



BUILDING GLOBAL COMMUNICATIONS

## Approved by General Counsel

TR-42 Meeting Report

Date: 06/07/02

Location: Providence, Rhode Island

Approved: 09/06/02

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# MEETING REPORT

TR-42/02-06-058

**Organization:** ANSI Accredited Engineering Committee TR-42  
Engineering Committee on  
User Premises Telecommunications Cabling Infrastructure

**Chair:** Bob Jensen — Fluke Networks (512) 514-7760

**Date:** June 7, 2002

**Time:** Convene at 10:15 AM; Adjourn approximately 12:00 Noon

**Location:** Providence Marriott Phone (401) 272-2400  
1 Orms St. FAX (401) 273-2686  
Providence, RI 02904

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## 1. Administrative

### 1.1 Call to Order

The meeting was called to order at 10:19 AM.

### 1.2 Attendance (Quorum, Introductions and Roster)

Introductions were made. Quorum was verified by roll call. The roster was distributed and documented the attendance of the following member companies.

Avaya	Erico	Tyco
Bell Canada	Giffels	Ehvert Technology Svcs.
Berk-Tek	Hitachi	ODVA
BICSI	Nordx/CDT	3M
BCS	Siemon	

### 1.3 Agenda Review and Approval (TR-42/02-06-024a)

The agenda, as modified in -024a, was unanimously approved.

### 1.4 Approval of February 2002 Meeting Report; Ft. Lauderdale, FL (TR-42/02-06-025)

The meeting report, -025, was unanimously approved.

### 1.5 Intellectual Property Rights Statement (Early Disclosure)

*TIA's patent policy can be found in Statements of Policy and within sections of the Engineering Manual. Participants in the work of the TIA Formulating Group are urged to review the appropriate Sections. Individual participants are encouraged to notify TIA of any patents or published pending patent applications of which they are aware that may be essential to the practice of proposed TIA Publication early on in its development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will be approved. However, a member who has provided TIA with the statement set forth in ANNEX H with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patents or published pending patent applications that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Patent Policy.*

### 1.6 Distribution and Numbering of Documents

TR-42/02-06-024	Bob Jensen	Fluke Networks, Inc.	Jun '02 Agenda; Providence, RI
TR-42/02-06-025	Bob Jensen	Fluke Networks, Inc.	Feb '02 Meeting Report; Ft Lauderdale, FL
TR-42/02-06-026	Bob Jensen	Fluke Networks, Inc.	Jun '02 Liaison Agenda; Providence, RI
TR-42/02-06-027	Ray Keden	Erico	Liaison ISO/IEC 18010
TR-42/02-06-028	Wayne Larson	Avaya	Liaison ISO/IEC 11801
TR-42/02-06-029	Bob Jensen	Fluke Networks	Liaison TR-42
TR-42/02-06-030	Chris DiMinico	Mohawk/CDT	Liaison IEEE 802.3
TR-42/02-06-031	Bob Loundsbury	ODVA	Liaison ODVA; IONA
TR-42/02-06-032	Stuart Reeves	Krone	Liaison CENELEC
TR-42/02-06-033	John Pryma	Genesis Cable Sys.	TR42.2 Press Release – 570 2nd Revision
TR-42/02-06-034	Tom Rauscher	Archi-Technology	TR42.6 Press Release - Symbols

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TR-42/02-06-035	Herb Congdon	Tyco Electronics	TR42.8 Press Release – B.3 Addendum 1
TR-42/02-06-036	Bob Jensen	Fluke	TR 42.2 June Summary Report
TR-42/02-06-037	Tom Rauscher	Archi-Technology	TR42.6 June Summary Report
TR-42/02-06-038	Masood Shariff	Avaya	TR42.7 June Summary Report
TR-42/02-06-039	Herb Congdon	Tyco Electronics	TR42.8 June Summary Report
TR-42/02-06-040	Peter Sharp	Giffels Associates	TR42.9 June Summary Report
TR-42/02-06-041	Herb Congdon	Tyco Electronics	TR42.1 June Summary Report
TR-42/02-06-042	Masood Shariff	Avaya	568B.2 Errata Sheet
TR-42/02-06-043	Peter Sharp	Giffels Associates	Liaison Letter to ODVA – Test Procedures
TR-42/02-06-044	Herb Congdon	Tyco Electronics	Press Release for BAS Standard
TR-42/02-06-045	Herb Congdon	Tyco Electronics	NWIP for Addendum 4 to 568B.1
TR-42/02-06-046	Herb Congdon	Tyco Electronics	ANSI PINS for Add4 to 568B.1
TR-42/02-06-047	Vanderlaan/Hayes	Belden/Avaya	Liaison Letter to ICEA - Environmentals
TR-42/02-06-048	Paul Kish	NORDX/CDT	TR42 Meeting Schedule for Scottsdale
TR-42/02-06-049	Herb Congdon	Tyco Electronics	Press Release on 568B.3 Addendum 1
TR-42/02-06-050	Donna Ballast	BICSI	Liaison Letter on TR42.4 Questions
TR-42/02-06-051	Donna Ballast	BICSI	TR42.4 June Summary Report
TR-42/02-06-052	Chris DiMinico	Mohawk/CDT	Liaison Letter to NFPA for Document List
TR-42/02-06-053	Ray Keden	Erico	TR42.3 June Summary Report
TR-42/02-06-054	Masood Shariff	Avaya	Press Release for 568B.2 Addendum 1

**1.7 Chair's Report; General Items; Elections**

The Chair's report was delivered in the Liaison meeting earlier in the week as part of document -029.

**1.8 TIA's Report**

The TIA report was delivered in the Liaison meeting earlier in the week as part of document -029.

**2. Old Business**

**2.1 Action Item Review**

Item #	Action:	Resp:	Status:
2002-02-001	Distribute Ideal Industry Letter to TR-42 Subcommittees and ask that a call for interest and impact on work be provided at the next meeting.	Bob Jensen	Completed with -055

**2.2 Liaison Letters Received**

No new liaison letters were received. An IEEE letter from the Ethernet in the First Mile Task Group is expected and was covered as part of the IEEE liaison report, -030.

**2.3 Reports on Pending Projects, Subcommittees**

**2.3.1 TR-42.1 – Commercial Building Cabling (Herb Congdon)**

The 568B.1 Addendum 2 ballot comments were reviewed and resolved. The document will be revised and issued for second ballot. The TR-42.1.1 Working Group will be working on a draft document between now and October. It was agreed, with no opposition and one abstention, to initiate a new project and submit the NWIP and ANSI PINS forms for TIA 568B.1 Addendum 4 to recognize Cat 6 (per 568-B.2-1) and the new 50/125 (per 568-B.3-1) media in 568-B.1. Ballot will be prepared and released before the October meeting. It was unanimously agreed to submit a liaison letter from TR-42.1.1 to NFPA seeking clarification on applicable Standards for the project. It was unanimously agreed to submit to TIA a draft press

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release announcing the release of the TIA/EIA-862 Standard. It was unanimously agreed to submit to TIA a draft press release announcing the release of the TIA/EIA-568-B.3-1 Standard after final editing. Cat 7 has been placed on “wish list” for items to be considered for 568-C.1.

### **2.3.2 TR-42.2 – Residential Telecommunications Infrastructure (Bob Jensen)**

There was no interest in category 7. The 570-A Addendum on Control Cabling received 12 Approve, 2 Approve with Comments, and 2 No Comment votes. The single technical comment was resolved editorially. It was unanimously agreed to publish the Addendum. There are several items for the 570-B project, including the addenda on audio, security, and control cabling (Donna Ballast), termination of cabling within the distribution device (IDC) (John Seger), testing (e.g., Permanent Link) (Bob Jensen), administration (Jack Brube), distribution device sizing (John Seger), and coaxial cabling (Rob Wessels). The new items for 570-B include a fiber cabling review (Chad Burel), an applications table (Masood Shariff) and an installation guide (John Pryma). There will be a conference call to review the draft on August 1. It was unanimously agreed to submit to TIA a draft press release to announce that the revision process is underway.

### **2.3.3 TR-42.3 – Commercial Building Telecommunications Pathways and Spaces (Ray Keden)**

The TIA/EIA 569-B had been issued as a committee ballot, receiving 16 approve (4 with comments), 3 not approve and 5 abstentions. All technical comments were resolved. The updated draft will be sent out as a second committee ballot. It was requested that the Chair of TR-42.9 appoint a Working Group for Industrial Pathways and Spaces involving resources from TR-42.3. Electrical performance of balanced cable in conduit will be discussed in TR 42.7.

### **2.3.4 TR-42.4 – Customer-owned Outside Plant Telecommunications Infrastructure (Donna Ballast)**

A “New Issues” Task Group was formed to prepare for the second revision to the OSP Standard. There was no interest in Category 7. It was unanimously agreed to release a liaison letter to Adams Telecom in reply to questions submitted to TR-42.4.

### **2.3.5 TR-42.5 – Telecommunications Infrastructure Terms and Symbols (Peter Sharp)**

A request to reaffirm the existing definition of “telecommunications outlet/connector” will be reviewed by the subcommittees and recommendations carried forward to October. Additionally, a consideration for adding a new term “telecommunications outlet assembly” will be reviewed. TR42.6 is willing to undertake the compilation of graphic symbols. Official liaison correspondence on Imperial-to-metric conversion will be drafted for the October meeting. Efforts to maintain a reference source for unit of measure conversions resulted in two assignments – one for wires and one for elements in pathways and spaces. There were no comments to be carried to TR42 on Cat 7.

### **2.3.6 TR-42.6 – Telecommunications Infrastructure and Equipment Administration (Tom Rauscher)**

The Subcommittee did not see support or impact on TR-42.6 activities with respect to Cat 7. It was unanimously agreed to submit to TIA a draft press release announcing the publication of the 606-A Standard and publicizing the beginning effort to collect and standardize symbols.

### **2.3.7 TR-42.7 – Telecommunications Copper Cabling Systems (Masood Shariff)**

The SP-3727-B.2-AD1-B ballot received one negative ballot and 2 ballots with editorial comments were all resolved editorially. It was unanimously agreed to publish ANSI/TIA-568-B.2-1. It was unanimously agreed, with no opposition and one abstention, to submit to TIA a draft press release announcing the publication of this Addendum. It was unanimously agreed, with no opposition and one abstention, to publish SP-4426-AD4. Modifications to Annex A for the current TIA-568-B.2 will be formatted as addendum 7 to TIA-568-B.2 for the October 2002 meeting. It was unanimously agreed to issue a liaison letter to ICEA (Shariff to provide proper recipient) on environmental standards to develop guidelines for temperature, humidity, and aging of twisted pair cables. It was unanimously agreed to issue a liaison letter to Ethernet/IP to request coordination of measurement procedures for common mode attenuation (aka LCTL). There is no support for Cat 7 at the present time, but TR42.7 will add Cat 7 into the “wish list” for possible future consideration.

**2.3.8 TR-42.8 – Telecommunications Optical Fiber Cabling Systems (Herb Congdon)**  
The 568-B.3-1 Addendum was published. It was unanimously agreed to issue, after final editing, a press release announcing the publication of the new Addendum. The TSB on fiber system certification draft will be released for committee ballot. The 568-B.1-3 ballot on fiber applications closed, comments were resolved with technical changes, and will be released for second ballot. TSB 136 on array connector polarity will circulate for PN ballot. It is anticipated that a new project will be needed for a 568-B.1 Addendum to support 10Gb/s Fibre Channel application distances and loss budgets.

**2.3.9 TR-42.9 – Industrial Telecommunications Infrastructure (Peter Sharp)**  
Progress on the Industrial Standard continues. Interim meetings and teleconferences will be scheduled before October.

**2.3.10 Other**

2.3.10.1. Ideal Industries Letter (Category 7): It was unanimously agreed to let the editorial committee (including Jensen, Shariff, Kish and Hess) draft and issue a liaison letter to Ideal in response to the Cat 7 letter.

**3. New Business & Output Documents**

**3.1 Other**

None.

**3.2 Action Items Derived from this Meeting**

Item #	Action:	Resp:	Status:
2002-02-002	Coordinate TIA and US TAG efforts to include an effort to collect input for the US TAG	Bob Jensen	Open
2002-02-003	Develop a database of Liaison contacts	All (Secretary)	Open

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

**4.1 Review tentative agenda for Scottsdale, AZ, October 2002**

A request to schedule the TR-42.3 meeting on Thursday for the October meeting will be considered.

**4.2 Subsequent meetings: Unconfirmed.**

**5. Adjourn**

It was unanimously agreed to extend quorum for 15 minutes at 11:55AM. It was unanimously agreed to extend quorum an additional 15 minutes at 12:14PM. Meeting

was adjourned at 12:30PM.

**AVAILABILITY OF MEETING DOCUMENTS:**

All meeting attendees are to download contributions and other meeting documents from the TIA TR-42 FTP site (<http://ftp.tiaonline.org/TR-42/>) before the meeting. CONTRIBUTIONS THAT ARE AVAILABLE ON THE FTP SITE FIVE (5) DAYS BEFORE THE MEETING WILL NOT BE DISTRIBUTED AT THE MEETING. For information on how to access the FTP site, contact the TR-42 Electronic Document Coordinator (EDC): Herb Congdon ([hvcongdon@tycoelectronics.com](mailto:hvcongdon@tycoelectronics.com)).

**NEW CONTRIBUTIONS:**

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. Logged contributions should be provided to the EDC as electronic files at least SEVEN (7) DAYS prior to the meeting. The contributor should have an electronic copy available at the meeting for those who wish an electronic copy of the contribution. All electronic files shall be provided in either Adobe Acrobat (\*.PDF); Microsoft Word (\*.DOC); PowerPoint (\*.PPT); or Excel (\*.XLS). Compressed files shall be accessible using PKUNZIP or WINZIP (\*.ZIP).

**Notes:**

- 1) All contributions to TR-42 should include the TIA copyright release and IPS statements. A template file with these statements is available for download on the FTP site within the administration folder of TR-42MAIN.
- 2) It is not necessary to provide hard copies at the meeting for contributions submitted in the appropriate electronic format to the EDC by the 7-day deadline.
- 3) The author shall bring at least 50 copies for distribution at the meeting for contributions submitted to the EDC after the 7-day deadline.
- 4) For any submittal after the 7-day deadline, provide contributions to the EDC prior to the meeting in the appropriate electronic format for posting to the FTP site.
- 5) Contributions will not be accepted for discussion at a meeting after agenda approval or without Chair exception.

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

Bob Jensen; Chair, TR-42

[robert.jensen@flukenetworks.com](mailto:robert.jensen@flukenetworks.com)