# <u>Approved by General Counsel</u>

TR-42 Meeting Report

Date(s): 10/05/2012 - 10/05/2012

Location: Philadelphia, PA

Approved: 10/17/2012

# MEETING REPORT – CLOSING 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:** **Friday, October 5, 2012**

**Location:** **DoubleTree by Hilton Hotel Philadelphia Center City**
**237 S Broad St**
**Philadelphia, PA 19107-5686**

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## IMPORTANT NOTICE OF PARTICIPATION

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## 1 Administration

### 1.1 Call to order

Chair Bob Jensen called the meeting to order at 8:01 AM.

### 1.2 Attendance (introductions, roster)

The attendees introduced themselves and registered attendance using the on-line system. Quorum was verified by roster call. Attendees:

| Name | Company |
|---|---|
| Paul Kish | Belden Networks Division |
| Paul Kolesar | CommScope Network Solutions |
| Julie Roy | CommScope Network Solutions |
| Masood Shariff | CommScope Network Solutions |
| Chad Alley | Corning |
| Joseph Cody | Corning |
| Peter Pondillo | Corning |
| Ward Judson | ERICO, Inc |
| Ray Keden | ERICO, Inc |
| Robert Jensen | Fluke Networks |
| Mark Harger | Harger, Inc |
| Michael Ressl | Hitachi Cable America |

| Glenn Kierstead | Hubbell |
|---|---|
| Aleksandar Opacic | Huber+Suhner |
| Jonathan Jew | J&M Consultants, Inc |
| Stephen Huffaker | JPMorgan Chase & Co |
| Mark Dearing | Leviton |
| Brad Woodman | Molex Inc |
| Dave Hess | Nexans |
| James Withey | Nexans |
| Glenn Sexton | Northwest Information Services |
| Ray Emplit | OBO Bettermann |
| Michael Kinard | OFS |
| Sterling Vaden | Optical Cable Corporation |
| Cindy Montstream | Ortronics |
| Val Maguire | The Siemon Company |
| Patrick Van Vickle | Sumitomo Electric Lightwave |
| Tim West | Superior Essex |
| Helmut Knehr | Telcordia Technologies |
| Hank Smith | Telnet Consulting |
| Herb Congdon | TIA |
| Marianna Kramarikova | TIA |

## 1.3 Agenda review and approval

The meeting agenda (TR42-2012-10-152a) 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.

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### 1.5 Distribution of documents and contributions

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

| Document | Title | Company | Contributor |
|---|---|---|---|
| TR42-2012-06-063 | TR-41 Incoming Liaison Letter | TR-41 | Whitesell |
| TR42-2012-06-138 | TR-42 Closing Plenary Meeting Report Dallas June 8 2012 | TR-42 | Emplit |
| TR42-2012-10-152a | TR-42 Closing Plenary Agenda Philadelphia Oct 5 2012 | TR-42 | Jensen |
| TR42-2012-10-158 | Incoming Liaison from Tri-Services Electrical and Telecommunications Working Group | Tri-Services Electrical and Telecommunications Working Group | Skroban |
| TR42-2012-10-179 | TR-42.10 Closing Plenary Review | TR-42.10 | Roy |
| TR42-2012-10-180 | New Project Request Standard for Sustainable Information Communications Technology | TR-42.10 | Roy |
| TR42-2012-10-181 | TR-42.2 Closing Plenary Review | TR-42.2 | Emplit |
| TR42-2012-10-182 | TR-42.6 Closing Plenary Review | TR-42.6 | Huffaker |
| TR42-2012-10-184 | TR-42.16 Closing Plenary Review | TR-42.16 | Harger |
| TR42-2012-10-185 | TR-42.9 Closing Plenary Review | TR-42.9 | Woodman |
| TR42-2012-10-186 | TR-42.3 Closing Plenary Review | TR-42.3 | Franc |
| TR42-2012-10-187 | Outgoing Liaison Letter to INCITS T11.2 | TR-42 | Jensen |
| TR42-2012-10-188 | TR-42.13 Closing Plenary Review | TR-42.13 | Knehr |
| TR42-2012-10-189 | TR-42.11 Closing Plenary Review | TR-42.11 | Kolesar |
| TR42-2012-10-190 | TR-42.1 Closing Plenary Review | TR-42.1 | Emplit |
| TR42-2012-10-191 | TR-42.12 Closing Plenary Review | TR-42.12 | Kinard |
| TR42-2012-10-192 | TR-42.5 Closing Plenary Review | TR-42.5 | Kish |
| TR42-2012-10-193 | TR-42.7 Closing Plenary Review | TR-42.7 | Vaden |
| TR42-2012-10-194 | Outgoing Liaison Letter to IEEE 802.3 | YT-42.7 | Vaden |

### 1.6 Meeting report review and approval

The meeting report for the June 8, 2012, meeting (TR42-2012-06-138) was approved without objection.

### 1.7 Chair's report and general items

Chair Bob Jensen reported that he felt this week's meetings went well and that much was accomplished.

### 2 Old business

### 2.1 Liaison letters received since the opening plenary

No liaison letters were received after the opening plenary meeting on June October 1.

## 2.2  Subcommittee reports and plenary action

### 2.2.1  TR-42.1 – Generic Telecommunications Cabling and Premises Cabling

Ray Emplit presented TR42-2012-10-190.

The report included mention of the pending issuance of a default ballot for ANSI/TIA-942-A-1 (data center fabrics).  A motion to approve publication of this addendum if no negative votes or technical comments are received was approved without objection.

### 2.2.2  TR-42.2 – Residential Telecommunications Infrastructure

Ray Emplit presented TR42-2012-10-181.

While the report suggested that TR-42.2 should be considered dormant, TR-42 Chair Bob Jensen directed that the Subcommittee, while skipping the February meeting, should probably meet in June to consider the impact of the upcoming revision of the ANSI/TIA-568-C series on ANSI/TIA-570-C.

### 2.2.3  TR-42.3 – Telecommunication Pathways and Spaces

Glenn Sexton presented TR42-2012-10-186.

The report included mention of the pending issuance of a default ballot for ANSI/TIA-569-C-1 (revised temperature and humidity requirements).  A motion to approve publication of this addendum if no negative votes or technical comments are received was approved without objection.

Mr Sexton expressed his thanks to Fred Skroban of the Tri-Services Electrical and Telecommunications Working Group for his articulate and well-thought-out correspondence concerning new terminology and other issues with ANSI/TIA-569-C.  See TR42-2010-10-158.

In response to a request in the report, a Task Group was formed, chaired by Henry Franc, to propose changes to the TR-42 Editors Guide that would lead to more complete documentation of changes implemented when a document (standard or TSB) is revised.

### 2.2.4  TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Paul Kish presented TR42-2012-10-192.

Ray Emplit will submit a copy of the working dictionary, incorporating the changes from this week's TR-42.5 meeting, to Marianna Kramarikova for posting to the TIA web site.

It was resolved that a Task Group would be formed to implement the comments received to the reaffirmation ballot for ANSI/TIA-440-B and to produce a draft for a revision of the standard. Ray Emplit was appointed interim chair.  Mr Emplit will invite members of TR-42.5, TR-42.11 and TR-42.12 to participate and will schedule a first meeting by conference call.

### 2.2.5  TR-42.6 – Telecommunications Infrastructure and Equipment Administration

Steve Huffaker presented TR42-2012-10-182.

### 2.2.6  TR-42.7 – Telecommunications Copper Cabling Systems

Sterling Vaden presented TR42-2012-10-193.

Mr Vaden added that two interim meetings are scheduled:

- December 4 – 5, 2012, in Miami Beach, FL.
- April in New Orleans, LA (tentative).

In response to a TR-41 liaison letter (TR42-2012-06-063), Mr Vaden will send an email to Bob Jensen who will forward it to TR-41 reminding them of comments previously submitted regarding the issue of 6-position modular plug intermatability with 8-position jacks.

An outgoing liaison letter to IEEE 802.3 regarding development of a new category of cabling to support future applications beyond 10GBASE-T (TR42-2012-10-194) was approved without objection.

### 2.2.7 TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2012-10-185.

Mr Woodman added that the End-to-End Link Task Group would await output from the Joint Modeling Task Group in ISO/IEC JTC 1/SC 25/WG 3 on this issue before proceeding. This item will be retained in the February TR-42.9 agenda so progress can be checked.

### 2.2.8 TR-42.10 – Sustainable Information Communications Technology

Julie Roy presented TR42-2012-10-179.

A motion to change the name of the Subcommittee to Sustainable Information Communications Technology was approved without objection.

A motion to set the scope of the Subcommittee to read "The TR 42.10 Subcommittee develops and maintains voluntary standards, guidelines and recommendations for sustainable information communications technology" was approved without objection after the proposed scope was modified to read "The TR 42.10 Subcommittee develops and maintains voluntary standards, guidelines and recommendations for sustainable information communications technology, with the goal to reduce long term environmental impact from technology deployment."

A project request to develop a new standard, titled "Standard for Sustainable Information Communications Technology" (TR42-2012-10-180) was reviewed and edited. The scope of the proposed standard was changed to add "with the goal to reduce long term environmental impact from technology deployment." BICSI was added to the list of stakeholders. The revised project request was approved by consensus and posted to the TR-42 FTP site after the meeting as document TR42-2012-10-180a.

### 2.2.9 TR-42.11 – Optical Fiber Systems

Paul Kolesar presented TR42-2012-10-189.

### 2.2.10 TR-42.12 – Optical Fibers and Cables

Mike Kinard presented TR42-2012-10-191.

It was determined that TR-42 approval is not needed for the issuance of ballots for TIA-455-80-C, ANSI/TIA-598-D and ANSI/TIA-455-104-A (see page 4 of TR-42.12 report).

It was determined that TR-42 approval is not needed for the issuance of ballots for the TIA-4720000-B set of standards (see page 5 of TR-42.12 report).

A motion to approve the reaffirmation of ANSI/TIA-455-12-B, ANSI/TIA-455-31-C, ANSI/TIA-455-33-B, ANSI/TIA-455-37-A, ANSI/TIA-455-39-B, ANSI/TIA-455-57-B, ANSI/TIA-455-85-A, ANSI/TIA-455-86, ANSI/TIA-455-141, ANSI/TIA-455-162-A and ANSI/TIA-455-183, provided no

negative votes or technical comments are received, was approved without objection. TR-42 approval is not required for issuance of the ballots. See page 6 of the TR-42.12 report.

A motion to approve the reaffirmation of ANSI/TIA-455-100-A and ANSI/TIA-455-131, provided no negative votes or technical comments are received, was approved without objection. TR-42 approval is not required for issuance of the ballots. See page 7 of the TR-42.12 report.

A motion to approve the reaffirmation of TIA-455-192 and TIA-455-193, provided no negative votes or technical comments are received, was approved without objection. TR-42 approval is not required for issuance of the ballots. See page 7 of the TR-42.12 report.

A motion to approve the withdrawal of ANSI/TIA-472C000-B, TIA-472D000-B, ANSI/TIA-472E000, ANSI/TIA-472F000 and TIA-472G000, provided no negative votes or technical comments are received, was approved without objection. TR-42 approval is not required for issuance of the ballots. See page 8 of the TR-42.12 report.

A motion to publish ANSI/TIA-455-122B was approved without objection. See page 8 of the TR-42.12 report.

It was determined that TR-42 approval is not needed for the project request for revisions of ANSI/TIA-455-104-A and FOTP-80. See page 9 of the TR-42.12 report.

A liaison letter to INCITS T11.2 (Fibre Channel) concerning possible transmission improvements for OM3 and OM4 optical fiber cables (TR42-2012-10-187) was approved without objection.

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

Helmut Knehr presented TR42-2012-10-188.

### 2.2.12 TR-42.16 – Premises Telecommunications Bonding and Grounding

Mark Harger presented TR42-2012-10-184.

### 2.3 Changes to TR-42 Operational Guidelines

A motion to expand clause 11.7.3 of the operational guide and separate how consensus is determined for administrative/procedural issues, project requests and document publication was approved without objection.

A motion to change the determination of consensus for administrative/procedural issues (e.g., official business on the agenda) to a simple majority was approved without objection.

A motion to change the determination of consensus for project request to a simple majority was approved by consensus.

A motion to change the determination of consensus for document publication to be as defined in the TIA Engineering Manual was approved without objection.

TR-42 Secretary Ray Emplit will revise the Operational Guide accordingly and, after review by the Chair and Vice Chair, post the revised guide to the TR-42 FTP site. Mr Emplit will also add the TR-42.10 Subcommittee scope to the guide and verify that all subcommittee scopes on the TIA web site match those in the guide.

### 2.4 Program of work

Chair Bob Jensen informed members that, since the TIA online system was now tracking document development, the program of work on the TR-42 FTP site will no longer be maintained. Subcommittee chairs were reminded that it is their responsibility to verify the revision cycles for the documents assigned to their subcommittees.

### 2.5 Network Security Task Group

This topic was covered at the opening plenary on Monday, October 1. Task Group Chair Masood Shariff invited members of the former FO-4 subcommittees to participate in the Task Group.

### 3 New business and output documents

### 3.1 Output documents

There were no additional output documents other than the liaison letters to IEEE 802.3 (see 2.2.6) and INCITS T11.2 (see 2.2.10).

### 3.2 Other

There was no other new business.

### 3.3 Action items derived from this meeting

The following action items resulted from this meeting:

- Two liaison letters to be sent (see 2.2.6 and 2.2.10).
- Operational Guide to be modified (see 2.3)

### 4 Next meeting (and interim meetings)

The next three meetings are as follows:

- February 4 – 8, 2013, in Palm Springs, CA, or Scottsdale, AZ (tentative).
- June 10 – 14. 2013, in Portland, OR (tentative). The change to the 2$^{nd}$ week of June was approved by consensus.
- October 7 – 11, 2013, in the Washington, DC, area (in conjunction with TIA 2013).

### 5 Adjournment

The meeting was adjourned at 11:00 AM.

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

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**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).

**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 contri-

butions 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:**

| Bob Jensen, Chair, TR-42 | robert.jensen@flukenetworks.com | (512) 514-7760 |
| Valerie Maguire, Vice Chair, TR-42 | valerie_maguire@siemon.com | (602) 228-7943 |
| Ray Emplit, Secretary & EDC, TR-42 | ray@obous.com | (610) 273-2648 |