



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-41 Meeting Report

Date: 08/08/08

Location: Halifax, NS

Approved: 10/2/08

T# 11140

**Telecommunications Industry Association
Standards and Technology Department**

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

Meeting Report

**Chair: Stephen R. Whitesell
Vice-Chair: Al Baum
Secretary: Phillip Havens**

**Date: August 8, 2008
Venue: Prince George
City: Halifax, Nova Scotia**

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 9 of 12 voting member companies represented.

1) Quorum Members or Alternates Present

Cisco – Kirit Patel	Thomson – Roger Hunt
Embarq – Amar Ray	UL – Randy Ivans
Littelfuse – Phillip Havens	Uniden – Al Baum
Plantronics – Allen Woo	VTech – Steve Whitesell
Telcordia – Randall McCarver	

2) Quorum Members Absent

AST – James Bress	Nokia-Siemens – Solomon W
Bourns – Mick Maytum	

3) Others Present

Cisco – Tim Lawler	Mobile Eng – John Bipes
Industry Canada – Christina Gallagher	TIA Staff – Stephanie Montgomery
Industry Canada – Mathew Mulvihill	

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 with the addition of an item under New Business dealing with "Prior Versions" in the Recognition Lists for Addendums.

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:

He pointed out that this policy encouraging disclosure of intellectual property rights applies equally to all normative elements of documents under development, whether included directly in the text or incorporated by reference. No disclosures were made.

f. Chair's Remarks

The Chair mentioned that the TIA Engineering Manual is currently out for balloting and invited the attendees to review the entire document and provide him with any comments by August 25, 2008. He thanked those who had provided input for the recent request to identify standards and other related "green" activities being conducted by TIA committees and individual members. The inputs were passed along to Henry Cuschieri, who had made the request. Steve also reported that the leadership team had quite a bit of discussion about meeting frequency, format, location, etc. during the Chair's Meeting on Monday evening. The basic question is what changes, if any, can we make to help stem the loss of participants and even increase participation. The main result for now is to stick with second tier cities that have lower cost hotels but are still easy to get to. Halifax was chosen because of a very positive previous experience here. Consensus was that it is still a great place to have a meeting, but it is some expensive and difficult to get to.

g. TIA Staff Remarks

Stephanie indicated there had been 2 layoffs at TIA, one of whom was the receptionist that standards staff had been using for things like posting meeting notices, agendas, and reports. She indicated we will need to be more diligent about getting these items submitted early so that staff has the time to process them. TIA is preparing for their 5-yr audit that will be conducted in October.

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-41.3 – Analog and Digital Wireline Terminals – Al Baum

Subcommittee TR-41.3 met on Thursday afternoon, August 7, 2008. Its various working groups met from Monday through Wednesday and on Thursday morning.

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

- SP-3-0219-AD1, Handset Magnetic Measurement Procedures and Performance Requirements Addendum 1 (to become TIA-1083-1)

Current Status: An Industry Ballot was conducted from 5-30-08 to 7-15-08. There were three "Do Not Approve with Comments" ballots. During the TR-41.3.9 meeting on 8-7-08, the ballot comments were reviewed and discussed. The main issues were related to the acoustic method used to set the test signal input level when testing digital phones. Steve Whitesell is currently investigating the possibility of specifying a fixed value for the input level that would eliminate the need for the acoustic method. If successful, this will greatly simplify the changes that would be needed to TIA-1083 to permit testing digital phones. Also, during the balloting, an error was found in TIA-1083. Therefore, TR-41.3.9 decided to request TR-41.3 to cancel the project to write the addendum and to open a new project to revise TIA-1083 (to become TIA-1083-A). During the 8-7-08 meeting, TR-41.3 voted to approve both actions. TR-41.3.9 will hold an interim conference call meeting in approximately 2 weeks to review Steve's findings and possibly to review a new proposed draft TIA-1083-A document. TR-41.3

also voted to hold an interim conference call subcommittee meeting following the TR-41.3.9 interim meeting for the purpose of voting to send TIA-1083-A-Draft to Letter Ballot.

Target Completion Date: 05/2009

Plenary Action Requested: Request TR-41 concurrence to close project SP-3-0219-AD1.

Plenary Action Taken: Unanimous concurrence.

Plenary Action Requested: Request TR-41 concurrence to open a new project to revise TIA-1083 (to become TIA-1083-A).

Plenary Action Taken: Unanimous concurrence.

- PN-3-0271, Guidelines for Marking and Labeling CPE Complying with TIA Standards (to become TSB-177)

Current Status: Published May 2008

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

Current Status: During the 8-5-08 meeting, TR-41.3.10 reviewed the complete draft document. Several errors were corrected and areas needing additional work were identified.

Action items for the next meeting:

- 1) Don McKinnon and Steve Whitesell will each provide a contribution proposing to lower the SPL receive level targets (and possibly suggest changes to the test signal input levels).
- 2) Amar Ray will submit a contribution on requirements for send AGC.
- 3) Don McKinnon will provide a submission containing speakerphone switching test data.
- 4) Steve Whitesell and Tom Harley will provide discussion of changing from a -16dBV to a -25dBV input level for RLR.

Target Completion Date: 02/2009

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

Current Status: TR-41.3.12 reviewed four contributions from Embarq regarding Microphone Muting, OGM Beep Tone requirements, Acoustic Playback Volume Control, and Voice Prompt Levels. The WG added an edited version of the proposed Microphone Muting requirement. The OGM Beep Tone contribution proposed requirements for frequency, duration, and amplitude. Some WG members stated that manufacturers would probably not have much motivation to change the frequency or duration of their OGM beep tones. However, there was no objection to specifying an amplitude requirement with reasonable tolerances. The manufacturer representatives will discuss this draft spec within their companies and report back to the WG at the next meeting. The WG added an edited version of the proposed Acoustic Playback Volume Control requirement based on sound pressure level measurements using P.50 artificial speech. The WG considered the proposed Voice Prompt Level requirements but could not reach consensus on a measurement method.

Target Completion Date: 02/2009

- PN-3-4705-RV1, Transmission Requirements for Wideband Digital Telephones (to become TIA-920-A)

Current Status: The WG reviewed a liaison from ITU-T SG12 regarding artificial ears. The WG agreed to request permission from ITU-T SG12 to add some of the graphs into an annex in TIA-920-A. The WG also agreed to a philosophy of lowering the lower mask above 4kHz for handset and headset receive. The WG reviewed a submission from John Bareham

describing the new IEEE-269-Draft measurement procedures for “Acoustic Output Level”, “Conversational Gain”, and Tonal Balance and discussed the need for such measurement procedures. The WG reviewed a submission from Embarq that discussed a problem with a special “wideband analog” phone dropping out of wideband mode into narrowband mode. The submission proposed that TIA-920-A add a recommendation that “the CPE should provide some indications regarding mode of communication, e.g. Wideband signals are not available.” The WG agreed that this type of phone does not fall within the scope of this standard. However, it is possible that a digital wideband phone could also support a narrowband mode. Therefore the WG agreed to add an informative note to the effect that a dual mode (wideband/narrowband) CPE may provide an indication of its current receive mode. The WG also reviewed the draft document and made the following decisions:

1. The WG agreed to make P.50 the default test stimulus and authorized the editor to revise the draft accordingly. Annex C should not be deleted until all of the R40 references have been removed.
2. The WG agreed to leave the upper limit definition of wideband as 6800.
3. The WG agreed that the lower SDN test point should be moved from 160Hz to 250Hz since the receive energy is so low at 160Hz and the mouth simulator may have excessive distortion at this frequency.
4. The WG agreed to divide the document in the same manner as TIA-470 if there are no objections at the next meeting.

Target Completion Date: 02/2009 (first sub-document)

- PN-3-4159-RV1, Automatic Stutter Dialtone Detection Performance (to become TIA-855-A)
Current Status: The WG reviewed clause 3.9 in AST’s FAQ regarding SDT Check after Unanswered Ring Event with the Indicator On. The WG decided not to include the proposed text in the draft because the inherent complexity in the description of the specific conditions would generate more confusion than could be justified by the ambiguity that it is intended to clarify.

The WG reviewed FAQ clause 3.10 and agreed that the standard implies that the same -36dBm detection threshold applies to a Secondary ASDT Check but did not want to add an explicit statement to that effect.

Target Completion Date: 02/2009

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

- Plenary Action Requested: Concurrence to open a project to revise TIA-470.000-C (to become TIA-470.000-D).
Plenary Action Taken: Unanimous concurrence.
- Plenary Action Requested: Concurrence to open a project to revise TIA-470.310-C (to become TIA-470.310-D)
Plenary Action Taken: Unanimous concurrence.
- TR-41.3.9 and TR-41.3 are both planning to hold an interim conference call meeting in approximately 2 weeks.
- There were two omissions in the TR-41.3 Chair’s Report for the previous TR-41 Plenary
 1. TR-41.3 request for concurrence to send ANSI/TIA-777-A out for ANSI Ballot for reaffirmation.
 2. TR-41.3 request for concurrence to open a project to revise ANSI/TIA-470.210-C.

TR-41 and TIA were advised of this omission by email. TIA advised that TR-41.3 was the Formulating Group and TIA did not require concurrence from the parent Committee and recommended that TR-41.3 proceed with both of these projects.

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

Subcommittee TR-41.7 met on Thursday afternoon, August 7, 2008. 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-xxxx, Ethernet First Mile Overvoltage Tests

Change Title to: Power Fault and Lightning for Ethernet in the outside plant

Current Status: Active – Project Number requested.

We have not received any new contributions for this project. During the TR41.7 meeting we discussed the types of contributions we need and the expected outputs. The committee work will focus not so much on developing new tests and protection schemes for Ethernet but to identify how the use and exposure of “standard” Ethernet distribution is changing and coming up with recommendations to organizations like UL on what testing and protection might be required, how to differentiate between exposed and non-exposed circuits, etc.

Target Completion Date: March 2010

- PN-3-xxxxRV1, Telecom Circuit Overcurrent Protectors Application Guide

Current Status: A project has been requested.

TR41.7.5 has begun work on this application guide for the published UL Outline of Investigation SU2564. The requirements are complex and guidance on how the requirements apply to technologies and how to test devices properly is needed. The WG has worked on the scope of the application guide and began work on some of the tables that define applicable requirements for devices used to comply with various standards. One of the outcomes of this work has been to identify areas of the outline that need revision for clarity and / or consistency. The WG has therefore begun to accumulate revisions to the outline that when completed will be submitted to UL as a recommendation for revision of SU2564.

TR41.7.5 is requesting a full day for November’s meeting.

Target Completion Date: February 2010

Plenary Action Requested: TR41.7 requests concurrence to open a RV1 project to work on revisions to the UL Subject 2564 Outline of Investigation. The expected outcome will be a proposal to UL to revise the outline.

Plenary Action Taken: Unanimous concurrence.

- SP-3-3210-RV1, Reaffirmation of TIA-631-A

Current Status: The reaffirmation ballot resulted in one negative vote that the TR41.7 subcommittee has agreed with. This dealt with updating a few standard references, one of which was for a document that was not yet published at the time the standard was written. Since the document will require revision, it will need to be opened for review and comment.

During our discussions, we determined that we need to make an additional revision that clarifies the scope of the document. It is clear that the original document applied to telephone terminal equipment with handsets since the entire test descriptions only deal with these types of devices. The test methods would not, for example apply to a speakerphone or headset.

We also will make a revision that indicates that the basic tests can be used as a reference in developing tests for these other apparatus with some limitations, specifically on the mechanical coupling of the sound output to eliminate electrical interference to the

measurement systems. Currently this is done with an acoustic tube that would not be appropriate for speakerphones or headsets.

Target Completion Date: 05-2009

Plenary Action Requested: TR41.7 requests concurrence to open a project to revise TIA-631-A as described (this will be SP-3-3210-RV2).

Plenary Action Taken: Unanimous concurrence.

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

- Phillip Havens was appointed by the TIA to serve as its representative on the UL Technical Harmonization Committee (THC) for the development of the future UL62368 standard for AV/Telecom/IT Equipment. A report of the first teleconference of this committee was discussed in TR41.7.1 and TR41.7. See TR41.7-08-08-006 and TR41.7.1-08-08-004. The subcommittee provided an answer to the THC's question regarding wide industry support for the acoustic requirements proposal recently submitted to UL for consideration by the TIA. In addition the subcommittee charged Phillip with the task of voicing our objection to suggestions that the candle flame test be introduced as an informative annex to the standard. A proposal to add this test to the standard as a requirement was already soundly rejected.

TR41.7.1 will be working on any technical issues that arise while TR41.7 will review Phillip's reports and provide guidance on things that need to be brought up or discussed at the THC and will also provide update reports to TR41 since Phillip represents TIA interests and not just TR41.7.

- Roger Hunt reported on a service called "EIATRACK" that provides tracking information on environmental regulations from around the globe. There is a fee for this service but TIA members can request a discount.

c. **TR-41.9 – Terminal Attachment Programs – Phillip Havens**

Subcommittee TR-41.9 met on Tuesday, August 5, 2008. Its 41.9.1 Working Group met on Monday.

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

- PN-3-0014-UGRV2, Telecommunications – Telephone Terminal Equipment – Label Requirements (to become TIA-168-B)
Current Status: Adopted by the ACTA on May 22, 2008.
- SP-3-0016-RV2, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (to become ANSI/TIA-968-B)
Current Status: Ongoing work, expect to proceed to ballot during November 2008 meeting.
Target Completion Date: 11/2008
- PN-3-0017-RV2, TSB-129-B Telecommunications - Telephone Terminal Equipment - U.S.Network Connections Regulatory Approval Guide
Current Status: First draft uploaded to TIA website
Target Completion Date: 02/2009
- PN-3-3602-AD1, Rationale and Measurement Guidelines for TIA-968, Addendum 1 (to become TSB-31-C-1)
Current Status: Ready to be uploaded to TIA website.
Target Completion Date: 08/2008
Plenary Action Requested: Request concurrence to proceed to publication.
Plenary Action Taken: Unanimous concurrence.

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

Current Status: No new items added during this meeting.

Target Completion Date: N/A

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

- ANSI TCB Evaluation form, accreditation Scope C Telephone Terminal Equipment needs to be updated annually. TR41.9 completed a review during the Portland meeting held May 2008. Therefore a second effort will begin during the November 2008 or February 2009 meeting.
- TR41.9 may have special speaker during our November 2008 to discuss international standards. One question to be addressed is "should TR41.9 work on international harmonization of standards?"

4. Liaison Reports

Steve Whitesell noted that a liaison document on artificial ears (TR41-08-08-008) had been received from ITU-T SG 12 and passed on to TR-41.3 for consideration. The basic message was that a round robin study has concluded that the Type 3.3 artificial ear best represents the human ear for narrow band (100 to 4000 Hz) measurements and that further study is required before any firm recommendations can be made concerning wideband (100 to 8000 Hz) measurements.

5. Old Business

Al Baum reviewed the Project Status spreadsheet.

6. New Business

The Chair discussed the Recognition list found in new addendums and how the "previous version" column is handled. The conclusion of the discussion was that the base document and any previous addenda should be considered previous version(s) when creating the recognition list for a new addendum.

7. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of November 3-7, 2008 in Costa Mesa, CA. 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:

Hilton Orange County
3050 Bristol Street
Costa Mesa, CA 92626
Phone: 714 513 3427
Fax: 714 540 0719
Room Rate: \$149
Cut off date: October 13, 2008

b. Future Meetings

Should TR41 change to three meetings per year instead of four? Should the TR41 schedule contain alternating teleconference meetings? Should we meet in Washington DC TIA office to reduce TIA hotel meeting room costs?

The preliminary schedule for future TR-41 meetings is provided below.

Date	Location
February 09-13, 2009	Southeast, TX/LA
May 04-08, 2009	Santa Cruz, Indianapolis
August 10-14, 2009	Canada, St Louis, Columbus
November 02-06, 2009	Southwest

8. Adjournment

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

Phillip Havens
Secretary, TR-41

Stephen R Whitesell
Chair, TR-41

Appendix A
Tentative TR-41 Meeting Schedule for Date

Room				
MONDAY 0830 – 1230 3 Nov 2008	TR-41.3.3 Digital Xmission Perf (Baum – 20)	TR-41.9.1 Regulatory Criteria (Hunt – 20)		
MONDAY 1330 – 1730 3 Nov 2008	TR-41.3.3 Digital Xmission Perf (Baum – 20)	TR-41.9.1 Regulatory Criteria (Hunt – 20)		
MONDAY 1800 – 1930 3 Nov 2008		TR-41 Leadership User Premises Eqpmt (Whitesell – 15)		
TUESDAY 0830 – 1230 4 Nov 2008	TR-41.3.10 Hands Free Telephones (Baum – 20)	TR-41.9 Regulatory (Havens – 25)		
TUESDAY 1330 – 1730 4 Nov 2008	TR-41.3.10 Hands Free Telephones (Baum – 20)	TR-41.9 Regulatory (Havens – 25)		
TUESDAY 1900 - 2200 4 Nov 2008				
WEDNESDAY 0830 – 1230 5 Nov 2008	TR-41.3.2 Stutter Dial Tone (Bress – 20)	TR-41.7.5 Overcurrent Protection (Lindquist – 15)		
WEDNESDAY 1330 – 1730 5 Nov 2008	TR-41.3.12 Telephone Ans Devices (Ray – 20)	TR-41.7.5 Overcurrent Protection (Lindquist – 15)		
WEDNESDAY 1900 – 2200 5 Nov 2008				
THURSDAY 0830 – 1230 6 Nov 2008	TR-41.3.9 Cordless Telephones (Bress – 15)	TR-41.7.1 Int'l Safety Standards (Ivans – 15)		
THURSDAY 1330 – 1730 6 Nov 2008	TR-41.3 Wireline Terminals (Baum – 20)	TR-41.7 Environmental & Safety (Ivans – 15)		
THURSDAY 1900-2200 6 Nov 2008				
FRIDAY 0800 – 1030 7 Nov 2008	TR-41 Plenary User Premises Eqpmt (Whitesell – 20)			

**Appendix B
Document List**

<u>Number</u>	<u>Source</u>	<u>Description</u>
TR41-08-05-001-R1	Chair	Agenda for Halifax Meeting
TR41-08-05-002-R1	Chair	Document List
TR41-08-05-003	Secretary	Portland Meeting Report
TR41-08-05-004	Chair	Attendance Spreadsheet
TR41-08-05-005-M	Baum	TR-41.3 Chair's Report
TR41-08-05-006-M	Ivans	TR-41.7 Chair's Report
TR41-08-05-007-M	Havens	TR-41.9 Chair's Report
TR41-08-05-008	ITU-T SG12	Liaison Report on Artificial vs Real Ear Impedance Test Results