Approved by General Counsel

TR-41 Meeting Report

Date(s): 05/11/2015 - 05/11/2015

Location: San Jose, CA

Approved: 06/24/2015

Telecommunications Industry Association
Standards and Technology Department

Engineering Committee TR-41
Performance and Accessibility for Communications Products

Meeting Report

Chair: Stephen R. Whitesell   **Date: May 11, 2015**
Vice-Chair: (Vacant)   **Venue: Cisco Systems**
Secretary: (Vacant)   **City: San Jose, CA**

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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 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 TR41-15-05-004-MR1). Jason Nixon of Industry Canada was given an excused absence because he was unavoidably delayed (his connecting flight out of Houston was cancelled due to weather).

    1) **Quorum Members or Alternates Present**

    AST – Don McKinnon   Plantronics – Allen Woo
    Cisco – Tim Lawler   Whitesell Consulting – Steve Whitesell

    2) **Quorum Members Absent**

    Industry Canada – Jason Nixon (Excused)

    3) **Others Present**

    Cisco – Sanjiv Garg   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 updates for some document numbers and the addition of a Liaison Report on ACTA under Item 5. The revised agenda was unanimously approved as presented.

f. Chair's Remarks

The chair welcomed Don McKinnon from AST Technology Labs to his second consecutive meeting and noted he would be providing the leadership for TR-41.3 and TR-41.3.14 activities for the week in the absence of Jim Bress. He also welcomed Sanjiv Garg, a coworker of Tim Lawler at Cisco.

g. TIA Staff Remarks

Marianna Kramarikova presented her TIA Staff Report (TR41-15-05-009-L). She announced that Franklin Flint, formerly with Dell, has joined the TIA Executive Team as Chief Technology Officer. His responsibilities include managing the Technology and Standards Department. Marianna also announced that Patti Higgenbotham is the new Senior Vice President and General Counsel. Stephanie Montgomery has been promoted to Vice President of Technology and Standards. 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 still undergoing review. Steve Whitesell has been participating in the process and has provided feedback. TIA's Policy and Standards staff dealing with Accessibility topics met on April 13. A Memorandum of Understanding (MoU) has been reached with Gallaudet University although arrangements are still pending for the formal signing of the agreement. This allows Linda Kozma-Spytek to participate as an official participant in our TR-41 standards work.

The TIA-4953 License Agreement web page is to be updated to become the Accessibility web page. Information on TIA-1083-A will be added and the HLAA information will be updated. Tony Jaisonowski of Panasonic is working with Marianna on this.

h. Meeting Documents

The list of documents for the meeting (see TR41-15-05-002-R2) was reviewed and is provided in Annex A.

2. Previous Meeting Report

The report of the previous meeting (TR41-15-05-003-R1) 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 held an Interim Meeting on April 22 to resolve the Default Ballot comments on ANSI/TIA-PN-912-C (voice gateways). The results of that meeting will be reviewed with the expectation of approving a revised draft to be circulated for asecond default ballot. The default ballot on ANSI/TIA-PN-1063-A (ATA analog port requirements) closed successfully, and that document is expected to be approved for publication. However, it is anticipated that actual submission of the document for publication will be delayed until ANSI/TIA-PN-912-C is also ready because of cross-references to that document.

An informal joint meeting of TR-41.3 and the IEEE Communication Electroacoustics Working Group (CEWG, formerly the Subcommittee on Telephone Instrument Testing, or STIT) will be held on Tuesday morning to discuss items of mutual interest to the two groups. Expected toipics include updates on CEWG's new name and current activities, and the AST ANSI/TIA-PN-920.110-B ballot comment proposal regarding PN-SDNR testing.

TR-41.3.3 will meet on Tuesday afternoon to resolve ballot comments on ANSI/TIA-PN-920.000-B (digital transmission overview document) and ANSI/TIA-PN-920.110-B (digital transmission performance for devices with handsets). The single comment on 920.000-B is editorial, so it is anticipated thatdocument can be approved for publication. However, actual submission for publication will be delayed until 920.110-B is also ready. The comments on the latter document were extensive and will probably require the document be submitted for an ANSI re-ballot.

TR-41.3.14 will meet on Wednesday afternoon to resolve ballot comments on ANSI/TIA-PN-1083-B (magnetic coupling) and ANSI/TIA-PN-4953-A (amplified telephones). Both documents will probably have to be submitted for ANSI reballot after the comments are resolved.

The TR-41.3 Subcommittee will meet on Thursday morning to review the ouputs of the Working Groups and approve documents for ballot or publication, as appropriate. The subcommittee will consider making recommendations for several existing documents that are either overdue for their 5-year review or are coming due for it by June of 2016. In addition, Scott Isabelle, one of thre ETSI STQ Vice Chairs, is expected to join the meeting. He and TR-41 Chiar Steve Whitesell have been having preliminary discussions about the possibility of a collocated TR-41/STQ meeting at TIA headquarters in the October 2016 time-frame.

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

TR-41.7 will meet on Wednesday morning to consider ballot comments on ANSI/TIA-PN-571-C (environmental considerations). It is expected that the document will need to be submitted for an ANSI default ballot or second re-ballot once the comments are resolved. The subcommittee also needs to consider what should be done with ANSI/TIA-631-B (RF immunity). Depending on what is decided about 631-B, we may want to consider making TR-41.7 inactive once the work on 571-C is completed.

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

TR-41.9 will meet on Thursday afternoon to consider contributions for the revision of TIA-168-B (labeling requirements). Tim Lawler of Cisco has a proposal for allowing electronic labeling of products that have a display scree, and Jason Nixon of Industry Canada has raised an issue about making 0.1 the minimum REN shown on the product label (0.0 implies an infinite number of such products could be connected to the telephone line). Tim Lawler has also provided an overview contribution on G.FAST requiremetns that could be added to ANSI/TIA-968-B (network harms). A recommendation is needed about whether to revise or reaffirm this document since it is overdue for its 5-year review. We should also make similar determinations for TIA-1096-A and TSB-129-B. A liaison report to ACTA discussing how effective dates should be identified when submitting documents to ACTA for adoption will be reviewed. A liaison reply from ACTA about B-Type ringing was also received just prior to the meeting.

4. Liaison Reports

a. ACTA – Steve Whitesell

Steve Whitesell provided a TR-41 liaison report to ACTA (TR41-15-05-007-L) for its April 23 meeting. The report covered our November 2014 and February 2015 meetings, with an emphasis on TR-41.9 activities. It included information about Jason Nixon of Industry Canada stepping up to serve as Interim TR-41.9 Chair. The confusion that resulted from our submitting ANSI/TIA-968-B-2 to ACTA for adoption with information concerning TR-41.9's recommendation concerning effective dates in a separate email message was discussed in the ACTA meeting. The ACTA OP&P calls for such information to be included directly in the standards document being submitted. Steve pointed out that Industry Canada is considering also pointing to ANSI/TIA-968-B for its network harms requirements rather than continuing to maintain its CS-03 document. This makes it somewhat problematic to comply with the ACTA OP&P requirement. ACTA members agreed to amend their OP&P to allow effective date information to be included in the cover letter transmitting a standard to ACTA for adoption.

Steve also raised a question about the need for Type B ringing during the ACTA meeting. Requirements for anything other than 20 Hz ringing were deleted from the T1.401 network interface standard when it was revised in 2000. He had thought there would be representatives of network service providers present who might have an opinion on the subject. There were no service providers present, and the ACTA Secretariat said it could not speak for the ATIS Copper/Optical Access, Synchronization, and Transport Committee (COAST) that is responsible for the successor ATIS-0600401.2006 document but that they would ask COAST to provide feedback. A liaison reply (TR41-15-05-008-L) was received just prior to this week's meeting and will be discussed by TR-41.9 (see Item 3.c).

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 February 2015 meeting as given in TR41-15-05-006-R2. The effort to schedule a collocated meeting with ETSI STQ (New Action Item 1) was unsuccessful for 2015, but will be continued as a revised Action Item for 2016 (also see Item 3.a above).

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 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

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 TR41-15-08-006 for the next meeting.

c. Project Status Review

Chair Steve Whitesell reviewed the Project Status Spreadsheet (TR41-15-05-005). Information regarding the seven documents that had ballots closing in the April time-frame has been added to the document. TR-41 and the TR-41.7 and TR-41.9 subcommittees have added disposition of documents identified at the February meeting as having five-year review dates that are overdue or due this year or in the first half of 2016. TR-41.3 will do so for the next meeting.

d. Disposition of Documents from Inactive Subcommittees

The status of the following documents from inactive subcommittees was reviewed and recommendations made as discussed below (five year review dates also shown):

TSB-32-A, Private Network Transmission Plan	Jan 2014
TSB-116-A, IP Telephony Voice Quality Recommendations	May 2016
TIA-123-A, North American QSIG Interoperability Test Plan	May 2016
TSB-147, TIA/ETSI PBX Transmission Requirement Comparison	Jul 2014
ANSI/TIA-464-C, PBX Standard	May 2014
ANSI/TIA-464-C-1, Addendum to PBX Standard	May 2014
ANSI/TIA-594-B, Private Integrated Services Network Synch	Aug 2014
ANSI/TIA-596, Network Channel Terminating Equipment	Jan 2016
ANSI/TIA-689-A, PBX and KTS Support of E-911	Aug 2014
TIA-811-A, VoIP Feature Telephones	May 2016

After discussion, the group decided that the ANSI documents should be downgraded to TIA-only status and that all documents should then be allowed to continue as active TIA documents without revision or reaffirmation. Don McKinnon made a motion to that effect, and Allen Woo seconded it. The motion passed with unanimous consent.

6. **Old Business – Continued Discussion about TR-41 Structure Going Forward**

TR-41.7 will discuss what it recommends should happen once the current work on ANSI/TIA-PN-571-C is completed. It has ANSI/TIA-631-B (RF immunity) due for its 5-year review in February 2016 (see Item 3.b above) and ANSI/TIA-1194 (surge resistibility of smart grid equipment) in November 2016.

During the discussion about TR-41.7, the subject of including safety-related requirements in our documents was raised. TR-41.7 has served as a sounding board for telecom-related safety issues and provided inputs to UL from time-to-time on such matters. The Chair was asked to contact TIA legal counsel about this matter. Marianna pointed out that new CTO Franklin Flint and Standards Vice President Stephanie Montgomery should also be involved in this discussion.

7. **New Business**

None

8. **Meeting Schedules**

a. **Next Meeting**

The next meeting will be held August 4-7, 2015. Jason Nixon has arranged for it to again be hosted by Industry Canada at their lab facilities in Kanata (Ottawa), Ontario, Canada. The meetings will run Tuesday through Friday of that week since Monday, August is the Civic Holiday in Ontario.

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

> Industry Canada
> Laboratory Building 94
> 3701 Carling Avenue
> Ottawa, ON K2H 8S2
> Canada

b. **Future Meetings**

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

Date	Host	Location
November 2-5, 2015	TIA Headquarters	Arlington, VA
February 1-4, 2016		
May 2-5, 2016		

9. **Adjournment**

There being no further business, the meeting was adjourned at 8:20 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**

Number	Source	Description
TR41-15-05-001-LR1	Chair	San Jose Agenda
TR41-15-05-002-R2	Chair	Document List
TR41-15-05-003-R1	Chair	Savannah Meeting Report
TR41-15-05-004-MR1	Chair	San Jose Attendance Spreadsheet
TR41-15-05-005	Chair	TR-41 Project Status Spreadsheet
TR41-15-05-006-R2	Chair	Savannah Action Item List
TR41-15-05-007-L	Chair	TR-41 Liaison Report to ACTA
TR41-15-05-008-L	Chair	Liaison Reply from ATIS Re B-Type Ringing
TR41-15-05-009-L	Kramarikova	TIA Staff Marks

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 Chair to continue to work with ETSI STQ Vice Chair Scott Isabelle about having collocated meeting at TIA Headquarters in the late October 2016 time-frame.

3. 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

New Items

1. Marianna Kramarikova and Tony Jaisonowski to work on getting the TIA-4953 License Agreement web page updated to become the Accessibility web page. Information on TIA-1083-A will be added and the HLAA information will be updated.

2. TR-41 Chair to submit Status Change Request Forms to downgrade the following ANSI standards created by inactive subcommittees to TIA-only status:
    a. ANSI/TIA-464-C, PBX Standard
    b. ANSI/TIA-464-C-1, Addendum to PBX Standard
    c. ANSI/TIA-594-B, Private Integrated Services Network Synch
    d. ANSI/TIA-596, Network Channel Terminating Equipment
    e. ANSI/TIA-689-A, PBX and KTS Support of E-911

3. TR-41 Chair to update TR-41 Project Status Spreadsheet to reflect status change of above documents.

4. TR-41 Chair to contact TIA Legal Counsel Patti Higgenbotham, CTO Franklin Flint, and Standards Vice President Stephanie Montgomery about whether safety-related requirements can be included in TIA standards.

Annex C
Tentative TR-41 Meeting Schedule for August 2015 in Ottawa

Room		
TUESDAY **0830 – 1230** **04 Aug 2015**	**Ad Hoc**	
TUESDAY **1330 – 1730** **04 Aug 2015**	**TR-41.3.5** **Analog Tel Xmission Perf** **(Whitesell – 10)**	
TUESDAY **1800 – 1930** **04 Aug 2015**	**TR-41 Opening Plenary** **Communications Products** **(Whitesell – 10)**	
WEDNESDAY **0830 – 1230** **05 Aug 2015**	**TR41.3.5/TR-41.3.3** **As Needed** **(Whitesell/Woo – 10)**	
WEDNESDAY **1330 – 1730** **05 Aug 2015**	**TR-41.3.3** **Digital Xmission Perf** **(Woo -10)**	
WEDNESDAY **1900 - 2200** **05 Aug 2015**		
THURSDAY **0830 – 1230** **06 Aug 2015**	**TR-41.7** **Environmental & Safety** **(Vacant – 10)**	
THURSDAY **1330 – 1730** **06 Aug 2015**	**TR-41.3.14** **Acoustic Accessibility** **(Bress – 10)**	
THURSDAY **1900 – 2200** **06 Aug 2015**		
FRIDAY **0830 – 1230** **07 Aug 2015**	**TR-41.3** **Wireline Terminals** **(Bress – 10)**	
FRIDAY **1330 – 1730** **07 Aug 2015**	**TR-41.9** **Regulatory** **(Vacant* – 10)**	
FRIDAY **1900-2200** **07 Aug 2015**		

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