

**Approved by General Counsel**

TR-42 Meeting Report

Date(s): 02/06/2015 - 02/06/2015

Location: Tucson, AZ

Approved: 03/17/2015

## 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, February 6, 2015, 8:00 AM – noon

**Location:** Sheraton Tucson Hotel & Suites  
5151 East Grant Road  
Tucson, AZ 85712

### IMPORTANT NOTICE OF PARTICIPATION

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#### 1 Administration

##### 1.1 Call to order

The chair, Ray Emplit, called the meeting to order at 8:00 AM

##### 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
Ehredt, Allen	Telegartner	Kuniyoshi, Cristina	Furukawa
Kountz, Dennis	DuPont Chemours	Larsen, Wayne	CommScope
Seader, Aron	TE Connectivity	Maguire, Val	The Siemon Co
Alley, Chad	Corning	Mitcheltree, Tom	US Conec
Born, Steve	Superior Essex	Montstream, Cindy	Legrand
Dearing, Mark	Leviton	Palangdao, Germaine	TIA
Emplit, Ray	Harger, Inc.	Pivonka, Ed	Ideal Industries Inc
Farfan, Nelson	The Siemon Co	Polland, Joe	TE Connectivity
Forbes, Diane	NW Info Services	Sandels, Greg	OFS
Hess, Dave	CORD DATA	Schmalzigaug, Thomas	Huber+Suhner AG
Jahani, Hamid	JGR Optics	Sexton, Glenn	NW Info Services
Jew, Jonathan	J&M Consultants	Shariff, Masood	CommScope

Judson, Ward	ERICO	Swanson, Steven	Corning
Kikendall, Morgan	TE Connectivity	Vaden, Sterling	Vaden Enterprises
Kinard, Michael	OFS	West, Tim	Superior Essex
Kish, Paul	Belden	Withey, James	Fluke Networks
Kolesar, Paul	CommScope	Woodman, Brad	Molex Inc.

### 1.3 Approval of agenda

The meeting agenda (TR42-2015-02-012a) was approved as amended 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
2014-10-130a	TR-42 Closing Plenary Meeting Report Austin	TR-42	Jew
2015-02-012	TR-42 Closing Plenary Agenda Tucson Feb 2015	TR-42	Emplit
2015-02-030	TR-42.1 Closing Plenary Review	TR-42.1	Emplit
2015-02-031	TR-42.3 Closing Plenary Review	TR-42.3	Franc
2015-02-032	TR-42.5 Closing Plenary Review	TR-42.5	Kish
2015-02-033	TR-42.6 Closing Plenary Review	TR-42.6	Jew
2015-02-034	TR-42.7 Closing Plenary Review	TR-42.7	Larsen
2015-02-035	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
2015-02-036	TR-42.10 Closing Plenary Review	TR-42.10	Franc
2015-02-037	TR-42.11 Closing Plenary Review	TR-42.11	Kolesar
2015-02-038	TR-42.12 Closing Plenary Review	TR-42.12	Kinard
2015-02-039	TR-42.13 Closing Plenary Review	TR-42.13	Sandels
2015-02-040	TR-42.16 Closing Plenary Review	TR-42.16	Harger
2015-02-043	TIA Project Request Form 2015 02	TIA	Palangdao
2015-02-044	PAR Use of Installed Cabling for 2.5G & 5GBaseT	TR-42.7	Larsen
2015-02-045a	Outgoing Liaison to 802.3 re 2.5G & 5G PAR	TR-42.7	Larsen

2015-02-046a	Outgoing Liaison to 802.3 re DC Resistance Unbalance	TR-42.7	Larsen
2015-02-047	Chap 2 of Final EESCC Roadmap	TIA	Palangdao
2015-02-048	Gaps Identified in Chapter 2 of EESCC	TIA	Palangdao
2015-02-049a	PAR for 1G cabling for E2 and E3	TR-42.9	Woodman
2015-02-050a	PAR for 1G industrial cabling for one pair Type B	TR-42.9	Woodman
2015-02-051a	Outgoing Liaison to IEEE 802.3 re 1G cabling for E2 and E3	TR-42.9	Woodman
2015-06-052	PAR for revision of TIA-604-5 MPO FOCIS	TR-42.13	Kolesar
2015-02-053	PAR FOTP-231v2	TR-42.13	Sandels
2015-02-054	PAR TSB on polarity with two fiber rows	TR42.11	Schmalzigaug
2015-02-055	TR42 Consensus	TIA	Palangdao
2015-02-056	TR42 Consensus Example	TIA	Palangdao
2015-02-057	Draft Meeting Schedule Quebec Jun 8 - 12 2015	TR-42	Emplit

## **1.6 Meeting report review and approval (TR42-2014-10-130a)**

The meeting report from the October, 2014 meeting in Austin (2014-10-130a) was approved without objection after three editorial errors (two spelling and one grammar) were corrected (the new meeting report was resubmitted to TIA legal for approval and posted as TR42-10-130b)

## **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 provided an update regarding progress of the TR-42 operational guide task group. Changes to the operational guide will be decided at the June closing plenary in Quebec.

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

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

Ray Emplit presented TR42-2015-02-030.

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

Jonathan Jew presented TR42-2015-02-031 provided by Henry Franc.

A motion was made and approved without objection to publish ANSI/TIA-569-D.

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

Paul Kish presented TR42-2015-02-032.

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

Jonathan Jew presented TR42-2015-02-033.

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

Wayne Larsen presented TR42-2015-02-034.

A motion was made and consensus was approved (7 yes -2 no – 14 abstain) for a new project request for a TSB Guidelines for the use of Installed Cabling to Support 2.5GBASE-T and 5GBASE-T (TR42-2015-02-044).

A motion was made and approved without objection to publish TSB-5019 (high speed applications).

A motion was made and approved without objection to send the Outgoing Liaison to 802.3, granting Ray Emplit or his agents editorial license to modify as needed, regarding the PAR for the TSB Guidelines for the use of Installed Cabling to Support 2.5GBASE-T and 5GBASE-T (TR42-2015-02-045a).

A motion was made and approved without objection to send the Outgoing Liaison to 802.3, granting Ray Emplit or his agents editorial license to modify as needed, regarding Pair-to-Pair DC Resistance Unbalance (TR42-2015-02-046a).

A motion was made and approved without objection to send the TR-42.7 documents to SDOs. The approved documents and SDOs are listed in 3.4.1 and 3.4.2 below.

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

Brad Woodman presented TR42-2015-02-035.

A motion was made and approved without objection to for a new project request for a TIA-1005 Addendum on four pair industrial cables and cabling supporting 1000BASE-T for MICE2 and MICE3 environments (TR42-2015-02-049a).

A motion was made and approved without objection to for a new project request for a TIA-1005 Addendum on industrial cabling for one pair Link Segment Type B, 1000BASE-T1 including MICE2 and MICE3 environments (TR42-2015-02-050a).

A motion was made and approved without objection to send the Outgoing Liaison to 802.3, granting Ray Emplit or his agents editorial license to modify as needed, regarding the PAR for one pair industrial cables and cabling supporting 1000BASE-T including MICE2 and MICE3 environments (TR42-2015-02-051a).

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

Glenn Sexton presented TR42-2015-02-036.

A motion was made and approved without objection to publish ANSI/TIA-4994.

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

Paul Kolesar presented TR42-2015-02-037.

A motion was made and approved without objection to for a new project request for a TSB - Polarity of cords and connectivity methods employing connector plugs containing two rows of fibers (2015-02-054).

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

Mike Kinard presented TR42-2015-02-038.

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

Greg Sandels presented TR42-2015-02-039. The PARS TR42-2015-02-053 and TR42-2015-02-054 are revisions to existing publications and don't require TR-42 plenary approval.

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

Cindy Montstream presented TR42-2015-02-040.

## **2.4 Other old business**

There was no other old business.

## **3 New business and output documents**

### **3.1 New PARS form posted in /TR-42/TR-42\_MAIN/Public/Forms and Admin**

Germaine Palangdao introduced the new PARS form (TR42-2015-02-043) which is posted in the Forms and Admin subfolder of the TR-42\_MAIN public FTP folder.

### **3.2 ANSI Energy Efficiency Standardization Coordination Collaborative (EESCC) and TR-42**

Germaine Palangdao presented Chapter 2 of the Final EESCC Roadmap (TR42-2015-02-047) and Gaps Identified in Chapter 2 of the EESCC (TR42-2015-02-048)

### **3.3 Recording Consensus Votes**

Germaine Palangdao reviewed the TIA PANS definition for consensus and an example for recording consensus votes (TR42-2015-02-55 & TR42-2015-02-56)

### **3.4 Output documents**

#### **3.4.1 US TAG to ISO/IEC JTC 1/SC 25/WG 3**

- TIA-568C.2-1 (Category 8)
- TIA-862-B
- TIA-569-D
- TIA-606-B-1
- TIA-1005-A-1
- TIA-568-C.4
- TSB-184-A

### **3.4.2 IEEE 802.3 and other SDOs**

The following documents were approved to be sent to IEEE 802.3:

- TIA-568C.2-1 Cat 8 draft to IEEE 802.3, IEC SC48B, IEC TC46, and ICEA
- TIA 1183-1 draft to IEC SB48B and IEC TC46
- TSB-5019 to IEEE 802.3

### **3.4.3 Other output documents**

Outgoing Liaisons (approved above):

- Outgoing Liaison to 802.3 regarding the PAR for the TSB Guidelines for the use of Installed Cabling to Support 2.5GBASE-T and 5GBASE-T (TR42-2015-02-045a).
- Outgoing Liaison to 802.3 regarding Pair-to-Pair DC Resistance Unbalance (TR42-2015-02-046a)
- Outgoing Liaison to 802.3 regarding the PAR for one pair industrial cables and cabling supporting 1000BASE-T including MICE2 and MICE3 environments (2015-02-051a).

## **3.5 New business**

### **3.5.1 Other new business**

There was no other new business.

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

- None

## **4 Upcoming meetings**

### **4.1 June 8 – 12, 2015: Quebec, Canada**

### **4.2 Subsequent meetings (tentative)**

- October 12 – 16, 2015: Denver, CO
- January 25 – 29, 2016, Jacksonville, FL, or New Orleans, LA (tentative)
- June 13 – 17, 2016: Portland, OR (tentative)
- October 3 – 7, 2016: Philadelphia, PA (tentative)

## **5 Schedule for next meeting**

The Committee reviewed the draft schedule for the next meeting (TR42-2015-02-55). The revised schedule was posted as TR42-2015-06-058.

## **6 Adjournment**

The meeting was adjourned at 10:21 AM.

This meeting was conducted in accordance with the TIA Legal Guidelines found in the TIA Procedures for American National Standards.

**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