



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-42 Meeting Report

Date: 06/08/07

Location: Halifax, Canada

Approved: 7/27/07

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MEETING REPORT

Organization: TIA TR-42 Engineering Committee on
User Premises Telecommunications Cabling

Chair: Herb Congdon — Tyco Electronics (828)464-2165

Date: Friday, June 8, 2007

Time: Convene at 1:00 PM; Adjourn approximately 3:00 PM AST

Location: Citadel Halifax
 1960 Brunswick Street
 Halifax, NS, B3J 2G7, Canada
 Phone: 1-800-565-7162; FAX 1-902-494-9319

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1 Administrative

- 1.1 Call to order: The meeting was called to order at 1:04 PM.**
- 1.2 Attendance (call quorum, introductions, circulate roster):** Attendees were welcomed by the Chair, allowed to introduce themselves and asked to sign the roster. Quorum was verified by roll call. The following individuals were present.

| | |
|--------------|---------------------------|
| P. Kish | Belden Network Division |
| D. Ballast | dbi representing BICSI |
| M. Michelson | BCS |
| J. Roy | C ² Consulting |
| R. Jones | Chatsworth Products inc. |
| R. Keden | Erico |
| R. Jensen | Fluke Networks, Inc. |
| H. Franc | HF Consulting |
| V. Rybinski | Siemon Company |
| A. Bark | Superior Essex |
| F. Otieno | TIA |
| H. Congdon | Tyco Electronics |
| R. Emplitt | Wiremold |

- 1.3 Agenda review and approval:** The agenda was reviewed and approved without objection as modified in 2007-06-046a.
- 1.4 Intellectual property rights (early disclosure policy):** The following was reviewed with the attendees.

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 Chair's report;

- The Chair's meeting on Monday night (06-04-2007) was a success. It allowed members of TR-42 and FO-4 to meet and share information.
- Some issues on the ballot handling process were covered. TR-42.7 requested an update on 568-B.2-7. The chair explained the process. It was agreed that TR-42.7 chair will follow up with TIA every 3 months, with S. Montgomery via phone.
- The Chair reminded members to recognize the importance of PN ballots and to take the time to vote on PN ballots. The PN ballot is a process that allows the draft standard to be agreed by the committee members before going out for industry ballot. TIA prefers only one SP ballot, not several, per document.

1.6 TIA's report: none.

1.7 Distribution of documents and contributions: The following contributions were posted to the ftp folders for TR-42.

| | |
|-------------|---|
| 2007-06-040 | TR42_Meeting_Report_February_2007_Houston |
| 2007-06-041 | TR-42_FO-4_June_2007_schedule |
| 2007-06-042 | IEEE liaison letter |
| 2007-06-043 | Liaison Letter from NIPP |
| 2007-06-044 | IEEE liaison letter |
| 2007-06-045 | TR 42 Opening Plenary Agenda |
| 2007-06-046 | TR 42 Closing Plenary Agenda |
| 2007-06-047 | TR 42 FO4 Plenary Opening report |
| 2007-06-048 | TR 42.2 Plenary Opening report |
| 2007-06-049 | TR 42.3 Plenary Opening report |
| 2007-06-050 | TR 42.6 Plenary Opening report |
| 2007-06-051 | Document Tracking May 2007 |
| 2007-06-052 | TR 42.1 Plenary Opening report |
| 2007-06-053 | TR 42.8 Plenary Opening report |
| 2007-06-054 | TR 42.7 Plenary Opening report |
| 2007-06-055 | BICSI Opening report |
| 2007-06-056 | CENELEC Opening report |
| 2007-06-057 | TR 42.9 Plenary Opening report |
| 2007-06-058 | ODVA Opening report |
| 2007-06-059 | US TAG Opening report |
| 2007-06-060 | IEEE Liaison report |
| 2007-06-061 | TR 42.8 Closing Plenary Review |
| 2007-06-062 | TR 42.3 Closing Plenary Review |
| 2007-06-063 | TR 42.6 Closing Plenary Review |
| 2007-06-064 | TR 42.7 Closing Plenary Review |
| 2007-06-065 | IEEE liaison letter Unmating revs accept |
| 2007-06-066 | UL Liaison PoE |
| 2007-06-067 | IEEE liaison guidance |
| 2007-06-068 | TR 42.2 Closing Plenary Review |
| 2007-06-069 | TR 42.1 Closing Plenary Review |
| 2007-06-070 | TR 42.9 Closing Plenary Review |
| 2007-06-071 | Liaison letter to SCTE and SBCA |

- 1.8 Meeting report review and approval:** The meeting report from Houston, TX (2007-02-040b) was approved unanimously.

2 Old Business

- 2.1 Liaison letters received:** none this week.

2.2 Subcommittee reports

2.2.1 TR-42.1 Commercial Building Telecommunications Cabling

- All 568-C.0 ballot comments were resolved in the subcommittee and the document will be issued for a third industry ballot.
- TR-42.1 did not review the 568-C.1 ballot comments, but will via a conference call to be held on June 28-29, 2007 from 10h to 17h EDT.
- TR-42.1 passed a motion to issue a reaffirmation ballot for the TIA-862 (BAS) standard.

2.2.2 TR-42.2 Residential Telecommunications Infrastructure

- TR-42.2 reviewed and resolved all ballot comments of the TIA-570-B (Residential) draft addendum 1 (coaxial cabling) and approved its release for second industry ballot.
- The plenary approved a TR-42.2 liaison letter to SCTE and SBCA inviting them to participate in that ballot process.

2.2.3 TR-42.3 Commercial Building Telecommunications Pathways and Spaces

- A task group in TR-42.3 is still studying the conduit fill tables.
- The industry ballot for the draft addendum 1 (industrial pathways and spaces) to the draft TIA-1005 (industrial) standard is closing after this meeting, therefore ballot comment resolution will take place in the September meeting.
- TR-42.3 established a working group to undertake the J-STD-607-A revision effort. The TR 42.3.1 working group is chaired by Mark Harger (appointed by S. Huffaker), vice-chaired by Richard Jones (appointed by M. Harger), the document editor is D. Ballast and the Secretary will be R. Emplitt.

2.2.4 TR-42.5 Telecommunications Infrastructure Terms and Symbols:

- The subcommittee worked on definitions in support of the draft 568-C.0, the draft 568-C.3 and the draft 570-B.1 documents.
- TR-42.5 agreed, in principle, to allow diagrams as part of the definitions when appropriate.

2.2.5 TR-42.6 Telecommunications Infrastructure Administration

- The TIA-606-A was reaffirmed by ballot. The plenary approved the reaffirmation without objection.
- TR-42.6 approved issuing an erratum to TIA-606-A relating a change on the color-coding of fields.
- TR 42.6 agreed to open the TIA-606-A document for initial edits in advance of beginning a revision project for this document. The editing may include content, but is not limited to the content in SP-3-4156-RV1-AD1 (administration for entrance rooms and computer rooms).
- TR-42.6 reviewed the ballot summary for SP-3-4156-AD1 - the ballot did not receive enough ballots to pass. The subcommittee resolved all but four of the

technical comments and empowered the editors to resolve the remaining comments and issue the revised draft for industry ballot.

2.2.6 TR 42.7 Telecommunications Copper Cabling Systems

- The ballot on the draft Addendum 10 of ANSI/TIA/EIA-568-B.2 closes on June 26, 2007. Ballot comments will be resolved at a TR-42.7 interim meeting scheduled for July 10 – 11, 2007 in Mystic, CT. Another interim TR-42.7 meeting is tentatively scheduled for October 30 to November 1, 2007.
- The plenary approved with minor modifications a proposed liaison letter to respond to IEEE and tell them that TIA TR-42.7 will defer to IEC SC48B, the subcommittee responsible for the IEC 60603-7 series of modular connectors, and their developing recommendations on de-mating connectors under load.
- The plenary approved with minor modifications a proposed liaison letter to respond to IEEE with TIA TR 42.7 comments on the temperature versus current specification in the 802.3af standard and to clarify guidance on de-rating recommendations.
- The plenary approved with minor modifications a proposed liaison letter to UL on bundled cabling maximum current carrying capacity specifications.
- The editor's draft of 568-C.2 will be reviewed for structure and content at the meeting in September, 2007. It is expected to have the 568-C.2 draft document out for first PN ballot between September and February, hoping to resolve the ballot comments at the February meeting 2008.

2.2.7 TR-42.8 Telecommunications Optical Fiber Cabling Systems

- TR-42.8 reviewed and resolved all comments on the second industry ballot of 568-C.3, and then approved to issue a default ballot on the 7 items resolved technically.
- TR-42.8 provided some proposed comment resolutions to TR-42.1 for consideration in the resolution of draft 568-C.0 ballot comments that were related to optical fiber.
- TR-42.8 formed a task group to revise the draft 568-C.0 annex D.
- TR-42.8 is still awaiting a reply letter from IEEE on unallocated budget for 1000BASE-SX.
- TR-42.8 reported positive feedback from the involvement of the FO-4 committee members.

2.2.8 TR-42.9 Industrial Telecommunications Infrastructure

- TR-42.9 reviewed 14 key discussion topics that were identified as a result of last balloting cycle, and reviewed and resolved the balance of the ballot comments to the draft TIA-1005 document.
- TR-42.9 agreed to issue the revised document for PN-Ballot after editors implement the comment resolution and the decisions from the key topic discussion. Because of all the significant changes to the document, a PN ballot was chosen as the process. All votes are important in the progress of this and all standards, so take the time to process your ballot.
- TR-42.9 scheduled an interim teleconference meeting on Aug, 27, 2007, from 11:00 – 17:00PM EDT to review the PN ballot comments in advance of the September meeting.

2.3 Proposed changes to TR-42 Operational Guide: The proposed operational guideline on task groups is still under review. Please forward your comments on the draft document (2007-02-014) to the TR 42 Chair (Herb Congdon) or Vice-Chair (Bob Jensen).

2.4 Program of Work: The subcommittee vice-chairs were reminded of this ongoing action item (2007-06-051). Updates for each subcommittee should be provided to the Secretary prior to the September meeting.

2.5 TR-42 Forum (Peter Sharp): Since no input was received, this agenda item will be removed from the agenda starting September 2007 meeting.

2.6 568-C Series Issues

2.6.1 Review of Definitions Decisions: Reviewed as part of the TR 42.5 report.

2.6.2 Review of TR-42.7 Decisions: Reviewed as part of the TR 42.7 report.

3 New Business

3.1 607A Revision: Reviewed as part of the TR 42.3 report.

3.2 FO-4 Co-location and Merger:

- There were many benefits of this co-location as reported by several members. It is expected that TIA staff will make the motion to merge TR-42 and FO-4 at the next TIA TC meeting. If the merger is ordered, it is expected to result in only one closing plenary meeting. The co-location for the September meeting is still expected and there will be a combined closing plenary meeting.

3.3 September Meeting Schedule: The Vice-chair proposed a meeting schedule for June. The schedule was reviewed, modified and approved and will be shared with TIA and FO-4. It was agreed to schedule one closing plenary for TR-42 and FO-4, rather than two separate meetings.

3.4 Output documents; letters; approved standards publications

- Liaison letter to SCTE and SBCA (TR 42.2) will be issued.
- IEEE liaison letter on unmating connectors under electrical load (TR 42.7) will be issued.
- UL Liaison letter on bundled cabling maximum current carrying capacity specifications (TR 42.7) will be issued.
- IEEE liaison letter on clarification on de-rating guidance (TR 42.7) will be issued.
- The ANSI/TIA-606-A was re-affirmed for publication.

3.5 Other: none

4 Next meeting

4.1 The next meeting will begin Monday, September 24th and end Friday, September 28th, 2007. The location is to be determined. The Chair will send an e-mail to the Chairs asking them to inform their members of these dates. The meeting will co-locate with the FO-4 committee.

5 Adjournment: Quorum was extended for 15 minutes without objection at 2:56 PM. The meeting was adjourned at 3:12 PM.

This meeting was conducted in accordance with the TIA Legal Guide and the 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).

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 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 to TR-42 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 TR-42 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@swbell.net |
| EDC and Secretary: Julie Roy | Ph: 828-461-7796 | c2consulting@charter.net |