



## **Approved by General Counsel**

TR-42 Meeting Report

Date(s): 01/31/2019 - 01/31/2019

Location: Orlando, FL

Approved: 03/14/2019

## 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, February 1, 2019, 8:00 AM - noon

**Location:** Wyndham Lake Buena Vista  
1850 Hotel Plaza Boulevard  
Lake Buena Vista, FL 32830

### 1 Administration

#### 1.1 Call to order

The chair, Greg Sandels, called the meeting to order at 8:01 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	Larsen, Wayne	CommScope
Bain, David	TIA	Lenz, Sean	Panduit
Buchter, Shelly	US Conec	Montstream, Cindy	Legrand
Emplit, Ray	Harger	Oslakovich, Evan	Panduit
Forbes, Diane	NIS	Sandels, Greg	OFS
Franc, Henry	Belden	Tellas, Ron	Belden
Frishkorn, Eric	Phoenix Contact	Tutt, Christopher	Senko
Hess, Dave	CORD DATA	Vaden, Sterling	Vaden Enterprises
Irwin, Phillip	Panduit	Valentukonis, David	The Siemon Co
Jallo, Tom	Softing	Van Vickle, Patrick	Sumitomo
Jew, Jonathan	J&M Consultants	Winston, William	Fluke

Keller, David	Berk-Tek	Woodman, Brad	Molex Inc.
Kuniyoshi, Cristina	Furukawa	Xu, Sunny	CommScope

### 1.3 Approval of agenda

The meeting agenda (2019-01-009) was approved with the addition of 3.2 TIA Report, 3.3 TIA PANS update and 3.4 Update to Style Guide to Allow Normative References without Year.

### 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
2018-10-150	TR-42 Closing Plenary Meeting Report Mesa	TR-42	Jew
2019-01-009	TR-42 Closing Plenary Agenda Orlando Feb 1 2019	TR-42	Sandels
2019-01-031	Outgoing Liaison to Intertek on Field Terminatable Plugs	TR-42.7	Larsen
2019-01-033	TR-42.1 Closing Plenary Review	TR-42.1	Cody
2019-01-034	TR-42.3 Closing Plenary Review	TR-42.3	Montstream
2019-01-035	TR-42.5 Closing Plenary Review	TR-42.5	Tellas
2019-01-036a	TR-42.7 Closing Plenary Review	TR-42.7	Vaden
2019-01-037	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
2019-01-038	TR-42.11 Closing Plenary Review	TR-42.11	Irwin
2019-01-039	TR-42.12 Closing Plenary Review	TR-42.12	Van Vickle
2019-01-040	TR-42.13 Closing Plenary Review	TR-42.13	Sandels
2019-01-044	TIA PANS Update 2018 Presentation	TIA	Jenkins
2019-01-045	ITU-R Incoming Liaison on Radio interface standards	ITU-R	ITU-R
2019-01-046	ITU-T Incoming Liaison on OTNT Optical and Transport Networks Technologies	ITU-T	ITU-T

### 1.6 Meeting report review and approval

The meeting report from the October meeting (2018-10-150) was approved without objection.

## 2 Old business

## 2.1 Liaison letters received since the opening plenary

There were two incoming liaisons – neither resulted in any action to be taken by TR-42

- TR42-2019-01-045 ITU-R Incoming Liaison on Radio interface standards
- TR42-2019-01-046 ITU-T Incoming Liaison on OTNT Optical and Transport Networks Technologies

## 2.2 Elections

The odd committee elections were held this week. The results are:

- TR-42.1 - Joseph Cody of Corning was re-elected Chair and Diane Forbes of NIS was re-elected as Vice-Chair.
- TR-42.3 - Cindy Montstream of Legrand was re-elected as Chair and Jonathan Jew of J&M Consultants was re-elected as Vice-Chair.
- TR-42.5 - Ron Tellas of Belden was re-elected Chair and Diane Forbes of NIS was re-elected as Vice-Chair.
- TR-42.7 - Wayne Larsen of CommScope was elected Chair and was Sterling Vaden of TE Connectivity elected as Vice-Chair.
- TR-42.9 - Brad Woodman of Molex was elected Chair and Brian Shuman of Belden was elected as Vice-Chair.
- TR-42.11 - Phil Irwin of Panduit of CommScope was elected as the Chair and Dan Morris of KITCO Fiber Optics was elected as Vice-Chair.
- TR-42.13 - Greg Sandels of OFS was re-elected as Chair and Dan Morris of KITCO Fiber Optics was re-elected as Vice-Chair.

TR-42 and TR-42.12 elections will be in January 2020.

The committee expressed its appreciation to Paul Kolesar for his service to TIA.

## 2.3 Subcommittee reports and plenary action

### 2.3.1 TR-42.1 – Premises Telecommunications Infrastructure

Diane Forbes presented 2019-01-033 on behalf of Joe Cody.

TR-42.1 resolved comments for the 1st committee ballot of TIA-568.0-E *Generic Telecommunications Cabling for Customer Premises*, but deferred completion of ballot comments until the June meeting after the TO/EO Channels Task Group has met to recommend resolution of the unresolved comments.

TR-42.1 resolved comments for the 1st committee ballot of TIA-568.1-E *Commercial Building Telecommunications Cabling Standards*, but deferred completion of ballot comments until the June meeting after the TO/EO Channels Task Group has met to recommend resolution of the unresolved comments.

TR-42.1 resolved comments for the 1<sup>st</sup> Industry ballot of TIA-758-C Customer-Owned Outside Plant. The next ballot will be another Industry ballot.

The PAR for revision of TSB-162-A Wireless Access Points will be considered at the next meeting.

TR-42.1 established a new task group to develop the initial draft of an addendum to TIA-942-B. The addendum will address modifications to TIA-942-B to incorporate Edge Data Centers (EDCs). The PAR for the addendum will be created at the June meeting. The task group Editor will be Marta Soncodi and will be co-chaired by Cindy Montstream ([cindy.montstream@legrand.us](mailto:cindy.montstream@legrand.us)) and Jonathan Jew ([jew@j-and-m.com](mailto:jew@j-and-m.com)). Please contact the co-chairs to join the EDC task group. A separate TSB may be created to incorporate content that the task group determines is outside the scope of TIA-942-B.

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

Cindy Montstream presented 2019-01-034.

TR-42.3 resolved comments on TIA-569-E and approved a default ballot with approval to publish if there are no negative votes or technical comments.

TR-42.3 resolved comments on TIA-607-D and authorized an industry ballot.

### **2.3.3 TR-42.5 – Telecommunications Infrastructure Terms and Symbols**

Ron Tellas presented 2019-01-035.

TR-42.5 will 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 2019-01-036a.

TR-42.7 approved publication of TIA-568.2-D-1 to specify balun requirements for category 8 testing pending a successful closure of the default ballot on February 3 without negative votes or technical comments.

Contributions on single-pair test procedures were reviewed and a mock ballot was approved for TIA-568.5.

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

TR-42.7 reviewed progress o a second addendum to 568.2-D regarding normative powering requirements.

TR-42.7 agreed to not take any action regarding reaffirmation or revision of TSB-155-A.

TR-42.7 agreed to re-affirm TSB-5008.

TR-42.7 agreed to re-affirm TSB-1197.

TR-42 did not have consensus to send TR42-2019-01-031 Outgoing Liaison to Intertek on Field Terminatable Plugs.

### **2.3.5 TR-42.9 – Industrial Telecommunications Infrastructure**

Brad Woodman presented 2019-01-037.

TR-42.9 approved reaffirmation of ANSI/TIA-1005-A.

The ballot for ANSI/TIA-1005-A-2 (Performance requirements for 1G four pair industrial cables and cabling supporting 1000BASE-T for MICE2 and MICE3 environments) closes on February 18.

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 2019-01-038 on behalf of Paul Kolesar.

TIA-568.3-D addendum 1 was published on Jan 22, 2019.

TR-42.11 reviewed the draft for TSB-5069 on Optical Fiber Channel Polarity and approved a committee ballot.

### **2.3.7 TR-42.12 – Optical Fibers and Cables**

Patrick Van Vickle presented 2019-01-039.

TR-42.12 resolved comments and approved publication of ANSI/TIA-455-95B (FOTP-95B), Absolute Optical Power Test.

TR-42.12 finalized a draft and approved an industry ballot for ANSI/TIA-455-82B (FOTP-82), Fluid Penetration.

TR-42.12 approved a PINS to initiate the project for FOTP-244, Temperature Cycling of Expressed Tubes. It will include applicable sections of IEC 60794-1-22 Method F18.

TR42.12 approved a PINS to initiate the project for FOTP-3, Temperature Ramps and Precision. It will harmonize with FOTP-3 and IEC 60794-1-22, Method F1.

Work continues on ANSI/TIA-598-E Optical Fiber Color Coding.

IEC published 60793-2-50 SM document; TR42.12 is developing an adaption document for a possible June 2019 vote submission.

### **2.3.8 TR-42.13 – Passive Optical Devises and Fiber Optic Metrology**

Greg Sandels presented 2019-01-040.

TR-42.13 resolved comments and approved FOCIS 604-19 (CS connector) for a committee ballot.

TR-42.13 reviewed the IEC Optical Interfaces document structure. It is an ongoing strategy for the IEC structure to be adopted in TIA.

TR-42.11, 12, and 13 propose a 2-day block for all three subcommittees, preferably Wed & Thursday, with them running concurrently – one subcommittee will start when the other ends. TIA will provide the proper details and text for compliance to be presented at the next meeting.

## **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-5017 Physical Network Security Standard for inclusion of content to be included in a new ISO/IEC standard 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

- None

#### **3.1.3 Other output documents**

There were no other output documents.

### **3.2 TIA Report**

David Bain announced that the next TR-42 meeting will be in Vancouver.

David also suggested that TR-42 consider meeting concurrently with other TIA committees to improve interaction between them and reduce overhead.

### **3.3 TIA PANS Update**

Subcommittee chairs, vice-chairs, secretaries, and editors are encouraged to review the TIA Procedures for American National Standards (PANS) Update 2018 (2019-01-044). TIA will provide a new template for subcommittee agendas and reports.

### **3.4 Update to Style Guide to Allow Normative References without Year**

Ray Emplit suggested in the TR-42.1 meeting that we may want to modify clause 2.3.3. of the TIA Style Guide to remove the requirement for year to be included in normative references. Committees may opt to either include or not include the year in normative references. Ray Emplit suggested that we adopt the ISO/IEC text: For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

### **3.5 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. Please submit your photos by 6 pm Thursday the week of each meeting to Greg Sandels, Henry Franc, or Jonathan Jew.

The winner of this week's photo contest is Roman Shubochkin 1.

### **3.6 Other new business**

There was no other new business.

### **3.7 Action items derived from this meeting**

- Greg Sandels to work with Marianna Kramáriková to provide the proper details and text for compliance for having a shared block on the schedule for TR-42.11, 12, and 13.
- Marianna Kramáriková to provide a new Agenda and Report template to be used by TR-42.
- Henry Franc to request in the TSSC meeting in February to modify clause 2.3.3. of the TIA Style Guide to remove the requirement for year to be included in normative references. Suggest that we adopt the ISO/IEC text: For dated references, only the edition cited applies (unless otherwise stated in the normative references). For undated references, the latest edition of the referenced document (including any amendments) applies.
- Greg Sandels to request date from IEC for 2020 General Meeting. Adjust tentative fall 2020 meeting date accordingly (tentatively Oct 5-9, 2020)
- Marianna Kramáriková to announce location for the September meeting and propose 2020 locations by the June TR-42 meeting.

## **4 Upcoming meetings**

### **4.1 June 10 – 14, 2019 – Vancouver, Canada**

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

- September 16 - 20, 2019 – Providence, Boston, Savannah, Albuquerque

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

Meeting dates for 2020 are:

- Jan 27-31, 2020
- June 8-12, 2020
- Tentatively Oct 5-9, 2020 pending date for IEC general meeting in 2020-

Marianna Kramáriková to announce location for the September meeting and propose 2020 locations by the June TR-42 meeting

### **4.3 Meeting schedule for June 2019**

The meeting schedule for June will be developed via correspondence.



## 5 Adjournment

The meeting was adjourned at 10:06 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](mailto: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	<a href="mailto:remplit@harger.com">remplit@harger.com</a>	(610) 273-2648
Greg Sandels, Vice Chair	<a href="mailto:gsandels@ofsoptics.com">gsandels@ofsoptics.com</a>	(770) 798-2036
Jonathan Jew, EDC & Secretary	<a href="mailto:jew@j-and-m.com">jew@j-and-m.com</a>	(415) 292-7734