



BUILDING GLOBAL COMMUNICATIONS

## Approved by General Counsel

TR-42 Meeting Report

Date: 02/09/07

Location: Houston, TX

Approved: 02/16/07

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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, February 9, 2007

**Time:** Convene at 1:00 PM; Adjourn approximately 3:00PM EST

**Location:** Hyatt Regency Hotel  
1200 Louisiana Street  
Houston, TX, 77002

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### IMPORTANT NOTICE OF PARTICIPATION

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### 1 Administrative

- 1.1 Call to order: The meeting was called to order at 1:00 PM.**
- 1.2 Attendance (call quorum, introductions, circulate roster): Attendees were welcomed by the Chair and allowed to introduce themselves and sign the roster. Quorum was verified by roll call. The following individuals were present.**

Brian Shuman	Belden Network Division
David Hess	Berk-Tek
Donna Ballast	BICSI
Marilyn Michelson	BCS
Julie Roy	C <sup>2</sup> Consulting
Richard Jones	Chatsworth Products inc.
Masood Shariff/Paul Kolesar	Commscope
Chad Alley/Tom Hanson	Corning Inc.
Bob Jensen	Fluke Networks, Inc.
Jose A. Melo	Furukawa Industrial S.A.
Steve Huffaker	JPMorgan Chase
Chris DiMinico	MC Communications
Glenn Sexton	NIS
Val Rybinski	Siemon Company
Jean Baer	Superior Essex
Sterling Vaden	SMP Data Communications
Stephanie Montgomery Marianna Kramarikova Florence Otieno	TIA
Herb Congdon	Tyco Electronics
Ray Emplitt	Wiremold

**1.3 Agenda review and approval: The agenda was reviewed and approved without objection as modified in 2007-02-008b. TR-42.7 requested to go first in the subcommittee reports.**

**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;**

- Members need to concentrate on the relevance of TIA documents, mainly the 568-C series. The Chair encouraged the members to be a part of the solution.
- Contributions 2007-02-017 and 2007-02-018 on improvement in the TR 42 meeting report and schedule, respectively, will be considered by the TR-42 chair, vice-chair and secretary.

**1.6 TIA's report: Rosters from TR-42.1, TR-42.5 and TR-42.6 have not been turned in. Please make sure these get to TIA (M. Kramarikova).**

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

06-125	TR42 Report
06-126	J-STD-607-A-Final (temporary – until January 2007)
2007-02-001	TR 42 – FO4 February 2007 Meeting Schedule
2007-02-002	PIN form for 568-C.0
2007-02-003	PIN form for 568-C.1
2007-02-004	PIN form for 568-C.3
2007-02-005	TR-42 Operation Guide
2007-02-006	IEEE liaison _ Power via MDI Enhancements
2007-02-007	TR-42 FO-4 Opening Agenda Feb 2007 Houston
2007-02-008	TR-42 Closing Agenda Feb2007 Houston
2007-02-009	TR-42.1 Plenary opening review
2007-02-010	TR-42.6 Plenary opening review
2007-02-011	TR-42.3 Plenary opening review
2007-02-012	TR-42.8 Plenary opening review
2007-02-013	Transmit Power Specifications in the FC-BaseT Draft
2007-02-014	Proposal for operational guidelines for task groups Rev 2
2007-02-015	CENELEC TC215 Liaison Report
2007-02-016	Document Tracking - January 2007
2007-02-017	Proposal for an improvement to TR42 meeting report
2007-02-018	Proposal for an improvement to TR42 meeting schedule
2007-02-019	TR-42.2 Plenary opening review
2007-02-020	TR-42 & FO4 Plenary Opening review
2007-02-021	TR-42.7 Plenary opening review
2007-02-022	TR-42.9 Plenary opening review
2007-02-023	US Tag report
2007-02-024	IEEE liaison report
2007-02-025	BICSI report
2007-02-026	IEEE 802.3 CSMA/CD WG Liaison letter
2007-02-027	TR 42.3 Plenary Closing report
2007-02-028	Document Liaison Request DIN EN 60715 2005
2007-02-029	Document Liaison Request IEC 60715 1981

2007-02-030	TR 42.8 Plenary Closing report
2007-02-031	TR 42.6 Plenary Closing report
2007-02-032	TR 42.2 Plenary Closing report
2007-02-033	TR 42.9 Plenary Closing report
2007-02-034	TR 42.7 Plenary Closing report
2007-02-035	Lubricant Liaison
2007-02-036	IEEE Liaison
2007-02-037	FC-Base-T Liaison
2007-02-038	TR 42.1 Plenary Closing report
2007-02-039	Press Release and call for interest

**1.8 Meeting report review and approval:** The meeting report from Portland, OR (2006-10-125) was approved unanimously.

## 2 Old Business

**2.1 Liaison letters received:** An IEEE liaison letter on P802.3at Power via the MDI Enhancements, a reply to liaison letter of 2006-11, was deferred to TR 42.7.

### 2.2 Subcommittee reports

#### 2.2.1 TR 42.7 Telecommunications Copper Cabling Systems

- The Plenary approved without objection the publication of ANSI/TIA/EIA-568-B.2 Addendum 7 as requested by TR 42.7.
- Comments on the draft Addendum 10 of ANSI/TIA/EIA-568-B.2 will be resolved at an interim meeting scheduled for March 27-28, 2007 in Irvine, CA. Unless revisited during the interim meeting, the next draft will be issued as a PN ballot, not SP, due to the lack of confidence in the ANSI/TIA closing date which may not allow ballot closing before the June meeting.
- The Plenary tabled until the June 2007 meeting the proposed IEEE liaison letter on cabling current capacity (plenary vote: 11F, 1O, 1AB) due to the fact that no IEEE letter was officially received prior to the meeting.
- The Plenary modified and approved (10F, 1O, 2 AB) sending a proposed reply letter on the lubricant issue to TIA for legal review prior to release, and for release after any resulting modifications.
- The Plenary modified a proposed reply letter to the T11/Fiber Channel (FC-BaseT) liaison letter and then approved unanimously its release.
- TR 42.7 reported their consensus was not to recommend reaffirmation of ANSI/TIA/EIA-854, and will report that to TR-41.
- TR 42.7 will share the draft 568-B.2 Addendum 10, and the pre-publication version of TSB-155 to the ISO WG3 US TAG.
- TR 42.7 decided to keep the permanent link and the channel requirements in 568-C.2 and to resume work on 568-C.2 once 568-B.2 Addendum 10 is in default ballot. The Plenary Chair requested the TR 42.7 Chair consider shifting the augmented category 6 focus to 568-C.2 instead of Addendum 10, as this course of action will legitimize the C.2 document publication. The TR 42.7 Chair agreed to discuss it at the TR-42.7 interim meeting in March, 2007.

#### 2.2.2 TR-42.1 Commercial Building Telecommunications Cabling

- TR-42.1 reviewed the 568-C.1 ballot comments, and then agreed to incorporate the changes into the draft and post to the FTP site.
- TR-42.1 did not review the 568-C.0 ballot comments, but will via a conference call held on March 15-16, 2007. Two presentations, relative to comments on the

effect of bend radius under load on the performance of UTP cables, were reviewed by TR-42.1 in advance of the comment resolution.

- TR-42.1 will issue the Coaxial Cable Addenda (Addendum 1 of ANSI/TIA-942) as an industry ballot.

#### 2.2.3 TR-42.2 Residential Telecommunications Infrastructure

- TR-42.2 reviewed and resolved all comments of draft addendum 1 of 570-B (coaxial cabling) and approved its release as industry ballot.
- The Plenary unanimously approved sending a draft press release regarding a call for interest in future residential work to TIA for consideration.

#### 2.2.4 TR-42.3 Commercial Building Telecommunications Pathways and Spaces

- A task group in TR-42.3 is still studying the conduit fill tables.
- TR-42.3 resolved the ballot comments and approved issuing the pathways and spaces addendum to TIA-1005 for first industry ballot. TR-42.3 will also forward the draft PN-3-4822-AD1 to the ISO WG3 US TAG.
- TR 42.3 will be forming a working group for the joint TR-41, TR-42 and ATIS NIPP (formerly T1E1) effort to revise the ANSI-J-STD-607-A-2002, Commercial Building Grounding (Earthing) and Bonding Requirements For Telecommunications standard. The working group chair is William Bush and the editor is Bob Lounsbury.

#### 2.2.5 TR-42.5 Telecommunications Infrastructure Terms and Symbols: The subcommittee worked on definitions in support of 568-B.2 Addendum 10 and the draft 568-C.3.

#### 2.2.6 TR-42.6 Telecommunications Infrastructure Administration

- The 5-year life span of the 606-A document has ended. TR-42.6 approved issuing a reaffirmation ballot for ANSI/TIA/EIA 606-A.
- TR-42.6 resolved ballot comments on Addendum 1 of 606-A. The addendum will be revised and distributed for its second industry ballot.
- A task group in TR-42.6 is investigating extending 606-A to support other types of low-voltage cabling.

#### 2.2.7 TR-42.8 Telecommunications Optical Fiber Cabling Systems

- TR-42.8 reviewed and resolved the comments on the first industry ballot of 568-C.3, and then agreed to send the revised document for second industry ballot.
- 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 and agreed on optical fiber content that will be added to the draft standard.
- TR-42.9 reported that the current ballot of TIA-1005 was extended to February 26<sup>th</sup>. TR-42.9 will continue resolving ballot comments at an interim meeting on March 20-21, 2007.
- TR-42.9 discussed the addendum on pathways and spaces and agreed to publish the document as TIA-1005 Addendum 1 concurrently with TIA 1005.

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

There was an open discussion on the proposed guidelines for task groups (contribution 2007-02-014). The Plenary Chair requested that the members review it in preparation for discussion at a chair's meeting prior to the June meeting 2007.

### 2.4 Program of Work: The subcommittee vice-chairs were reminded of this ongoing action item (2007-02-016). Updates for each subcommittee are expected prior to the June meeting.

### 3 New Business

**3.1 TR-42 Forum (Peter Sharp):** No report. Anyone interested in participating in the study of the development of a TR-42 Forum should contact Peter Sharp. This agenda item will be removed after the next meeting if no input is received.

**3.2 Task Group Guidelines (Stuart Reeves):** See clause 2.3 of this report.

**3.3 Editors Provide 1-week Warning Before Ballot Expiration:** To avoid the extension of the ballot closing date due to insufficient participation, editors should provide a 1-week warning e-mail via the reflector before ballot expiration.

**3.4 TR-41 Co-location and 607A (Bob Lounsbury):** See clause 2.2.4 of this report.

#### 3.5 Other:

##### 3.5.1 Draft 568-C Series Issues:

- Definitions: If the word is in the document, then it belongs in the definition clause of that document.

##### 3.5.2 FO-4 Co-Location:

- There were many benefits of this co-location as reported by several members. There was similar positive feedback in the FO-4 closing plenary meeting as well. The co-location for the June meeting is still expected.
- A request for all mutual access to documents in TR 42.8 and FO-4 will be taken to TIA for resolution.

##### 3.5.3 In meeting Internet Access

- Sterling Vaden volunteered to serve as the on-site network administrator for future meetings and will assist TIA in this capacity.

#### 3.6 Output documents; letters; approved standards publications

3.6.1 The use of lubricant with category 6 cables – 2007-02-035

3.6.2 IEEE Letters (The T11/Fiber Channel) – 2007-02-037

3.6.3 Press Release (TR 42.2) – 2007-02-039

3.6.4 ANSI/TIA/EIA-568-B.2 add 7 to be published

**3.7 February meeting schedule: The Vice-chair proposed a meeting schedule for June. The schedule was reviewed, modified and approved (2007-06-041) and will be shared with TIA and FO-4.**

### 4 Next meeting

**4.1** The next meeting will most likely be held in Halifax, Nova Scotia, Canada beginning Monday, June 4th and ending Friday, June 8th, 2007. We will co-locate the meeting with the FO-4 committee.

### 5 Adjournment: Meeting was adjourned at 14:51.

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](mailto: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	<a href="mailto:hvcongdon@tycoelectronics.com">hvcongdon@tycoelectronics.com</a>
Bob Jensen; Vice-Chair, TR 42	Ph: 512-514-7760	<a href="mailto:bjensen@swbell.net">bjensen@swbell.net</a>
EDC and Secretary: Julie Roy	Ph: 828-461-7796	<a href="mailto:c2consulting@charter.net">c2consulting@charter.net</a>