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Approved by General Counsel

TR-41 Meeting Report

Date(s): 11/05/2012 - 11/09/2012

Location: Las Vegas, NV

Approved: 11/30/2012

**Telecommunications Industry Association
Standards and Technology Department**

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

Meeting Report

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

Date: November 9, 2012
Venue: Embassy Suites
City: Las Vegas, NV

1. Call to Order and Opening Business

a. Call to Order and Introductions

Chair Steve Whitesell called the meeting to order at 8:05 am, and the attendees introduced themselves.

b. Roll Call and Quorum

Roll call was taken and a quorum was declared with 6 of 7 voting member companies represented.

1) Quorum Members or Alternates Present

AST – James Bress
Cisco – Tim Lawler
Littelfuse – Will Li

Plantronics – Allen Woo
UL – Randy Ivans
Whitesell Consulting – Steve Whitesell

2) Quorum Members Absent

Uniden – Al Baum

3) Others Present

Industry Canada – Magdoly Rondon

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 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 the head of TIA's Standards Program on a case-by-case basis.

d. Review and Approve Agenda

An R2 version of the agenda was submitted for review. It differed from the R1 version that had previously been posted on the TR-41 web page by the deletion of Item 6.e, Addition of Ballot Comment Resolution Proposal to Operating Guidelines. Chair Steve Whitesell explained that he had not completed his action item to create a draft revision of the Operating Guidelines showing this addition, so the item would have to be delayed until the next meeting. The modified agenda was unanimously accepted.

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, including requirements introduced through normative references, 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.

No disclosures were made.

f. Chair's Remarks

The Chair indicate he had no specific remarks to make, but he did ask for feedback about the venue. This was about the third or fourth time TR-41 has met at this hotel. Participants again indicated their positive support for the facility and said they would be willing to come back anytime.

g. TIA Staff Remarks

Marianna Kramarikova indicated she had no staff remarks for this meeting.

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, November 8, 2012. 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-470.110-D, Handset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.110-D)
Current Status: Expecting ballot to go out in 2012.
Target Completion Date: 05/2013
- TIA-PN-920.120-A-R2, Transmission Requirements for Wideband Digital Wireline Speakerphones (to become TIA-920.120-A)
Current Status: Submitted for publication in October 2012.
Target Completion Date: 11/2012
- ANSI/TIA-PN-470.230-C-RF1-R1, Network Signaling Performance requirements for Analog Telephones (Reaffirmation of ANSI/TIA-470.220-C)
Current Status: Reaffirmation completed and confirmed in an email from TIA Oct 24, 2012.
Target Completion Date: Completed (10/2012)
- ANSI/TIA-PN-470.320-C-RF1-R1, Cordless Telephone Operation and Feature Performance Requirements (Reaffirmation of ANSI/TIA-470.320-C)
Current Status: Reaffirmation completed and confirmed in an email from TIA Oct 24, 2012.
Target Completion Date: Completed (10/2012)

- ANSI/TIA-PN-810-C, Transmission Requirements for Narrowband Digital Telephones
 Current Status: Project opened 07/20/2012. Contributions from Steve Whitesell (Whitesell Consulting), Tim Lawler (Cisco), and Bob Young (Bob Young Consulting) were reviewed. Time was spent reviewing TIA-920.110-A to identify clauses that would need to be changed to use TIA-920.110-A as a starting point to create ANSI/TIA-810.110-C. The decision was made to revise TIA-810-B into three separate documents (ANSI/TIA-810.110-C: Handset, ANSI/TIA-810.120-C: Speakerphone, and ANSI/TIA-810.130-C: Headset).
 The editor (Steve Whitesell) will make the changes necessary to the TIA-920.xxx-A documents to create the TIA-810.xxx-C drafts and incorporate the changes agreed from the contributions (e.g., add conversational gain for volume control, pulsed noise SDNR).
 TR-41.3 voted to modify the previously approved project initiation to revise TIA-810-B to be three separate projects (one for each document).
 Target Completion Date: 05/2013
 Plenary Action Requested: TR-41.3 requests the concurrence of TR-41 to open three projects for revising TIA-810-B and working with TIA to manage cancelling or revising the currently opened project.
 Plenary Action Taken: Unanimous concurrence
- ANSI/TIA-PN-1063-A, Analog Telephone Port Requirements for Packet-based User Premises Terminal Equipment (to become ANSI/TIA-1063-A)
 Current Status: Project was opened on September 13, 2012, but work has not started while waiting for contributions.
 Target Completion Date: 11/2013
- ANSI/TIA-PN-4965, Receive Volume Control Requirements for Digital and Analog Wireline Terminals (to become ANSI/TIA-4965)
 Current Status: Published October 2012
 Target Completion Date: Complete
- TIA-PN-177-A, Guidelines for Marking and Labeling CPE Complying with TIA User Premises Equipment Standards TSB-177-A)
 Current Status: The project was approved in the Aug 2012 meeting, and the ballot was authorized by an interim TR41.3 meeting on Sept 7th. The ballot closed in October with 9 approve, 1 approve with comments, 2 abstain, and 5 ballots not returned. TR-41.3 voted to submit TSB-177-A to TIA for publication.
 Target Completion Date: 11/2012
 Plenary Action Requested: TR-41.3 requests the concurrence of TR-41 to submit TSB-177-A for publication.
 Plenary Action Taken: Unanimous concurrence

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

- TR-41.3 is changing the name and scope of the TR-41.3.5 working group to “Analog Telephone Transmission Performance” and the scope of the working group to “Develops and maintains standards for the transmission performance of telephones having an analog interface for connection to telecommunications services”.
- Four new projects for wideband analog interface telephones were voted to be initiated and the work will be done in the TR-41.3.5 working group. Steve Whitesell (Whitesell Consulting) was appointed to be chair of the working group and editor for the new projects by the TR-41.3 chair (Bress, AST Technology Labs). The four projects will be as follows:
 - Transmission Requirements for Wideband Analog Telephones with Handsets
 - Transmission Requirements for Wideband Analog Telephones with Speakerphones
 - Transmission Requirements for Wideband Analog Telephones with Headsets
 - Feature Performance Requirements for Wideband Analog Telephones Used with VoIP Services

Plenary Action Requested: TR-41.3 requests the concurrence of TR-41 open four new projects for wideband analog interface telephones.

Plenary Action Taken: Unanimous concurrence

- TR-41.3 will be sending a liaison message to ETSI STQ to inform of the new wideband analog telephone standards projects initiated in TR-41.3.
- TR-41 is seeking the help of the TIA leadership to assign resources (specifically Marianna Kramarikova's time) to further TR-41's current project to engage the ICT industry to participate in TR41's standards development work.

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

Subcommittee TR-41.7 met on Wednesday November 7, 2012 from 9:00 am to 2:00 pm. Five members were in attendance. The TR41.7.1 WG did not meet separately this week.

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, Mechanical Environmental Performance Requirements

Current Status: The subcommittee reviewed a contribution from Al Martin on the subject of surges. Some revisions were made and the subcommittee agreed to eliminate the conditional "should comply" set of surges and make them mandatory. The performance criteria for one high energy surge will be eliminated and changed to no fire or fragmentation hazards only. It was suggested that additional surge criteria for other types of interfaces, such as coaxial or intra-building, need to be added to make the document more useful for today's technologies.

It was suggested that the document should eliminate all conditional requirements and make all of the requirements mandatory as this would eliminate confusion regarding what a product complies with when it is claimed to be TIA-571 compliant". The subcommittee agreed. There was some consideration given to the idea of "levels" of compliance, for example, standard and enhanced/extreme, if this becomes necessary for some types of equipment.

The subcommittee is seeking additional comments and contributions regarding the updating of this standard.

Target Completion Date: Changed to November 2013

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

- There was some discussion regarding the UL 62368-1 technical harmonization committee (THC). The subcommittee requires additional information regarding the future activities of the THC and in order to make a determination of TIA's future role in this group. A request has been made to UL for additional information.
- TIA-1194 – A suggestion was made that TIA-1194, "Surge Resistibility of Smart Grid Equipment Connected to either DC or 120/240 V Single Phase AC and Metallic Communication Lines", should be driven to be accepted by the NIST Smart Grid Interoperability Panel (SGIP) for inclusion into their Catalog of Standards, a technical document available as a guide for all involved with Smart Grid-related technology. TR41.7 had made a presentation to the NIST H2G working group giving an overview of this standard but that does not guarantee acceptance by the SGIP. TR-41.7 agreed that the TIA should aggressively pursue acceptance as it would give broad exposure to the standard and to TIA standards development activities in general.

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

Subcommittee TR-41.9 met on Monday afternoon, November 5, 2012 and on Tuesday morning, November 6, 2012. There was no separate meeting of its TR-41.9.1 Working Group.

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 Cisco submission with a proposed amendment to TSB-31-D (TR41.9-12-11-007) was reviewed and edited. The revised document with the edits will be posted on the public ftp site and a cleaned-up version in the proper addendum format will be prepared and

posted on the committee working site. These will be reviewed and further discussed in February 2013 at which time it is expected we will be able to send the finished document out for ballot.

Target Completion Date: June 2013

- PN-3-4124, Responses to Part 68 and TIA-968 Questions (On-going effort)
Current Status: The subcommittee reviewed and discussed contribution TR41.9-12-11-008 dealing with the applicability of TIA-968-B registration to ONT interfaces. The subcommittee prepared a draft response that the acting chair will use to respond to the inquiry.

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

- Project TIA-PN-31-D-1 (formerly PN-3-3602-RV4-AD1): TSB-31-D-1 published July 2012.
- Project ANSI/TIA-PN-968-B-1: ANSI/TIA-968-B-1 published June 2012 and adopted by ACTA on August 7, 2012.
- TIA-168-B (Labeling Document) was reviewed. A liaison letter was sent to ACTA asking their assistance in encouraging parties who may feel there is a need for changes to the document to bring them to the attention of TR-41.9. No comments were received. TR-41.9 decided to move forward with reaffirmation. Since it is a "TIA only" standard, reaffirmation was done by unanimous agreement of the voting TR-41.9 members participating in this meeting.

Plenary Action Requested: TR-41.9 requests the concurrence of TR-41 to reaffirm TIA-168-B.

Plenary Action Taken: Unanimous concurrence

- ANSI/TIA-1096-A (Connectors Document): This document is currently up for 5 year review. After review by the subcommittee, it was agreed that a new project needs to be opened to revise the document. A contribution relating to tolerances currently stated in TIA-1096-A was reviewed. The subcommittee agreed with the general content of the contribution and will be asking the submitter to make specific recommendations relating to revisions to the standard and to provide rationale and data supporting the changes. It was also agreed that although the submitter has voiced concerns relating to compliance claims issues, TR-41.9 will only be addressing the technical issues related to the standard.

Plenary Action Requested: TR-41.9 requests the concurrence of TR-41 to open a project to revise ANSI/TIA-1096-A.

Plenary Action Taken: During the discussion on this motion, it was decided that the decision to open a revision project should be delayed until a contribution is received with specific details of what needs to be changed. However, the five year review date is nearly at hand. TIA Staff will confirm if the review date will occur prior to our next meeting. If so, The TR-41 Chair will file a request for an ANSI extension of time to make a decision on whether to revise or reaffirm this standard. The contributor raising this issue (Sentinel Connectors) will be notified of a date certain by which a contribution with specific details needs to be received in order to initiate a revision project. Otherwise the standard will be reaffirmed.

- TIA41.9 members have indicated that they would prefer to meet all day on Tuesday rather than the split Monday/Tuesday schedule we had this time.

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 August Meeting meeting as given in TR41-12-11-009-R2. Most items were noted as having been completed, but the following items still require action (see TR41-YY-MM-009-MR3 for updated list):

Carry-over Item 2: TR-41.3 to send ANSI/TIA-PN-470.110-D out for industry ballot after editorial cleanup.

Carry-over Item 3: TR-41.9 to open a project for a second addendum to TSB-31-D to revise the receive volume control test requirements to include Conversational Gain. Although

publication will need to wait for adoption of ANSI/TIA-4965 by the FCC, a contribution providing the suggested changes to TSB-31-D has been received and the project should now be opened.

Carry-over Item 4: TR-41.3 Chair to inquire with TR-45 Chair about collaborative work to include mobile handsets in future revision of TIA-4953 amplified telephone standard.

Item 6: Tony Jasionowski to draft a letter that will be sent from the TR-41 Chair to TIA leadership asking for more outreach to the accessibility products and advocacy industry to increase awareness of TIA-1083 and TIA-4953 and their associated logos.

Item 8: TR-41 Chair to incorporate the editorial ballot comment resolution proposal from Contribution TR41-12-08-015-L into a draft revision of the TR-41 Operational Guidelines.

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 TR41-13-02-009 for the next meeting.

c. Project Status Review

Chair Steve Whitesell drew attention to the Project Status Spreadsheet (TR41-12-11-008-L). He reviewed the updates he had made since the last meeting.

6. Old Business

None

7. New Business

a. Disposition of ANSI/TIA-912-B

A contribution from Microsemi Corporation to the June TR-41.3 meeting mentioned the need to revise this VoIP gateway document to add support for wideband analog ports. Microsemi has now joined TR-41.3 and expects to pursue this matter, but no specific contribution has been received as yet. Since the 5-year review date for this document was April 2012, TR-41 decided to file a request with ANSI for an extension to decide on disposition of this standard.

b. Disposition of TIA-1003

This wireless LAN VoIP telephony endpoint standard was originally created by TR-41.4, which is now inactive. An email request to former TR-41.4 members for recommendations on disposition of the standard did not result in any responses. After a short discussion, it was decided to reaffirm the document. A motion was so made and unanimously approved.

c. Disposition of TSB-146-A

This TSB dealing with IP telephony support of Emergency Calling Services (E-911) was also originally created by TR-41.4. An email request to former TR-41.4 members for recommendations on disposition of the standard did result in a recommendation to reaffirm the document. After a short discussion, a motion to do so was made and unanimously approved.

d. Disposition of TSB-160

This TSB on IP network synchronization is another document originally created by TR-41.4. An email request to former TR-41.4 members for recommendations on disposition of the standard did not result in any responses. After a short discussion, it was decided to reaffirm the document. A motion was so made and unanimously approved.

8. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of February 11-15, 2013 in Tampa, FL. The preliminary meeting schedule for the various TR-41 subcommittees and working groups is given in Annex C. Negotiations are currently underway with the Embassy Suites Downtown Convention Center but have not been finalized as of this writing.

b. Future Meetings

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

Date	Location
April 29 – May 3, 2013	Minneapolis, MN or Santa Cruz, CA
August 5-9, 2013	Virtual
October 7-11, 2013	Gaylord National, Washington, DC

9. Adjournment

There being no further business, the meeting was adjourned at 10:10 am. This meeting was conducted in accordance with the TIA Legal Guides and the Engineering Manual.

Stephen R Whitesell
Chair, TR-41

Annex A
Document List

<u>Number</u>	<u>Source</u>	<u>Description</u>
TR41-12-11-001-R2	Chair	Agenda
TR41-12-11-002-R1	Chair	Document List
TR41-12-11-003	Chair	Web Conference Meeting Report
TR41-12-11-004-MR1	Chair	Attendance Spreadsheet
TR41-12-11-005-MR1	Bress	TR-41.3 Chair's Report
TR41-12-11-006-MR1	Ivans	TR-41.7 Chair's Report
TR41-12-11-007-MR1	Ivans	TR-41.9 Chair's Report
TR41-12-11-008-L	Chair	Project Status Spreadsheet
TR41-12-11-009-MR3	Chair	Dallas Action Item List

Annex B Action Items

Carry-over Items from Previous Meeting(s)

1. TR-41.3 to send ANSI/TIA-PN-470.110-D out for industry ballot after editorial cleanup before the end of the year. 5-year review dates were April 2009 for base document and April 2012 for Addendum 1.
2. TR-41.9 to open a project for a second addendum to TSB-31-D to revise the receive volume control test requirements to include Conversational Gain. Although publication will need to wait for adoption of ANSI/TIA-4965 by the FCC, a contribution providing the suggested changes to TSB-31-D has been received and the project should now be opened.
3. TR-41.3 Chair to inquire with TR-45 Chair about collaborative work to include mobile handsets in future revision of TIA-4953 amplified telephone standard.
4. Tony Jasionowski to draft a letter that will be sent from the TR-41 Chair to TIA leadership asking for more outreach to the accessibility products and advocacy industry to increase awareness of TIA-1083 and TIA-4953 and their associated logos. The draft letter will be submitted as a contribution to TR-41.3 for review prior to forwarding to TR-41.
5. TR-41 Chair to incorporate the editorial ballot comment resolution proposal from Contribution TR41-12-08-015-L into a draft revision of the TR-41 Operational Guidelines for consideration at the November 2012 meeting.

New Items

1. TR-41.3 to work with TIA Staff to convert the ANSI/TIA-PN-810-C project that was opened for revising TIA-810-B as a single document into projects to create a ANSI/TIA-810-C.000 core document and three sub-documents (.110 for handsets, .120 for speakerphones, and .130 for headsets).
2. TR-41.3 to submit TSB-177-A for publication.
3. TR-41.3 to submit revised title and scope of TR-41.3.5 to TIA Staff for posting on web site.
4. TR-41.3 to open four new projects related to wideband analog interface telephones, one in the ANSI/TIA-470.3XX series dealing with wideband analog telephone feature performance, and three in the ANSI/TIA-470.1XX series dealing with transmission performance of wideband analog telephones with handsets, speakerphones, and headsets.
5. TR-41 Chair to send a liaison message on behalf of TR-41.3 to ETSI STQ informing them of the work on the new wideband analog telephone standard.
6. TR-41.7 to obtain additional information regarding future activities of the UL 62368-1 technical harmonization committee to determine TIA's continuing role with this group.
7. TR-41.7 will work with TIA Staff to request ANSI/TIA-1194 be accepted by the NIST Smart Grid Interoperability Panel (SGIP) for inclusion into their Catalog of Standards.
8. TR-41.9 will send response to inquiry received about applicability of TIA-968 to optical network termination (ONT) devices.
9. TR-41.9 voted to reaffirm TIA-168-B and needs to fill out online form to make that happen.
10. TR-41.9 to notify Sentinel Connectors of its willingness to open a project to revise ANSI/TIA-1096-A to deal with technical issues related to plug and jack dimensions that it has raised subject to receiving a specific recommendation of the exact changes to be made prior to the February 2013 meeting.
11. TIA Staff to determine 5-year review date for ANSI/TIA-1096-A. If it will occur prior to February meeting, the TR-41 Chair will file a request for an ANSI extension of time to make a determination on its disposition.
12. TR-41 Chair will file a request for an ANSI extension of time to make a determination on the disposition of ANSI/TIA-912-B.

13. TR-41 Chair to submit necessary online form for reaffirmation of TIA-1003.
14. TR-41 Chair to submit necessary online form for reaffirmation of TSB-146-A.
15. TR-41 Chair to submit necessary online form for reaffirmation of TSB-160.

Annex C
Tentative TR-41 Meeting Schedule for February 2013 in Tampa

Room			
MONDAY 0830 – 1230 11 Feb 2013	TR-41.3.5 Analog Tel Xmission Perf (Whitesell – 15)		
MONDAY 1330 – 1730 11 Feb 2013	TR-41.3.5 & Analog Tel Xmission Perf (Whitesell – 15)		
MONDAY 1800 – 1930 11 Feb 2013	TR-41 Chair's Meeting (Whitesell – 10)		
TUESDAY 0830 – 1230 12 Feb 2013	TR-41.3.3 Digital Xmission Perf (Woo – 15)	TR-41.7 Environmental & Safety (Ivans – 10)	
TUESDAY 1330 – 1730 12 Feb 2013	TR-41.3.3 Digital Xmission Perf (Woo – 15)	TR-41.7 Environmental & Safety (Ivans – 10)	
TUESDAY 1900 - 2200 12 Feb 2013			
WEDNESDAY 0830 – 1230 13 Feb 2013	TR-41.3.14 Acoustic Accessibility (Bress – 15)	TR-41.9 Regulatory (Vacant – 15)	
WEDNESDAY 1330 – 1730 13 Feb 2013	TR-41.3.14 Acoustic Accessibility (Bress – 15)	TR-41.9 Regulatory (Vacant – 15)	
WEDNESDAY 1900 – 2200 13 Feb 2013			
THURSDAY 0830 – 1230 14 Feb 2013	TR-41.3 Wireline Terminals (Bress – 15)		
THURSDAY 1330 – 1730 14 Feb 2013	TR-41.3 Wireline Terminals (Bress – 15)		
THURSDAY 1900-2200 14 Feb 2013			
FRIDAY 0800 – 1030 15 Feb 2013	TR-41 Closing Plenary User Premises Equipment (Whitesell – 10)		