

Approved by General Counsel

TR-42 Meeting Report

Date(s): 10/05/2018 - 10/05/2018

Location: Mesa, AZ

Approved: 10/08/2018

MEETING REPORT – CLOSING PLENARY

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

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

Vice Chair: Henry Franc, Belden, (905) 819-0241

Date/Time: Friday, October 5, 2018, 8:00 AM - noon

Location: Hilton Phoenix Mesa
1011 West Holmes Avenue
Mesa, AZ 85210 United States

1 Administration

1.1 Call to order

The chair, Greg Sandels, 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 (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 |
|----------------------|-----------------------|---------------------|-----------------|
| Franc, Henry | Belden | Woodman, Brad | Molex Inc. |
| Xu, Sunny | CommScope | Forbes, Diane | NIS |
| Larsen, Wayne | CommScope | Sandels, Greg | OFS |
| Shariff, Masood | CommScope | Irwin, Phillip | Panduit |
| Cornelison, Ken | Hitachi | Lenz, Sean | Panduit |
| Hess, Dave | CORD DATA | Frishkorn, Eric | Phoenix Contact |
| Bernal, Ivan | Experior Laboratories | Gerber, Matthias | R&M |
| Kuniyoshi, Cristina | Furukawa Electric | Van Vickle, Patrick | Sumitomo |
| Emplit, Ray | Harger | Neveux, Paul | Superior Essex |
| Fritsche, Matthias | Harting | Vaden, Sterling | TE Connectivity |
| Schmalzigaug, Thomas | Huber+Suhner AG | Maguire, Val | The Siemon Co |

| | | | |
|-------------------|-----------------|------------------|----------|
| Jew, Jonathan | J&M Consultants | Tassone, Anthony | UL |
| Montstream, Cindy | Legrand | Buchter, Shelly | US Conec |
| Dearing, Mark | Leviton | | |

1.3 Approval of agenda

The meeting agenda (2018-10-117) 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 |
|-------------|---|----------|-------------|
| 2018-06-100 | TR-42 Closing Plenary Meeting Report Pittsburgh | TR-42 | Jew |
| 2018-10-117 | TR-42 Closing Plenary Agenda Mesa Oct 5 2018 | TR-42 | Sandels |
| 2018-10-139 | Examples of Pictures for Photo Contest | TIA | Franc |
| 2018-10-141 | TR-42.1 Closing Plenary Review | TR-42.1 | Cody |
| 2018-10-142 | TR-42.3 Closing Plenary Review | TR-42.3 | Montstream |
| 2018-10-143 | TR-42.5 Closing Plenary Review | TR-42.5 | Tellas |
| 2018-10-144 | TR-42.7 Closing Plenary Review | TR-42.7 | Vaden |
| 2018-10-145 | TR-42.9 Closing Plenary Review | TR-42.9 | Woodman |
| 2018-10-146 | TR-42.11 Closing Plenary Review | TR-42.11 | Irwin |
| 2018-10-147 | TR-42.12 Closing Plenary Review | TR-42.12 | Van Vickle |
| 2018-10-148 | TR-42.13 Closing Plenary Review | TR-42.13 | Sandels |
| 2018-10-152 | Outgoing Connector Selection Liaison IEEE 802.3 Oct 5 | TR-42.7 | Shariff |
| 2018-10-153 | TR-42 to TIA IOT Liaison | TR-42.7 | Vaden |

1.6 Meeting report review and approval

The meeting report from the June meeting (2018-06-100) was approved without objection.

2 Old business

2.1 Liaison letters received since the opening plenary

There were no liaison letters received since the opening plenary.

2.2 Elections

The odd committee elections (TR-42.1, TR-42.3, TR-42.5, TR-42.7, TR-42.9, TR-42.11, TR-42.13) will be in January 2019. TR-42 and TR-42.12 will be in January 2020.

Chairs of odd numbered subcommittees to ensure that the elections are listed in the meeting reports for this week and the agendas for the January meetings.

2.3 Subcommittee reports and plenary action

2.3.1 TR-42.1 – Premises Telecommunications Infrastructure

Diane Forbes presented TR42-2018-10-141 on behalf of Joe Cody.

The single-pair task group will be holding a conference call on Nov 4 11a-1p EST

Reaffirmation of TSB-162-A will be considered at the next meeting.

TR-42.1 approved the PAR for TIA-568.0-E *Generic Telecommunications Cabling for Customer Premises* with Ray Emplit as editor.

TR-42.1 approved the PAR for TIA-568.1-E *Commercial Building Telecommunications Cabling Standard* with Ray Emplit as editor.

TR-42.1 approved the PAR for TIA-4966-A *Telecommunications Infrastructure Standard for Educational Facilities* with Diane Forbes as editor.

TR-42.1 established a new task group on Edge Data Centers led by Henry Franc (Henry.Franc@belden.com) and Cindy Montstream (cindy.montstream@legrand.us). Please contact them to join the new task group.

2.3.2 TR-42.3 – Telecommunications Administration, Pathways, Spaces, Bonding and Grounding

Cindy Montstream presented TR42-2018-10-142.

TR-42.3 resolved comments on TIA-569-E and approved another industry ballot.

TR-42.3 approved the PAR for TIA-607-D to be edited by Ray Emplit and authorized an industry ballot.

2.3.3 TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Diane Forbes presented TR42-2018-10-143 on behalf of Ron Tellas.

TR-42.5 volunteered to maintain the TR-42 document list. Chairs are requested to update TR-42.5 on the status of their standards to ensure that the TR-42 document list is current.

2.3.4 TR-42.7 – Telecommunications Copper Cabling Systems

Sterling Vaden presented TR42-2018-10-144.

Ballot comments were resolved, and a third committee ballot was authorized for TSB-184-A-1, installation guidelines for power delivery over 28 AWG cord cable.

TR-42.7 selected the IEC 63171-1 LC style connector as the single pair equipment outlet connector.

The 568.5 draft was reviewed and will continued to be developed by the single pair task group.

TR-42.7 approved for industry ballot addendum 568.2-D-1 to specify balun requirements for category 8 testing.

TR-42.7 created a task group to investigate component specifications for field term plugs.

TR-42.7 authorized 184-A TG to create a PAR for a second addendum to 568.2-D regarding normative powering requirements.

A letter will be sent to TIA noting that we are working on single pair cabling specs for IOT (2018-10-153).

TR-42 reviewed and approved TR42-2018-10-152 Outgoing Connector Selection Liaison IEEE 802.3 Oct 5. The revised draft was posted as TR42-2018-10-152a.

2.3.5 TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2018-10-145.

TR-42.9 Vice-Chair election will be deferred until January to coincide with the election of the TR-42.9 Chair.

TR-42.9 selected IEC 61076-3-125 as the single pair connector for MICE2 & MICE3.

TR-42.9 approved reaffirmation of ANSI/TIA-1005-A. The chair will create the PAR.

Comments were resolved on ANSI/TIA-1005-A-2 (Performance requirements for 1G four pair industrial cables and cabling supporting 1000BASE-T for MICE2 and MICE3 environments). The next ballot will be an industry ballot.

Work continues on ANSI/TIA-PN-PN1005-A-3 (1G industrial cabling for one pair Link Segment Type B, 1000BASE-T1 for MICE2 and MICE3 environments).

2.3.6 TR-42.11 – Optical Fiber Systems

Phil Irwin presented TR42-2018-10-146 on behalf of Paul Kolesar.

Default ballot comments were resolved on TIA-568.3-D addendum 1 and TR-42.11 approved publication.

TR-42.11 approved the PAR for a TSB on Optical Fiber Channel Polarity.

2.3.7 TR-42.12 – Optical Fibers and Cables

Patrick Van Vickle presented TR42-2018-10-147.

TR-42.12 approved a PAR for ANSI/TIA-455-82-C FOTP-82C Fluid Penetration, which will incorporate applicable sections of IEC 60794-1-22.

TR-42.12 approved a PAR for ANSI/TIA-598-E Optical Fiber, Cable, and Component Color Coding, with Pete Pondillo as editor.

TR-42.12 submitted the following PARs for TIA-492-series restructuring; adaption of IEC MMF and SMF fiber specifications;

- Generic: submitted to TIA to adapt IEC 60793-2:2015 as ANSI/TIA-4920000-C
- Multimode: submitted to TIA for adapt with modifications IEC 60793-2-10:2017 as ANSI/TIA-492AAAF
- Single mode: submitted to TIA for adapt with modifications IEC 60793-2-50:2015 as ANSI/TIA-492CAA

TIA-598-D-1 Colors for elements 13-16 was approved for publication on Aug 13, 2018 but needs a title correction.

2.3.8 TR-42.13 – Passive Optical Devices and Fiber Optic Metrology

Greg Sandels presented TR42-2018-10-148.

TR-42.13 resolved comments and approved FOTP 171B for publication.

TR-42.13 resolved comments and approved FOCIS 5 (MPO) for publication

The CS Connector FOCIS (604-19) draft was reviewed by TR-42.13. A revised draft will be provided for the January meeting for the first ballot. The name of the connector will need to be changed as “CS” is trademarked.

2.4 NEC Public Input Task Group

Masood Shariff informed the committee that the NEC Input Task Group did not meet.

2.5 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

TIA-568.5 on balanced single-pair cabling to be sent to the ISO/IEC JTC 1 SC 25 WG 3 Ad Hoc for ISO/IEC 11801-1 Amd1 Ed1 prior to the October 17 Ad Hoc conference call.

TIA-5017 to be sent with a new work item proposal for addendum 1 to ISO/IEC 14763-2 on physical network security.

3.1.2 IEEE 802.3 and other SDOs

The following documents were approved to be sent to IEEE 802.3

- TR42-2018-10-152a Outgoing Connector Selection Liaison IEEE 802.3 Oct 5

3.1.3 Other output documents

Outgoing Liaisons approved:

- Letter to TIA regarding IoT (2018-10-153a)

3.2 TR-42 Photography Contest

The Chair would like TR-42 members to submit photos reflective of the location of our meetings. TR-42 will select the best photo for each meeting and at the end of the year select the best photo of the year. 2018-10-139 is an example of such photos.

3.3 Other new business

There was no other new business.

3.4 Action items derived from this meeting

Greg Sandels – send liaison to IEEE 802.3 (2018-10-152a)

Greg Sandels – send letter to TIA noting that TR-42 is working on single pair cabling specs for IOT (2018-10-153a)

Henry Franc & Greg Sandels – meeting schedule for January 2019 within one month to be distributed to the TR-42 leadership (chairs and vice-chairs including USTAG ISO/IEC JTC 1 SC 25 WG 3)

4 Upcoming meetings

4.1 January 28 – February 1, 2018: Orlando, FL – TIA will publish the notice shortly

4.2 Subsequent meetings (dates all approved in TR-42 plenary)

- June 10 -14, 2019 – Calgary, Vancouver
- September 16 - 20, 2019 – Providence, Boston, Savannah, Albuquerque

TR-42's preference is to have meeting locations scheduled at least one year in advance.

We will defer setting dates for 2020 at the next plenary meeting.

4.3 Meeting schedule for January 2019

The meeting schedule for January will be developed via correspondence.

5 Adjournment

The meeting was adjourned at 8:52 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 (Marta Soncodi: MSoncodi@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 provided to the EDC within 24-hours of the meeting shall be classified as "late contributions." They may be considered in the meeting to which they are addressed at the discretion of the chair. All late contributions shall be provided to the EDC and to the committee members in electronic format. 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 |