

**Approved by General Counsel**

TR-42 Meeting Report

Date(s): 02/04/2013 - 02/04/2013

Location: Palm Springs, CA

Approved: 02/19/2013

## MEETING REPORT – OPENING PLENARY

**Organization:** TIA TR-42 Engineering Committee on Telecommunications Cabling Systems

**Chair:** Bob Jensen – Fluke Networks, (512) 514-7760

**Vice Chair:** Valerie Maguire – The Siemon Company, (602) 228-7943

**Date:** Monday, February 4, 2013

**Location:** Hilton Palm Springs  
400 East Tahquitz Canyon Way  
Palm Springs, CA 92262

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### 1 Administration

#### 1.1 Call to order

Chair Bob Jensen called the meeting to order at 8:58 AM.

#### 1.2 Attendance (introductions, roster)

The attendees introduced themselves and registered attendance using the on-line system. Attendees:

Name	Company
Daniel Cronch	3M
Loni Le Van-Etter	3M
Henry Franc	Belden Networks Division
Paul Kish	Belden Networks Division
Julie Roy	CommScope Network Solutions
Masood Shariff	CommScope Network Solutions
Chad Alley	Corning Incorporated
Ward Judson	ERICO Inc
Ray Keden	ERICO Inc
Robert Jensen	Fluke Networks
Cristina Kuniyoshi	Furukawa Industrial S.A.
Paul Chevalier	Google

Jason Lewis	Hitachi Cable America
Shadi AbuGhazaleh	Hubbell Premise Wiring
Aleksandar Opacic	Huber+Suhner
Rich Jones	Ideal Industries
Ed Pivonka	Ideal industries
Jonathan Jew	J&M Consultants, Inc
Stephen Huffaker	JPMorgan Chase & Co
Robert Steele	JPMorgan Chase & Co
Brad Woodman	Molex Inc
Mike Sheldon	NetIG
Dave Hess	Nexans
James Withey	Nexans
Glenn Sexton	Northwest Information Services
Ray Emplit	OBO Bettermann
Bob Lounsbury	ODVA/Rockwell Automation
Mike Kinard	OFS
Sterling Vaden	Optical Cable Corporation
Cindy Montstream	Ortronics
Arvind Patel	Psiber Date Pte Ltsd
Nelson Farfan	The Siemon Company
Val Maguire	The Siemon Company
Joe Pollard	TE Connectivity
Herb Congdon	TIA
Germaine Palangdao	TIA
Anthony Tassone	Underwriters Laboratories

### 1.3 Agenda review and approval

The meeting agenda (TR42-2013-02-013a) was approved without objection.

### 1.4 Intellectual property rights (early disclosure policy)

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

TIA's patent policy can be found in the TIA Engineering Manual (5th edition). Participants in the work of the TIA Formulating Group are urged to review this policy. Participants are encouraged to notify TIA of any patents of which they are aware that are related to the practice of a TIA publication early on in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. Patent searches are not required to comply with the TIA IPR policy. Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to practice TIA publications and for members to provide an indication of their willingness to license any known patents.

## 1.5 Distribution of documents and contributions

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

Document	Title	Company	Contributor
TR42-2013-02-013a	TR-42 Opening Plenary Agenda Palm Springs Feb 4 2013	TR-42	Jensen
TR42-2013-02-015	TR-42.16 Opening Plenary Preview	TR-42.16	Harger
TR42-2013-02-016	TR-42 Standards Status	TIA	Palangdao
TR42-2013-02-017	TR-42.6 Opening Plenary Preview	TR-42.6	Huffaker
TR42-2013-02-018b	TR-42.1 Opening Plenary Preview	TR-42.1	Emplit
TR42-2013-02-019	TR-42.3 Opening Plenary Preview	TR-42.3	Franc
TR42-2013-02-020	TR-42.12 Opening Plenary Preview	TR-42.12	Kinard
TR42-2013-02-021	TR-42 Opening Plenary Report	TR-42	Jensen
TR42-2013-02-024	IEC SC86A Liaison Report	US TAG	Kinard
TR42-2013-02-025	Incoming Liaison Letter from INCITS T11.2	INCITS T11.2	Palkert
TR42-2013-02-028	Network Security Task Group Report	Network Security TG	Shariff
TR42-2013-02-029	Proposed Network Security Standard Draft 0.3c	Network Security TG	AbuGhazaleh
TR42-2013-02-030	TR-42.9 Opening Plenary Preview	TR-42.9	Woodman
TR42-2013-02-031	TR-42.10 Opening Plenary Preview	TR-42.10	Roy
TR42-2013-02-032	TR-42.7 Opening Plenary Preview	TR-42.7	Vaden
TR42-2013-02-033	ISO IEC JTC1 SC25 WG3 Liaison Report	US TAG	Hess
TR42-2013-02-035	TR-42.11 Opening Plenary Preview	TR-42.11	Kolesar
TR42-2013-02-036	BICSI Standards Liaison Report	BICSI	Silveira
TR42-2013-02-037	IEEE 802.3 Liaison Report	IEEE 802.3	DiMinico
TR42-2013-02-038	TR-42.13 Opening Plenary Preview	TR-42.13	Knehr
TR42-2013-02-039	TR-42.5 Opening Plenary Preview	TR-42.5	Kish

## 1.6 Chair's report and general items

Chair Bob Jensen presented the Chair's Report (TR42-2012-10-156).

## 2 Old Business

### 2.1 Liaison letters received

#### 2.1.1 Fibre Channel INCITS T11.2

Chair Bob Jensen reported that a liaison letter had been received from INCITS T11.2 (TR42-2013-02-025) declining to participate in TR-42 activities related to multimode fiber dispersion compensation.

## **2.2 Liaison reports**

### **2.2.1 IEEE 802.3**

Paul Kish presented TR42-2013-02-037. During the report the following additional information was provided:

- The call for interest regarding 4-pair power over Ethernet may affect TSB-184. While the TSB includes guidelines for 4-pair power, it is possible that the outcome of the IEEE 802.3 work may involve higher power than was considered in the TSB.
- Bob Lounsbury reported that the system under consideration by the Reduced Twisted-Pair Gigabit Ethernet PHY Task Group might require a single, unsheathed twisted pair. Mr Lounsbury further reported that the work of the Task Group is focused on automotive applications with a 15 m maximum channel length.
- The maximum channel length of 30 m adopted by the Next Generation BASE-T Study Group was a result of the TR-42.7 channel length survey.
- The call for interest regarding minimum latency is in response to the needs of some industrial control and other control systems.

### **2.2.2 ISO/IEC JTC 1/SC 25/WG 3 (US TAG)**

Dave Hess presented TR42-2013-02-033.

Mr Hess added that the Twisted-Pair Cabling for 40Gb/s ad hoc was considering two different solutions, one similar to that being developed by TR-42.7 (category 8) and a second category 7A cabling.

Ray Keden reported on the work of the Bonding ad hoc:

- The first draft of ISO/IEC 30129 was based on the CENELEC earthing and bonding standard and represented a very “bare bones” system.
- The ad hoc, which was formed during the September WG 3 meeting, met twice since that meeting.
- There is now a third draft of the document. Changes include limiting the scope to bonding only and inclusion of material from ANSI/TIA-607-B.
- Some of the content of the resulting standard might be incorporated in the next revision of ANSI/TIA-607-B. This could include an evaluation process to be used before deciding what type of bonding system to specify and the use of multiple conductors for the TBB.

### **2.2.3 ODVA/SC65C JWG 10**

There were no reports for ODVA or IEC SC65C.

### **2.2.4 IEC SC86A**

Mike Kinard presented TR42-2012-10-172.

### **2.2.5 IEC SC86B**

There was no report for IEC SC86B.

### **2.2.6 IEC SC86C**

There was no report for IEC SC86C.

### **2.2.7 Fibre Channel**

There was no liaison report for Fibre Channel.

### **2.2.8 SCTE**

There was no SCTE liaison report.

### **2.2.9 BICSI**

Bob Jensen presented TR42-2013-02-036.

### **2.2.10 NFPA**

Bob Jensen reported that in the 2014 *National Electrical Code*<sup>®</sup>:

- The major changes appear to occur in Article 645 which addresses information technology equipment (data centers) and a new Article 646 on modular data centers.
- Corrections were made in Article 725 to ensure that a minimum of a riser rated cable is used when installing cables between floors.
- Cable routing assemblies are included in the code.

### **2.2.11 TIA**

Germaine Palangdao reported that she was working on the following issues:

- Cleanup of the membership data base.
- A new meeting registration process, first used for this week's meetings, which will add in data base maintenance.
- ANSI compliance issues.
- Meeting planning. Ms Palangdao requested that TR-42 provide dates and location for meetings in 2014 and 2015 so that planning could begin.
- Clearing the backlog and increasing transparency in the standards administration process. Ms Palangdao asked subcommittee chairs to review TR42-2013-02-016 and report any errors to her.

## **3 New business & output documents**

### **3.1 Subcommittee work items for this week**

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

Ray Emplit presented TR42-2013-02-018b.

#### **3.1.2 TR-42.2 – Residential Telecommunications Infrastructure**

There was no report for TR-42.2. The subcommittee will not meet during these meetings.

#### **3.1.3 TR-42.3 – Telecommunication Pathways and Spaces**

Henry Franc presented TR42-2013-02-019.

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

Paul Kish presented TR42-2013-02-039.

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

Steve Huffaker presented TR42-2013-02-017.

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

Sterling Vaden presented TR42-2013-02-032.

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

Brad Woodman presented TR42-2013-02-030.

### **3.1.8 TR-42.10 – Sustainable Information Communications Technology**

Julie Roy presented TR42-2013-02-031.

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

Mike Kinard presented TR42-2013-02-035.

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

Mike Kinard presented TR42-2013-02-020.

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

Mike Kinard presented TR42-2013-02-038.

Committee Chair Bob Jensen will meet with Subcommittee Vice Chair Helmut Knehr concerning the vacant Chair position for the Subcommittee. This position will be filled during the regular elections to be held at the October meeting.

TR-42.13 will not meet in June.

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

Rich Jones presented TR42-2013-02-015.

## **3.2 Output documents to be reviewed at the closing plenary**

This topic was deferred to the closing plenary.

## **3.3 Other**

### **3.3.1 Network Security Task Group**

Masood Shariff presented TR42-2013-02-028.

Following discussion, Committee Chair Bob Jensen requested that the Task Group provide recommendations for which subcommittee(s) should continue development of material being developed by this Task Group. Mr Jensen further requested that the Task Group stop developing content in early May so the results could be posted in time for review before the June meetings. A special meeting will be scheduled on Monday afternoon during the June meetings to consider this matter.

### 3.4 Action items derived from this meeting

Subcommittee chairs should meet with Germaine Palangdao to review TR42-2013-02-016.

Chair Bob Jensen will schedule a meeting on Monday afternoon during the June meetings to consider the work of the Network Security Task Group.

### 3.5 Next meeting and interim meetings

This topic was deferred to the Closing Plenary meeting.

## 4 Adjournment

The meeting was adjourned at 11:15 AM.

The meeting was conducted in accordance with the TIA Legal Guide and TIA Engineering Manual.

### AVAILABILITY OF MEETING DOCUMENTS:

All meeting attendees are instructed to download contributions and other meeting documents from the TIA TR42MAIN 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 TR42.3 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 meeting report should be submitted in writing to:

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