

Approved by General Counsel

TR-41 Meeting Report

Date(s): 08/22/2014 - 08/22/2014

Location: TIA Headquarters

Approved: 09/17/2014

Telecommunications Industry Association
Standards and Technology Department

Engineering Committee TR-41
Performance and Accessibility for Communications Products

Meeting Report

Chair: Stephen R. Whitesell
Vice-Chair: (Vacant)
Secretary: (Vacant)

Date: August 22, 2014
Venue: TIA Headquarters
City: Arlington, VA

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 4 of 6 voting member companies represented. Randy Ivans called in at the beginning of the meeting as planned, but elected to drop off the call since we had a quorum without him. He was in his car on the way to the birth of his grandson.

1) Quorum Members or Alternates Present

AST – James Bress
Cisco – Tim Lawler

Industry Canada – Jason Nixon
Whitesell Consulting – Steve Whitesell

2) Quorum Members Absent

Plantronics – Allen Woo

UL – Randy Ivans

3) Others Present

TIA Staff – Marianna Kramarikova

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 Committee Procedures:

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 TIA Standards Development Procedures 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 the head of the TIA Standards Department on a case-by-case basis.

d. Review and Approve Agenda

An R1 version of the agenda with updates to some of the contribution numbers was submitted for review and approved without further 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 the TIA Legal Guides (ANNEX C of TIA Procedures for American National Standards) and other clauses and annexes of TIA Standards Development Procedures. Participants in the work of the TIA Formulating

Groups 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, including requirements introduced through normative references, early on in the 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 a TIA Patent Holder Statement 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.

No disclosures were made.

f. Chair's Remarks

The Chair reminded participants that he is unlikely to continue in this leadership role after his current term ends in November 2015, and that they should begin thinking about replacement candidates.

g. TIA Staff Remarks

Marianna informed the committee of the current TIA Technology and Standards team structure. The position of VP of Standards and Technology is vacant.

FTP site credentials may change up to four times a year – participants will receive a notification prior to changes taking place.

Marianna took on an action item to obtain a list of 'Accessibility standards' and share them with the committee to create a specific list for public release.

h. Meeting Documents

The list of documents for the meeting is provided in Annex A.

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 – James Bress

Subcommittee TR-41.3 met on Thursday, August 21, 2014. Its various Working Groups met on Monday through Wednesday.

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

- ANSI/TIA-PN-470.220-D, Alerter Acoustic Output Performance Requirements for Analog Telephones

Current Status: This document was approved to be submitted for publication at the May meeting in Ottawa following cleanup of editorial changes made to resolve ballot comments. That editorial work and submission of the document for publication remains an open item

Target Completion Date: September 2014

- ANSI/TIA-PN-912-C, Wideband Gateway Transmission Requirements

Current Status: Draft 0.2 of the document was posted as contribution TR41.3.5-14-08-004 in early July. It took into account contribution -006-R1 concerning allowable net amplification between ports, changes to the wideband frequency response requirements as documented in contribution -007, and numerous other changes agreed to during the Ottawa meeting. A slightly updated LR1 version of the document was used as the basis for review during this meeting. Contribution -008, proposing the use of a spectrum analyzer for wideband noise measurements as an alternative to a 3-pole Butterworth band-pass filter, and contribution -009 with a reformatted allowable net amplification table, were also reviewed and accepted. Agreed changes are documented in TR-41.3.5-14-08-004-MR2.

Late contribution -011-L pointed out several additional change needed to the document before it can be submitted for ballot. These include redoing the loss plan / loudness rating scenario figures to update standards references and correct one that depicts a digital telephone in an analog phone scenario. The WG discussed moving this information to an informative annex. The contribution also proposed changes to the frequency response templates and raised questions about the codec tracking error and compression requirements that will require further discussion. A designated wideband codec to be used for testing and requirements for wideband envelope delay also need to be added. The changes necessary to address the comments raised in this late contribution have been documented in an MR1 version and will require a fair amount of work.

The document is not ready to be submitted for ballot as had been hoped coming out of this meeting.

Target Completion Date: March 2015

- ANSI/TIA-PN-1063-A, Analog Telephone Port Requirements for Packet-based User Premises Terminal Adapters

Current Status: Draft 0.2 of the document was posted as contribution TR41.3.5-14-08-005 in early July taking into account the changes agreed to during the Ottawa meeting. A slightly updated LR1 version of the document was used as the basis for review during this meeting. Late contribution -010-L proposed several minor technical changes and clarifications to the document based on experience in using it for testing ATAs. Discussion during the meeting suggested we consider removing the noise, transverse balance, and longitudinal balance requirements from the document and including them along with the other transmission parameters covered in ANSI/TIA-PN-912-C. These topics are addressed in 912-C, but differences in the requirements between the two documents will need to be resolved. The contribution also proposed a major restructuring of the document to better align it with the organization of other TR-41 standards.

The results of the discussion during the meeting are captured in TR-41.3.5-14-08-005-MR2 and TR41.3.5-14-08-010-MR1. The document is not ready to be submitted for ballot as had been hoped coming out of this meeting.

Target Completion Date: March 2015

- ANSI/TIA-PN-920.000-B, Overview of Transmission Requirements for Digital Telephones

Current Status: This document is ready to be balloted after the TIA-920.xxx-B documents are completed.

Target Completion Date: 05/2015

- ANSI/TIA-PN-920.110-B, Transmission Requirements for Digital Telephones with Handsets

Current Status: The TIA ballot closed on Aug-20. Comments received on the ballot were reviewed including extensive comments from AST Technology Labs which prompted a No vote. The comments were reviewed and the draft was edited. There were no open technical items needing to be resolved identified.

The editor, Steve Whitesell (Whitesell Consulting), agreed to incorporate all agreed changes and prepare a new draft revision for the next ballot. TR41.3 voted unanimously to send the revised draft for an industry ballot.

Target Completion Date: 12/2014

Plenary Action Requested: Request concurrence to send ANSI/TIA-PN-920.110-B for an industry ballot.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-920.120-B, Transmission Requirements for Digital Telephones with Speakerphones

Current Status: Waiting to complete ANSI/TIA-PN-920.110-B.

Target Completion Date: 03/2015

- ANSI/TIA-PN-920.130-B, Transmission Requirements for Digital Telephones with Headsets
Current Status: Waiting to complete ANSI/TIA-PN-920.110-B.
Target Completion Date: 03/2015
- ANSI/TIA-PN-1083-B, Handset Magnetic Measurement Procedures and Performance Requirements
Current Status: Jason Nixon from Industry Canada presented a contribution showing the test results when testing five DECT cordless telephones for HAC using the IEEE speech stimulus. Some unexpected results were identified. Further investigation is required.
AST Technology Labs is working on resolving issues for tests using real speech and for testing distortion with tones and with a pulsed 1/3rd octave stimulus signal.
Target Completion Date: 03/2015
- ANSI/TIA-PN-4953-A, Amplified Telephone Measurement Procedures and Performance Requirements
Current Status: No new contributions were received for this meeting. Plan is to add requirements for distortion at maximum volume control, requirements for sidetone, and requirements for testing digital interface telephones.
Target Completion Date: 03/2015

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

- TR41.3.14 met with members of the US Access Board (Tim Creagan, Marsha Mazz, David Baquis), the FCC (Cheryl King, Saurbh Chhabra), and Gallaudet University (Linda Kozma-Spytek). Brian Scarpelli (TIA Policy Department) and TR41.3.14 members (Tony Jasionowski-Panasonic, Steve Whitesell-Whitesell Consulting, James Bress-AST Technology Labs) presented an overview of TR41 standards related to accessibility including TIA-504 (HAC), ANSI/TIA-1083 (HAC performance), ANSI/TIA-4965 (Conversational gain), and ANSI/TIA-4953 (Amplified telephone performance). There were also discussions on the following topics:
 - Working relationships with TR41, the Access Board, and the FCC with a focus on TR41 working to create standards that are intended to remain as voluntary standards (rather than regulation) based on previous successes with ANSI/TIA-631 and ANSI/TIA-1083.
 - The FCC's clearinghouse website for accessible telecommunications products. The FCC's Cheryl King agreed to provide TR41.3.14 with information regarding the organization of this website including where the data comes from and how it is maintained.
 - Section 508 and section 255 refresh. Although the details included in the section 508 or section 255 refresh were not discussed, there was a general discussion including that it is expected that section 508 will be included directly in federal, and some state, government requirements for agency purchasing. Section 508 may also be included in some private organizations' purchasing requirements.

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

Subcommittee TR-41.7 met on Tuesday afternoon, August 19, 2014 Work was completed and the subcommittee did not meet on Wednesday.

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

- ANSI/TIA-PN-571-C, Electrical, Thermal, and Mechanical Environmental Performance Requirements
Current Status: The subcommittee reviewed a contribution TR41.7-14-08-005 relating to basic functionality. A new definition was developed that accommodates a broader scope of equipment now covered by the standard. The editor will incorporate it into the draft document. The subcommittee also reviewed how ITU K.43 handles immunity requirements for telecom equipment. It was agreed that incorporating requirements directly into TIA-571 with reference to an IEC standard for the test methods would be a good approach and the editor agreed to develop a new contribution for EMC immunity requirements. The subcommittee also agreed

to investigate if any “smart grid” equipment might be covered by this standard and if so consider adding it to the scope of the standard.

Target Completion Date: 02/2015

Completion date changed since we did not finish the standard for ballot at the August meeting.

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

- The chairman would like to thank all of those who participated in the meeting this week.

c. TR-41.9 – Terminal Attachment Programs – Acting Chair

Subcommittee TR-41.9 met on Wednesday, August 20, 2014 with a full quorum.

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

- TIA-PN-31-D-2, Rationale and Measurement Guidelines for U.S. Network Protection (TSB-31-D Addendum 2)

Current Status: The previous publication authorization for this document was rescinded by the subcommittee due to continued delays associated with the FCC issuing an NPRM on this subject. A motion to do this was made, seconded and approved.

Contribution TR41.9-14-08-006 was discussed. This document provided a revised TSB-31-D Addendum 2 based on the previously reviewed content appearing in another proposed addendum TSB-31-D Addendum 3. A motion was made, seconded and unanimously approved to send the revised addendum out for a re-ballot as TIA-PN-31-D-2-R1 (to be published as TSB-31-D-2). A second motion was made, seconded and unanimously approved to send the revised addendum out for publication if the default ballot results in no negative votes or comments that need to be addressed.

Target Completion Date: 11/2014

Plenary Action Requested: TR41.9 requests the concurrence of the plenary to send TSB-31-D-2-R1 out for a reballot and to send the revised addendum out for publication if the default ballot results in no negative votes or comments that need to be addressed.

Plenary Action Taken: Unanimous Concurrence

- TIA-PN-31-D-3, Rationale and Measurement Guidelines for U.S. Network Protection (TSB-31-D Addendum 3)

Current Status: Contribution TR41.9-14-08-007 was discussed. This document provided a revised TSB-31-D Addendum 3 based on the previously reviewed content appearing in another proposed addendum TSB-31-D Addendum 2. A motion was made, seconded and unanimously approved to send the revised addendum out for a reballot as TSB-31-D-3-R1 after an NPRM gets issued by the FCC on TIA’s petition for rulemaking on TIA-4965.

Target Completion Date: 02/2015 (Pending FCC action on the NPRM)

Plenary Action Requested: TR41.9 requests the concurrence of the plenary to send TSB-31-D-3-R1 out for a reballot after the FCC issues an NPRM on TIA’s petition for rulemaking on TIA-4965.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-968-B-2, Technical Requirements for Connection of Terminal Equipment to the Telephone Network – Addendum 2

Current Status: An error in the previously balloted document was identified and needed correction.

Document “TR41.9-14-08-008-ANSI-TIA-968-B-2-D1forDefaultBallot” incorporating the needed corrections was reviewed by the subcommittee. A motion was made, seconded and unanimously approved to send the corrected addendum out for a default ballot. A second motion was made, seconded and unanimously approved to send the corrected addendum out for publication and to ACTA if the default ballot results in no negative votes or comments that need to be addressed.

Target Completion Date: 11/2014

Plenary Action Requested: TR41.9 requests the concurrence of the plenary to send the corrected addendum out for a default ballot and then to send the corrected addendum out for publication and to ACTA if the default ballot results in no negative votes or comments that need to be addressed.

Plenary Action Taken: Unanimous Concurrence

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

Current Status: No questions were raised for this meeting.

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

- Elections for the chair and vice chair were scheduled but were not held since no supported nominations were submitted.

4. Liaison Reports

None.

5. Action Items and Project Status

a. Review of Action Items from Previous Meeting

Chair Steve Whitesell reviewed the status of action items from the May meeting as given in TR41-14-08-009-LR2. Most items were noted as having been completed, but the following items still require action:

Carry Over Item 1: TR-41 Chair to revise draft for v1.6 of TR-41 Operational Guidelines and re-submit at next meeting.

New Item 1: TR-41.3 to submit ANSI/TIA-PN-470.220-D for publication as ANSI/TIA-470.220-D after making agreed editorial changes.

New Item 7: TR-41.7 Chair Randy Ivans to resubmit proposal on adding EMI requirements to ANSI/TIA-PN-571-C with more specific references.

b. Action Items from this Meeting

The action items coming out of this meeting, including the items noted above from the previous meeting that still require action, are listed in Annex B. This list will also be published as contribution TR41-14-11-009 for the next meeting.

c. Project Status Review

Chair Steve Whitesell drew attention to the Project Status Spreadsheet (TR41-14-08-008-LR1) and pointed out the latest updates to projects currently being worked (rows that appear in yellow). In particular, he noted that the rightmost column has been retitled "Superseded by or Other Comments" and that comments had been added about swapping the content of Amendments 2 and 3 to TSB-31-D. During the review, he added a note about the initial ballot on ANSI/TIA-PN-920.110-B being "TIA Only" but the coming second ballot being an ANSI ballot. The revised document was saved as an LR2 version.

6. Old Business

The old business agenda item dealing with a ballot comment resolution proposal for the operating guidelines was not addressed due to the Chair not having completed his action item to produce a proposal.

7. New Business

During the discussion of future meeting schedules (see below), it was noted that we had effectively adjusted the schedule during the week so that all of the meetings could occur in sequence, thus allowing all participants to attend all meetings if they chose to do so. This approach was somewhat dictated by the small number of people in attendance.

Jim Bress then suggested a major change in the philosophy of how we organize our week. His suggestion included the following key points: (1) each group be given a half day meeting slot unless there is a demonstrable need for more time, and (2) that we eliminate the Friday morning TR-41 Plenary. His argument for the latter was that with everyone able to attend all meetings, there is little benefit in reviewing the outcome of the week's results for each subcommittee and asking the Plenary for concurrence in decisions to open projects or send documents out for ballot or publication. Jim

also noted that the Monday morning session is often difficult for people to attend if they have commitments that prevent them from traveling on Sunday.

After further discussion, the group decided to give this proposal a try for the November meeting. The Chairs meeting on Monday evening will be replaced with an opening TR-41 Plenary. There will be no closing Plenary. Monday morning will be reserved for ad hoc meetings of those who are present. The remainder of the schedule will be as shown in Annex C.

8. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of November 17-20, 2015 in Tucson, AZ. The preliminary meeting schedule for the various TR-41 subcommittees and working groups is given in Annex C. The details for the meeting hotel are as follows:

Embassy Suites Tuscon Paloma Village
3110 E Skyline Drive
Tuscon, Arizona 85718
Phone: 520-352-4000
Fax: 520-352-4001
Room Rate: \$139 + 12.05% tax
Cut-off date: October 2, 2014

b. Future Meetings

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

Date	Location
February 9-13, 2015	Austin, Nashville, Savannah, Charleston ??
May 11-15, 2015	San Jose (Hosted by Cisco)
August 10-14, 2015	Ottawa (Hosted by Industry Canada)
November 2-6, 2015	Arlington (TIA Headquarters)

9. Adjournment

There being no further business, the meeting was adjourned at 10:00 am. This meeting was conducted in accordance with the TIA Legal Guidelines found in the TIA Procedures for American National Standards.

Stephen R Whitesell
Chair, TR-41

**Annex A
Document List**

<u>Number</u>	<u>Source</u>	<u>Description</u>
TR41-14-08-001-R1	Chair	Agenda
TR41-14-08-002-R2	Chair	Document List
TR41-14-08-003	Chair	Ottawa Meeting Report
TR41-14-08-004-MR1	Chair	Attendance Spreadsheet
TR41-14-08-005-MR1	Bress	TR-41.3 Chair's Report
TR41-14-08-006-MR1	Ivans	TR-41.7 Chair's Report
TR41-14-08-007-MR1	Ivans	TR-41.9 Chair's Report
TR41-14-08-008-LR2	Chair	Project Status Spreadsheet
TR41-14-08-009-LR2	Chair	Ottawa Action Item List
TR41-14-08-010-L	Kramarikova	TIA Staff Report

Annex B Action Items

Carry-over Items from Previous Meeting(s)

1. TR-41 Chair to revise draft for v1.6 of TR-41 Operational Guidelines and re-submit at next meeting.
2. TR-41.3 to submit ANSI/TIA-PN-470.220-D for publication as ANSI/TIA-470.220-D after making agreed editorial changes.
3. TR-41.7 Chair Randy Ivans to resubmit proposal on adding EMI requirements to ANSI/TIA-PN-571-C with more specific references.

New Items

1. TR-41.3 to send ANSI/TIA-PN-920.110-B out for industry ballot after all changes agreed to during August meeting have been incorporated to resolve comments received during previous TIA-only committee ballot.
2. TR-41.9 to send revised Addendum 2 to TSB 31-D, incorporating content previously proposed for Addendum 3, out for re-ballot as TIA-PN-31-D-2-R1.
3. TR-41.9 to submit TIA-PN-31-D-2-R1 for publication as TSB-31-D-2 if the Item 2 re-ballot results in no negative votes or comments that need to be addressed.
4. TR-41.9 to send revised Addendum 3 to TSB 31-D, incorporating content previously proposed for Addendum 2, out for re-ballot as TIA-PN-31-D-3-R1 once the FCC issues a NPRM on TIA's petition for rulemaking concerning adoption by reference of ANSI/TIA-4965 into the Part 68 rules.
5. TR-41.9 to send ANSI/TIA-PN-968-B-2-D1 out for default industry ballot as the second amendment to ANSI/TIA-968-B.
6. TR-41.9 to submit ANSI/TIA-PN-968-B-2-D1 for publication as ANSI/TIA-968-B-2 and forward it to ACTA for adoption if the Item 5 default ballot results in no negative votes or comments that need to be addressed.

Annex C
Tentative TR-41 Meeting Schedule for November 2014 in Tucson, AZ

Room			
MONDAY 0830 – 1230 17 Nov 2014	Ad Hoc		
MONDAY 1330 – 1730 17 Nov 2014	TR-41.3.5 Analog Tel Xmission Perf (Whitesell – 10)		IEEE STIT (Bareham – 6)
MONDAY 1800 – 1930 17 Nov 2014	TR-41 Opening Plenary Communications Products (Whitesell – 10)		
TUESDAY 0830 – 1230 18 Nov 2014	TR-41.3/ IEEE STIT Wireline Terminals (Bress / Bareham – 15)		
TUESDAY 1330 – 1730 18 Nov 2014	TR-41.3.3 Digital Xmission Perf (Woo -10)		IEEE STIT (Bareham – 6)
TUESDAY 1900 - 2200 18 Nov 2014			
WEDNESDAY 0830 – 1230 19 Nov 2014	TR-41.7 Environmental & Safety (Ivans – 10)		IEEE STIT (Bareham – 6)
WEDNESDAY 1330 – 1730 19 Nov 2014	TR-41.3.14 Acoustic Accessibility (Bress – 10)		IEEE STIT (Bareham – 6)
WEDNESDAY 1900 – 2200 19 Nov 2014			
THURSDAY 0830 – 1230 20 Nov 2014	TR-41.9 Regulatory (Vacant – 10)		IEEE STIT (Bareham – 6)
THURSDAY 1330 – 1730 20 Nov 2014	TR-41.3 Wireline Terminals (Bress – 10)		
THURSDAY 1900-2200 20 Nov 2014			
FRIDAY 0800 – 1030 21 Nov 2014			