

# Telecommunications Industries Association Standards and Technology Department

## Engineering Committee TR-42 User Premises Telecommunications Cabling Infrastructure Meeting Report

Chair: Paul Kish  
Vice-Chair: Bob Jensen, RCDD  
Secretary: Bob Jensen, RCDD

March 9, 2001  
Palm Springs Marquis  
Palm Springs, CA

### 1. Call to order (opening remarks; objectives)

#### 1a. TR-42 Chair Remarks

1. Paul Kish welcomed all of the attendees to the meeting. Paul also encouraged all chairs and editors to attend the TIA chairs and editors meeting directly after the Plenary session.

#### 1b. TIA Staff Remarks

1. Billie Zidek-Connor noted that the chairs and editors meeting will encompass about two hours of time. She also informed the Plenary that the Engineering Manual (draft 8) would be out for hopefully it's last ballot. The Engineering Manual is on the TIA WEB site should TR-42 members wish to review the manual. Comments should be sent to Paul Kish as this is for Technical Committee vote only.

### 2. Roll call and introductions; call quorum $\frac{3}{4}$ Kish/Jensen

The attendees introduced themselves and an attendance roster was distributed for participants to sign. The roll was called and a quorum declared.

#### Attendees

<b>Paul Kish</b>	<b>TR-42 Chair</b>		
	<b>NORDX/CDT</b>		
Frank Dickman	Anixter	Bob Jensen	Fluke
Masood Shariff	Avaya	Val Rybinski	Hitachi Cable Manchester
Marilyn Michelson	BCS	Joe O'Brien	Nelson Firestops
Paul Vanderlaan	Belden	Julie Roy	NORDX/CDT
Donna Ballast	BICSI	Mel Lesperance	Ortronics
Ken Chalvin	Corning Cabling	Jay Myers	Ortronics
Mark Maloney	Ehvert Technology Systems	Herb Congdon	Tyco Electronics
Ray Keden	Erico		

### 3. Review agenda and approval <sup>3</sup>/<sub>4</sub> Paul Kish

Document: TR-42/01-03-002

The Engineering Committee approved the agenda.

### 4. Intellectual property rights (early disclosure policy) <sup>3</sup>/<sub>4</sub> Paul Kish

The chair brought to the attention of the membership the TIA policy regarding patents, the use of which may be essential to a standard being considered. The full statement is contained in the meeting agenda.

### 5. Distribution and numbering of documents <sup>3</sup>/<sub>4</sub> Kish/Jensen

Document #	Media	Source	Document title
TR-42/01-03-001	Electronic	Bob Jensen	Tampa, FL Meeting Report; November '00
TR-42/01-03-002	Electronic	Bob Jensen	Palm Springs Meeting Agenda, March '01
TR-42/01-03-003	Electronic	Bob Jensen	2000 Document List
TR-42/01-03-004	Electronic	Bob Jensen	TIA Document submission PN forms on WEB
TR-42/01-03-005	Electronic	Bob Jensen	TIA Document on changing submitted titles
TR-42/01-03-006	Electronic	Bob Jensen	TIA Document on submitting for publication
TR-42/01-03-007	Electronic	Bob Jensen	TIA Document use of ANSI in title
TR-42/01-03-008	Electronic	Bob Jensen	TIA Document new PN format
TR-42/01-03-009	Electronic	Bob Jensen	BICSI Response to "Tiny TR"
TR-42/01-03-010	Electronic	Bob Jensen	Responses to SP-4722-A-1 In-Floor Systems
TR-42/01-03-011	Electronic	Mel Lesperance	Responses to PN-4156, Administration
TR-42/01-03-012	Electronic	Herb Congdon	Ballot resolution to SP-3894-AD1 (March 9)
TR-42/01-03-013	Electronic	Herb Congdon	Ballot resolution to PN-4890 (April 2)
TR-42/01-03-014	Electronic	Herb Congdon	Letter to FO-2 on 50 µm detail spec
TR-42/01-03-015	Electronic	Herb Congdon	Letter to US TAG on Polarity
TR-42/01-03-016	Electronic	Shariff/Kish	IEEE letter on ESD
TR-42/01-03-017	Electronic	Shariff/Kish	SP-4426 Ballot Resolution (568-B.2)
TR-42/01-03-018	Electronic	Shariff/Kish	Category 6 ballot resolution
TR-42/01-03-019	Electronic	Kish/Jensen	TIA Seminar
TR-42/01-03-020	Electronic	Herb Congdon	Letter to IEEE 802.3
TR-42/01-03-021	Electronic	Kish/Jensen	Meeting dates and locations 2001-2002
TR-42/01-03-022	Electronic	John Siemon	Scope of Task Group (Data Center)
TR-42/01-03-023	Electronic	John Siemon	SP-3-4425-AD; B.1 Addendum (cable bend radius)
TR-42/01-03-024		Masood Shariff	SP-3-3727 Category 6 industry ballot
TR-42/01-03-025		John Siemon	SP-3-4655 BAS industry ballot
TR-42/01-03-026		Mel Lesperance	SP-3-4156 Admin industry ballot (606-A)

### 6. Previous meeting report <sup>3</sup>/<sub>4</sub> Bob Jensen

Document: TR-42/01-03-001

The Engineering Committee approved the December 2000 meeting report.

## 7. Subcommittee reports and action items

### 7a. TR-42.1, Commercial Building Telecommunications Cabling <sup>3</sup>/<sub>4</sub> John Siemon

Documents: TR-42/01-03-022                      TR-42/01-03-025  
                  TR-42/01-03-023

1. At the last TR-42 Plenary, the motion to publish *Commercial Building Telecommunications Cabling Standard: Part 1, General Requirements* was denied until SP-4426 was ready to publish. Since SP-4426 was approved at this meeting, John Siemon made a motion to approve publishing SP-4425 as TIA/EIA-568-B.1. Letters will be sent to those that responded to the ballot confirming the resolution of comments.

**Plenary action:** The motion was unanimously approved.

2. An extensive review was made of the Building Automation Systems (BAS) draft (PN-4655) at the meeting. Resulting from the review were several homework items to be included into the draft. The Subcommittee saw fit to approve an industry ballot of the document once these few items are included. John Siemon made a motion to industry ballot (to become SP-4655) the BAS document once the few homework items are included into the draft (TR-42/01-03-025).

**Plenary action:** The motion was unanimously approved.

3. TR-42.7 had brought a proposal to TR-42.1 to proceed with an addendum on minimum bend radius for patch cable. The Subcommittee agreed with balloting the addendum. Bob Jensen will initiate a Project Request and ANSI PINs form as well as format the draft for Valerie Rybinski, the document editor. As editor, Valerie will bring the document to TR-42.7 for resolution of comments prior to the June TR-42.1 meeting. John Siemon made a motion to industry ballot (SP-4425-AD1) the patch cable addendum (TR-42/01-03-023).

**Plenary action:** The motion was unanimously approved.

4. A Task Group has been formed to investigate First Mile/Last Mile cabling. This cabling is planned to align with efforts within IEEE 802.3. Chris Di Minico will tentatively chair the group with Mark Maloney assisting in the effort as described in its scope (TR-42/01-03-022). This effort will likely cause a document to be drafted that will include cabling and pathways and spaces.
5. A Task Group has been formed to investigate bonding and grounding of shielded cabling. Dave Hess will chair the group. This effort will likely cause an addendum to 568-B.1 for balloting at the June meeting.

### 7b. TR-42.2, Residential Telecommunications Infrastructure <sup>3</sup>/<sub>4</sub> Bob Jensen

Documents: None

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1. The Subcommittee met and reviewed a contribution on building automation systems and drafts on security cabling and control cabling. No action was asked of TR-42.

**7c. TR-42.3, Commercial Building Telecommunications Pathways and Spaces <sup>3/4</sup>**

**Bob Jensen**

Documents: TR-42/01-03-009 TR-42/01-03-010

1. The underfloor duct and cellular floor distribution systems addendum (SP-4722-A1) ballot was reviewed in the Subcommittee. The ballot resulted in 14 approve, 1 approve with comments, and 3 abstain. Letters will be sent to those that responded to the ballot (TR-42/01-03-010) confirming the resolution of comments. Bob Jensen made a motion requesting SP-4422 be forwarded for publication.

**Plenary action:** The motion was unanimously approved.

2. The Subcommittee had planned on reviewing ballot comments to the multi-tenant pathways and spaces ballot, SP-3-2950-AD6. Unfortunately, several members stated that they did not receive the ballot, nor were they notified of ballot registration. Bob Jensen will pursue resolution to this problem with TIA.
3. A contribution was provided asking to that a Task Group be established to look at issues involving active electronic equipment being placed outside the floor serving telecommunications room. A Task Group has been established with George Weller, Steelcase, as chair. Bob Jensen asked that a reply letter to BICSI (TR-42/01-03-009) be approved and forwarded to BICSI.

**Plenary action:** The motion was unanimously approved.

4. The ballot for the cable tray fill addendum is planned to be released at the next meeting.

**7d. TR-42.4, Customer-Owned Outside Plant Telecommunications Infrastructure <sup>3/4</sup>**

**Donna Ballast**

Documents: None

1. An item was received from Sumitomo Electric regarding bend radius of optical fiber cable specified in ICEA versus TIA/EIA-758. The subject was referred to TR-42.8 where it was resolved to leave the current text stated in TIA/EIA-758.

**7e. TR-42.5, Telecommunications Infrastructure Terms <sup>3/4</sup> Ray Keden**

Documents: None

1. The definitions group was active at this meeting in helping establish definitions for building automation systems and in-floor system.
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**7f. TR-42.6, Telecommunications Infrastructure and Equipment Administration <sup>3</sup>/<sub>4</sub> Mel Lesperance**

Documents: TR-42/01-03-011 TR-42/01-03-026

1. Ballot resolution was held on PN-4156 regarding administration (TR-42/01-03-011). One "NO" vote was resolved in ballot resolution. Mel Lesperance made a motion to approve an industry ballot after editing of the document (TR-42/01-03-026).

**Plenary action:** The motion was unanimously approved.

**7g. TR-42.7, Telecommunications Copper Cabling Systems <sup>3</sup>/<sub>4</sub> Masood Shariff**

Documents: TR-42/01-03-016 TR-42/01-03-018  
TR-42/01-03-017 TR-42/01-03-024

1. Comments to SP-4426 *Commercial Building Telecommunications Cabling Standard: Part 2, Copper Cabling Components* (TR-42/01-03-017) were resolved editorially at this meeting. The Subcommittee agreed that the document was ready for publishing after editorial review. Letters will be sent to those that responded to the ballot confirming the resolution of comments. Masood Shariff made a motion to approve publishing SP-4426 as TIA/EIA-568-B.2.

**Plenary action:** The motion was unanimously approved.

2. Ballot resolution on PN-3727, Category 6, was finalized at this meeting (TR-42/01-03-018). A Task Group meeting will be held on March 26-27 for a lab review of category 6. After the meeting, the category 6 draft (PN-3727) will be updated with the results of the Task Group. The Subcommittee agreed that a TIA ballot should be issued once the draft is updated (TR-42/01-03/024). Masood Shariff made a motion to approve a TIA ballot of SP-3-3727.

**Plenary action:** The motion was approved (8 for and 1 against).

3. A liaison letter was requested to be sent to IEEE 802.3 regarding electrostatic build-up on category 5e and category 6 cabling systems (TR-42/01-03-016). Masood Shariff made a motion to approve forwarding the liaison to IEEE 802.3.

**Plenary action:** The motion was unanimously approved.

**7h. TR-42.8, Telecommunications Optical Fiber Cabling Systems <sup>3</sup>/<sub>4</sub> Herb Congdon**

Documents: TR-42/01-03-013 TR-42/01-03-015  
TR-42/01-03-014 TR-42/01-03-020

1. The ballot (SP-3894-AD1) on *Additional Transmission Performance Specifications for 50/125mm Optical Fiber Cables* as an addendum to 568-B.3 had undergone ballot resolution (TR-42/01-03-012) at this meeting even though the closing ballot date is for March
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9, 2001. As of the Plenary, all comments have been resolved editorially. Should the ballot continue with no "NO" votes and receive only editorial comments, the Subcommittee would like to have the document published. Herb Congdon made a motion to approve publishing the addendum contingent on no technical comments being received.

**Plenary action:** The motion was unanimously approved.

2. A liaison letter (TR-42/01-03-014) to TIA FO-6 was asked to be forwarded regarding updating 50/125  $\mu\text{m}$  specifications. Herb Congdon made a motion to approve forwarding the letter to FO-6.

**Plenary action:** The motion was unanimously approved.

3. A liaison letter (TR-42/01-03-020) to IEEE 802.3 was asked to be forwarded contingent on the approval of SP-3894-AD1 as noted above. Herb Congdon made a motion to approve forwarding the letter to IEEE contingent on its approval to publish.

**Plenary action:** The motion was unanimously approved.

4. The ballot (PN-4890) ***Guidelines for Maintaining Optical Fiber Polarity Through Reverse-Pair Positioning*** TSB (to become TIA/EIA TSB125) was inadvertently sent to TR-8. An extension of time was requested of TIA with a notice sent to the appropriate Subcommittees for an extended ballot period. The ballot originally planned to close on March 1, 2001 now closes on April 2, 2001. As of the Plenary, there have been 14 returns with 13 approve and 1 abstention. Should the ballot continue with no "NO" votes and receive only editorial comments, the Subcommittee would like to have the document published. Herb Congdon made a motion to approve publishing the TSB contingent on no technical comments being received.

**Plenary action:** The motion was unanimously approved.

5. A liaison letter (TR-42/01-03-015) to the US TAG to ISO/IEC JTC1 SC25/WG3 was asked to be forwarded contingent on the approval of PN-4890 noted above. Herb Congdon made a motion to approve forwarding the letter to the US TAG contingent on its approval to publish.

**Plenary action:** The motion was unanimously approved.

6. TR-42.8 initiated a Task Group to investigate the need for additional publication on testing. There was a lot of discussion at this meeting to ensure that any publication would be coming from the appropriate group. Dennis Horiwitz will chair the Task Group.

**7i. TR-42.9, Industrial Telecommunications Infrastructure  $\frac{3}{4}$  Bob Jensen for  
Bill Sewell**

Documents: None

1. The Subcommittee met and reviewed an installation practice and a schedule to move this standard forward. To aid in the development of the standard, the Subcommittee agreed that they should meet at an industrial conference event to garner more support. Prior to their
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meeting, they would like to have an interim meeting in Baltimore, MD on April 12-13 to edit the document and to construct a presentation on TIA and TR-42.9. In addition, the Subcommittee requests an interim meeting on May 24 in Cleveland, OH. Bob Jensen made a motion to allow the two interim meetings of TR-42.9.

**Plenary action:** The motion was unanimously approved.

## 8. Liaison reports

1. There were no liaison reports at this meeting.

## 9. Old/New business <sup>3</sup>/<sub>4</sub> Paul Kish

### 9a. Old business

1. Project Tracking System – Bob Jensen

Bob Jensen reported that he made little progress due to other commitments since the last meeting. He plans on having a database that will track each project request.

### 9b. New business

1. Bob Jensen informed the Plenary that there are four documents on the FTP site concerning TIA memos (TR-42/01-03-004; TR-42/01-03-005; TR-42/01-03-006; TR-42/01-03-007; TR-42/01-03-008). In addition, the document register for the year 2000 is on the FTP site (TR-42/01-03-003).
2. Paul Kish and Bob Jensen reviewed the agenda for the TIA Telecommunications Infrastructure Seminar scheduled for the Friday of the next TR-42 meeting. The person providing the overview of the panel discussion are to coordinate the presentations.
3. John Siemon asked that formal work begin in TR-42.3 and TR-42.6 regarding building automation systems (PN-4655).

## 10. Meeting schedules

### 10a. Next meeting <sup>3</sup>/<sub>4</sub> Paul Kish/Bob Jensen

**June 11-14, 2001**

Providence Marriott  
1 Orms Street  
Providence, RI 02904  
Phone 401/272-2400  
FAX 401/273-2686

### 10b. Future meetings <sup>3</sup>/<sub>4</sub> Bob Jensen

Paul Kish reviewed the meeting information for 2001 and 2002. Listed below are the dates and locations.

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- August 13-17 (Tentative): Montreal, Quebec, Canada
- November 5-9 (Tentative): New Orleans, LA
- February (early): Florida or San Juan
- May: Park City or Salt Lake City, UT
- August: Halifax or Bar Harbor
- November: New Orleans, LA

## **11. Adjournment <sup>3</sup>/<sub>4</sub> Paul Kish**

This meeting was conducted in accordance with TIA Legal Guidelines and Manual of Organization and Procedures.

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Paul Kish  
TR-42 Chair

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Robert Jensen, RCDD  
TR-42 Vice-chair and Secretary

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BUILDING GLOBAL COMMUNICATIONS

## Approved by General Counsel

TR-42 Meeting Report

Date: 03/09/01

Location: Palm Springs, CA

Approved: 03/17/01

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