



**TELECOMMUNICATIONS  
INDUSTRY ASSOCIATION**

**HEADQUARTERS**

2500 Wilson Boulevard  
Suite 300  
Arlington, VA 22201-3834  
+1.703.907.7700

**D.C. OFFICE**

10 G Street, N.E., Suite  
550 Washington, DC 20002  
+1.202.346.3240 MAIN  
+1.202.346.3241 FAX

[tiaonline.org](http://tiaonline.org)

## **Approved by General Counsel**

TR-42 Meeting Report

Date: 11/6/09

Location: Jacksonville, FL

Approved: 11/20/09

**T# 11396**

**TR-42 Telecommunications Cabling Systems**  
**CLOSING PLENARY MEETING REPORT**

**Organization:** Engineering Committee TR-42

**Chair:** Herb Congdon Tyco Electronics (336)255-0713      **Vice-Chair:** Bob Jensen Fluke Networks (512)514-7760

**Date:** Friday, November 6, 2009

**Time:** Convene at 8:00 AM; adjourn approximately 12:00 PM CDT

**Location:** Omni Jacksonville Hotel  
 245 Water Street  
 Jacksonville, FL 32202  
 Tel: 1-904-355-6664  
 Toll Free: (888)444-6664  
 Fax: 1-904-791-4812  
[www.omnihotels.com](http://www.omnihotels.com)

---

**IMPORTANT NOTICE OF PARTICIPATION - The following was reviewed with the attendees.**

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 TIA Engineering Manual 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 TIA's Senior Vice President, Standards and Special Projects on a case-by-case basis.

**1. Administrative**

**1.1** Call to Order: Meeting was called to order at 8:00AM.

**1.2** Attendance (Introductions; Roster; Quorum Call): Quorum was verified by roll call. All attendees were allowed to introduce themselves and sign the electronic roster. The following participants attended.

<b>Company</b>	<b>Name</b>
Belden	Paul Kish Henry Franc RCDD Brian Shuman RCDD
Business Comms. Svcs	M. Michelson
C <sup>2</sup> Consulting	Julie Roy, RCDD
Commscope	Paul Kolesar Masood Shariff
Corning	Jamie Silva RCDD Chad Alley
Fluke Networks	Robert Jensen, RCDD
Furukawa	Lucio Marques RCDD
Harger, Inc	Mark Harger
Ideal Industries, Inc	Ed Pivonka
Intertek Testing Services	Vicki Stafford

---

Company	Name
JPMorganChase	Steve Huffaker, RCDD
Leviton	Christine Klauck RCDD
NIS	Glenn Sexton
OCC	Sterling Vaden
OFS	Mike Kinard
Ortronics	Alex Richard
Richard Jones Consulting	Richard Jones
Siemon	Valerie Maguire
Sumitomo	Patrick Van Vickle
Superior Essex	Jean Baer
TIA	Stephanie Montgomery
Tyco Electronics	Herb Congdon
The Wiremold Company	Ray Emplit

**1.3 Intellectual Property Rights Statement (Early Disclosure):** The following was reviewed with the participants.

*TIA's patent policy can be found in the TIA Engineering Manual (4th 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.*

**1.4 Agenda Review and Approval:** The meeting agenda was unanimously approved with minor edits (-106b).

**1.5 Meeting Report from February (Mesa):** The meeting report (-102a) was unanimously approved.

**1.6 Distribution and Numbering of Documents:** Documents were posted to the FTP folders in advance of the meeting.

**1.7 Chair's Report and General Items**

**1.7.1 Optical Fiber Subcommittee Organization:** The Task Group reported there was consensus to move forward with their proposal in the SCs, therefore the task group will continue to evaluate the titles&scopes of the remaining four optical fiber subcommittees (TR-42.8, 42.11, 42.12, 42.13) and develop alternative scenarios that are precise and non-overlapping with succinct scopes to be presented at the February 2010 meeting.

**1.7.2 Subcommittee Elections & Agenda:** Congratulations to the new Chairs and Vice-Chairs of the following subcommittees:

TR-42.1: Chair: Henry Franc, Vice-Chair: Glenn Sexton

TR-42.3: Chair: Ray Emplit, Vice-Chair: Richard Jones

TR-42.5: Chair: Paul Kish, Vice-Chair: Ray Emplit

TR-42.7: Chair: Sterling Vaden, Vice-Chair: Valerie Maguire

TR-42.9: Chair: Brad Woodman, Vice-Chair: Robert Lounsbury

TR-42.11: Chair: Paul Kolesar, Vice-Chair: Dave Mazzaresse

The even-numbered subcommittees (TR-42, 42.2, 42.4, 42.6, 42.8, 42.12) and TR-42.13 will have elections in February 2010. All these subcommittee chairs were reminded to include the election announcement in their agenda for the February meeting. Nominations for the leadership positions should be submitted to TIA (T. Jenkins) and to the plenary leadership. All nominees will need to submit a statement of support from their organization, their qualifications and their objectives. The Chair noted that four subcommittees (TR-42, 42.2, 42.6 and 42.8) each have chairs at the end of their two-year term limit. The Engineering

Manual covers the election of formulating group leadership, and states that no individual shall serve more than two consecutive terms but goes on to state: that a third term can be granted with a waiver if 1) no nominations are received during the nomination process, 2) no nominations come from the floor of the meeting prior to the election and 3) at least 75% of the organizations in good standing on the quorum list attending the election meeting are in favor of the waiver.

**1.7.3** Congratulations: Marilyn Michelson was recognized for her many years of service to the TR-42 subcommittees and was wished well in her retirement.

## **2. Old Business**

**2.1 Liaison letters received since the opening plenary: None.**

### **2.2 Subcommittee reports and Plenary action**

**2.2.1** TR-42.1 – Commercial Building Cabling – Henry Franc: The first draft of 942-A was reviewed in subcommittee along with a contribution on the subject of “energy efficiency” to be inserted in the 942-A draft - the document will be issued for first mock ballot. The ballot comments on the draft 862-A Standard (BAS) were resolved and it will issue for industry ballot. All ballot comments on the MICE tutorial ballot were resolved and the plenary approved the publication as TIA-TSB-185. The committee ballot comments on the draft of the healthcare standard (to eventually be TIA-1179) were resolved and it will be issued for industry ballot. A project request was approved by the plenary to create addendum 1 to ANSI/TIA-568-C.0 to modify the references to ANSI/TIA-568-C.2 and ANSI/TIA-1152.

**2.2.2** TR-42.2 – Residential Telecommunications Infrastructure – (Ray Emplit for) John Pryma: The reaffirmation of TIA-570-B is pending a blue card filing. This issue is now resolved and it is expected to have the document released by TIA shortly.

**2.2.3** TR-42.3 – Commercial Building Telecommunications Pathways and Spaces – Ray Emplit: The 3<sup>rd</sup> PN ballot comments of both TIA-569-C and TIA-568-C.1-1 were resolved. Both documents will be issued for a 4th PN ballot.

**2.2.4** TR-42.4 - Outside Plant - Julie Roy: The group reviewed the draft IEC 60794-1-1, Guide to the installation of optical fiber cables provided by Mike Kinard (SC86A WG3). Since the document is in the ballot process in IEC, no action is taken from this subcommittee at this time. However, members that do want to participate in providing comment on this IEC draft document are encouraged to submit their comments either directly to Mike Kinard or to the US TAG. The TIA-758 2<sup>nd</sup> mock ballot comments were resolved and will be issued for committee ballot.

**2.2.5** TR-42.5 – Telecommunications Infrastructure Terms and Symbols – Paul Kish: Definitions and acronyms were updated as requested by different subcommittees. A list of symbols from TR 42.6 are now included in the working dictionary. A list of symbols from TR 42.4 will also be added. The group will wait on TIA advice regarding the possibility of maybe creating a TSB. The subcommittee will initiate a reaffirmation ballot for ANSI/TIA-440-B, which includes the existing optical fiber definitions. All subcommittee chairs and editors were reminded of their responsibility to present terms and definitions to TR-42.5 prior to publication.

**2.2.6** TR-42.6 – Telecommunications Infrastructure Administration – Steve Huffaker: An update on the progress of the ISO/IEC identifier scheme was presented by

J. Jew. Comments are requested to this subcommittee by December 4<sup>th</sup>, 2009 using the official TIA ballot form and will be resolved via conference call on December 11<sup>th</sup> (time to be determined).

- 2.2.7 TR-42.7 – Telecommunications Copper Cabling Systems – Val Maguire: The TSB-155-A, *Guidelines for the Assessment and Mitigation of Installed Category 6 Cabling to Support 10GBASE-T* ballot comments were resolved and will be issued for a default ballot. The draft 1.0 of PN-3-0382 on coaxial cabling components (to become 568-C.4) will be issued for its first committee ballot. A project request to create a new TSB on *Guidelines on Shared Pathways and Shared Sheaths* was approved by the plenary. A motion to cancel the Addendum 1 of 568-C.2 project was withdrawn recognizing the desire to retain an addendum 1, although the title and scope may be changed in the future.
- 2.2.8 TR-42.8 – Telecommunications Optical Fiber Cabling Systems – Bob Jensen: The subcommittee reviewed an update on the IEC OM4 work and created a task group on loss budgets.
- 2.2.9 TR-42.9 – Industrial Telecommunications Infrastructure – (Brad Woodhead for) Bob Lounsbury: The 2<sup>nd</sup> mock ballot comments of the draft 1005-A were resolved and will be issued for committee ballot.
- 2.2.10 TR-42.11 – Optical Fiber Systems – Paul Kolesar: The plenary unanimously approved the publication of TIA-455-243 (FOTP-243). The subcommittee is looking at adopting IEC 61280-4-1 as the revised content of SP-3-2981 (TIA 526-14 MM Cable Plant Attenuation) and is working on the revision of PN-3-0280-RV1 (revision of TSB-178, MM launch conditions).
- 2.2.11 TR-42.12 – Optical Fibers and Cables – Mike Kinard: The group is working on a new project for single-mode fiber specifications (TIA-492Cxxx – adoption of IEC 60793-2-10), on the revisions of FOTP-133, FOTP-122, FOTP-124 and TIA-472-G000. The FOTP-28, FOTP-7, and FOTP-244 documents will be issued for PN ballot.
- 2.2.12 TR-42.16 – Bonding and Grounding – Mark Harger: An EMI contribution was presented and approved to be incorporated in the new draft. The subcommittee will be issuing the committee ballot of 607-B.

### 2.3 Proposed changes to TR-42 Operational Guide

- 2.3.1 Proposal for Task Group Operational Guideline: The latest version of the Task Group Operational Guideline will be added to the TR42Main FTP in the “2010 02” folder for review as document number (-147). Comments to be submitted to Herb Congdon. It is the intention of the Chair to have this document submitted for a vote for acceptance at the February 2010 plenary meeting.
- 2.3.2 Proposal for Editor Guidelines Manual: The latest version of the Editorial Guidelines Manual (-123) is posted on the TR42Main FTP in the “2010 02” folder for review. Comments to be submitted to Julie Roy. It is the intention of the Chair to have this document submitted for a vote for acceptance at the February 2010 plenary meeting.

### 3. New Business & Output Documents

- 3.1 Output documents (other than those approved during Subcommittee reports): None.
  - 3.1.1 Contributions to US TAG, IEEE: None.
- 3.2 Other: None.
- 3.3 Action items derived from this meeting: Request to the members to review the Task

Group Operational Guidelines and the Editorial Guidelines Manual as described in 2.3.

**4. Next Meeting (and interim meetings)**

**4.1 Meeting Schedule for 2010**

**4.1.1** It was unanimously agreed that the 3 meetings schedule will remain for the year 2010.

**4.2 Meeting Schedule for 2011**

**4.2.1** Chair requested that if any schedule change proposals were to be made for the year 2011, it needs to be added to the subcommittee opening plenary preview. Proposals can be discussed during the week. A binding decision on the 2011 meeting dates will be made at the closing plenary in February 2010.

**4.3 Subsequent meeting locations**

**4.3.1** February 1-5, 2010: West - San Diego, CA or Palm Springs, CA (TBD)

**4.3.2** June 7-11, 2010: East - Alexandria or Cleveland (TBD)

**4.3.3** September 27 - October 1, 2010: Central - Albuquerque or San Antonio (TBD)

**5. Adjourn: The meeting was adjourned at 9:54AM.**

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

**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 (Teesha Jenkins: [tjenkins@tiaonline.org](mailto:tjenkins@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 TR42MAIN 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 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 TIA FTP site no later than one week following the meeting in which they are considered. Notification of the posting shall be made to the group's email reflector list by the EDC.

**DOCUMENT NUMBERS:**

All contributions are assigned a document number. To obtain a document number before the meeting, provide your name, affiliation, contribution title and corresponding agenda item to the EDC.

**Questions and Comments on this agenda should be submitted in writing to:**

Herb Congdon; Chair, TR 42	Ph: 336-255-0713	<a href="mailto:hvcongdon@tycoelectronics.com">hvcongdon@tycoelectronics.com</a>
Bob Jensen; Vice-chair, TR-42	Ph: 512-514-7760	<a href="mailto:bjensen@youraustinhouse.com">bjensen@youraustinhouse.com</a>
TR-42 EDC and Secretary: Julie Roy	Ph: 828-461-7796	<a href="mailto:c2consulting@charter.net">c2consulting@charter.net</a>