

**Approved by General Counsel**

TR-42 Meeting Report

Date(s): 09/22/2017 - 09/22/2017

Location: Las Vegas, NV

Approved: 10/03/2017

## 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, September 22, 2017, 8:00 AM – noon

**Location:** Rio All Suite Hotel  
3700 W Flamingo Rd  
Las Vegas, NV 89103

### 1 Administration

#### 1.1 Call to order

The chair, Ray Emplit, 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:

<b>Attendee</b>	<b>Company</b>	<b>Attendee</b>	<b>Company</b>
Bernal, Ivan	Experior Labs	Larsen, Wayne	CommScope
Borgman, Michael	Panduit	Lounsbury, Bob	ODVA
Born, Steve	Superior Essex	Montgomery, Stephanie	TIA
Buchter, Shelly	US Conec Ltd.	Montstream, Cindy	Legrand
Dearing, Mark	Leviton	Morris, Dan	KITCO
Ehredt, Allen	Telegartner	Ninomiya, Tiger	SENKO
Emplit, Ray	Harger, Inc.	Pelletier, Antoine	Intertek
Forbes, Diane	NIS	Saab, Nicolas	Wirewerks
Franc, Henry	Belden	Samamra, Raed	Prysmian Group
Gastle, Ed	Viavi Solutions	Sandels, Greg	OFS

Huedepohl, Konstantin	SOFTING	Sexton, Glenn	NIS
Irwin, Phillip	Panduit	Shariff, Masood	CommScope
Ivans, Randy	UL LLC	Shuman, Brian	Belden
Jew, Jonathan	J&M Consultants	Silveira, Jeff	BICSI
Jones, Cameron	Rockwell-ODVA	Stafford, Vicki	Intertek
Jones, Rich	Datacom Stds Cons	Tassone, Anthony	UL LLC
Judson, Ward	Pentair/CADDY	Tellas, Ron	Belden
Khan, Naved	Hubbell	Vaden, Sterling	Surtec Industries
Kinard, Michael	OFS	Valentukonis, David	The Siemon Co
Kolesar, Paul	CommScope	Withey, James	Fluke Networks
Kuniyoshi, Cristina	Furukawa	Woodman, Brad	Molex Inc.

### 1.3 Approval of agenda

The revised meeting agenda (TR42-2017-09-141a) 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
2017-06-117a	Closing Plenary Report Quebec June 2017	TR-42	Jew
2017-09-125	Incoming Liaison from IEEE 802.3 re TIA-568.5 Draft 0.3	IEEE 802.3	Law
2017-09-126	Outgoing Liaison Letter to ICEA	TR-42.7	Larsen
2017-09-127	Outgoing Liaison to IEEE 802.3 re Connectors and Topologies for Single-pair Applications	TR-42.7	Larsen
2017-09-128	Outgoing Liaison Letter to Others on Single Pair	TR-42.7	Larsen
2017-09-129	Outgoing Liaison to IEC SC 86B WG6	TR-42.13	Sandels
2017-09-130	Outgoing Liaison to IEC SC 65C JWG10 on Single Pair	TR-42.9	Woodman
2017-09-141a	TR-42 Closing Plenary Agenda Las Vegas	TR-42	Emplit
2017-09-152a	NFPA Pubic Input Task Group Report	TR-42	Shariff
2017-09-163	TIA Report	TIA	Montgomery
2017-09-164	TIA QuEST Merger Press Release	TIA	Montgomery

2017-09-165	TR-42.1 Closing Plenary Review	TR-42.1	Franc
2017-09-166	TR-42.3 Closing Plenary Review	TR-42.3	Montstream
2017-09-167	TR-42.5 Closing Plenary Review	TR-42.5	Forbes
2017-09-168	TR-42.7 Closing Plenary Review	TR-42.7	Larsen
2017-09-169	TR-42.9 Closing Plenary Review	TR-42.9	Lounsbury
2017-09-170	TR-42.11 Closing Plenary Review	TR-42.11	Kolesar
2017-09-171	TR-42.12 Closing Plenary Review	TR-42.12	Kinard
2017-09-172	TR-42.13 Closing Plenary Review	TR-42.13	Sandels
2017-09-176a	2019 Meeting Dates	TR-42	Emplit

## 1.6 Meeting report review and approval

The meeting report from the June 2017 meeting (TR42-2017-06-117a) was approved without objection.

## 1.7 Subcommittee election results

- TR-42.1 - Joseph Cody of Corning was elected Chair and Diane Forbes of NIS was 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 elected Chair and Diane Forbes of NIS was elected as Vice-Chair.
- TR-42.7 - Sterling Vaden of Surtec America was elected Chair and Wayne Larsen of CommScope was elected as Vice-Chair.
- TR-42.9 - Brad Woodman of Molex was elected Chair and Bob Lounsbury of Rockwell was elected as Vice-Chair
- TR-42.11 - Paul Kolesar of CommScope was re-elected as the Chair and Phil Irwin of Panduit was elected as Vice-Chair.
- TR-42.13 - Greg Sandels of OFS was re-elected as Chair and Dan Morris of Kitco was elected as Vice-Chair.

The committee expressed its appreciation to Mike Kinard for his service to TIA.

## 2 Old business

### 2.1 Liaison letters received since the opening plenary

TR-42 reviewed the incoming liaison from IEEE 802.3 re TIA-568.5 draft 0.3 (2017-09-125). No action is required.

### 2.2 Revision to TR-42 Operating procedures for liaison officers and reports

The chair recommends no changes to the procedures and will remove the item from future agenda.

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

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

Henry Franc presented TR42-2017-09-165.

Joseph Cody was elected Chair and Diane Forbes was elected Vice-Chair of TR-42.1.

Comments were resolved on TIA-568.1-D (Commercial) addendum 1. The next ballot will be a 2<sup>nd</sup> default ballot with approval to publish if there are no technical or negative votes.

Comments were resolved on TIA-570-D (Residential). The next ballot will be a 3<sup>rd</sup> industry ballot.

TIA-758-C (Outside Plant) project is approved and is awaiting the draft for the first ballot.

TIA-862-B-1 (Intelligent Buildings) default ballot closed without any negative votes or technical comments. It was approved by TR-42.1 for publication.

TIA-4966-1 (Education) addendum 1 default ballot closed without any negative votes or technical comments. It was approved by TR-42.1 for publication.

Work continues on Places of Assembly. Those interest in participating in the Places of Assembly Task Group are requested to contact Cindy Montstream  
Cindy.Montstream@legrand.us

Work continues within the single-pair task group on two addenda relating to use cases and topologies for single-pair

- ANSI/TIA-568.0-D-2 generic cabling
- ANSI/TIA-862-B-2 intelligent buildings

The revised name and scope for TR-42.1 was discussed and will be finalized in the next meeting.

A new project was approved for an addendum to TIA-568.0 regarding 28 AWG cords.

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

Cindy Montstream presented TR42-2017-09-166.

Cindy Montstream was re-elected as Chair and Jonathan Jew was re-elected as Vice-Chair.

Comments were resolved on TIA-569-D (Pathways & Spaces) addendum 2 on pathways and spaces for remote powering. The next ballot will be an industry ballot.

TR-42 approved the revised name and scope developed by TR-42.3:

- Name: TR-42.3 Telecommunications Administration, Pathways, Spaces, Bonding and Grounding

- Scope: The TR-42.3 Subcommittee develops and maintains standards for telecommunications administration, pathways, spaces, bonding and grounding.

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

Diane Forbes presented TR42-2017-09-167.

Ron Tellas was elected as Chair and Diane Forbes elected as Vice-Chair.

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

Wayne Larsen presented TR42-2017-09-168.

Sterling Vaden was elected Chair and Wayne Larsen was elected Vice-Chair of TR-42.7.

Comments were resolved on ANSI/TIA-568.2-D (revision to TIA-568.C-2). The next ballot will be a default ballot.

A committee ballot was authorized for TSB-184-A-1, installation guideline for power delivery over 28 AWG cord cable. There is also a task group to convert TSB 184-A to a normative document.

TR-42.7 drafted a liaison to IECA regarding Single-Pair Cabling Standards (2017-09-126).

TR-42.7 drafted a liaison to IEEE 802.3 regarding connectors and topologies for single pair applications (2017-09-127).

TR-42.7 drafted liaison regarding single pair applications with identical wording to five other organizations (TR50, CABA, IOT consortium, IEEE 802.24.2, and ODVA) (2017-09-128).

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

Bob Lounsbury presented TR42-2017-09-169.

Brad Woodman was elected as Chair and Bob Lounsbury elected as Vice-Chair.

ANSI/TIA-PN1005-A-2 (Performance requirements for 1G four pair industrial cables and cabling supporting 1000BASE-T for MICE2 and MICE3 environments) has been posed for 45-day 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 project will be merged with the project originally intended as ANSI/TIA-1005-A-4 (1-Pair use cases & topologies for industrial premises).

TR-42.9 drafted a liaison to IEC SC 65C JWG10 on Single Pair (2017-09-130)

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

Paul Kolesar presented TR42-2017-09-170.

Paul Kolesar was re-elected as Chair, Phil Irwin was elected as Vice-Chair.

Contributions for TIA-568.3-D addendum 1 were presented. Content from each were accepted and incorporated into a draft to be submitted for the first committee ballot to close in time for the next meet. Content of the addendum includes:

- Use of OM5 name
- Use of OS1a name
- Color for OM5 connecting hardware (lime green)
- Connecting hardware color definitions
- Reference-grade to standard-grade loss allocation
- MPO testing

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

Mike Kinard presented TR42-2017-09-171.

The industry ballot for FOTP-95 (absolute power) is open.

TIA-598-D-1 (Additional Colors for Fibers 13-16) industry ballot comments were partially resolved. Comment resolution will continue by correspondence and teleconference.

TIA-598-D-2 (addendum for OM5 lime green jacket color) committee ballot comments were resolved. The next ballot is another industry ballot.

A new project was authorized to revise TIA-4920000-B (generic for fiber) this is the first step in the revision of the TIA-492 series. The eventual goal is the adapt the IEC specifications, but it requires restructuring of the TIA-492 series.

FOTP-48 (cladding diameter) reaffirmation ballot was authorized with approval to publish if there are no technical comments or negative votes.

FOTP-234 (change of temperature) adoption of 60793-1-52 is authorized for ballot with approval to publish if there are no technical comments or negative votes.

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

Greg Sandels presented TR42-2017-09-172.

Greg Sandels was re-elected as Chair and Dan Morris was re-elected as Vice-Chair.

Comments were resolved on FOTP 171B. The next ballot will be another committee ballot.

TR-42.13 approved a new project for the CS connector as another FOCIS document. There are no current plans to incorporate this connector into the premises standards.

TR-42.13 drafted a liaison to IEC SC 86B WG6 regarding IEC-61754-7-1 and IEC-61754-7-2 (2017-09-129)

## **2.4 NEC Public Input Task Group**

Masood Shariff reported on the progress of the NEC Public Input Task Group (2017-09-152a) in the opening plenary. There was no action required for the closing plenary.

## **2.5 TIA Report**

Stephanie Montgomery presented the TIA Report (TR42-2017-09-163) and noted that the TIA QuEST Merger Press Release has been posted (2017-09-164).

## **2.6 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**

No documents will be sent to USTAG to ISO/IEC JTC 1 SC 25 WG 3:as there will be another TR-42 meeting before the next WG 3 meeting.

#### **3.1.2 IEEE 802.3 and other SDOs**

The following documents were approved to be sent to IEEE 802.3

- None other than outgoing liaison 2017-09-127).

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

Outgoing Liaisons approved:

- liaison to IECA regarding single-pair (2017-09-126)
- liaison to IEEE regarding single-pair (2017-09-127)
- liaison regarding single pair applications with identical wording to five other organizations (TR50, CABA, IOT consortium, IEEE 802.24.2, and ODVA) (2017-09-128)
- liaison to IEC SC 65C JWG10 on Single Pair (2017-09-130)
- liaison to IEC SC 86B WG6 regarding IEC-61754-7-1 and IEC-61754-7-2 (2017-09-129)

## **3.2 Discussion of meeting costs**

Starting with 2018, TIA will review proposed locations with TR-42 prior to selection of the venue with Chair, Vice-Chair, Wayne Larsen, James Withey.

## **3.3 Other new business**

There was no other new business.

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

Ray Emplit – liaison to IECA regarding single-pair (2017-09-126)

Ray Emplit – liaison to IEEE regarding single-pair (2017-09-127)

Ray Emplit – liaison regarding single pair applications with identical wording to five other organizations (TR50, CABA, IOT consortium, IEEE 802.24.2, and ODVA) (2017-09-128)



Ray Emplit - liaison to IEC SC 65C JWG10 on Single Pair (2017-09-130)

Ray Emplit – liaison to EC SC 86B WG6 regarding IEC-61754-7-1 and IEC-61754-7-2 (2017-09-129)

Ray Emplit – add agenda item for February 2018 closing plenary to consider changing the schedule for elections of officers

Joe Cody – TR-42.1 determine revised name and scope of TR-42.1

Stephanie Montgomery - Starting with 2018, TIA will review proposed locations with TR-42 prior to selection of the venue with Chair, Vice-Chair, Wayne Larsen, James Withey.

Even numbered subcommittees (TR-42 and TR-42.12) will have elections at the next meeting

## **4 Upcoming meetings**

### **4.1 January 29 – February 2, 2018: Orlando**

### **4.2 Subsequent meetings**

- June 11 – 15, 2018: Pittsburgh likely
- October 1 – 5, 2018: Phoenix or Seattle suggested

Starting with the 2018 meetings TIA is requested to review proposed locations with TR-42 prior to selection of the venue.

### **4.3 2019 meeting dates (tentative)**

Ray Emplit presented TR42-2017-09-164 regarding meeting dates for 2019. TR-42 agreed on the following meeting dates for 2019. The finalized dates were posted in TR42-2017-09-164a.

- January 23 -Feb 1, 2019
- June 10 – 14, 2019
- September 16-20, 2019 (TBD)

### **4.4 Meeting schedule for January/February 2018**

The meeting schedule for Jan/Feb will be the same as this week’s meeting.

In the future, the Vice-Chair and subcommittee chairs will target completion of the meeting schedule within a month of the closing plenary.

## **5 Adjournment**

The meeting was adjourned at 9:51 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