

Approved by General Counsel

TR-42 Meeting Report

Date(s): 10/07/2016 - 10/07/2016

Location: Philadelphia, PA

Approved: 10/07/2016

MEETING REPORT – CLOSING PLENARY

Organization: TIA TR-42 Engineering Committee on Telecommunications Cabling Systems

Chair: Ray Emplit, Harger Lightning and Grounding, (610) 273-2648

Vice Chair: Greg Sandels, OFS, (770) 798-2036

Date/Time: Friday, October 7, 2016, 8:00 AM – noon

Location: DoubleTree by Hilton Hotel Philadelphia Center City
237 South Broad St
Philadelphia, PA 19107

1 Administration

1.1 Call to order

The chair, Ray Emplit, called the meeting to order at 8:00 AM

Attendees were advised of the Important Notice of Participation

IMPORTANT NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any subelement thereof, constitutes acceptance of and agreement to be bound by all provisions of the current TIA Procedures for American National Standards (PANS) and the TIA Engineering Committee Operating Procedures (ECOP) and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by the head of the TIA Standards Department on a case-by-case basis.

1.2 Attendance (quorum, introductions, electronic roster)

The attendees introduced themselves and registered attendance using the on-line system. Quorum was verified by roster call. Attendees:

Attendee	Company	Attendee	Company
Alley, Chad	Corning Incorporated	Kuniyoshi, Cristina	Furukawa Ind. S.A
Chadha, Herminder	JP Morgan Chase	Larsen, Wayne	CommScope
Dearing, Mark	Leviton	Maguire, Val	The Siemon Company
Ehredt, Allen	Telegartner	Montstream, Cindy	Legrand
Emplit, Ray	Harger, Inc.	Palangdao, Germaine	TIA
Forbes, Diane	NW Info Services	Pelletier, Antoine	Intertek Testing Services
Franc, Henry	Belden	Sexton, Glenn	NW Info Services
Jew, Jonathan	J&M Consultants	Shariff, Masood	CommScope
Jimenez, Andrew	Anixter Inc	Vaden, Sterling	Surtec Industries

1.3 Approval of agenda (TR42-2016-10-122)

The meeting agenda was approved without objection.

1.4 Intellectual property rights statement (early disclosure policy)

The Chair brought to the attention of the attendees the TIA policy regarding intellectual property rights:

TIA has an Intellectual Property Rights (IPR) Policy. We call to the attention of participants and attendees that TIA's Policy is to encourage, but not require, the voluntary disclosure (preferably early) of Essential Patent(s) and published pending patent application(s) that may be essential to the practice of a TIA Publication. Such disclosures are to be made following the procedures of the TIA Intellectual Property Rights Policy. Additional information can be found in the TIA Intellectual Property Rights Guidelines.

1.5 Distribution of documents and contributions

The following documents were distributed on the TR-42 FTP site:

Document #	Title	Company	Contributor
2016-06-101	TR-42 Closing Plenary Meeting Report Portland	TR-42	Jew
2016-10-114	Incoming Liaison from IEEE 802.3 re Single Pair Cabling	IEEE 802.3	Law
2016-10-115	IEEE P802.3bu draft D3.2 Power over Single Pair Ethernet	IEEE 802.3	Law
2016-10-122	TR-42 Closing Plenary Agenda Portland	TR-42	Emplit
2016-10-145	TR-42.1 Closing Plenary Review	TR-42.1	Franc
2016-10-146	TR-42.3 Closing Plenary Review	TR-42.3	Montstream
2016-10-147	TR-42.5 Closing Plenary Review	TR-42.5	Forbes
2016-10-148	TR-42.6 Closing Plenary Review	TR-42.6	Jew
2016-10-149	TR-42.7 Closing Plenary Review	TR-42.7	Larsen
2016-10-150a	TR-42.9 Closing Plenary Review	TR-42.9	Lounsbury
2016-10-151	TR-42.10 Closing Plenary Review	TR-42.10	Sexton
2016-10-155	TR-42.16 Closing Plenary Review	TR-42.16	Harger
2016-10-159	Outgoing Liaison to NFPA re 2017 NEC revisions	TR-42	Shariff
2016-10-160	Outgoing Liaison to IEEE 802.3 re One-Pair Cabling	TR-42.9	Woodman
2016-10-161	Outgoing Liaison to IEEE 802.3 on Elevated Temperature	TR-42	Larsen

1.6 Meeting report review and approval (TR42-2016-06-101)

The meeting report from the June, 2016 meeting in Portland was approved without objection.

2 Old business

2.1 Liaison letters received since the opening plenary

Documents 2016-10-114 and 2016-10-115 were received from IEEE 802.3 since the opening plenary.

2.2 TR-42 program of work: status of online tools

Ray Emplit reviewed the status of online tools for tracking the TR-42 program of work. Germaine noted that this is still in progress.

2.3 Subcommittee reports and plenary action

2.3.1 TR-42.1 – Generic Telecommunications Cabling and Premises Cabling

Henry Franc presented TR42-2016-10-145.

The Places of Assembly Task Group has been restarted and will be meeting monthly, those interested in participating should contact Cindy Montstream cindy.montstream@legrand.us

Comment resolution was completed on the committee ballot for TIA-1179-A Healthcare Facilities. The next ballot will be an industry ballot.

Comment resolution was completed on the committee ballot for TIA-942-B Data Centers. The next ballot will be an industry ballot.

The subcommittee approved the PARs for addenda to TIA-568.0-D and TIA-568.1-D. The two addenda will be issued for industry ballot and will be based on activities in other subcommittees (primarily TIA-568.3-D and Category 8).

2.3.2 TR-42.3 – Telecommunications Pathways and Spaces

Cindy Montstream presented TR42-2016-10-146.

Comment resolution was completed on the industry ballot for TIA-569-D-1 Revised Temperature & Humidity Requirements. TR-42.3 approved publication of this addendum.

Comment resolution was completed on the committee ballot for TIA-569-D-2 Pathways & Spaces for Remote Powering. The next ballot will be a committee ballot.

2.3.3 TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Diane Forbes presented TR42-2016-10-147.

2.3.4 TR-42.6 – Telecommunications Infrastructure and Equipment Administration

Jonathan Jew presented TR42-2016-10-148.

Comment resolution was completed on the industry ballot for TIA-606-C. The next ballot will be another industry ballot.

The subcommittee approved the PAR for the adaption of ISO/IEC 18598 Automated Infrastructure Management. The adapted standard and TIA-606-C will be published concurrently, because content regarding AIM in TIA-606-B will be replaced by the adapted ISO/IEC standard.

2.3.5 TR-42.7 – Telecommunications Copper Cabling Systems

Wayne Larsen presented TR42-2016-10-149.

ANSI/TIA-568-C.2-1 category 8 was published since the June meeting.

Comment resolution was completed on the committee ballot of TIA TSB-184-A, supporting 1000 mA power over 4 pairs. The next ballot will be a default ballot.

Comment resolution was completed on ANSI/TIA-1152-A (category 8 field testing) and authorized publication.

Comment resolution was completed on the committee ballot of TIA TSB-5021, support for 2.5GBASE-T and 5GBASE-T using existing cabling. The next ballot will be a default ballot.

Comment resolution was completed on the mock ballot of ANSI/TIA 568.2-D. The next ballot will be another mock ballot.

Resolution of comments on 1183-A, measurement methods and test fixtures for balun-less measurements of balanced components and systems, did not occur due to lack of time

The subcommittee agreed to the PAR and industry ballot for ANSI/TIA-568.4-D, revision of ANSI/TIA-568-C.4, coaxial cabling.

TR-42.7 developed a liaison response to IEEE 802.3 on higher operating temperature of cabling - 2016-10-161 - which was reviewed and approved by TR-42. TR-42 granted Ray Emplit license to edit the liaison as appropriate.

TR-42.7 established a task group established to study the testing and applications of end plugs. The name of the task group has not yet been determined.

The TR-42 single-pair task group will be meeting on Oct 17 from 11am-1pm Eastern.

2.3.6 TR-42.9 – Industrial Telecommunications Infrastructure

Ray Emplit presented TR42-2016-10-150a on behalf of Bob Lounsbury.

TR-42.9 authorized two mock ballots for addenda to ANSI/TIA-1005-A-2012

- 1G industrial cabling for four pair (100 meters) (1000BASE-T) for E2 and E3 environments
- 1G industrial cabling for one pair Type B (40 meters) (1000BASE-T1) for E2 and E3 environments

TR-42.9 drafted the response to IEEE 802.3 regarding single pair Ethernet projects - 2016-10-160 - which was reviewed, edited and approved by TR-42. The revised draft was posted as 2016-10-160a.

2.3.7 TR-42.10 - Sustainable Information Communications Technology

Glenn Sexton presented TR42-2016-10-151.

Comment resolution was completed on TSB-5046 Sustainability for manufacturers. The document was issued for a default ballot with one comment. The subcommittee conditionally approved publication if there are no technical comments and no negative votes.

2.3.8 TR-42.16 – Premises Bonding and Grounding

Cindy Montstream presented TR42-2016-10-155 on behalf of Mark Harger.

Comment resolution was completed on TIA-607-C-1 bonding and grounding systems for multi-tenant buildings. The document will be issued for an industry ballot with conditional approval to publish if there are no technical comments and no negative votes.

2.4 Other old business

There was no other old business.

3 New business and output documents

3.1 Output documents

3.1.1 US TAG to ISO/IEC JTC 1/SC 25/WG 3

The following documents will be sent to USTAG to ISO/IEC JTC 1 SC 25 WG 3 after resolution of ballot comments

- Draft TIA-942-B Data Centers
- Draft TIA-606-C Telecommunications Administration
- Final ANSI/TIA-569-D-1 Revised Temperature & Humidity Requirements
- Draft ANSI/TIA-569-D-2 Telecommunications Pathways & Spaces Guidelines for Supporting Remote Powering
- Draft ANSI/TIA-607-C-1 Bonding in Multi-Tenant Buildings

3.1.2 IEEE 802.3 and other SDOs

The following documents were approved to be sent to IEC TC 46 WG 9

- TSB 1152-A, cat 8 field testing (latest draft possible)

3.1.3 Other output documents

Outgoing Liaisons approved:

TR-42 reviewed and approved 2016-10-159 Outgoing Liaison to NFPA re 2017 NEC revisions. TR-42 granted Ray Emplit license to edit the liaison as appropriate.

2016-10-161 Outgoing Liaison to IEEE 802.3 on Elevated Temperature

2016-10-160a Outgoing Liaison to IEEE 802.3 re One-Pair Cabling

Liaison letter for transmission of TSB 1152-A to IEC TC 46 WG 9

3.2 New liaison appointments

3.2.1 NFPA CMP3 (reporting only) – Ward Judson

Ward Judson was appointed the liaison officer between TR-42 and NFPA Code Making Panel 3 for reporting only.

3.2.2 NFPA CMP16 (TIA Primary Member) – Masood Shariff

Masood Shariff was appointed the primary representative of TIA to NFPA, and the liaison officer between TR-42 and NFPA Code Making Panel 16.

3.2.3 Support for Liaison Appointments

The chair requested and received unanimous support from TR-42 for the appointments of Ward Judson and Masood Shariff as described in 3.2.1 and 3.2.2.

3.3 Other new business

TR-42 congratulated Glenn Sexton for receiving the ANSI Meritorious Service Award.

Document numbering for ballot comments and resolved comments. TIA suggests that ballot comments and resolved comments use sequential document numbering (e.g. TR421-2016-02-018 for the ballot comments before resolution and TR421-2016-02-018a for resolved comments). Whatever number is used, TIA requests that the document number for the resolved comments be included in the meeting report.

3.4 Action items derived from this meeting and held over from previous meetings

- Make draft TIA TSB-5021 after comment resolution available for purchase before IEEE 802.3bz is published (Wayne Larsen & Ray Emplit)

4 Upcoming meetings

4.1 February 6 - 10, 2017: Philadelphia, PA.

4.2 Subsequent meetings

- June 12 – 16, 2017: Quebec (meeting noticed posted)
- September 18 – 22, 2017: Las Vegas (TR-42 approved the requested location and date)

4.3 2018 meeting schedule

The subcommittee reviewed potential dates for 2018.

- Jan 29-Feb 2, 2018: firm date, location in Florida, but preferably not Orlando
- June 4-8, 2018 (tentative)
- Oct 1-5 (tentative)

4.4 Meeting schedule for February, 2017

The Committee discussed the draft schedule for the next meeting - it will be handled by correspondence.

5 Adjournment

The meeting was adjourned at 9:16 AM.

This meeting was conducted in accordance with the TIA Legal Guidelines and the engineering procedures.

AVAILABILITY OF MEETING DOCUMENTS:

All meeting attendees are instructed to download contributions and other meeting documents from the TIA TR42 FTP site (<http://ftp.tiaonline.org/TR-42/>) before the meeting. For information on how to access the FTP site, contact TIA (Stephanie Montgomery: smontgomery@tiaonline.org).

NEW CONTRIBUTIONS:

Contributions shall use the approved templates and specific wording provided by TIA. Contributions affecting a document are to include a TIA cover sheet, proposed text to be included in the document, and the rationale/substantiation for the contribution. File templates are available on the TR42 FTP site for download. All contributions shall be submitted to the electronic document coordinator (EDC). All electronic files shall be provided in either Adobe Acrobat (*.PDF); Microsoft Word (*.DOC); Microsoft PowerPoint (*.PPT); or in Microsoft Excel(*.XLS). Compressed files shall be accessible using PKUNZIP or WINZIP (*.ZIP).

Early submittal and posting of contributions for consideration in meetings is highly encouraged. Contributions shall be submitted to the EDC as soon as possible and then posted to the FTP folders by the EDC as soon after receipt as possible, preferably within one business day. Notification of the posting shall be made to the group's email reflector list by the EDC within one working day of the posting. All contributions shall be posted to the appropriate location on the TIA FTP site no later than 12:00 noon EST on the Monday preceding the week of the meeting in which the contribution is to be considered (example: if the meeting will be held on Thursday the 20th, the contributions shall be posted by noon on Monday the 10th).

LATE CONTRIBUTIONS:

Contributions not posted as described in the timing above shall be classified as "late contributions." They may be considered in the meeting to which they are addressed provided that an appropriate motion receives 50% or greater of a vote.

All late contributions shall be provided to the EDC and to the committee members on a memory stick or CD-ROM along with sufficient paper copies for those members without a PC. All late contributions shall be posted to the TR-42 FTP site within one week of meeting adjournment.

Questions and comments on this agenda should be submitted to:

Ray Emplit, Chair	remplit@harger.com	(610) 273-2648
Greg Sandels, Vice Chair	gsandels@ofsoptics.com	(770) 798-2036
Jonathan Jew, EDC & Secretary	jew@j-and-m.com	(415) 292-7734