

Approved by General Counsel

TR-42 Meeting Report

Date(s): 06/15/2018 - 06/15/2018

Location: Pittsburgh, PA

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, June 15, 2018, 8:00 AM - noon

Location: Sheraton Pittsburgh Hotel at Station Square
300 W Station Square Drive
Pittsburgh, PA 15219

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
Alley, Chad	Corning	Jew, Jonathan	J&M Consultants
Barrera, Dan	Ideal Industries	Kolesar, Paul	CommScope
Borgman, Michael	Panduit	Kuniyoshi, Cristina	Furukawa
Buchter, Shelly	US Conec	Kunplin, Salin	Belden
Cornelison, Ken	Consultant	Kusuma, Roy	Belden
Ehredt, Allen	Telegartner	Larsen, Wayne	CommScope
Emplit, Ray	Harger	Matuszak, Paul	R&M
Forbes, Diane	NIS	McMurray, Martin	JPMorgan Chase
Franc, Henry	Belden	Montstream, Cindy	Legrand
Frishkorn, Eric	Phoenix Contact	Neveux, Paul	Superior Essex
Fritsche, Matthias	Harting	Sandels, Greg	OFS

Gerber, Matthias	R&M	Soncodi, Marta	TIA
Hess, Dave	Cord Data	Vaden, Sterling	TE Connectivity
Hopper, Scott	Leviton	Valentukonis, David	The Siemon Co
Irwin, Phillip	Panduit	Withey, James	Fluke Networks
Jallo, Tom	Softing		

1.3 Approval of agenda

The meeting agenda (TR42-2018-06-067) 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
2018-01-050	TR-42 Closing Plenary Meeting Report Orlando	TR-42	Jew
2018-06-067	TR-42 Closing Plenary Agenda Pittsburgh June 15 2018	TR-42	Sandels
2018-06-091	TR-42.1 Closing Plenary Review	TR-42.1	Cody
2018-06-092	TR-42.3 Closing Plenary Review	TR-42.3	Montstream
2018-06-093	TR-42.5 Closing Plenary Review	TR-42.5	Forbes
2018-06-094	TR-42.7 Closing Plenary Review	TR-42.7	Vaden
2018-06-095	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
2018-06-096	TR-42.11 Closing Plenary Review	TR-42.11	Kolesar
2018-06-097	TR-42.12 Closing Plenary Review	TR-42.12	Van Vickle
2018-06-098	TR-42.13 Closing Plenary Review	TR-42.13	Sandels
2018-06-102a	TR-42 to TIA IOT	TR-42.7	DiMinico
2018-06-103	PAR - TSB - Optical Fiber Channel Polarity	TR-42.1	Cody

1.6 Meeting report review and approval

The meeting report from the January meeting (2018-01-050) 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 Possible change of election timing

At the January meeting in Orlando, TR-42 committee agreed to have elections for odd committees in the first meeting of odd years and even committees (including TR-42) on even years. The next odd committee elections will be in January 2019.

2.3 Subcommittee reports and plenary action

2.3.1 TR-42.1 – Premises Telecommunications Infrastructure

Diane Forbes presented TR42-2018-06-091 on behalf of Joe Cody.

The comment for TIA-570-D (Residential) was resolved and the document was approved for publication.

The first ANSI/TIA-758-C Outside Plant draft was reviewed. It will be released for an industry ballot.

Work continues with the Places of Assembly task group.

Work with the single-pair task group will be put on hold to ensure that work being performed in TR-42.7 and TR-42.9 is not duplicated.

TR-42.1 has approved a new name - Premises Telecommunications Infrastructure.

Upcoming work includes:

- PAR and draft of TIA-568.0-E for review at the October meeting – Ray Emplit editor.
- PAR and draft of TIA-568.1-E for review at the October meeting – Ray Emplit editor.
- PAR and draft of TIA-4966 for review at the October meeting – Diane Forbes editor.
- Future work on central office to data center conversion
- Future work on edge data centers

PAR for optical fiber polarity in a channel from a user perspective was reviewed and approved in TR-42.1. TR-42 reassigned the project without objection to TR-42.11. TR-42.11 was assigned to review and approve the PAR.

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

Cindy Montstream presented TR42-2018-06-092.

TR-42.3 approved publication of TIA-569-D (Pathways & Spaces) Addendum 2 on pathways and spaces for remote powering.

TR-42.3 approved the PAR and industry ballot for TIA-569-E.

The subcommittee agreed to send TIA-569-D-2 to USTAG JTC 1 SC 25 WG 3 and SCC.

2.3.3 TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Diane Forbes presented TR42-2018-06-093 on behalf of Ron Tellas.

TR-42.5 volunteered to maintain the TR-42 document list. It will be available in the TR-42 MAIN public folders for anyone to review. 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 TR42-2018-06-094.

Default ballot comments were resolved on ANSI/TIA-568.2-D (revision to TIA-568.C. It was approved for publication.

A second committee ballot was authorized for TSB-184-A-1, installation guidelines for power delivery over 28 AWG cord cable.

TR-42.7 approved to create a PAR to an addendum to 568.2-D to specify balun requirements for category 8 testing.

TSB-190 was reaffirmed.

Active task groups in TR-42.7 are:

- Single pair cabling
- Category 8 short channel alien crosstalk
- TSB-184-A-1 Installation guidelines for cords in vertical cable managers

Voting for single-pair connectors to include in the 568.5 draft will occur at the next meeting.

Draft 0.5e of TIA-568.5 will be sent to SCC.

A letter will be sent to TIA noting that we are working on single pair cabling specs for IOT. TR-42 reviewed and edited 2018-06-102a.

2.3.5 TR-42.9 – Industrial Telecommunications Infrastructure

Henry Franc presented TR42-2018-06-095 on behalf of Brad Woodman.

Vice-Chair election will be held at October meeting due to retirement of Bob Lounsbury.

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 another committee ballot.

Comments were resolved on mock ballot for ANSI/TIA-PN-PN1005-A-3 (1G industrial cabling for one pair Link Segment Type B, 1000BASE-T1 for MICE2 and MICE3 environments). The

next ballot will be another mock ballot. Interim conference calls have been scheduled for July 18 and August 15 for connector selection.

2.3.6 TR-42.11 – Optical Fiber Systems

Paul Kolesar presented TR42-2018-06-096.

Comments were resolved on TIA-568.3-D addendum 1. The next ballot will be a default ballot.

2.3.7 TR-42.12 – Optical Fibers and Cables

Greg Sandels presented TR42-2018-06-097 on behalf of Patrick Van Vickie.

TR-42.12 approved PINS to adapt IEC 60793-2, 60793-2-10, & 60793-2-50.

Comments for TIA-598-D-1 (Additional Colors for Fibers 13-16) were resolved and it was approved for publication.

TIA-598 revisions to accommodate WB MMF (OM5) were published.

Revision of FOTP-244, temperature cycling of expressed tubes was approved.

Name and focus of the Task Group on “MMF for the purposes of WDM applications” were changed to the TG on “VCSEL Weighting Functions”. The goal of TG is a change/reassessment of TIA VCSEL DMD weighting functions throughout the wavelength range. Task Group lead will be Bulent Kose (bko@panduit.com).

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

Greg Sandels presented TR42-2018-06-098.

Comments were resolved on FOTP 171B. It will be issued for a 4th (committee) ballot.

The CS Connector FOCIS draft will be reviewed at the next meeting.

FOCIS 18 (MPO 16) comments were resolved and the document was approved for publication.

FOCIS 5 (MPO) comments were resolved and the document was approved for a default ballot.

IEC Optical Interface Adoption Proposal was rolled over to the next meeting.

2.4 NEC Public Input Task Group

Masood Shariff informed the committee that the NEC Input Task Group did not meet since the last meeting so there is no report.

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

The following documents were approved to be sent to ISO/IEC JTC 1 SC 25 WG 3.

- TIA-569-D-2 (Pathways for Remote Powering)

3.1.2 IEEE 802.3 and other SDOs

The following documents were approved to be sent to IEEE 802.3

- None

The following documents were approved to be sent to SCC

- TIA-569-D-2 (Pathways for Remote Powering).
- Draft 0.5e of TIA-568.5

3.1.3 Other output documents

Outgoing Liaisons approved:

- Letter to TIA regarding IoT

3.2 Other new business

3.2.1 Meeting registration

TIA plans to use the meeting registration system going forward as it is standard practice with the QuestForum and it provides many benefits.

3.2.2 Text in agendas & reports regarding late contributions

The language at the bottom of all meeting agendas and reports will be changed:

FROM

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.

TO

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.

3.3 Action items derived from this meeting

Greg Sandels – preparation of documents for USTAG & SCC

Henry Franc & Greg Sandels – Greg Sandels send letter to TIA noting that TR-42 is working on single pair cabling specs for IOT after editing by Henry Franc

Henry Franc & Greg Sandels – meeting schedule for Oct 2018 within one month

4 Upcoming meetings

4.1 October 1 – 5, 2018: Phoenix-Mesa – TIA will publish the notice shortly

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

- January 28 - Feb 1, 2019 – Naples, Ft Meyers, Sanibel Island (all in FL)
- June 10 -14, 2019 – Calgary, Vancouver
- September 16 - 20, 2019 – Boston, Savannah, Albuquerque

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

4.3 Meeting schedule for October 2018

The meeting schedule for October will be developed via correspondence.

5 Adjournment

The meeting was adjourned at 9:25 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:

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 media. All late contributions will 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