



## **Approved by General Counsel**

TR-42 Meeting Report

Date(s): 10/16/2015 - 10/16/2015

Location: Denver, CO

Approved: 11/13/2015

## 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 16, 2015, 8:00 AM – noon

**Location:** Magnolia Hotel Denver  
818 17th St, Denver, CO 80202

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### 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 sub-element 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), including but not limited to all competition and antitrust laws. Participation in, or attendance at, any activity of a TIA Formulating Group or any subelement thereof, also constitutes acceptance of and agreement to 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
Franc, Henry	Belden	Jahani, Hamid	JGR Optics
Keller, David	Berk-Tek	Montstream, Cindy	Legrand
Silveira, Jeff	BICSI	Dearing, Mark	Leviton
Polland, Joe	CommScope	Woodman, Brad	Molex Inc.
Kolesar, Paul	CommScope	Forbes, Diane	NW Info Services
Larsen, Wayne	CommScope	Sexton, Glenn	NW Info Services
Shariff, Masood	CommScope	Kinard, Michael	OFS
Alley, Chad	Corning	Lounsbury, Bob	Rockwell/ODVA
Withey, James	Fluke Networks	Corke, Mike	Siemon
Kuniyoshi, Cristina	Furukawa	Born, Steve	Superior Essex
Emplit, Ray	Harger	West, Tim	Superior Essex

Garza, Eduardo	Hitachi	Vaden, Sterling	Surtec Industries
Pivonka, Ed	Ideal Industries	Ehredt, Allen	Telegartner
Jew, Jonathan	J&M Consultants	Maguire, Val	The Siemon Co

### 1.3 Approval of agenda

The meeting agenda (TR42-2015-10-127a) 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
2015-06-106	TR-42 Closing Plenary Meeting Report Quebec	TR-42	Jew
2015-10-117	TSB-184-A to BICSI Codes Subcommittee Administrative Ballot Summary	TR-42	Emplit
2015-10-118	Liaison Letter to NFPA CMP 16 Administrative Ballot Comments Resolved	TR-42	Emplit
2015-10-119	TSB-5017 to IEEE 802.3bz Administrative Ballot Comments Resolved	TR-42	Emplit
2015-10-120	Comments to First Revision 4643-NFPA 70-2015 for the 2017 NEC Administrative Ballot Summary	TR-42	Emplit
2015-10-123	Document Status Example	TR-42	Emplit
2015-10-124	TIA ECOP Meeting Report Requirements Update	TIA	Palangdao
2015-10-127a	TR-42 Closing Plenary Agenda Denver	TR-42	Emplit
2015-10-147	TR-42 Operational Guide Edition 11 Draft v4	TR-42	Sandels
2015-10-148	TR-42.1 Closing Plenary Review	TR-42.1	Emplit
2015-10-149	TR-42.3 Closing Plenary Review	TR-42.3	Franc
2015-10-150	TR-42.5 Closing Plenary Review	TR-42.5	Kish
2015-10-151	TR-42.6 Closing Plenary Review	TR-42.6	Jew
2015-10-152	TR-42.7 Closing Plenary Review	TR-42.7	Larsen
2015-10-153	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
2015-10-154	TR-42.10 Closing Plenary Review	TR-42.10	Franc

2015-10-155	TR-42.11 Closing Plenary Review	TR-42.11	Kolesar
2015-10-156	TR-42.12 Closing Plenary Review	TR-42.12	Kinard
2015-10-157	TR-42.13 Closing Plenary Review	TR-42.13	Sandels
2015-10-158	TR-42.16 Closing Plenary Review	TR-42.16	Harger
2015-10-162	Public Comments to NEC 2017 First Revision FR 4643	Harger	Emplit
2015-10-163	TR-42 Leadership List Revised 2015-10-15	TIA	Palangdao

### 1.6 Meeting report review and approval (TR42-2015-06-106)

The meeting report from the June, 2015 meeting in Quebec City (2015-06-106) was approved without objection.

### 1.7 Election results for odd-numbered subcommittees

The results of the odd-number subcommittee elections follow (see 2015-10-163 for the new leadership list):

Subcommittee	Chair	Vice-Chair
TR-42.1	Henry Franc, Belden	Joseph Cody, Corning
TR-42.3	Cindy Montstream, Legrand	Jonathan Jew, J&M Consultants
TR-42.5	Diane Forbes, NW Information Services	Ron Tellas, Panduit
TR-42.7	Wayne Larsen, CommScope	Sterling Vaden, Surtec Industries
TR-42.9	Bob Lounsbury, Rockwell Automation	Brad Woodman, Molex
TR-42.11	Paul Kolesar, CommScope	David Mazzaresse, OFS Optics
TR-42.13	Greg Sandels, OFS Optics	Dan Morris, Kitco

### 1.8 Reminder – elections for TR-42 and even-numbered subcommittees at January meeting

The chair reminded the attendees that TR-42 and even numbered subcommittees will have elections at the February Meeting in New Orleans. Members require a letter of support from their company, a letter of interest from the member, and a short resume

### 1.9 Review of administrative ballots conducted since the June meeting

The chair reviewed administrative ballots conducted since the June meeting. See documents 2015-10-117, 2015-10-118, 2015-10-119, 2015-10-120, and 2015-10-162.

### 1.10 Appreciation of service

There was a round of applause by TR-42 in appreciation for the service of Paul Kish from Belden who will be retiring.

There was a round of applause by TR-42 in appreciation for the service of Tim West of Superior Essex, who won't be attending future TIA meetings.

## **2 Old business**

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

No additional liaison letters were received after the opening plenary.

### **2.2 Revision of TR-42 operational guide**

Greg Sandels reviewed the status of the TR-42 Operational Guide Revision 11.

TR-42 voted unanimously to approve the TR-42 Operational Guide Revision 11 draft 4 (TR-42-2015-10-147).

### **2.3 Subcommittee reports and plenary action**

#### **2.3.1 TR-42.1 – Generic Telecommunications Cabling and Premises Cabling**

Ray Emplit presented TR42-2015-10-148.

ANSI/TIA-568.0-D and ANSI/TIA-568.1-D were published between the June and October TR-42 meetings as their default ballots closed without technical comments or no votes.

A motion was made and unanimously approved to publish ANSI/TIA-862-B.

TIA-5017 will be issued for a second default ballot. TR-42 unanimously agreed to publish TIA-5017 if there are no technical comments or no votes

TR-42.1 approved the project request to revise TIA-942-A, the new document to be named TIA-942-B.

#### **2.3.2 TR-42.3 – Telecommunications Pathways and Spaces**

Henry Franc presented TR42-2015-10-149.

A joint task group led by Masood Shariff was formed to explore the impact of DTE power on pathway planning and selection and to explore how administration can assist in the planning and administration of PoE. Interested parties to contact Jonathan Jew to join the task group.

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

Tim West presented TR42-2015-10-150 on behalf of Paul Kish.

#### **2.3.4 TR-42.6 – Telecommunications Infrastructure and Equipment Administration**

Jonathan Jew presented TR42-2015-10-151.

TR-42.6 approved a default ballot for TIA-606-B-1 (AIM). TR-42 unanimously agreed to publish TIA-606-B-1 if there are no technical comments or no votes.

### **2.3.5 TR-42.7 – Telecommunications Copper Cabling Systems**

Wayne Larsen presented TR42-2015-10-152.

A motion was made and approved without objection to send the new draft of TIA-1152-A to IEC TC 46 WG 9.

TR-42.7 approved a default ballot for ANSI/TIA-568-C.2-1, category 8 cabling. TR-42 did not approve publication if the default ballot closes prior to the interim TR-42.7 meeting in December due to the potential need to support 50GBase-T. However, TR-42.7 may opt to approve publication in the December TR-42.7 interim meeting in Miami.

TR-42.7 approved a default ballot for ANSI/TIA-1183-1, category 8 testing.

TR-42.7 expressed their appreciation to Paul Kish and Tim West for their service.

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

Brad Woodman presented TR42-2015-10-153.

### **2.3.7 TR-42.10 - Sustainable Information Communications Technology**

Glenn Sexton presented TR42-2015-10-154.

The subcommittee requests direction from TIA regarding continued support for the work of the subcommittee, because the STEP foundation is dormant. If there is support, then TR-42.10 recommends changing TIA-5011 (sustainability for ICT manufacturers) from a standard to a TSB. Otherwise, work on TIA-5011 will stop.

### **2.3.8 TR-42.11 – Optical Fiber Systems**

Paul Kolesar presented TR42-2015-10-155.

The subcommittee canceled the project for a TSB on Loss Budgets. No progress has been made and no TSB number assigned since the project was initiated in 2011.

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

Mike Kinard presented TR42-2015-10-156.

A motion was made and unanimously approved to publish FOTP-25 (TIA-455-25D) cable impact test.

New projects include:

- FOTP-104 revision - cable cyclic flex
- FOTP-234 revision – change of temperature for fiber

### **2.3.10 TR-42.13 – Passive Optical Devices and Fiber Optic Metrology**

Greg Sandels presented TR42-2015-10-157.

A motion was made and unanimously approved to publish TIA-604-18 (MPO 2x16).

A motion was made and unanimously approved to publish TIA-604-5-E (MPO - PN-3-3957-RV5)

### **2.3.11 TR-42.16 – Premises Bonding and Grounding**

Cindy Montstream presented TR42-2015-10-158 on behalf of Mark Harger.

A motion was made and unanimously approved to publish ANSI/TIA-607-C.

## **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**

- TIA-569-D (for 14763-2 Edition 2 Ad Hoc in January)

#### **3.1.2 BICSI**

- TSB-162-A
- TSB-5018 draft after incorporation of ballot comments

#### **3.1.3 IEEE 802.3 and other SDOs**

No documents for IEEE 802.3

The following documents were approved to be sent to IEC TC 45 WG 9

- TIA-1152-A after revision

#### **3.1.4 Other output documents**

Outgoing Liaisons (approved above):

- Send TIA-1152-A to IEC TC 45 WG 9 via liaison or via TAG
- Send TIA TSB-162-A and TSB-5018 (after incorporation of ballot comments) via liaison letter.

### **3.2 Interim meetings reports**

Any actions taken by any interim meeting of a TR-42 subcommittee shall be reported in the subsequent TR-42 closing plenary meeting.

### **3.3 Program of work documentation**

The TR-42 reviewed a sample program of work that could be created for each subcommittee (2015-10-123). Ray Emplit to review the adequacy of the current TIA reporting system to be used as a program of work, as there was no support for additional reporting by subcommittee chairs.

### **3.4 FTP access for non-TIA member Task Group participants**

TR-42 discussed the potential need and options to provide FTP access for non-TIA member Task Group participants.

### **3.5 New meeting report requirements**

TR-42 reviewed new meeting report requirements (2015-10-124).

### **3.6 New business**

#### **3.6.1 Hotels**

There was a discussion about increasing hotel rate limits beyond \$200 per night. There was no consensus on increasing the limit.

#### **3.6.2 Other new business**

There was no other new business.

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

- TIA (Germaine Palangdao) to provide direction regarding continued support for STEP and whether or not TIA-5011 should continue as a TSB or be canceled.
- Prepare output documents and any required liaison letters.
- Ray Emplit to review the adequacy of the current TIA reporting system to be used as program of work.
- Ray Emplit and Germaine Palangdao to investigate options to provide FTP access for non-TIA member Task Group participants.
- Germaine to investigate the options if we are unable to meet our obligation regarding the number of registered hotel guests.

## **4 Upcoming meetings**

### **4.1 Next meeting**

The next TR-42 meeting will be January 25 – 29, 2016, New Orleans, LA.

### **4.2 Subsequent meetings**

- June 13 – 17, 2016: Portland, OR
- October 3 – 7, 2016: Philadelphia, PA

### **4.3 2017 meeting dates and locations**

The subcommittee discussed potential locations for meetings in 2017:

- February 6-10, 2017: Downtown San Diego, Palm Springs/Indian Wells
- June 12-16, 2017: Toronto, Quebec, or Montreal
- October 2-6, 2017: Boston/Cambridge, Charleston (South Carolina)

## **5 Schedule for next meeting**



The Committee reviewed the draft schedule for the next meeting it will be posted after the meeting.

**6 Adjournment**

The meeting was adjourned at 10:14 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](mailto: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	<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