

Approved by General Counsel

TR-41 Meeting Report

Date(s): 02/09/2015 - 02/09/2015

Location: Savannah, GA

Approved: 03/17/2015

**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: February 9, 2015
Venue: Hilton Savannah DeSoto
City: Savannah, GA

1. Call to Order and Opening Business

a. Call to Order and Introductions

Chair Steve Whitesell called the meeting to order at 6:05 pm, and the attendees introduced themselves.

b. Roll Call and Quorum

Roll call was taken and a quorum was declared with 4 of 5 voting member companies represented (see TR41-15-02-004-MR1). Since this was the third consecutive meeting at which UL was not represented, it was removed from the quorum list prior to the determination of quorum.

1) Quorum Members or Alternates Present

AST – Don McKinnon
Cisco – Tim Lawler

Industry Canada – Jason Nixon
Whitesell Consulting – Steve Whitesell

2) Quorum Members Absent

Plantronics – Allen Woo

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 of 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.

e. Review and Approve Agenda

A slightly modified agenda (TR41-15-02-001-MR1) was submitted for review. It included the addition of a couple of document numbers and changes of identification of subcommittee leadership for the week as follows: Don McKinnon in place of Jim Bress for TR-41.3, ad hoc in place of Randy Ivans for TR-41.7, and Jason Nixon in place of ad hoc for TR-41.9. The modified agenda was unanimously approved without further change.

f. Chair's Remarks

The chair welcomed Don McKinnon from AST Technology Labs to the meeting and noted he would be providing the leadership for TR-41.3, TR-41.3.3, and TR-41.3.14 activities for the week in the absence of Jim Bress and Allen Woo. He also indicated Jason Nixon had informed him that efforts to gain management approval to formally become a candidate for the open TR-41.9 Chair position had been put on hold, at least temporarily, but that he was willing to serve in the role as Interim Chair.

g. TIA Staff Remarks

Marianna Kramarikova stated that the person who will fill the TIA CTO position has been chosen but that an official announcement probably would not be made until the April time-frame. The responsibilities of the CTO will include managing the Technology and Standards Department. She also mentioned that TIA's Network of the Future Conference will be held June 2-4 in Dallas.

TIA's Style Guide for publishing standards is under review. Steve Whitesell has been participating in the process and has provided feedback. The FTP site password was updated on January 20, 2015 and an email notification was sent to participants. Individuals may get the FTP password by logging into their accounts on the Committee Members Tools webpage.

The TIA Board met at TIA HQ the first week in February. The Technical Committee (TC) and the Technical Standards Subcommittee (TSSC) met in January with Steve Whitesell and Jim Bress participating on the calls. New TC and TSSC Chair Adam Drobot held half-hour conference calls with each of the Engineering Committee Chairs and reported on his discussions during the TSSC meeting. Common themes included re-evaluation of the TIA Membership Fee structure, particular for smaller companies; the need to address new and emerging technologies to fuel fresh standards projects; and marketing help to promote standards and provide outreach for additional standards committee participants.

See TR41-15-02-008-L

h. Meeting Documents

The list of documents for the meeting (see TR41-15-02-002) and is provided in Annex A.

2. Previous Meeting Report

The report of the previous meeting (TR41-15-02-003) was reviewed and approved without change.

3. Anticipated Subcommittee Work for this Meeting

TR-41's subcommittees and working groups will meet at various times during the week. The anticipated activities are summarized below.

a. TR-41.3 – Analog and Digital Wireline Terminals – Don McKinnon for James Bress

TR-41.3.5 met on Monday afternoon and will continue its work on Tuesday morning. It is resolving ballot comments on ANSI/TIA-PN-912-C (voice gateways) and ANSI/TIA-PN-1063-A (ATA analog port requirements) with the intent of approving revised drafts for default ballot.

TR-41.3.3 will meet on Tuesday following conclusion of the TR-41.3.5 meeting to review a revised drafts of ANSI/TIA-PN-920.110-B (digital transmission performance for devices with handsets) and ANSI/TIA-PN-920.000-B (digital transmission overview document) with the intent of approving both documents for ANSI ballot.

TR-41.3.14 will meet on Wednesday afternoon to consider drafts of ANSI/TIA-PN-1083-B (magnetic coupling) and ANSI/TIA-PN-4953-A (amplified telephones). The 1083 revision will add requirements for wideband performance and allow the use of real voice instead of sine waves as the test signal. The 4953 revision includes adding requirements for speakerphones and digital telephones and including requirements for wideband performance, SDNR at maximum volume, and sidetone performance with a 600 ohm termination for simulating use with an ATA. The intent is to have both documents ready for their initial ANSI ballots.

The TR-41.3 Subcommittee will meet on Thursday morning to review the outputs of the Working Groups and approve documents for ballot as appropriate.

b. TR-41.7 – Environmental and Safety Considerations – Steve Whitesell (Acting Chair)

TR-41.7 will meet on Wednesday morning to consider review changes made to the draft of ANSI/TIA-PN-571-C as directed at the last meeting. The document was supposed to have been submitted for re-ballot, but Steve Whitesell serving as acting editor was unable to find a simple way to implement the separation of surge requirements into three subsections dealing with surges to power lines, PSTN connections, and connections to other communications circuits. The intent is to resolve that issue and then approve the document for ANSI re-ballot.

c. TR-41.9 – Terminal Attachment Programs – Jason Nixon (Interim Chair)

TR-41.9 will meet on Thursday afternoon with Jason Nixon of Industry Canada taking on the role of Interim Chair. ANSI/TIA-968-B-2 has been submitted to TIA for publication following completion of a successful default ballot with no comments. A template for the letter to transmit the published document to ACTA for its 30-day review and adoption has also been provided to TIA. TR-41.9 needs to make a recommendation to ACTA regarding the transition period that should be allowed for implementing the changes specified in this amendment. TSB-31-D-2 has also been submitted to TIA for publication following completion of its successful default ballot with no comments receive.

Concerns about grounding arrangements during testing and possible work on a G.Fast were raised at the last meeting and will be discussed further. Contributions proposing to add e-labeling to TIA-168-B and requiring a minimum REN of 01 (0.1) be shown on the FCC label will also be addressed.

4. Liaison Reports

a. ETSI STQ – Steve Whitesell and Marianna Kramarikova

Linda Kozma-Spytek from Gallaudet University has become involved with ETSI STQ on hearing accessibility issues. She is working with Scott Isabelle of Audience AV Products, who is one of the STQ Vice-Chairs, on this subject. Scott was previously with Motorola and worked with Linda on hearing aid compatibility studies at HLAA conventions. Former TR-41 participant Joachim Pomy and Hans Geirlich, who is known to some of our participants, are also STQ Vice-Chairs.

STQ is considering having a meeting in the U.S. on September 21-25, 2015. Linda reached out to Steve and Marianna about the possibility of having the meeting at TIA HQ instead of at or near the Audience facilities in California. Marianna has confirmed the meeting space is available on those dates. The question is whether TR-41 would want to move up its November meeting date and hold a collocated meeting. Other alternatives might be to agree on a compromise date sometime in October or for just TR-41.3.14 to have a joint meeting with STQ. After discussion, it was agreed that Steve should contact STQ Chair Andreas Kamcke and propose three options (in order of preference):

1. Invite STQ to reschedule its meeting and collocate with TR-41 at the November 2-5 meeting we already have scheduled at TIA HQ.
2. Have both groups shift their meeting dates and find a compromise date in October (say the week of Oct 5-9 or Oct 12-16) to have a collocated meeting at TIA HQ.

3. Have STQ meet at TIA HQ on the originally proposed Sept 21-25 dates. TR-41 would not collocate, but members of the TR-41.3.14 WG might be able to attend a joint session on one of the days.

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 November 2014 meeting as given in TR41-15-02-006-L. See TR41-15-02-007-L for Steve's report to the TSSC addressing the Action Item about the possibility of TR-41 taking over the TIA acoustic interface specification requirements for all communications products by becoming the acoustic-centric committee, or having an acoustic-centric subcommittee. This proposal was reasonably well received. Jim Bress will be asked to take the point in leading this activity since it seems to best fit with TR-41.3 responsibilities.

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.

Carry Over Item 3: 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. This is still awaiting FCC action and should probably be dropped from our action item list until such time as that happens.

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 TR41-15-05-006 for the next meeting.

c. Project Status Review

Chair Steve Whitesell reviewed the Project Status Spreadsheet (TR41-15-02-005-L) with respect to documents that have five-year review dates that are overdue or due this year or in the first half of 2016. He requested the Subcommittee Chairs to add consideration of each of the identified documents to their agendas for the May meeting. Recommendations for ANSI standards can be to reaffirm, revise, or withdraw. They can also be allowed to have their ANSI status lapse and continue as TIA-only standards. An additional possibility for TSBs and TIA-only standards is to do nothing.

TR-41.3 Documents:

ANSI/TIA-470.120-C	Feb 2016
ANSI/TIA-470.130-C	Apr 2013
ANSI/TIA-470.310-C	Oct 2015
ANSI/TIA-777-A	Feb 2016
ANSI/TIA-855-A	Jun 2016

TR-41.7 Documents:

ANSI/TIA-631-B	Feb 2016
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TR-41.9 Documents:

TSB-129-B	Dec 2015
ANSI/TIA-968-B	Aug 2014
TIA-1096-A	Mar 2013

TR-41 (for Inactive Subcommittees)

TSB-32-A	Jan 2014
TSB-116-A	May 2016
TSB-123-A	May 2016
TSB-147	Jul 2014
ANSI/TIA-464-C	May 2014
ANSI/TIA-464-C-1	May 2014
ANSI/TIA-594-B	Aug 2014

ANSI/TIA-596	Jan 2016
ANSI/TIA-689-A	Aug 2014
TIA-811-A	May 2016
ANSI/TIA-1057	Aug 2016
ANSI/TIA-1062	Oct 2016

6. Old Business

None

7. New Business

None

8. Meeting Schedules**a. Next Meeting**

The next meeting will be held May 11-14, 2015. Tim Lawler has arranged for it to be hosted by Cisco Systems in San Jose, CA. The IEEE Subcommittee on Telephone Instrument Testing (STIT) will be collocating with us for the meeting.

The preliminary meeting schedule for the various TR-41 subcommittees, its working groups, and IEEE STIT is given in Annex C. TIA will not be reserving a block of hotel rooms for this meeting, but some hotels near the Cisco location are identified on the Meeting Notice. The details for the meeting location are as follows:

Cisco Systems
125 West Tasman Drive
Building P
San Jose, CA 95134

b. Future Meetings

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

Date	Host	Location
August	Industry Canada	Kanata (Ottawa), ON
November 2-5	TIA Headquarters	Arlington, VA

9. Adjournment

There being no further business, the meeting was adjourned at 8:15 pm. 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>
TR41-15-02-001-MR1	Chair	Agenda
TR41-15-02-002	Chair	Document List
TR41-15-02-003	Chair	Tucson Meeting Report
TR41-15-02-004-MR1	Chair	Savannah Attendance Spreadsheet
TR41-15-02-005-L	Chair	TR-41 Project Status Spreadsheet
TR41-15-02-006-L	Chair	Savannah Action Item List
TR41-15-02-007-L	Chair	TR-41 Report to TSSC on 20150120
TR41-15-02-008-L	Kramarikova	TIA Staff Remarks

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.

New Items

1. TR-41 Chair to contact ETSI STQ Chair Andreas Kamcke about having collocated meeting later this year with TR-41 at TIA Headquarters either (in order of preference):
 - a. On current TR-41 meeting dates of November 2-5.
 - b. On compromise dates in October (possibly October 5-9 or October 12-16).
 - c. On originally proposed September 21-25 meeting dates (with only TR-41.3.14 participating for one day joint session).
2. TR-41.3 Chair to add proposed disposition of following documents to agenda for next meeting. These are documents whose 5-year review dates shown are overdue or coming due by June 2016.
 - a. ANSI/TIA-470.120-C Feb 2016
 - b. ANSI/TIA-470.130-C Apr 2013
 - c. ANSI/TIA-470.310-C Oct 2015
 - d. ANSI/TIA-777-A Feb 2016
 - e. ANSI/TIA-855-A Jun 2016
3. TR-41.7 Ad Hoc Chair to add proposed disposition of following document to agenda for next meeting. This document has a 5-year review date coming due by June 2016.
 - a. ANSI/TIA-631-B Feb 2016
4. TR-41.9 Interim Chair to add proposed disposition of following documents to agenda for next meeting. These are documents whose 5-year review dates shown are overdue or coming due by June 2016.
 - a. TSB-129-B Dec 2015
 - b. ANSI/TIA-968-B Aug 2014
 - c. TIA-1096-A Mar 2013
5. TR-41 Chair to add proposed disposition of following documents from inactive subcommittees to agenda for next meeting. These are documents whose 5-year review dates shown are overdue or coming due by June 2016.
 - a. TSB-32-A Jan 2014
 - b. TSB-116-A May 2016
 - c. TSB-123-A May 2016
 - d. TSB-147 Jul 2014
 - e. ANSI/TIA-464-C May 2014
 - f. ANSI/TIA-464-C-1 May 2014
 - g. ANSI/TIA-594-B Aug 2014
 - h. ANSI/TIA-596 Jan 2016
 - i. ANSI/TIA-689-A Aug 2014
 - j. TIA-811-A May 2016
 - k. ANSI/TIA-1057 Aug 2016
 - l. ANSI/TIA-1062 Oct 2016

Annex C
Tentative TR-41 Meeting Schedule for May 2015 in San Jose

Room	Christopher Columbus	Daniel Boone
MONDAY 0830 – 1230 11 May 2015	Ad Hoc	
MONDAY 1330 – 1730 11 May 2015	TR-41.3.5 Analog Tel Xmission Perf (Whitesell – 10)	IEEE STIT (Bareham – 6)
MONDAY 1800 – 1930 11 May 2015	TR-41 Opening Plenary Communications Products (Whitesell – 10)	
TUESDAY 0830 – 1230 12 May 2015	TR41.3 / IEEE STIT Joint Meeting Bress / Bareham – 15)	
TUESDAY 1330 – 1730 12 May 2015	TR-41.3.3 Digital Xmission Perf (Woo -10)	IEEE STIT (Bareham – 6)
TUESDAY 1900 - 2200 12 may 2015		
WEDNESDAY 0830 – 1230 13 May 2015	TR-41.7 Environmental & Safety (Vacant – 10)	IEEE STIT (Bareham – 6)
WEDNESDAY 1330 – 1730 13 May 2015	TR-41.3.14 Acoustic Accessibility (Bress – 10)	IEEE STIT (Bareham – 6)
WEDNESDAY 1900 – 2200 13 May 2015		
THURSDAY 0830 – 1230 14 May 2015	TR-41.3 Wireline Terminals (Bress – 10)	IEEE STIT (Bareham – 6)
THURSDAY 1330 – 1730 14 May 2015	TR-41.9 Regulatory (Vacant* – 10)	IEEE STIT (Bareham – 6)
THURSDAY 1900-2200 14 May 2015		

*Jason Nixon has agreed to serve as Interim Chair for TR-41.9