C. Steve Whitesell has this document prepared and an administrative ballot was passed to send the document for Industry Ballot. Steve has provided the document to be balloted.

Target Completion Date: 11/2005

Plenary Action Requested: TR-41.3 requests concurrence to send PN-3-4350.210-AD1 (to become TIA-470.210-C-1) for an Industry Ballot.

Plenary Action Taken: Unanimously approved.

- PN-3-4350.230-RV3, Network Signaling Performance Requirements for Analog Telephones (to become TIA-470.230-C)

Current Status: The ballot for this document will close on August 26. So far there are all affirmative votes and two abstentions. TR-41.3 voted to send the document for publication provisionally based on an affirmative ballot completion. A teleconference will be scheduled for September 8 (4:00PM EDT) if needed to resolve any ballot comments.

Target Completion Date: 11/2005

Plenary Action Requested: TR-41.3 requests concurrence to send PN-3-4350.230-RV3 (to become TIA-470.230-C) for publication provisionally based on an affirmative ballot.

Plenary Action Taken: Unanimously approved.

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

Current Status: The document was reviewed and each parameter was discussed. Parameters without technical content will be moved to an annex for possible consideration in a later revision. The parameters included are considered valuable for specifying operational and performance aspects specific to cordless telephones. There was a vote in TR-41.3 to send the document for a committee ballot after editorial cleanup.

Target Completion Date: 05/2006

Plenary Action Requested: TR-41.3 requests concurrence to send PN-3-4350.320-RV3 (to become TIA-470.320) for a Committee Ballot.

Plenary Action Taken: Unanimously approved.

- 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: Considerable progress is being made on this standard due to valuable contributions and several interim teleconferences held since the last TR-41 meetings. There were discussions about the artificial ear (pinna) ITU P.57 specification problem related to B&K pinnas. Data was reviewed comparing different HATS measurements, generally

showing correlation. There was also discussion regarding receive latency measurements and issues related to Quality of Service (QoS). Working Group members continue performing testing to develop performance requirements for several parameters.

Target Completion Date: 02/2006

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

Subcommittee TR-41.4 met on Tuesday and Wednesday, May 9 & 10, 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: No contributions received. However, Larry Truesdale of Nortel has also expressed an interest in this activity. There is now a strong hope we can go somewhere with this.

Target Completion Date: 05/2006

- PN-3-0102, Requirements for a Wireless LAN Based IP Telephony Subsystem (to become TIA-1002)

Current Status: No Contributions received. This work is in abayence pending the completion of several other work items.

Target Completion Date: 05/2006

- PN-3-0103, Requirements for a Wireless LAN Based IP Telephony Endpoint (to become TIA-1003)

Current Status: One contribution received. Active discussion and attempts to complete.

Target Completion Date: 05/2006

- PN-3-0172, Enterprise Location Information Server Interfaces (to become TIA-1049)

Current Status: No contribution received.

Target Completion Date: 02/2006

- PN-3-0185, Link Level Discovery Protocol (LLDP) – Media Endpoint Discovery (MED)

Current Status: Ballot Resolution complete. Editorial changes necessary complete. Editorial changes to resolve the IETF Draft issues complete.

Target Completion Date: 09/2005

Plenary Action Requested: TR41.4 requests concurrence from TR41 to move the document forward for publication contingent on obtaining of permission from IETF to duplicate information from their draft document. Editor directed to forward draft to TIA staff for publishing after obtaining copyright permission from IETF for material duplicated from IETF Draft draft-ietf-geopriv-dhcp-civil-06.txt.

Plenary Action Taken: Unanimously approved.

- PN-3-0202, Technical Assessment of Syncronization Methods in IP Networks from a Quality of Experience Perspective

Current Status: Contribution received. Work progressing.

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: Ballot complete with no comments. Editor to forward draft document to TIA staff for publishing.

Target Completion Date: 08/2005

Plenary Action Requested: TR41.4 requests the concurrence of TR41 to forward the completed work to the TIA staff for publication at the earliest time.

Plenary Action Taken: Unanimously approved.

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

Current Status: Contributions received. Work going forward.

Target Completion Date: 05/2006

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

- Received a presentation from TR30.3 (Jack Douglass) on their work concerning Network Impairment modelling (TIA-921).

- Discussed and created some words for Steve to use in response to the FCC E911 request for comment.

- Discussed and will create input for the TIA NGN Formulating group.

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

Subcommittee TR-41.7 met on Thursday afternoon, August 11, 2005. Its 41.7.4 Working Group met on Monday, its 41.7.5 Working Group met on Wednesday, and its 41.7.1 Working Group met on Thursday morning and part of Thursday afternoon..

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: Don McKinnon has indicated that he will no longer be able to serve as chair for this working group.Roger Hunt chaired the meeting. The working group has completed work on the document and will be completing some editing. They plan on sending the document out for a committee ballot prior to sending it out for ANSI ballot since it has been a while since TR41.7 has formally reviewed the work.

Target Completion Date: 05/2006

Plenary Action Requested: TR41.7 requests concurrence to send the document out for committee vote once the editing is completed.

Plenary Action Taken: Unanimously approved.

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

Current Status: Work is continuing on the development of the requirements and reviewing the current draft (Draft 11). Sections 1-7 were again reviewed and some changes and additions made to the definitions. Section 8 which contains some core requirements will be next for the WG to tackle.

Target Completion Date: 05/2006

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

- TR41.7.1 and TR41.7 discussed a gap between the remote powering requirements in UL60950-21 and Article 830 of the NEC. The NEC has a voltage limit of 150V for network powered broadband equipment while typical telecom remote feeds today can go as high as 200V to ground as permitted by GR-1089 and UL60950-21. Although used for years, these powering schemes have been used primarily on the network and only recently has become an issue as remote powering of equipment located on user premises has become a reality.

A proposal was made to develop a NEC change proposal before the November 5 cut-off date to add a reference to UL60950-21 RFT-V circuits as a powering option in Article 830 of the NEC. In order to complete this, a submission needs to be made and a TR41.7 teleconference meeting scheduled and held to discuss and approve the NEC change proposal to be sent out by TR41.7. A motion was made and approved to develop a proposal, hold a teleconference and if acceptable, send the NEC change proposal to the NFPA as a TR41.7 submission.

Plenary Action Requested: TR41.7 requests concurrance to hold a teleconference meeting before November to discuss and approve an NEC change proposal to add a UL60950-21 reference to Article 830 of the NEC and, if approved by the subcommittee, to send the proposal to the NFPA for consideration.

Plenary Action Taken: Unanimously approved.

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

Subcommittee TR-41.9 met on Tuesday morning and afternoon, August 9, 2005. Its 41.9.2 Working Group met on Monday afternoon.

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

- SP-3-0016-AD4, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (Fourth Addendum to TIA-968-A-4)

Current Status: This draft now contains the new requirements for Type "Z" Ringer conditions (TR41.9-05-05-010-L) and the new terminations for ADSL equipment (TR41.9-05-08-007-M). It may contain after the next meeting a revised TR41.9-05-08-008 on eSHDSL interfaces and a new lower energy surge. The chair has agreed to prepare a draft of the TIA-968-A-4 for the next meeting.

Target Completion Date: 02/2006

- PN-3-3602-RV3, Rationale and Measurement Guidelines for TIA-968 (to become TSB-31-C)

Current Status: We are continuing to review the document as a whole. It has been assigned the various working group members to review different aspects of the whole document. From our last meeting to this meeting, we did not have a lot of these members take the document out for the review as agreed. We have more movement at this meeting and are optimistic that this final review of the document will occur in a timely fashion.

Target Completion Date: 05/2006

- PN-3-4124, Responses to Part 68 and TIA-968 Questions (On-going effort)

Current Status: TR41.9 has recived no questions since the last meeting. We have updated and made available as an internal subcommittee document the list of questions and answers to these questions on the TIA web site.

Target Completion Date: N/A

- SP-3-xxxx, Connector Requirements and Test Methods for Gold and Gold Equivalence as Described in TIA-968.

Current Status: We are taking the connection requirements and tests methods from TSB31-B (and TSB31-C draft) and making them a TIA standard on their own. We expect this will be nothing more than relocation of the words from TSB31-C draft to this new documents. Then these words will be deleted from the TSB31-C draft and the pointer to TSB31-B in TIA-968-A will be changed to point to this new document. This solves the requirement from TIA that normative references cannot be to a TSB. It also solves the problem of seperating the requirement and test method in an area of compliance (i.e. connectors) for which there is very little expertise in TR41. We also agreed to ballot this new document after email review of draft document via TR41.9 email reflector.

Target Completion Date: 02/2006.

Plenary Action Requested: For concurrence to open a project (SP-3-xxxx) that will be the words from the connector sections of TSB31-C draft.

Plenary Action Taken: Unanimously approved.

Plenary Action Requested: For concurrence to send SP-3-xxxx out for TIA and ANSI ballot after draft reviewed via TR41.9 email reflector.

Plenary Action Taken: Unanimously approved.

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

- TR41.9 was aware of a misleading email from the ACTA on Addenum 3 of TIA-968-A. TR41.9 has agreed on an email that wil be sent by the chair to the ACTA so they properly understand the implications of their email.

Plenary Action Requested: TR41.9 seeks TR41's concurrance on sending an explanitory email to the ACTA on TIA-968-A-3.

Plenary Action Taken: Unanimously approved.

4. Liaison Reports

a. DSL Forum – Steve Whitesell

Chair Steve Whitesell indicated he had sent a liaison reply to the DSL Forum at the request of TR-41.1. The letter (TR41-05-08-008) informed the DSL Forum that the analog terminal adapter interface standard (to be TIA-1063) being developed by TR-41.1.1 does not cover "loops" to off-premises equipment. It requires such terminal adapters to support up to 30 ohms of inside wire between the adapter and the attached equipment. And recommends that they support up to 100 ohms.

b. IEEE 802.11/19 – Steve Whitesell

There was no report.

5. Old business

None

6. New Business

a. Election of TR-41 Leadership

The meeting was turned over to Stephanie Montgomery from the TIA Staff to conduct the TR-41 leadership elections. She reported that no nominations had been received for the positions of TR-41 Chair or Vice-Chair. She asked if there were any nominations from the floor for TR-41 Chair. There were none. She then made a motion for a waiver to allow Steve Whitesell to continue as Chair for another two-year term as allowed by Clause 4.1 of the Engineering Manual. The motion was seconded by Bob Bell. There was no discussion, and the motion was approved by unanimous consent.

Stephanie then asked if there were any nominations from the floor for TR-41 Vice-Chair. There were none. She then made a motion for a waiver to allow Roger Britt to continue as Vice-Chair for another two-year term as allowed by Clause 4.1 of the Engineering Manual. The motion was seconded by Bob Bell. There was no discussion, and the motion was approved by unanimous consent.

b. Subcommittee Elections

Newly reaffirmed char Steve Whitesell reminded everyone that elections for the leadership of odd-number subcommittees, with the exception of the Vice-Chair of TR-41.1 would be held in November. He encouraged anyone interested to submit their nomination and required letter of company support to Dan Bart, TIA Vice-President of Standards, with copies to him and Stephanie

Montgomery. He also indicated the possibility existed that we might have to follow the waiver procedure in some subcommittees if there are no candidates and if the current leadership is willing to continue.

7. **Meeting Schedules**

   a. **Next Meeting**

   The next meeting will be held the week of November 7-11, 2005 in Santa Fe, NM. 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:

   > Hotel Santa Fe
   > 1501 Paseo de Peralta
   > Santa Fe, NM 87501
   > Phone: 505 982 1200
   > Fax: 505 982 2211
   > Room Rate: $109.00
   > Cut off date: October 6, 2005

   b. **Future Meetings**

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

Date	**Location**
February 06-10, 2006	Savanna ??
May 08-12, 2006	Santa Cruz ??
August 14-18, 2006	Quebec, Montreal ??
November 06-10, 2006	San Diego, Orange County ??

8. **Adjournment**

There being no further business, the meeting was adjourned at 9:45 am. The meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Roger Britt   Stephen R Whitesell
Vice-Chair, TR-41   Chair, TR-41

Appendix A
Tentative TR-41 Meeting Schedule for November 7-11, 2005 in Santa Fe

Room				
MONDAY **0830 – 1230** **7 Nov 2005**	**TR-41.3.3** **Digital Xmission Perf** **(Macdonald – 25)**	**TR-41.7.4** **Environmental** **(Hunt – 20)**		
MONDAY **1330 – 1730** **7 Nov 2005**	**TR-41.3.3** **Digital Xmission Perf** **(Macdonald – 25)**		**TR-41.9.2** **Part 68 Measurements** **(Slingerland – 20)**	
MONDAY **1800 – 1930** **7 Nov 2005**	**TR-41 Leadership** **User Premises Eqpmt** **(Whitesell – 20)**			
TUESDAY **0830 – 1230** **8 Nov 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** **8 Nov 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** **8 Nov 2005**				
WEDNESDAY **0830 – 1230** **9 Nov 2005**	**TR-41.3.8** **Network Signaling** **(McKinnon – 20)** **TR-41.3.12** **Telephone Ans Devices** **(Ray – 20)**	**TR-41.4** **VoIP Systems** **(Bell – 20)**	**TR-41.7.5** **Overcurrent Protection** **(Lindquist – 20)**	
WEDNESDAY **1330 – 1730** **9 Nov 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** **9 Nov 2005**				
THURSDAY **0830 – 1230** **10 Nov 2005**		**TR-41.1.1** **Analog Port TA** **(Tung – 20)**	**TR-41.7.1** **Int'l Safety Standards** **(Ivans – 20)**	
THURSDAY **1330 – 1730** **10 Nov 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** **10 Nov 2005**				
FRIDAY **0800 – 1030** **11 Nov 2005**	**TR-41 Plenary** **User Premises Eqpmt** **(Whitesell – 20)**			

Appendix B
Document List

Number	Source	Description
TR41-05-08-000		TR-41 Document List for 2005
TR41-05-08-001	Chair	Agenda for August 12, 2005 Meeting in Halifax
TR41-05-08-002	Secretary	Report for May 13, 2005 Meeting in Portland
TR41-05-08-003	41.1 Chair	Halifax TR-41.1 Chair's Report
TR41-05-08-004	41.3 Chair	Halifax TR-41.3 Chair's Report
TR41-05-08-005	41.4 Chair	Halifax TR-41.4 Chair's Report
TR41-05-08-006	41.7 Chair	Halifax TR-41.7 Chair's Report
TR41-05-08-007	41.9 Chair	Halifax TR-41.9 Chair's Report
TR41-05-08-008	Chair	Liaison Reply to DSL Forum on Terminal Adapter Project