



**TELECOMMUNICATIONS
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Approved by General Counsel

TR-42 Meeting Report

Date: 2/5/10

Location: Palm Springs, CA

Approved: 3/23/10

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, February 5, 2010

Time: Convene at 8:00 AM; adjourn approximately 12:00 PM PDT
 Hyatt Regency Palm Springs
 285 N. Palm Canyon Drive
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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.

Company	Name
ADC	Stuart Reeves
Belden	Paul Kish Henry Franc RCDD
Berk-Tek	David Hess
C ² Consulting	Julie Roy, RCDD
Commscope	Paul Kolesar Masood Shariff
Corning	Jamie Silva RCDD Chad Alley
Erico	Ray Keden, RCDD
Fluke Networks	Robert Jensen, RCDD Theodore Brillhart
Furukawa	Lucio Marques RCDD
Giffels associates limited/IBI group	Peter Sharp, RCDD

Company	Name
Harger, Inc	Mark Harger
Ideal Industries, Inc	Ed Pivonka
Intertek Testing Services	Antoine Pelletier
J & M Consultants, Inc	Jonathan Jew
JPMorganChase	Steve Huffaker, RCDD
KITCO fiber Optics	Dan Morris
Molex	Brad Woodman
NIS	Glenn Sexton
OCC	Sterling Vaden
ODVA	Bob Lounsbury
OFS	Mike Kinard
Ortronics	Alex Richard Cindy Montstream
Panduit Corporation	Brett Lane
Richard Jones Consulting	Richard Jones
RIT Technology	Tzion Priav
Siemon	Valerie Maguire
Surtec America	Tim Pickles
Telcordia Technologies	Helmut Knehr
Superior Essex	Jean Baer
TIA	Teesha Jenkins Cheryl Blum
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 (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.

1.4 Agenda Review and Approval: The meeting agenda was unanimously approved with minor edits (-002a).

1.5 Meeting Report from February (Mesa): The meeting report (-148) 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 Subcommittee Elections & Agenda: Congratulations to these new or re-elected Chairs and Vice-Chairs of the plenary and subcommittees:

TR-42: Chair: Bob Jensen, Vice-Chair: Valerie Maguire

TR-42.2: Chair: Ray Emplit, Vice-Chair: Bob Jensen

TR-42.4: Chair: Julie Roy, Vice-Chair: Jamie Silva

TR-42.6: Chair: Steve Huffaker, Vice-Chair: Jonathan Jew

TR-42.8: Chair: Bob Jensen, Vice-Chair: none

TR-42.12: Chair: Mike Kinard, Vice-Chair: Brett Lane

TR-42.13: Chair: Dave Fisher, Vice-Chair: Helmut Knehr

TR-42.16: Chair: Mark Harger, Vice-Chair: Richard Jones

Also, Ray Emplit will serve as TR-42 secretary/EDC starting after the February 2010 meeting.

1.7.2 Congratulations:

1.7.2.1. The following individuals were recognized for their years of service and their dedication to the TR-42 subcommittees: Valerie Maguire, Bob Lounsbury, Brian Shuman, Dave Fisher, John Pryma, Marilyn Michelson, Stephanie Montgomery

1.7.2.2. To Jonathan Jew, the recipient of BICSI's 2010 Harry J. Pfister Award.

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 ballot comments on the draft 862-A Standard (BAS) were resolved and a default ballot will be issued. The ballot comments on the draft 568-C.0-1 addendum were resolved and a default ballot will be issued. The plenary conditionally approved the publication of 568-C.0-1 pending the closure of the default ballot without technical comments resulting in a technical change. The ballot comments on the draft healthcare standard (to eventually be TIA-1179) were resolved and a default ballot will be issued. The subcommittee started but did not complete the resolution of the ballot comments on the draft 942-A (data center) standard. An interim conference call meeting will be scheduled to continue ballot comments resolutions.

2.2.2 TR-42.2 – Residential Telecommunications Infrastructure – (Ray Emplit for) John Pryma: The TIA-570-B Standard is re-affirmed and should be available shortly. A review of the draft TIA-568-C.4 (broadband coaxial cabling) was provided. A discussion on plastic optical fiber (POF) was held - TR-42.2 would consider inclusion of POF as a recognized medium if it is developed by TR-42.8 (or other subcommittee) but at this time there are no applications (other than for cords) for this media in residences. A task group was created to study the outline for TIA-570-C. It is expected that the outline will be presented at the June 2010 meeting. The plenary approved unanimously the nomination of Roger Matthews as the liaison to SCTE. Also, the plenary approved unanimously the release of the draft 1.1 of TIA-568-C.4 to SBCA and SCTE for review.

2.2.3 TR-42.3 – Commercial Building Telecommunications Pathways and Spaces – Ray Emplit: The 4th PN ballot comments of TIA-569-C were resolved and the 5th draft will be issued for another PN ballot. The TIA-568-C.1-1 ballot comments resolution were completed and the document deemed complete, but the document was tabled until publication of 569-C. A discussion on shared pathways was held. Also, a report from the power separation task group was provided as well as a review of power separation in draft ISO/EIC 14763-2 FCD. It was offered for consideration that a joint TR-42.7, TR-42.3 and TR-42.9 meeting on power and noise separation would be worthwhile.

2.2.4 TR-42.4 - Outside Plant - Julie Roy: Due to issues with figures and copyrights, the TIA-758 draft was not released for PN ballot between November 2009 and February 2010. The final drawings were reviewed at this meeting and the new draft will be released for 1st PN ballot.

2.2.5 TR-42.5 – Telecommunications Infrastructure Terms and Symbols – Paul Kish: Definitions and acronyms were updated as requested by different subcommittees. At the request of the subcommittee, the plenary unanimously

- approved the re-affirmation of 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. At this time, the subcommittee is taking the “wait and see” approach for the draft TIA-606-B until ISO/IEC has made their decision.
- 2.2.7** TR-42.7 – Telecommunications Copper Cabling Systems – Valerie Maguire: The plenary unanimously approved the publication of the TSB-155-A, *Guidelines for the Assessment and Mitigation of Installed Category 6 Cabling to Support 10GBASE-T*. The draft 1.1 of PN-3-0382 on coaxial cabling components (to become 568-C.4) will be issued for a 2nd PN ballot. The draft 1.0 of PN-3-0359 (to be published as TSB-190) will be issued for a 1st PN ballot. The plenary unanimously approved the project request for the creation of a TSB on “Mode Conversion Parameters for Balanced Twisted-pair Cabling”. An erratum (contribution TR 42.7 - 004a) was approved for ANSI/TIA 568-C.2 updating the ICEA references in various sections. Also, TR-42.7 supports the request from TR 42.3 to release draft 1.1 of TIA-568-C.4 to SBCA and SCTE for review (this request was approved by the plenary – see clause 2.2.2. of this document).
- 2.2.8** TR-42.8 – Telecommunications Optical Fiber Cabling Systems – Bob Jensen: The plenary unanimously approved to move the work of TR-42.8 into TR-42.11 and to disband the TR-42.8 subcommittee. A Task Group to evaluate fiber topics was created and is chaired by Bob Jensen, and will move under TR-42.11. On-going work is still done by the appropriate task groups, which will also move under TR-42.11, regarding polarity and loss budget.
- 2.2.9** TR-42.9 – Industrial Telecommunications Infrastructure – Brad Woodman: The ballot comments resolution of the draft 1005-A was started but not completed. Ballot comments resolution will continue at the next meeting in June 2010. The plastic optical fiber (POF) task group presented two contributions. It was decided to request input from the TR-42 subcommittees asking about their interest in POF for their standards.
- 2.2.10** TR-42.11 – Optical Fiber Systems – Paul Kolesar: A new scope was proposed, modified and approved unanimously by the plenary. The plenary unanimously approved the project request for the revision of TIA-526-14 (adoption ballot). The plenary unanimously approved the withdrawal of TSB-178 since it will be part of the revised of TIA-526-14.
- 2.2.11** TR-42.12 – Optical Fibers and Cables – Mike Kinard: The subcommittee announced that they will not meet at the June 2010 meeting but will reconvene in September 2010. An interim conference call meeting will be schedule to review the ITU-T contributions. A new scope was proposed and the planery approved it unanimously. The group discussed PMD test method, skew testing, and the re-organization of the optical fiber subcommittees including the new scope. The FOTP-7, FOTP-28, FOTP-80, FOTP-122 and FOTP-244 documents will be issued for PN ballot.
- 2.2.12** TR-42.13 - Optical Passive Devices and Metrology - David Fisher: TR-42.13 proposed a new scope which was unanimously approved by the plenary.

2.2.13 TR-42.16 – Bonding and Grounding – Mark Harger: The plenary unanimously approved the project request for the creation of 607-B. The new draft of 607-B will be released for industry ballot. A task group was created to create a TSB on EMC. The task group is chaired by Paul Kish.

2.3 Proposed changes to TR-42 Operational Guide

2.3.1 Proposal for Task Group Operational Guideline: This document is still under construction. Please forward comments to Herb Congdon (hvcongdon@tycoelectronics.com).

2.3.2 Proposal for Editor Guidelines Manual: This document is still under construction. Please forward comments to Julie Roy (c2consulting@charter.net).

2.4 Program of work

2.4.1 It is the responsibility of the Vice-chairs to maintain the entries for their subcommittees. Modification to the program of work should be submitted to Ray Emplit (ray@emplit.com).

3. New Business & Output Documents

3.1 Units, figures, references and stewardship

3.1.1 Conversion “imperial” vs “metric”: The way it is done in the published standards is the right way and editors should continue following what was previous done. This information will be added to the Editor Guidelines Manual.

3.1.2 Figure 1 of TIA-568-C.0 will be modified to make it more generic (removing standards titles and the letter associated to the revision). It was decided that TIA-1152 will not be part of figure 1 as it is a standard on testing equipment. This information will be added to the Editor Guidelines Manual.

3.1.3 At this time, there was no support to change the stewardship. The plenary is requesting the subcommittees to validate the need for such change. This information will be added to the Editor Guidelines Manual.

3.1.4 When a Standard is build on the TIA-568-C.0, referencing 568-C.0 should be the only reference needed as this Standard has all the other references needed. This information will be added to the Editor Guidelines Manual.

3.2 Output documents (other than those approved during Subcommittee reports): None.

3.2.1 Contributions to US TAG, IEEE: None.

3.3 Other: None.

3.4 Action items derived from this meeting:

3.4.1 TR-42 Chair to consider a joint meeting of subcommittees on power separation.

3.4.2 Request to the members to review the Task Group Operational Guidelines and the Editorial Guidelines Manual as described in 2.3. Vice-Chairs to update the program of work. The editors are responsible to submit their project request to TIA via www.tiaonline.org.

4. Next Meeting (and interim meetings)

4.1 Subsequent meeting locations

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

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

5. Adjourn: The meeting was adjourned at 10:25 AM.

This meeting was conducted in accordance with the TIA Engineering Manual and 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).

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	hvcongdon@tycoelectronics.com
Bob Jensen; Vice-chair, TR-42	Ph: 512-514-7760	bjensen@youraustinhouse.com
TR-42 EDC and Secretary: Julie Roy	Ph: 828-461-7796	c2consulting@charter.net