Approved by General Counsel

TR-41 Meeting Report

Date(s): 08/23/2013 - 08/23/2013

Location: Virtual (conference call, web conference, etc.)

Approved: 09/11/2013

Telecommunications Industry Association
Standards and Technology Department

Engineering Committee TR-41
User Premises Telecommunications Requirements

Meeting Report

Chair: Stephen R. Whitesell   Date: August 23, 2013
Vice-Chair: (Vacant)   Venue: Virtual Web Conference
Secretary: (Vacant)   City: GoToMeeting

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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 1:03 pm, and went over the list of individuals shown as logged into the meeting..

   b. **Roll Call and Quorum**

   Roll call was taken and a quorum was declared with 5 of 6 voting member companies represented.   Since this was the third consecutive meeting at which Littelfuse was not represented, it was removed from the quorum list prior to the determination of quorum.

      1) **Quorum Members or Alternates Present**

      AST – James Bress   Uniden – Al Baum
      Cisco – Tim Lawler   Whitesell Consulting – Steve Whitesell
      Plantronics – Allen Woo

      2) **Quorum Members Absent**

      UL – Randy Ivans

      3) **Others Present**

      Industry Canada – Jason Nixon   TIA Staff – Marianna Kramarikova
      Industry Canada – Magdoly Rondón   TIA Staff – Brian Scarpelli (did not sign in)

   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**

   The agenda was submitted for review and approved without changes except to note that Chair Steve Whitesell would be presenting the TR-41.7 and TR-41.9 Subcommittee Reports in the absence of Randy Ivans.

   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

Chair Steve Whitesell indicated the new scope for TR-41 as proposed in Contribution TR41-13-08-012 had been slightly modified as a result of email discussions and then submitted to the Technical Standards SubCommittee (TSSC) for approval along with the revised TR-41 name. Both were approved by the TSSC at its July 18, 2013 meeting. Both have been updated on the TR-41 web site and are as follows:

<u>TR-41: Performance and Accessibility for Communications Products</u>

Committee TR-41 develops and maintains voluntary standards for the performance and accessibility of communications products. The products addressed by these standards include telephones with handsets, headsets, and speakerphones, communications gateways, and other products that are typically installed at the user's premises. The products may connect to a communications network using digital and analog wireline or radio (e.g., Wi-Fi® or Bluetooth®) media. They may connect directly to the network or through another device (e.g. a USB headset connected through a computer).

TR-41's standards may include performance requirements for voice, video, and other features that are associated with communications services. They cover requirements for a product's performance related to signal transmission, environmental impacts, interfacing to networks and other equipment, accessibility, and usability.

TR-41 addresses issues pertaining to administrative aspects of regulatory product approval processes and develops criteria for preventing harm to the telephone network, which become mandatory when adopted by the Administrative Council for Terminal Attachments (ACTA). TR-41 is a point of contact for expert technical opinions, advice, and actions for standards development for government agencies that deal with communications including the FCC. It also provides input to other organizations that develop and publish product safety standards.

Steve also noted that elections for the Chair and Vice-Chair positions for TR-41 and all of its Subcommittees will be coming up during the November meetings. He encouraged all participants to consider running for one or more of the positions. A formal announcement and call for candidates will be coming out from TIA in the near future.

g. TIA Staff Remarks

Marianna Kramarikova presented the TIA Staff Report as shown in contribution TR41-13-08-010-L. Among the topics she covered were the following:

- Press release announcing TR-41 and TR-45 Name and Scope changes.
- Work on developing a new Engineering Manual that will be split into two parts, one dealing with ANSI essential requirements for standards development, and the other dealing with things not of concern to ANSI (unless they are in the same manual that addresses the ANSI essential requirements).

- Work on cleaning up the Lyris email lists in preparation for them being merged with the TIA membership database.
- Cleanup of TR-41 database membership lists.
- Ballot administration cleanup.
- TIA-4953 logo marketing campaign including participation at the 2013 HLAA convention, an article in TIA's Innovating Standards newsletter, a press release aqnd mass email to a targeted audience, and an video interview with Jim Bress available on TIA NOW.

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 22, 2013. Its TR-41.3.3 Working Group met on Wednesday, August14, and its TR-41.3.5 Working Group met on Friday, August 16 and Monday, August 19.

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

- ANSI/TIA-PN-470.110-D, Transmission Requirements for Narrowband Analog Telephones with Handsets

  Current Status: The ANSI/TIA-PN-470.110-D ballot closed on June 14, 2013 with 7 approve, 1 not approve, and 3 not returned. The ballot comments leading to the no vote and other comments brought up during ballot resolution were resolved. It was agreed to remove the words "shall" and "should" from all test procedures in ANSI/TIA-PN-470.110-D. TR41.3 voted to send ANSI/TIA-PN-470.110-D out for a default ballot after the technical and editorial changes are made by the editor, James Bress (AST).

  Target Completion Date: 11/2013

  Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.110-D for a default ballot after editorial changes are completed.

  Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.112, Transmission Requirements for Wideband Analog Telephones with Handsets

  Current Status: The ANSI/TIA-PN-470.112 default ballot closed closed on July 26 with 7 approve, 1 approve with comment, 3 abstain, and 1 not returned. Discussions during ballot comments review lead to technical changes being made and other comments brought up during ballot resolution were resolved. It was agreed to revise the scope to reflect the concept of "wideband" being 100 Hz to 8000 Hz (the same as described in recent ITU wideband documents) and also state the expected used bandwidth for typcial products. The scope changes will be reflected on all three analog wideband documents and will also be carried into the current TIA-920 revision project. It was also agreed to remove the words "shall" and "should" from all test procedures in ANSI/TIA-PN-470.112. TR41.3 voted to send ANSI/TIA-PN-470.112 out for a default ballot after the technical and editorial changes are made by the editor, Steve Whitesell (Whitesell Consulting LLC).

  Target Completion Date: 09/2013

  Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.112 for a default ballot after editorial changes are completed.

  Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.122, Transmission Requirements for Wideband Analog Telephones with Speakerphones

  Current Status: The ANSI/TIA-PN-470.122 ballot closed on August 9 with 6 approve, 1 approve with comment, 3 abstain, and 2 ballots not returned. Discussions during ballot comments review lead to technical changes being made and other comments brought up during ballot resolution were resolved. It was agreed to remove the words "shall" and "should" from all test procedures in ANSI/TIA-PN-470.122. TR41.3 voted to send ANSI/TIA-PN-470.122 out for a default ballot after the technical and editorial changes are made by the editor, Steve Whitesell (Whitesell Consulting LLC).

  Target Completion Date: 09/2013

  Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.122 for a default ballot after editorial changes are completed.

  Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.132, Transmission Requirements for Wideband Analog Telephones with Headsets

  Current Status: The ANSI/TIA-PN-470.132 ballot closed on July 29 with 6 approve, 2 approve with comment, 3 abstain, and 2 ballots not returned. Discussions during ballot comments review lead to technical changes being made and other comments brought up during ballot resolution were resolved. It was also agreed to remove the words "shall" and "should" from all test procedures in ANSI/TIA-PN-470.132. TR41.3 voted to send ANSI/TIA-PN-470.132 out for a default ballot after the technical and editorial changes are made by the editor, Steve Whitesell (Whitesell Consulting LLC).

  Target Completion Date: 09/2013

  Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.132 for a default ballot after editorial changes are completed.

  Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-470.210-E, Resistance and Impedance Performance Requirements for Analog Telephones

  Current Status: The ANSI/TIA-PN-470.210-E ballot closed on July 29 with 8 approve, 3 abstain, and 1 ballot not returned. Although no comments were received through the TIA ballot process, late ballot comments were submitted by Michel Darveau of Microsemi Corporation. Since they came in while the ANSI comment period was still open, they were treated as any other ballot comments. Discussions during ballot comments review lead to technical changes being made and other comments brought up during ballot resolution were resolved. It was agreed to remove the words "shall" and "should" from all test procedures in ANSI/TIA-PN-470.210-E. TR41.3 voted to send ANSI/TIA-PN-470.210-E out for a default ballot after the technical and editorial changes are made by the editor, Steve Whitesell (Whitesell Consulting LLC).

  Target Completion Date: 09/2013

  Plenary Action Requested: Concurrence to send ANSI/TIA-PN-470.210-E for a default ballot after editorial changes are completed.

  Plenary Action Taken: Unanimous Concurrence

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

  Current Status: Project was opened to revise the alerter acoustic requirements to use the testing method and requirements concepts developed in TIA-4953. Waiting for contributions.

  Target Completion Date: 05/2014

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

  Current Status: Editor (Steve Whitesell, Whitesell Consulting LLC) will create a draft for review at the Nov-2013 meetings. Document will be completed after all TIA-920.xxx-B revision documents are completed.

Target Completion Date: 08/2014

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

  Current Status: The group plans to have the document ready for ballot before the Nov-2013 meeting. Interim virtual WG meetings may be scheduled before the Nov-2013 meeting.

  A consensus was made that 920.xxx-B will not include super-wideband due to there not being an accepted super-wideband transfer function from DRP to ERP, and to not delay the project.

  Target Completion Date: 02/2014

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

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

  Target Completion Date: 05/2014

- ANSI/TIA-PN-920.130-B, Transmission Requirements for Digital Telephones with Headsets

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

  Target Completion Date: 05/2014

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

  Current Status: Project was opened to address several technical and organizational issues identified with the document. Waiting for contributions.

  Target Completion Date: 05/2014

- ANSI/TIA-PN-1083-B, Handset Magnetic Measurement Procedures and Performance Requirements

  Current Status: Project was opened to add wideband requirements. AST stated that they have had their CCL HAC test probes calibrated for wideband with no unexpected issues to report. Waiting for contributions.

  Target Completion Date: 05/2014

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

- Request TIA to discuss/address the issue of timing allowed for ballot comments if a TIA member, or even a standards development project voter, also submits comments separately before the ANSI comment period closes.

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

Subcommittee TR-41.7 met on Tuesday, August 20, 2013. [Steve Whitesell provided a verbal report during the TR-41 meeting, and Randy Ivans provided the following written report following the meeting.]

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: A revised draft (TR41.7-13-02-005-MR1-DRAFT_TIA-571-C_Rev1) was completed last February that incorporates changes to the title and scope and revisions to the surge section of the document. Since then no new contributions have been received even though a few people have expressed interest in updating other parts of the document. TR41.7 is still seeking contributions for additional updates and revisions to this standard.

  The subcommittee decided that if no new contributions are received for the November meeting the current draft will be voted on to go out for ballot.

  Target Completion Date: The original anticipated completion date of November 2013 will not be met. The new expected completion date will be June 2014 which allows for the possibility of having to resolve ballot comments and re-ballot the standard.

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

- There is some question relating to the continued participation of the current chair due to a possible shift in responsibilities. This needs to be considered for the fall elections.

- There was a question relating to the submission process to request TIA-1194 to be considered by the Smart Grid Interoperability Panel (SGIP) for their Catalog of Standards. After the meeting TIA staff confirmed that the forms they had were current and should be used for the submission for review. The chairman had agreed at the meeting that once the correct forms were available he would proceed with the submission process.

- There is still concern about the lack of interest in the TR-41.7 committee by the industry. There are significant changes underway in the international and national safety arena (i.e. IEC 62368 second edition) that should be of interest to the industry. There is also the TIA-571 revision project that is underway and yet there have been no new contributions received.

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

Subcommittee TR-41.9 met on Wednesday, August 21, 2013.

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 final draft of this addendum was completed and has been sent out for TIA ballot.

Target Completion Date: November 2013

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

Current Status: A new FAQ entry relating to dc resistance testing was developed at the last meeting and approved for posting by the plenary. The FAQ document has since been updated and posted. See:

http://www.tiaonline.org/standards_/committees/documents/FAQ_List_20130501.pdf

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

- Out-of-band Tests on Wideband Analog Phones was discussed. At the last meeting IC agreed to perform some additional testing on Wideband Analog Phones to see if real speech signals used as a stimulus for such testing would affect their ability to pass the test. Based on the results it appears that changing the test would not create any problems for currently certified phones. It was also discovered that using an acoustic input (as appropriate for the device under test) is not currently included in TIA-968-B, even though there is a possibility of interference. The subcommittee agreed that it now appears that TIA-968-B needs to be revised and an addendum added to TSB-31-D to include real speech test methods. Next steps will be further discussed at the November meeting of TR-41.9.

  TR-41.9 wants to thank IC very much for their participation and continued valuable contributions to our work.

- The FCC has released a Public Notice for CG Docket No. 13-46 (DA 13-1601) dealing with TIA's petition to adopt the ANSI/TIA-4965 standard on Conversational Gain as the receive volume control measure cited in Part 68. Comments were due August 9 and reply comments are due September 19. Two supportive comments were received. The TIA will need to respond to one related to whether the standard could be used for wireless handsets. (The current test methods do not support testing of wireless handsets at this time.)

- A question was raised about B-Type ringing during ballot comment resolution on the ANSI/TIA-PN-470.210-E analog telephone resistance and impedance performance document in TR-41.3.5 and referred to TR-41.9 for consideration. The ATIS-600401.2006 network interface standard only specifies 20 Hz ringing and is now seven years old. Is there still a need for products to meet the impedance requirements for, and respond to, B-type ringing signals, which cover the frequency range from 16.3 to 68 Hz?

4. **Liaison Reports**

   a. **Request for Formal Liaison with IEEE STIT – Steve Whitesell**

   Contribution TR41-13-08-011 is a letter from Chair Steve Whitesell to our TIA Standards Manager Marianna Kramarikova requesting the TIA Standards and Technology Department to take the necessary steps to establish a formal liaison relationship between TR-41 and IEEE STIT in accordance with clause 3.2.6 of the Engineering manual. The letter further asked Marianna to forward the letter to the appropriate person in the Standards and Technology Department for action.

   The purpose of establishing the formal liaison relationship is to allow the continued close cooperation between the two groups that we have enjoyed on an informal basis for over 30 years. This move becomes necessary in order to make sure participants in each group can continue to review and comment on the standards of the other group while they are under development as TIA tightens its processes. In particular, many of our TR-41 performance standards cite IEEE STIT standards for their measurement procedures.

   In a follow-up conversation with TIA's Associate Vice President of Technology and Standards Herb Congdon, Steve identified four IEEE STIT participants who are actively involved when the two groups hold collocated meetings and whose ability to provide input on our standards is considered critical. Accommodations have since been made for two of them by having them become TIA members. However, the issue remains open for the other two, who happen to be the IEEE STIT Chair and Vice Chair.

   b. **ACTA – Steve Whitesell**

   Contribution TR41-13-08-013 is a TR-41 liaison report to the administrative Council for Terminal Attachments (ACTA) for their July 31, 2013 meeting. It reports on the TR-41 name and scope change, the release of the FCC Public Notice regarding TIA Petition to adopt the ANSI/TIA-4965 Conversational Gain standard into Part 68 as the measure to use for receive volume control, The work on an addendum to add Conversational Gain test procedures to the TSB-31-D Part 68 test guidelines document. It also discusses our intent to invite people from the FCC Disability Rights Office to participate in our November TR-41.3.14 Accessibility working Group meeting and provides a brief summary of the other work going on in TR-41.

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 TR41-13-08-009-MR2. Most items were noted as having been completed, but the following items still require action:

   Carry-over Item 2: 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 February 2013 meeting.

   Carry-over Item 3: 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.

   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 TR41-13-11-009 for the next meeting.

   c. **Project Status Review**

   Chair Steve Whitesell drew attention to the Project Status Spreadsheet (TR41-13-08-008). He indicated there are several documents that need some immediate activity. In particular, there are two ANSI documents that are coming up against the 10-year deadline for completing revision or reaffirmation and another three that are past their 5-year limit for initiating revision or reaffirmation action:

ANSI/TIA-470.110-C	April 2014	10-year
ANSI/TIA-470.220-C	April 2014	10-year

ANSI/TIA-470.130-C	April 2013	5-year
ANSI/TIA-912-B	April 2012	5-year
ANSI/TIA-1063	April 2012	5-year

6. Old Business

Chair Steve Whitesell has not completed his action item to draft a proposal for adding a ballot comment resolution process as adopted by TR-41.3 to the TR-41 Operating Guidelines.

7. New Business

There was a short discussion concerning the future of TR-41.7 and TR-41.9 in light of the coming leadership elections, the lack of a current TR-41.9 official Chair, and the diminished participation in both groups. In particular, there was discussion about whether it would make sense to combine the two groups. There was concerning that doing so might have an adverse effect on a potential chair candidate getting company support if the two groups are combined. The decision was to leave the groups separate for now and see how the November election goes. We will revisit the possiblility of combining the two groups next year.

8. Meeting Schedules

a. Next Meeting

The next meeting will be held the week of November 4-8, 2013 at TIA Headquarters in Arlington, VA. 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 still being worked out.

b. Future Meetings

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

Date	Location
February 10-14, 2013	Dallas / Ft Worth Area
May 5-9, 2014	Ottawa ??
August 18-22, 2014	Virtual
November 10-14-2014	

9. Adjournment

There being no further business, the meeting was adjourned at 3:05 pm. 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

Number	Source	Description
TR41-13-08-001	Chair	Agenda
TR41-13-08-002-MR2	Chair	Document List
TR41-13-08-003	Chair	Santa Cruz Meeting Report
TR41-13-08-004-MR1	Chair	Attendance Spreadsheet
TR41-13-08-005-MR1	Bress	TR-41.3 Chair's Report
TR41-13-08-006-M	Ivans	TR-41.7 Chair's Report
TR41-13-08-007-M	AdHoc Chair	TR-41.9 Chair's Report
TR41-13-08-008-L	Chair	Project Status Spreadsheet
TR41-13-08-009-MR2	Chair	Santa Cruz Action Item List
TR41-13-08-010-L	Kramarikova	TIA Staff Report
TR41-13-08-011	Chair	Request for Formal Liaison with IEEE STIT
TR41-13-08-012	Bress	Proposed New Scope for TR-41
TR41-13-08-013	Chair	TR-41 Liaison to ACTA for 20130731 Meeting

Annex B
Action Items

Carry-over Items from Previous Meeting(s)

1. 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.
2. 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. SGIP is no longer under NIST. Cataloging process has changed. TIA trying to find out what new process is for making submissions.

New Items

1. TR-41 Chair to remind TIA Staff to send out Call for Candidates for November elections.
2. TR-41.3 to submit ANSI/TIA-PN-470.110-D for default ballot.
3. TR-41.3 to submit ANSI/TIA-PN-470.112 for default ballot.
4. TR-41.3 to submit ANSI/TIA-PN-470.122 for default ballot.
5. TR-41.3 to submit ANSI/TIA-PN-470.132 for default ballot.
6. TR-41.3 to submit ANSI/TIA-PN-470.210-E for default ballot.
7. TIA Staff to discuss/address the issue of timing allowed for ballot comments if a TIA member, or even a standards development project voter, also submits comments separately before the ANSI comment period closes.
8. TR-41.7 reminds participants that contributions are needed for ANSI/TIA-PN-571-C. If no contributions are received for the November meeting, the February 2013 draft (TR41.7-13-02-005-MR1) will be voted on to go out for ballot.
9. TR-41 Chair to follow up with Standards and Technology Department on status of request to establish formal liaison between TR-41 and IEEE STIT.
10. TR-41.3 to complete revision or reaffirmation of ANSI/TIA-470.110-C by April 2014.
11. TR-41.3 to complete revision or reaffirmation of ANSI/TIA-470.220-C by April 2014.
12. TR-41.3 to check on whether an extension of time request has been filed for revising or reaffirming ANSI/TIA-470.130-C and file such a request if necessary.
13. TR-41.3 to check on whether an extension of time request has been filed for revising or reaffirming ANSI/TIA-912-B and file such a request if necessary.
14. TR-41.3 to check on whether an extension of time request has been filed for revising or reaffirming ANSI/TIA-1063 and file such a request if necessary.
15. TR-41 Chair to pursue finalization of hotel arrangements for November meeting.

Annex C
Tentative TR-41 Meeting Schedule for November 2013 in Arlington, VA

Room			
MONDAY **0830 – 1230** **4 Nov 2013**	**TR-41.3.5** **Analog Tel Xmission Perf** **(Whitesell – 15)**		
MONDAY **1330 – 1730** **4 Nov 2013**	**TR-41.3.5** **Analog Tel Xmission Perf** **(Whitesell – 15)**		
MONDAY **1800 – 1930** **4 Nov 2013**	**TR-41 Chair's Meeting** **(Whitesell – 10)**		
TUESDAY **0830 – 1230** **5 Nov 2013**	**TR-41.3.3** **Digital Xmission Perf** **(Woo – 15)**	**TR-41.7** **Environmental & Safety** **(Ivans – 10)**	
TUESDAY **1330 – 1730** **5 Nov 2013**	**TR-41.3.3** **Digital Xmission Perf** **(Woo – 15)**	**TR-41.7** **Environmental & Safety** **(Ivans – 10)**	
TUESDAY **1900 - 2200** **5 Nov 2013**			
WEDNESDAY **0830 – 1230** **6 Nov 2013**	**TR-41.3.14** **Acoustic Accessibility** **(Bress – 15)**	**TR-41.9** **Regulatory** **(Vacant – 15)**	
WEDNESDAY **1330 – 1730** **6 Nov 2013**	**TR-41.3.14/FCC DRO** **Acoustic Accessibility** **(Bress – 25)**	**TR-41.9** **Regulatory** **(Vacant – 15)**	
WEDNESDAY **1900 – 2200** **6 Nov 2013**			
THURSDAY **0830 – 1230** **7 Nov 2013**	**TR-41.3** **Wireline Terminals** **(Bress – 15)**		
THURSDAY **1330 – 1730** **7 Nov 2013**	**TR-41.3** **Wireline Terminals** **(Bress – 15)**		
THURSDAY **1900-2200** **7 Nov 2013**			
FRIDAY **0800 – 1030** **8 Nov 2013**	**TR-41 Closing Plenary** **User Premises Equipment** **(Whitesell – 10)**		