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Approved by General Counsel

TR-41 Meeting Report

Date(s): 02/27/2012 - 03/02/2012

Location: San Antonio, TX

Approved: 03/09/2012

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: March 2, 2012
Venue: Embassy Suites Riverwalk
City: San Antonio, TX

1. Call to Order and Opening Business

a. Call to Order and Introductions

Chair Steve Whitesell called the meeting to order at 8:10 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. Since this was the third consecutive meeting at which VTech 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

Cisco – Tim Lawler

Plantronics – Allen Woo

UL – Randy Ivans

Uniden – Al Baum

Whitesell Consulting – Steve Whitesell

2) Quorum Members Absent

Littelfuse – Phillip Havens

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

The previously posted agenda was submitted for review with the following additions noted:

- TIA Staff Remarks by Marianna Kramarikova was added as Item 1.g
- the document number for reviewing action items from the previous meeting was updated to revision R3 under Item 5.a
- Future Directions for TR-41 with reference to document TR41-12-03-010-M was added as New Business Item 6.a.

The revised TIA agenda (TR41-12-03-001-R1) was then approved by unanimous consent.

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 officially welcomed Marianna Kramarikova to her first TR-41 Plenary meeting as our committee's TIA Standards Manager. He indicated he had enjoyed working remotely with her for the past three months or so, but was glad to have the opportunity to finally meet her in person this week and looked forward to continuing to work with her in the future.

Steve noted that the Chairs meeting on Monday evening had been primarily devoted to a discussion of the Future direction for TR-41. A number of individuals who had indicated an interest in this topic during the TR-41.3.3 meeting on Monday had been invited to participate in the meeting. There was another discussion on the subject during the TR-41.3 meeting on Thursday. Steve indicated he had asked James Bress to lead the discussion of the topic under New Business Item 6.a.

As is customary, Steve then asked for feedback about meeting venue, both the city and the hotel. All responses were positive, with particular notation being made about how it was easy to walk to things like restaurants.

g. TIA Staff Remarks

Marianna Kramarikova expressed her pleasure at being the new Standards Manager for TR-41 (she is also responsible for TR-8, TR-14, and TR-42) and indicated she had enjoyed meeting all of the participants during the week. She indicated she looked forward to working with us on the new directions project.

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, March 1, 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.

- PN-3-4350.110-RV4, Handset Acoustic Performance Requirements for Analog Telephones (to become TIA-470.110-D)

Current Status: TR-41.3 approved sending TIA-PN-470.110-D draft out for Industry Ballot after editorial cleanup at the November 2011 meeting, but that has not happened yet. The

editor (James Bress, AST Technology Labs) agreed to have the draft document out for ballot in time for the ballot to close before the June 2012 TR41.3 meetings in Dallas.

Target Completion Date: 06/2012

- PN-3-4350.330-RV3, Telephone Answering Devices (to become TIA-470.330-C)
Current Status: ANSI/TIA-470.330-C has been sent to TIA to be published.
This project is completed. There should be much rejoicing!
- PN-3-4705.110-RV1-E1, Transmission Requirements for Wideband Digital Wireline Telephones with Handset (Errata for TIA-920.110-A)
Current Status: The TIA-920.110-A errata has been submitted to TIA and TIA has submitted the document to IHS to be included with the TIA-920.110-A document.
This project is completed.
- PN-3-4705.120-RV1, Transmission Requirements for Wideband Digital Wireline Speakerphones (to become TIA-920.120-A)
Current Status: TR41.3 approved sending TIA-920.120-A out for committee ballot after editorial cleanup at the November-2011 meeting. There were technical problems found with the draft document and significant work was needed to get the document ready for ballot so the ballot was not sent out.
TR41.3.3 met for two days (Mon and Tue) and reviewed the entire TIA-920.120-A draft and several editorial and technical changes were made. Significant work was completed on the new subjective tests added in a document annex.
The new editor (Glenn Hess, Harman) agreed to finish the editorial changes and submit the draft to the TR41.3 chair to be sent out for committee ballot. It is the intention to have this ballot sent out in time to have an interim TR41.3 meeting to review the ballot and vote to go to publication or another ballot if necessary.
TR41.3 approved sending the TIA-920.120-A draft out for committee re-ballot. TR41.3 approved having an interim meeting for ballot resolution.
Target Completion Date: 06/2012
Plenary Action Requested: TR-41.3 requests concurrence from TR-41 to send PN-3-4705.120-RV1 (to become TIA-920.120-A) to TIA for committee re-ballot after editorial cleanup.
Plenary Action Taken: Unanimous concurrence
- PN-3-4705.130-RV1-AD1, Transmission Requirements for Wideband Digital Wireline Telephones with Headsets, Addendum 1 (to become TIA-920.130-A-1)
Current Status: It was discovered that the normalized RLR value for TCLw measurement for binaural headsets was not included in the recently published TIA-920.130-A standard. A project was opened after the May 2011 meeting to develop an amendment to address this issue and Allen Woo (Plantronics) agreed to develop the draft document.
Allen Woo submitted a draft of the amendment as a submission to the November 2011 TR-41.3.3 meeting. The WG reviewed the submission and agreed to submit it to TR41.3 for approval to send it to committee ballot after editorial cleanup. TR-41.3 approved sending TIA-PN-920.130-A-1-draft to TIA for committee ballot at the November 2011 meeting.
There were no technical problems found with the draft document but significant editorial work was needed to get the document ready for ballot so the ballot was not sent out. The working group chair, Allen Woo (Plantronics), agreed to send the completed draft out for committee ballot in time for the ballot to close before the June 2012 TR41.3 meeting.
Target Completion Date: 06/2012
- ANSI/TIA-PN-470.230-C-RF1, Network Signaling Performance requirements for Analog Telephones (Reaffirmation of ANSI/TIA-470.230-C)
Current Status: A project for ballot ANSI/TIA-PN-470.230-C-R1-RF1 was opened on 9-30-11. The ballot opened on 10-27-11 and closed on 12-11-11.

The ballot did not pass due to a non-majority of votes received. An attempt will be made to address this administratively with TIA to determine if some votes may not have been counted or if the voting pool can be reduced.

TR41.3 approved a new ballot if necessary. TR41.3 provisionally approved reaffirmation of the standard if the reaffirmation ballot passes without technical changes or if no comments are received. The TR41.3 chair, James Bress (AST Technology Labs) will take action on these issues.

Target Completion Date: 05/2012

Plenary Action Requested: TR-41.3 requests concurrence from TR-41 to send ANSI/TIA-PN-470.230-C-R1-RF1 to TIA for reaffirmation ballot if necessary and to approve the document for reaffirmation if the ballot passes with no technical changes or no comments received.

Plenary Action Taken: Unanimous concurrence

- ANSI/TIA-PN-470.320-C-RF1, Cordless Telephone Operation and Feature Performance Requirements (Reaffirmation of ANSI/TIA-470.320-C)

Current Status: A project for ballot ANSI/TIA-PN-470.320-C-RF1 was opened on 9-30-11. The ballot opened on 10-27-11 and closed on 12-11-11.

The ballot did not pass due to a non-majority of votes received. An attempt will be made to address this administratively with TIA to determine if some votes may not have been counted or if the voting pool can be reduced.

TR41.3 approved a new ballot if necessary. TR41.3 provisionally approved reaffirmation of the standard if the reaffirmation ballot passes without technical changes or if no comments are received. The TR41.3 chair, James Bress (AST Technology Labs) will take action on these issues.

Target Completion Date: 05/2012

Plenary Action Requested: TR-41.3 requests concurrence from TR-41 to send ANSI/TIA-PN-470.320-C-RF1 to TIA for reaffirmation ballot if necessary and to approve the document for reaffirmation if the ballot passes with no technical changes or no comments received.

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: During the August meeting, TR-41.3 voted to approve opening a project to revise ANSI/TIA-1063-2007. The new scope and justification information required to open this project is currently being drafted and the new revision project will be opened when this information is available.

Target Completion Date: 06/2012

- ANSI/TIA-PN-4953, Acoustic Performance Requirements and Measurement Methods for High-Gain Amplified Telephones (to become ANSI/TIA-4953)

Current Status: The document was submitted for a re-ballot that opened on 12/16/2011 and closed on 1/30/2012. The results were as follows: 8 Approve, 2 Approve with Comments, 1 Not Approve, 2 Abstain, and 4 Ballots Not Returned.

The working group reviewed the ballot comments and edited the document. All edits were deemed editorial changes only. The reasons for the not approve vote from Plantronics were resolved and Allen Woo from Plantronics agreed to change the vote to "approve".

AST Technology Labs plans to provide contributions to propose revising TIA-4953 to include digital interface telephones, telephones without tone control, and possibly mobile telephones.

TR41.3 voted to send ANSI/TIA-PN-4953 out for publication after editorial clean-up. TR41.3.14 chair/editor (James Bress, AST Technology Labs) will complete editorial cleanup and send the document to TIA for publication.

Target Completion Date: 03/2012

Plenary Action Requested: TR-41.3 requests concurrence to send ANSI/TIA-PN-4953 to publication after editorial clean-up.

Plenary Action Taken: Unanimous Concurrence

- ANSI/TIA-PN-4965, Receive Volume Control Requirements for Digital and Analog Wireline Terminals (to become ANSI/TIA-4965)

Current Status: The ballot opened 1/25/2012 and will close on 3/10/2012. The intent is to propose adoption of this standard by both the FCC and IC to replace their existing regulatory volume control requirements.

Target Completion Date: 06/2012

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

- The subcommittee discussed and approved starting a special task group to meet at regular intervals including via teleconference to develop a TR41.3 “new projects document”.

There was an approximately two hour discussion and brainstorming session during the TR41.3 meeting with the initial ideas and concepts documented. TR41.3 requests the TR41 committee to discuss this project and consider starting a working group or task group, and possibly a new TIA project to work on completing the first phase of the project. The first phase of the project was decided to be a questionnaire that may be used by TIA to attempt to obtain information regarding the need for new standards.

Further discussion of this proposal has been scheduled for discussion under new business.

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

Subcommittee TR-41.7 met on Thursday, March 1, 2012. Its TR41.7.1 and TR-41.7.6 Working Groups did not meet.

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

- PN-3-0339, Ethernet First Mile Overvoltage Tests

Current Status: The main driving force behind this work was Philip Havens who has not been attending TR41 meetings the last few cycles. The scope of his original work has since been expanded to include Ethernet on the network side of the demarcation point including cell sites, the central office environment and remote equipment on the network. Phil has proposed (by submitting a contribution to them) that this be handled by the ATIS committee STEP-NEP as that committee has more expertise in the network environment.

Since we do not expect any more contributions related to this item, we are planning to close this project. TR41.7 will track the NEP work and provide feedback as may be needed.

Target Completion Date: 03/2012

Plenary Action Requested: TR41.7 requests concurrence to close project PN-3-0339.

Plenary Action Taken: Unanimous Concurrence

- SP-3-0402, Surge Resistibility of Smart Grid Equipment Connected to either DC or 120/240 V Single Phase AC and Metallic Communication Lines (published as TIA-1194)

Current Status: Published November 2011

Target Completion Date: Project completed. We will be closing this project.

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

- TIA-571-B is up for 5 year review in 2012. TR41.7 is planning on opening this document for review and revision. Some items that need consideration are:
 - Scope – does it cover all we want? Is it current with products that are out there?
 - Vibration tests – the rest of the world had pretty much gone over to random vibration as a replacement to sinusoidal vibration tests.
 - Surge tests – We should consider TIA 1194 as well as a complete review of this section to make sure the standard reflects the latest technologies, installations and adequately addresses the real surge environment for various types of equipment.
 - Different testing paths? (e.g. consumer / enterprise, portable/installed equipment, etc.)

A motion to open a project to review and revise TIA-571-B was made, seconded and approved.

Plenary Action Requested: TR41.7 asks concurrence to open a project for the review and revision of TIA-571-B.

Plenary Action Taken: Unanimous Concurrence

- UL62368-1 (Hazard Based Standard for AV, IT and Communications Equipment) was published February 17, 2012. It includes requirements for centralized dc power systems (Annex DVD), Overvoltage/Power Cross (Annex DVI) and the latest acoustic limit requirements developed by the TR41.7 subcommittee (Annex DVJ).
- UL60950-1 2nd edition, Amendment 1 was published December 19, 2011. It includes the latest acoustic limit requirements developed by the TR41.7 subcommittee (Annex NAD).
- The 2014 NEC code cycle is in full swing. The Report on Proposals (ROP) code panel meetings were held in January 2011. Almost 300 proposals were reviewed by Panel 16 that is responsible for Chapter 8 dealing with communications. The report will be publically available in July. Public comments on the panel actions in the ROP are due by October 17, 2012 and will be considered by the panels at the December code making panel meetings (report on comment (ROC) meetings).

c. TR-41.9 – Terminal Attachment Programs – Randy Ivans as Ad Hoc Chair

Subcommittee TR-41.9 met on Wednesday, February 29, 2012. Its 41.9.1 Working Group met on Tuesday.

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

- PN-3-0016-RV2-AD1, Technical Criteria for Terminal Equipment to Prevent Harm to the Telephone Network (ANSI/TIA-968-B Addendum 1)

Current Status: As approved at the last meeting, the document was sent out for ballot with a closing date of February 11, 2012. Voting results were 10 approved, 2 absentions and 3 ballots not returned. No comments were received. As a result, a motion was made to send this document for publication and forward the completed standard to ACTA. The motion was approved with no negative votes and no abstentions.

Target Completion Date: 03/2012

Plenary Action Requested: TR41.9 requests concurrence to send this completed TIA-968-B-1 addendum for publication and forward the completed addendum to ACTA.

Plenary Action Taken: Unanimous Concurrence

- PN-3-3602-RV4-AD1, Rationale and Measurement Guidelines for U.S. Network Protection (TSB-31-D Addendum 1)

Current Status: Two contributions were discussed and revised and it was agreed to include the revised text and drawings into TSB-31-D as an addendum. A motion was made to add the content of these two revised documents to TSB-31-D, to become TSB-31-D-1 and to send the document out for ballot. Futhermore, the editor will provide a new drawing and reformat the text as needed and he will post the final document for the subcommittee to look at 1 week prior to sending it out for ballot. The motion was approved with no negative votes and no abstentions.

Plenary Action Requested: TR41.9 requests concurrence to send the document as revised by the editor to include the revisions approved at the TR41.9 meeting out for ballot after a 1 week review of the revisions by the subcommittee.

Plenary Action Taken: Unanimous Concurrence

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

Current Status: Tim Lawler (Cisco) and Trone Bishop (Verizon) submitted proposed changes to the FAQ document for consideration at this meeting. The subcommittee agreed on the technical changes discussed in TR41.9.1 as recorded in "TR41.9-12-02-006-MR1-FAQ with TTB revisions 1-11-2012". A motion was made that after a final editorial and subcommittee

review (spell check, formatting, etc.), TR41.9 will post the final document on the TIA website. The motion was approved with no negative votes and no abstentions.

Plenary Action Requested: TR41.9 requests concurrence to post the final FAQ document on the TIA website after a final editorial review by the editor and subcommittee.

Plenary Action Taken: Unanimous Concurrence

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

- ROLR and TIA-4965 Volume Control – Conversational Gain were discussed, specifically regarding what are the next steps for getting the FCC to adopt this new standard. UPED is to meet with Karen Peltz-Strauss, who is a longtime advocate for people with hearing disabilities and now Deputy Chief of the Consumer and Governmental Affairs Bureau that houses the Disability Rights Office. TR41.9 would prefer for the FCC to reference in their rules to use requirements adopted by ACTA with respect to this. As an alternative, it would be acceptable for the FCC to reference the latest version in their rules as long as there are provisions included that updates to reference later versions can be made without a rulemaking. The TIA will need to make clear their position on grandfathering and effective dates. TR41.9 would prefer that the new standard can be used immediately with the option to use the current requirements for 18 months. Previously registered equipment would be grandfathered and not require resubmittal/retesting under the new standard. At the meeting, Industry Canada indicated that they would not require previously certified equipment to be resubmitted or retested.
- It has come to the attention of the TR-41.9 Subcommittee that connector data sheets provided by a number of modular plug and jack manufacturers incorrectly reference compliance with Part 68, Subpart F of the FCC rules (which no longer exists) instead of ANSI/TIA-1096-A.

A motion was made to send a liaison letter to ACTA regarding updating connector data sheets, requesting their assistance in informing manufacturers of the correct requirements. See TR41.9-12-02-009-MR1-TextForLiaisonLettersToACTA. The motion was approved with no negative votes and no abstentions.

Plenary Action Requested: TR41.9 requests concurrence to send a liaison letter to ACTA regarding updating connector data sheets, requesting their assistance in informing manufacturers of the correct requirements.

Plenary Action Taken: Unanimous Concurrence

- TIA-1096-A (Connectors Document) and TIA-168B (Labeling Document) need to be reviewed (5 year review). The subcommittee was asked to review the standards for the June meeting and submit contributions for needed changes, if any. If we do not receive any contributions for changes TR41.9 will move forward with reaffirmation of the documents. Projects will be opened at that time with the type of project depending on whether the document needs to be opened for revision or will be reaffirmed.

Motions were made for TR41 to send a liaison letter to ACTA on these standards coming up for revision, requesting ACTA's assistance in encouraging parties who may feel there is a need to make changes to either document to bring their issues to our attention. See TR41.9-12-02-009-MR1-TextForLiaisonLettersToACTA. The motions were approved with no negative votes and no abstentions.

Another motion was made that a similar letter be sent to TR42 indicating that TIA-1096-A is up for review. See TR41.9-12-02-009-MR1-TextForLiaisonLettersToACTA, 3rd paragraph.

Plenary Action Requested: TR1.9 requests concurrence to send liaison letters to ACTA and TR42 concerning the opening of TIA-1096-A and TIA-168B for review, requesting ACTA's and TR42's assistance in encouraging parties who may feel there is a need to make changes to the documents to bring their issues to our attention.

Plenary Action Taken: Unanimous Concurrence

4. Liaison Reports

There were no liaison reports.

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 meeting as given in TR41-12-03-009-R3. Most items were noted as having been completed, but the following items still require action (see TR41-12-03-009-MR4 for updated list):

Carry-over Item 1, for TR-41.3 to initiate a project to revise TIA-1063 remains open.

Carry-over Item 2, for TR-41.9 to follow up with TIA Staff about the number of “hits” being received for the link to the FAQ remains open. Marianna Kramarikova will look into providing this info.

Item 1, for TR-41.3 to send ANSI/TIA-PN-470.110-D out for industry ballot remains open.

Item 4, for TR-41.3 to send TIA-PN-920.120-A out for committee re-ballot was not completed. Considerable additional revision of the document was made in this meeting and it will now be sent out.

Item 5, for TR-41.3 to send TIA-PN-920.130-A-1 out for committee ballot remains open.

Item 12, for TR-41.9 to hold an interim meeting for the purpose of sending a draft addendum correcting known errors in TSB-31-D out for committee ballot was not completed. The work was completed at this meeting, and the document will now go out for ballot.

Item 13, for TR-41.9 to initiate a project for creating a second addendum to TSB-31-D covering Conversational Gain test procedures for receive volume control remains open. It is waiting for completion of ANSI/TIA-PN-4965, which will specify the Conversational Gain requirements.

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 TR41-12-06-009 for the next meeting.

c. Project Status Review

Chair Steve Whitesell drew attention to the Project Status Spreadsheet (TR41-12-03-008). Steve indicated he is updating this spreadsheet based on information taken from the Subcommittee Chairs' reports, but he asked them to review the latest version and to let him know if there were any errors or corrections needed.

6. Old Business

There was no other old business.

7. New Business

Chair Steve Whitesell introduced the topic of Future Directions for TR-41 by noting that a conference call with TR-41 members had been initiated by Brian Scarpelli and Mark Uncapher of TIA about the possibility of trademarking “HD Voice” as a branding effort for relevant TR-41 work. While many on the call questioned the viability of such an effort, it did lead to a discussion about future directions for TR-41 and how we could create standards that would truly qualify a product as “good”. It was pointed out that many of our standards are necessary, but not sufficient for doing so. As examples, our voice transmission standards generally cover things like frequency response, loudness, and noise but do not get into topics such as voice switching, echo control, and even more fundamental subjects such as appropriate step sizes for volume controls.

Steve indicated the thought is to create a TR-41 Task Group to address this issue and then turned the discussion over to Jim Bress, who presented contribution TR41-12-03-010-M summarizing a two-hour brainstorming session that had been held during the TR-41.3 meeting on the subject. Jim first discussed the goals of the effort (more members, more relevant standards, and industry recognition for TIA; better products, more sales, information on important performance parameters to facilitate discussions between retail channel / institutional buyers and sales staff for TIA member companies). He noted the initial task for the group should be to define the scope of products covered and then develop a questionnaire that TIA could use to approach a defined audience to assess their needs.

Jim indicated members of the task group should plan on participating in one on-line meeting per month lasting approximately 1.5 hours and that a two-page max questionnaire should be produced by the time of the June TR-41 meeting to be held in conjunction with the TIA 2012 trade show. In addition to Jim Bress (AST Technology Labs), Allen Woo (Plantronics), Robert Aichner (Microsoft), Steve Whitesell (Whitesell Consulting), and Tim Lawler (Cisco) had indicated their interest in being members of the task group during the TR-41.3 discussion. Randy Ivans (UL) and Marianna Kramarikova (TIA) also indicated they wished to participate.

James Bress then moved for creation of a TR-41 Future Directions Task Group to develop a questionnaire as outlined in TR41-12-03-010-M. Rand Ivans seconded the motion. There was no further discussion. The motion passed by unanimous consent. Steve Whitesell asked Jim Bress if he would be willing to serve as Chair of the Task Group. Jim agreed. He indicated he would take on the task of creating a first draft of questions as outlined in TR41-12-03-010-M and make arrangements for the initial online meeting to be held in approximately two weeks.

8. Meeting Schedules

a. Next Meeting

The next TR-41 meeting will be held the week of June 4-8, 2012 in conjunction with TIA 2012 at the Gaylord Texan in Grapevine (Dallas), TX. The preliminary meeting schedule for the various TR-41 subcommittees and working groups is given in Annex C. The IEEE Subcommittee on Telephone Instrument Testing (STIT) will be collocating with us for this meeting. The details for the meeting hotel are as follows:

Gaylord Texan Hotel
 1501 Gaylord Trail
 Grapevine, TX 76051-1945
 Phone: 817 778 2000
 Room Rate: (Not yet available)
 Cutoff date: (Not yet available)

b. Future Meetings

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

| Date | Location |
|--------------------|-----------------|
| August 6-17, 2012 | Virtual |
| November 5-9, 2012 | Las Vegas, NV |

9. Adjournment

There being no further business, the meeting was adjourned at 10:45 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> |
|--------------------|---------------|---|
| TR41-12-03-001-MR1 | Chair | Agenda |
| TR41-12-03-002-R1 | Chair | Document List |
| TR41-12-03-003 | Chair | Anaheim Meeting Report |
| TR41-12-03-004-MR1 | Chair | Attendance Spreadsheet |
| TR41-12-03-005-MR1 | Bress | TR-41.3 Chair's Report |
| TR41-12-03-006-MR1 | Ivans | TR-41.7 Chair's Report |
| TR41-12-03-007-MR1 | Ivans | TR-41.9 Chair's Report |
| TR41-12-03-008 | Chair | Project Status Spreadsheet |
| TR41-12-03-009-MR4 | Chair | Anaheim Action Item List |
| TR41-12-03-010-M | TR-41.3 | New Project for TR-41 Brainstorming Session Notes |
| TR41-12-03-011-M | TR-41.9.1 | Text for Liaison Letters to ACTA |

Annex B Action Items

Carry-over Items from Previous Meeting(s)

1. TR-41.3 to open a project to revise TIA-1063 on analog port requirements for packet-based terminal adapters.
2. TR-41.9 to follow up with TIA Staff about the number of "hits" being received for the link on the TR-41 web page to the TR-41.9 FCC FAQ list. Marianna Kramarikova is looking into this.
3. TR-41.3 to send ANSI/TIA-PN-470.110-D out for industry ballot after editorial cleanup in time for ballot to close before June meeting.
4. TR-41.3 to send PN-3-4705.120-RV1 (to become TIA-920.120-A) out for committee re-ballot. Considerable additional revision of the document was made in the February TR-41.3.3 meeting and it will now be sent out in time to allow for interim meeting prior to June to resolve ballot comments and vote document to publication or another ballot if necessary.
5. TR-41.3 to send TIA-PN-920.130-A-1 draft addendum out for committee letter ballot in time to close before June meeting.
6. TR-41.9 was to hold an interim meeting in January to review the draft addendum correcting known errors in TSB-31-D, provided contributions were received in a timely manner, with the intent of voting the draft addendum out for committee letter ballot. The work was completed at the February meeting, and the document will now go out for ballot.
7. 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. Waiting for completion of ANSI/TIA-PN-4965 and its adoption by the FCC.

New Items from November 2011 Meeting

1. Since the ballot to reaffirm ANSI/TIA-470.230-C did not receive a sufficient number of responses, TIA staff will attempt to determine if there was a process error in notifying ballot pool members. If not, TR-41.3 will resubmit the document for reaffirmation ballot. If the reaffirmation ballot passes without requiring technical changes, or if no comments are received, TR-41.3 will also submit the document for "publication" as a reaffirmed standard.
2. Since the ballot to reaffirm ANSI/TIA-470.320-C did not receive a sufficient number of responses, TIA staff will attempt to determine if there was a process error in notifying ballot pool members. If not, TR-41.3 will resubmit the document for reaffirmation ballot. If the reaffirmation ballot passes without requiring technical changes, or if no comments are received, TR-41.3 will also submit the document for "publication" as a reaffirmed standard.
3. Allen Woo to submit "blue card" changing Plantronics vote on ANSI/TIA-4953 to Approve as a result of editorial restructuring of the document.
4. TR-41.3 to submit ANSI/TIA-4953 for publication after editorial cleanup and receipt of "blue card" changing Plantronics vote.
5. TR-41.7 to close PN-3-0339 project on Ethernet First Mile Overvoltage Tests.
6. TR-41.7 to open a project to review and revise ANSI/TIA-571-B environmental considerations standard.
7. TR-41.9 to submit ANSI/TIA-968-B-1 addendum for publication and forwarding to ACTA for adoption.
8. TR-41.9 to submit TIA-PN-31-D-1 (TSB-31-D-1) addendum for committee ballot after editorial cleanup by editor Steve Whitesell and one-week review by the subcommittee.
9. TR-41.9 to post revised Part 68 FAQ list on TIA web site after final editorial review of document by editor Trone Bishop and subcommittee members.

10. At the request of TR-41.9, TR-41 Chair to send liaison letter to ACTA concerning improper references to FCC Part 68, Subpart F in product data sheets of some plug and jack manufacturers.
11. At the request of TR-41.9, TR-41 Chair to send liaison letter to ACTA concerning five year review of TIA-168-B and ANSI/TIA-1096-A due in early 2013.
12. At the request of TR-41.9, TR-41 Chair to send liaison letter to TR-42 concerning five year review of ANSI/TIA-1096-A due in early 2013.
13. Subcommittee Chairs to review information in Project Status Spreadsheet (TR41-12-03-008) and inform TR-41 Chair if a need for any changes is found.
14. TR-41 Future Directions Task Group Chair James Bress to prepare initial draft of questionnaire and schedule first online meeting of task group approximately two weeks after March 2, 2012.
15. TR-41 Future Directions Task Group Chair James Bress to schedule additional monthly online meetings to complete work on questionnaire prior to June meeting at TIA 2012 trade show.

Annex C
Tentative TR-41 Meeting Schedule for June 2012 in Dallas, TX

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| MONDAY 0830 – 1230 04 June 2012 | TR-41.3.3 & IEEE STIT Digital Xmission Perf (Woo, Bareham – 15) | | |
| MONDAY 1330 – 1730 04 June 2012 | TR-41.3.3 Digital Xmission Perf (Woo – 15) | IEEE STIT Telephone Testing (Bareham – 10) | |
| MONDAY 1800 – 1930 04 June 2012 | TR-41 Opening Plenary User Premises Equipment (Whitesell – 10) | | |
| TUESDAY 0830 – 1230 05 June 2012 | TR-41.3.3 & IEEE STIT Digital Xmission Perf (Woo, Bareham – 15) | TR-41.9 Regulatory (Vacant – 15) | |
| TUESDAY 1330 – 1730 05 June 2012 | TR-41.3.3 Digital Xmission Perf (Woo – 15) | TR-41.9 Regulatory (Vacant – 15) | IEEE STIT Telephone Testing (Bareham – 10) |
| TUESDAY 1900 - 2200 05 June 2012 | | | |
| WEDNESDAY 0830 – 1230 06 June 2012 | TR-41.3.14 & IEEE STIT Acoustic Accessibility (Bress, Bareham – 15) | TR-41.9 Regulatory (Vacant – 15) | |
| WEDNESDAY 1330 – 1730 06 June 2012 | TR-41.3.14 Acoustic Accessibility (Bress – 15) | IEEE STIT Telephone Testing (Bareham – 10) | |
| WEDNESDAY 1900 – 2200 06 June 2012 | | | |
| THURSDAY 0830 – 1230 07 June 2012 | TR-41.3 Wireline Terminals (Bress – 15) | TR-41.7 Environmental & Safety (Ivans – 10) | IEEE STIT Telephone Testing (Bareham – 10) |
| THURSDAY 1330 – 1730 07 June 2012 | TR-41.3 Wireline Terminals (Bress – 15) | TR-41.7 Environmental & Safety (Ivans – 10) | IEEE STIT Telephone Testing (Bareham -10) |
| THURSDAY 1900-2200 07 June 2012 | | | |
| FRIDAY 0800 – 1030 08 June 2012 | TR-41 Closing Plenary User Premises Equipment (Whitesell – 10) | | |