



## **Approved by General Counsel**

TR-42 Meeting Report

Date(s): 06/12/2020 - 06/12/2020

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

Approved: 07/09/2020



# Closing Plenary Meeting Report

## TR-42 Telecommunications Cabling Systems Engineering Committee

Date: June 12, 2020  
 Time: 9:00-12:00 MDT  
 Location: Virtual GoToWebinar  
 Chair: Greg Sandels  
 Vice Chair: Henry Franc  
 Secretary: Jonathan Jew

### 1. Administrative/General Business

#### 1.1. Call to Order

The chair, Greg Sandels, called the meeting to order at 9:00 AM MDT

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.

**TIA is actively seeking participation in TR-42 standards projects from the user and general interest communities.**

#### 1.2. Attendance (Call Quorum, Introductions, Roster)

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

Attendee	Representing	Attendee	Representing
Franc, Henry	Belden	Dearing, Mark	Leviton
Shuman, Brian	Belden	Woodman, Brad	Molex
Siev, Virak	Belden	Forbes, Diane	NIS
Tellas, Ron	Belden	Jones, Cameron	ODVA/Rockwell
Harpel, Todd	Berk-Tek	Sandels, Greg	OFS
Dallmann, Rick	CABLExpress	Shubochkin, Roman	OFS
Aston, Daniel	CenturyLink	Irwin, Phillip	Panduit
Dawson, Fred	Chemours	Lenz, Sean	Panduit
Zimmerman, George	CME Consulting	Voss, Bob	Panduit
Larsen, Wayne	CommScope	Hormmeyer, Bernd	Phoenix Contact
Shariff, Masood	CommScope	Tourreau, Patrick	Photon Kinetics
Xu, Sunny	CommScope	Thwaites, Steve	Prysmian

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Banos, Jorge	CONDUMEX	Ahmed, Adnan	R&M
Hess, Dave	CORD DATA	Ninomiya, Tiger	SENKO
Huffman, Derek	Corning	Bhatt, Darshana	Sterlite
Kozischek, David	Corning	VanVickle, Patrick	Sumitomo
He, Gang	EXFO	Ellis, Mark	Stewart Connector
Withey, James	Fluke Networks	Born, Steve	Superior Essex
Kuniyoshi, Cristina	Furukawa	Ford, Christin	Superior Essex
Payton, Scott	Global Data Ctr Eng	Lanoe, Thibaut	Superior Essex
Emplit, Ray	Harger	Ehredt, Allen	Telegartner
Fritsche, Matthias	HARTING	Farfan, Nelson	The Siemon Co
Schmalzigaug, Thomas	Huber+Suhner AG	Valentukonis, David	The Siemon Co
Barrera, Dan	IDEAL	Bain, David	TIA
Todd, Scott	IDEAL	Fluet, Jacques	TIA
Jew, Jonathan	J&M Consultants	Jenkins, Teesha	TIA
Jahani, Hamid	JGR Optics	Tassone, Anthony	UL
McMurray, Martin	JPMorgan Chase	Buchter, Shelly	US Conec
Morris, Dan	KITCO Fiber Optics	Vaden, Sterling	Vaden Enterprises
Montstream, Cindy	Legrand	Dupuis, Marc	Web Industries

### 1.3. Current Meeting Agenda Review and Approval

The revised meeting agenda (TR42-2020-06-068) was approved without objection.

### 1.4. Previous Meeting Report Review and Approval

The meeting report from the January meeting (TR42-2020-01-043) was approved without objection.

### 1.5. TIA Intellectual Property Rights (Early Disclosure Policy)

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

TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX C) and other clauses and annexes of TIA Standards Development Procedures. Participants in the work of the TIA Formulating Groups 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 the 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 a TIA Patent Holder Statement 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.

### 1.6. Distribution of documents and contributions

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



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Document #	Title	Company	Contributor
2020-01-043	TR-42 Closing Plenary Meeting Report New Orleans	TR-42	Jew
2020-06-068	TR42-2020-06-068 TR-42 Closing Plenary Notice & Agenda Virtual June 12 2020	TR-42	Sandels
2020-06-089	NEC Task Group 2020 Public Inputs Masood Shariff	TIA	Shariff
2020-06-093	TR-42.1 Closing Plenary Review	TR-42.1	Forbes
2020-06-095	TR-42.5 Closing Plenary Review	TR-42.5	Tellas
2020-06-096	TR-42.7 Closing Plenary Review	TR-42.7	Larsen
2020-06-097	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
2020-06-098	TR-42.11 Closing Plenary Review	TR-42.11	Irwin
2020-06-099	TR-42.12 Closing Plenary Review	TR-42.12	Van Vickle
2020-06-100	TR-42.13 Closing Plenary Review	TR-42.13	Sandels

## 2. Old Business

### 2.1. Liaison letters received since the opening plenary

There were no liaison letters received since the opening plenary.

### 2.2. Subcommittee reports and plenary action

#### 2.2.1. TR-42.1 – Premises Telecommunications Infrastructure

Joe Cody has retired; therefore, Diane Forbes has been appointed chair of TR-42.1

Diane Forbes presented TR42-2020-06-093.

TR-42.1 resolved mock ballot comments to TIA-568.0-E-1 (single balanced twisted-pair use cases and topology) and approved the 1<sup>st</sup> committee ballot.

TR-42.1 resolved mock ballot comments to TIA-862-C (Intelligent Buildings) and approved the 1<sup>st</sup> committee ballot.

TR-42.1 resolved industry ballot comments to TIA-4966 (Education) and approved the 2<sup>nd</sup> industry ballot.

TR-42.1 resolved committee ballot comments for TSB-162-B (Wireless Access Points) and authorized publication.

TR-42.1 approved the project request for TIA-942-B-1 Edge Data Centers and authorized a mock ballot.

#### 2.2.2. TR-42.3 – Telecommunications Administration, Pathways, Spaces, Bonding and Grounding

There was no TR-42.3 meeting this week, however TR-42.3 plans to meet in October.

#### 2.2.3. TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Ron Tellas presented TR42-2020-06-095.

#### 2.2.4. TR-42.7 – Telecommunications Copper Cabling Systems



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Wayne Larsen presented TR42-2020-06-096.

TR-42.7 resolved ballot comments on ANSI/TIA-568.2-D.2 (normative version of TSB-184-A guidelines for remote powering).and authorized a default ballot with three comments.

TR-42.7 resolved ballot comments on ANSI/TIA-568.5 (single-pair cabling) and authorized an industry ballot.

TR-42.7 resolved ballot comments on ANSI/TIA-5071 (Field testing for single-pair cabling) and authorized a committee ballot.

TR-42.7 did not work on TIA-568.6 (single-pair multi-drop SPMD) and thermal performance of single-pair cables due to lack of time.

TR-42.7 is likely to have at least one interim meeting before the October meetings.

TIA-568.5 to be sent to USTAG

### **2.2.5. TR-42.9 – Industrial Telecommunications Infrastructure**

Brad Woodman presented TR42-2020-06-097.

TR-42.9 resolved mock ballot comments to TIA-1005-B (revision to TIA-1005-A) and authorized the 1<sup>st</sup> committee ballot.

TR-42.9 reviewed the scope of the TIA-568.7 Industrial Single-Pair Ethernet project. Task Group will meet to continue work on the project.

### **2.2.6. TR-42.11 – Optical Fiber Systems**

Phil Irwin presented TR42-2020-06-098.

TSB-5069 (Optical Fiber Channel Polarity for single and double row fiber) was approved for publication at the last meeting.

TR-42.11 reviewed the draft for ANSI/TIA-568.3-E (Optical Fiber Cabling and Components) and approved issuing the 1<sup>st</sup> committee ballot with content from TIA-568.3-D-1 added. Sunny Xu was appointed as editor.

TR-42.11 approved issuing a ballot for TIA-526-14-D (Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant) as an adoption of IEC 61280-4-1 ed.3 2019) with content of the foreword to be determined.

### **2.2.7. TR-42.12 – Optical Fibers and Cables**

Patrick Van Vickle presented TR42-2020-06-099.

TR-42.12 resolved comments on TIA-455-3 (FOTP-3) Temperature Ramps and Precision

The previously planned 'Munsell sheet' round robin to understand the sources of color variability for the revision of ANSI/TIA-598-D (Optical Fiber Color Coding) has been delayed. A new round robin proposed on CIELAB measurements of ink draw-down samples via shipping samples using individual manufacturers equipment.

TIA-455-111 (FOTP-111), fiber curl, adoption of IEC 60793-1-34 will be balloted after the October TR-42.12 meeting, as IEC 60793-1-34 is expected to be published in August 2020.

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The ballot for TIA-455-244 (FOTP-244), Temperature cycling of expressed tubes, closed and TR-42.12 approved in for publication (likely in July).

TR-42.12 will be issuing an ANSI ballot to adapt IEC 60793-2:2019 edition 9 (Optical fibres - Part 2: Product specifications – General) as ANSI/TIA-4920000-C

TR-42.12 ballots are expected to close in June for the adoption of the following IEC documents:

- TIA-455-78 adoption from IEC 60793 Part 1-40: Attenuation
- TIA-455-62 adoption from IEC 60793 Part 1-47: Macrobending Loss
- TIA-455-80 adoption from IEC 60793 Part 1-44: Cut-off Wavelength
- TIA-455-175 adoption from IEC 60793 Part 1-42: Chromatic Dispersion
- TIA-455-176 adoption from IEC 60793 Part 1-20: Fibre Geometry
- TIA-455-177 adoption from IEC 60793 Part 1-43: Numerical Aperture
- TIA-455-178 adoption from IEC 60793 Part 1-32: Coating Stripability
- TIA-455-67 adoption from IEC 60793 Part 1-51: Dry Heat
- TIA-455-74 adoption from IEC 60793 Part 1-53: Water Immersion
- TIA-455-160 adoption from IEC 60793 Part 1-50: Damp Heat (Steady State)
- TIA-455-122 adoption from IEC 60793 Part 1-48: Polarization Mode Dispersion

### 2.2.8. TR-42.13 – Passive Optical Devices and Fiber Optic Metrology

Greg Sandels presented TR42-2020-06-100.

TR-42.13 resolved ballot comments on FOCIS 19 (CS Connector) and approved an Industry ballot.

TR-42.13 resolved ballot comments on FOCIS 10C (LC Connector) and approved a 2<sup>nd</sup> Committee ballot

### 2.3. NEC Public Input Task Group

Masood Shariff presented 2020-06-089 NEC Task Group 2020 Public Inputs. Notices for the NEC Public Input Task Group will be sent to the TR-42 reflector and public inputs for review and approval by TR-42 will be sent to Jonathan Jew to be posted to TR-42 FTP site.

An Interim TR-42 meeting will be held if there are any objections on the TR-42 reflector to the NEC Public Inputs. They will otherwise be considered as endorsed by TR-42.

### 2.4. Other old business

There was no other old business.

## 3. New Business and output documents

### 3.1. TIA Agenda and Report Templates

No updates

### 3.2. Output documents



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### 3.2.1. US TAG to ISO/IEC JTC 1 SC 25 WG 3

- Updated ANSI/TIA-568.5 prior to Sept 21-25 ISO/IEC JTC 1 SC 25 WG 3 meetings

### 3.2.2. IEEE 802.3 and other SDOs

#### 3.2.2.1. IEEE 802.3

None

#### 3.2.2.2. Other SDOs

The following documents were approved to be sent to other SDOs

### 3.3. Other new business

There was no other new business.

## 4. TR-42 Photography Contest

The winner of this week's photo contest is Cindy Montstream with her photo Hawk Visit During TIA Remote Meeting.

## 5. Action items derived from this meeting

- Wayne Larsen to send updated ANSI/TIA-568.5 to Dave Hess.
- Henry Franc to distribute draft schedule for the October meeting to TR-42 & subcommittee leadership within two weeks.
- Odd numbered subcommittees (TR-42.1, TR-42.3, TR-42.5, TR-42.7, TR-42.9, TR-42.11 and TR-42.13) will have elections at Feb 2021 meeting. This will need to appear in their agendas for these meetings.

## 6. Upcoming Meetings

### 6.1. Next meeting

- October 5-9, 2020 – Virtual GoToWebinar

### 6.2. Subsequent meetings – locations to be finalized at closing plenary

- Feb 1-5, 2021 – Date fixed – Location preferably Orlando (before the BICSI conference in Orlando the following week)
- June 7-11, 2021 – Date fixed – Location TBD, preferably in Canada (e.g., Quebec City, Toronto)
- October 4-8, 2021 – tentative date, location TBD

### 6.3. Meeting schedule for June 2020

The meeting schedule for the October meeting will be developed by correspondence.

## 7. Adjournment

The meeting was adjourned at 10:38 am MDT

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



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### 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.

To access the User Name and Password, please follow the directions below:

- o Go to <https://www.tiaonline.org/all-standards/committees/admin>
- o Enter your *User Name* (your email address in the TIA database)
- o Enter your *Password*
- o Click "Go"
- o Click "*Committee Member Tools*" (if you do not automatically land on this page)
- o On right navigation bar, under "*General*", click "*Your Committee Tools Dashboard*"
- o You will see "*Committee Tools Dashboard*" on top, under "**Your Committees**" you will see FTP User Name and Password in **red text** next to "FTP UN" and "PW"

### 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 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 on a memory stick or other electronic media. 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:

Greg Sandels, Vice Chair	gsandels@ofsoptics.com	(770) 798-2036
Henry Franc, Vice-Chair	Henry.Franc@belden.com	(416) 476-1336
Jonathan Jew, EDC & Secretary	jew@j-and-m.com	(415) 515-4304