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Approved by General Counsel

TR-42 Meeting Report

Date: 2/6/09

Location: Mesa, AZ

Approved: 3/10/09

T# 11263

TR-42 Telecommunications Cabling Systems
CLOSING PLENARY MEETING REPORT

Organization: Engineering Committee TR-42

Chair: Herb Congdon Tyco Electronics (336)665-6604 **Vice-Chair:** Bob Jensen Fluke Networks (512)514-7760

Date: Friday, February 6, 2009

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

Location: Mesa, AZ

IMPORTANT NOTICE OF PARTICIPATION

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1. Administrative

- 1.1** Call to Order: The Chair called the meeting to order at 8:01AM then reviewed the Important Notice of Participation with the attendees.
- 1.2** Attendance (Introductions; Roster; Quorum Call): The attendees were allowed to introduce themselves and sign the roster. Quorum was verified by roll call, with the following attendees present.

Company	Name
Belden	P. Kish; H. Franc
Ortronics	Cindy Montstream, RCDD
C ² Consulting	Julie Roy, RCDD
Commscope	M. Shariff; P. Kolesar
Corning	T. Hanson; C. Alley
dBi (BICSI)	Donna Ballast, RCDD
Fluke Networks	Robert Jensen, RCDD
Erico	Ray Keden, RCDD
Kitco	Dan Morris, RCDD
Harger Lighting & Grounding	M. Harger
Hubbell	S. AbuGhazaleh
J&M Consultants	J. Jew
JPMorganChase	Steve Huffaker, RCDD
NIS	Glenn Sexton
ODVA	R. Lounsbury
Fibersource	H. Bodine
ADC	Patrick Sims, RCDD
OFS	M. Kinard

Company	Name
Siemon	V. Maguire
Sumitomo	P. Vanvickle
Superior Essex	J. Pavlicek
SMP	S. Vaden
TIA	T. Jenkins
Tyco Electronics	H. Congdon; D. Fisher
Wiremold	R. Emplit

1.3 Agenda Review and Approval: The posted agenda (-005a) was unanimously approved.

1.4 Intellectual Property Rights Statement (Early Disclosure): The following was reviewed with the attendees. No one reported knowing of any patents pertinent to the standards in development.

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.

1.5 Distribution and Numbering of Documents: The documents were posted to the FTP folder and passed around on a thumb drive.

1.6 Chair's Report and General Items: The Chair delivered contribution -037 with the attendees. Several people were recognized during the week for their efforts in TR-42 and the former FO-4.

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 second addendum (temperature limits and media types) to ANSI/TIA-942 (Data Centers) were resolved and will be re-issued as a default ballot. The Plenary unanimously approved the issuing of an erratum to correct a few errors in the ANSI/TIA-942 Standard. The subcommittee resolved comments to the mock ballot of ANSI/TIA-862 (Building Automation Systems) and will issue as a first committee ballot. The plenary unanimously approved the cancelation of the healthcare cabling TSB project and unanimously approved the creation of a new standard, Healthcare Facility Telecommunications Infrastructure (-048). The subcommittee also reported a change to figure 1 of both the ANSI/TIA-568C.0 (Generic Cabling) and ANSI/TIA-568C.1 (Commercial Building) Standards, reflecting ANSI/TIA-758 (Outside Plant) as a common standard - this change will be incorporated into the published release of these documents. The Subcommittee once again asked TIA to obtain copies of IEC documents so that the MICE Tutorial TSB project can proceed.

2.2.2 TR-42.2 – Residential Telecommunications Infrastructure – (Ray Emplit for) John Pryma: The Subcommittee reported that the approved first addendum to ANSI/TIA-570-B (Residential) has been published and is now available for purchase. The Subcommittee also agreed to ballot reaffirmation of the ANSI/TIA-570-B Standard. The subcommittee created a study group to look into home theater, distributed audio & video cabling. The Plenary Chair agreed to contact TIA and John Pryma about establishing a formal liaison with CEDIA. In response to the Subcommittee's request for consideration of creating a

- coaxial cabling component standard, the Chair of TR-42.7 will evaluate TR-42.7's interest at the May interim meeting and report back to the Plenary. Another joint meeting of the Subcommittee and TR-42.12 & TR-42.13 regarding a possible MDU/MTU standard was held this week. The Subcommittee will host an interim conference call on April 23rd.
- 2.2.3** TR-42.3 – Commercial Building Telecommunications Pathways and Spaces – Ray Emplit: The Subcommittee's Green Study Group reported completion of the Stewardship paragraph. The Subcommittee completed ballot comment resolution to the first addendum (temperature limits) to TIA-569-B (Pathways and Spaces) and will issue as a default ballot. The Plenary unanimously approved the conditional (no technical changes) publication of that addendum. The Subcommittee completed the ballot comment resolution to the first addendum (pathways and spaces) to ANSI/TIA-1005 (Industrial) and will issue another industry ballot. The Plenary unanimously approved the creation of two projects - one for the third revision to TIA-569 (-045) and one for the first addendum (pathways and spaces) to ANSI/TIA-568-C.1. The Subcommittee will host two interim teleconferences on April 28 and May 21.
- 2.2.4** TR-42.4 - Outside Plant - Julie Roy: The Subcommittee reported their agreement that the ANSI/TIA-758 Standard should be a common standard and not a premises standard, and that this subject was taken into TR-42.1 for their approval to make the changes in figure 1 of ANSI/TIA-568C.0 and ANSI/TIA-568C.1. The Subcommittee reviewed the preliminary draft of ANSI/TIA-758-B and will post the revised draft document for wider review. The Subcommittee will host an interim meeting on March 26 to review any input that is received during the review period, then issue as a mock ballot.
- 2.2.5** TR-42.5 – Telecommunications Infrastructure Terms and Symbols – Paul Kish: The Subcommittee updated several entries (balance, conduit, duct, entrance room, in-floor pathway, wireless, ASTM, LPS, PD, RG), added several entries (remote power, wireline, CP, EFT, ESD, NIC, TO, lb, mF, ms, mV) and deleted one (mux). The Subcommittee is considering the inclusion of the symbols from TR-42.6 and TR-42.4 in the Working dictionary and is reviewing TIA 440-B, which has numerous fiber-specific entries, for consistency with TR 42.5 working dictionary.
- 2.2.6** TR-42.6 – Telecommunications Infrastructure Administration – Steve Huffaker: The Subcommittee agreed to provide comments on ISO/IEC NWIP for TR 14763-2-1 Identifiers via the US TAG for communication to CITG and will defer action on TIA-606-B until ISO/IEC TR 14763-2-1 is completed. The Subcommittee also agreed to hand over responsibility for symbols to TR-42.5.
- 2.2.7** TR-42.7 – Telecommunications Copper Cabling Systems – Val Maguire: The Plenary unanimously approved the conditional (no technical changes) publication of the 568-C.2 (Copper Components) Standard after comment resolution in May (ballot closes March 16) - although publication in October is still likely. TSB-184 (Current Capacity) ballot comment resolution was completed and will be issued as a default ballot and the Plenary unanimously approved the conditional (no technical changes) publication of TSB-184 after comment resolution in May. The TIA-1152 (Field Testers) committee ballot closed and will be issued as an industry ballot and the Plenary unanimously approved the conditional (no technical changes) publication of ANSI/TIA-1152
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- after comment resolution in May. The Plenary approved a project (-038) to revise TSB-155 (10G on category 6) with completion predicted in February 2010. The Subcommittee will be meeting in Indianapolis on May 5-6.
- 2.2.8** TR-42.8 – Telecommunications Optical Fiber Cabling Systems – Bob Jensen: The Subcommittee reported that the ANSI/TIA-568C.3 erratum has been published, and the purchasable copy has been corrected to reflect the erratum. The status of OM4 was provided by TR-42.12, and a contribution on array connectivity for 40G/100G was reviewed.
- 2.2.9** TR-42.9 – Industrial Telecommunications Infrastructure – Bob Lounsbury: The Subcommittee reported on the status of ANSI/TIA-1005, which is expected to be available in March. The Plenary unanimously approved a revision project for ANSI/TIA-1005 to incorporate the first addendum and to align with 568-C.0 as well as to incorporate any new technology.
- 2.2.10** TR-42.11 - Optical Fiber Systems - Paul Kolesar: The Subcommittee completed pre-ballot comment resolution on the new PMD test method, which will be FOTP-243, and issued as a committee ballot. The Subcommittee created an ad-hoc to collect information on multipath interference (MPI) in order to formulate a test method recommendation. The subcommittee proposed to adopt IEC 61280-4-1 as the revised content of TIA 526-14 (OFSTP-14 on attenuation of installed MM cabling), expecting the IEC FDIS ballot to be closed by the August meeting.
- 2.2.11** TR-42.12 - Optical Fibers and Cables - Mike Kinard: The Subcommittee will begin work on the TIA-455-C (FOTP master document) revision. The FOTP-244 Standard, temperature cycling of tubes expressed in pedestals, was issued as a second committee ballot. After a lengthy debate, some agreements on the content of TIA-492AAAD, OM4 fiber specification, will allow it to be issued as a second committee ballot. A new project was started for skew measurement, and a revision project for FOTP-204, MM bandwidth, was started.
- 2.2.12** TR-42.13 - Interconnecting Devices and Passive Components - (Dave Fisher for) Greg Sandels: The Subcommittee dissolved working groups 42.13.1 and 42.13.2 and merged them into TR 42.13. Osman Gebizlioglu (Telcordia) and Helmut Knehr (Telcordia) agreed to serve as interim co-chairs until the August meeting, when elections will be held. The Subcommittee withdrew the FOTP-241 project. FOTP-219, approved for publication in October, is not yet available. A project on Standardized Method for Measuring Guide-Pin-Bore Diameter in Multifiber Ferrules will await completion of work in the IEC. Proposed changes to FOTP-11 were discussed in the meeting and a new draft to be distributed for affirmation.
- 2.2.13** TR-42.15 - Fiber Optic Metrology - Dave Fisher: Summaries of return loss and APC round robin testing will be available at the next meeting. IEC WG4 results of round robin testing on MT ferrule physical geometry measurement and MT ferrule endface measurement algorithms were reviewed. A new project on calibration methods and associated uncertainties for MM Launch condition measurements, ORL reference standard(s) and calibration issues and PMD reference standards and associated calibration issues were proposed in the Subcommittee.
- 2.2.14** TR-42.16 - Bonding and Grounding - Mark Harger: The Subcommittee
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reviewed the Section 7 revision and design information in NECA/BICSI-607 (design info from busbar to equipment) and continued the grounding busbar investigation (performance based, alloys) with the formation of a task group. A contribution and discussion on the EMI annex content lead to the formation of a different task group. There was a lot of debate on Mesh-Bn, and another task force on supplementary grounding methods (star grounding, mesh-lbn, and ground mats). Additional content for Testing & Verification will be provided to the Subcommittee.

2.3 Proposed changes to TR-42 Operational Guide

2.3.1 Proposal for Task Group Operational Guideline: The Chair reported some proposed changes were coming to this guideline, which will be posted after for review.

2.3.2 Proposal for Editor Guidelines Manual: Bob Jensen reported some proposed changes were coming to this guideline, which will be posted after for review.

2.4 Green Initiatives: The Plenary unanimously approved a recommendation to all subcommittees that the Stewardship paragraph from the Green Task Force (TR-42.3) be incorporated into new documents and Standards moving forward.

2.5 Program of Work

2.5.1 The Chair reminded that Vice-chairs are responsible for maintaining the entries for their Subcommittee.

3. New Business & Output Documents

3.1 Output documents (other than those approved during Subcommittee reports)

3.1.1 None.

3.2 Teleconference Policy: The Chair detailed the current policy on teleconference provisions. Scheduled face-to-face Subcommittee meetings will not allow participation via teleconference. Interim Subcommittee meetings not scheduled as a face-to-face meeting may incorporate teleconferencing and web-conferencing at the Subcommittee Chair's discretion. Interim Subcommittee meetings scheduled for teleconference will, of course, allow participation via teleconferencing. Requests for specific exceptions may be brought to the Plenary Chair.

3.3 Other: None.

3.4 Action items derived from this meeting: None other than those detailed above in the meeting report.

4. Next Meeting (and interim meetings)

4.1 Subsequent meeting locations

4.1.1 Optional Meeting (TR-42.7 ONLY) - May 5-6, 2009: Indianapolis, IN

4.1.2 August 3-7, 2009: Minneapolis/St. Paul, MN (proposed)

4.1.3 November 2-6, 2009: Atlanta, GA or Orlando, FL (proposed)

5. Adjourn: The meeting was adjourned at 9:55AM.

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

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/>) and the TIA FO4 MAIN FTP site (<http://ftp.tiaonline.org/FO-4/>) 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 and FO4MAIN 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 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: 828-464-2165	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