

# 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

December 8, 2000  
Hyatt Regency Tampa  
Tampa, FL

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

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

1. Paul Kish welcomed all of the attendees to the meeting.

#### 1b. TIA Staff Remarks

1. TIA had no remarks for this part of the meeting.

### 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 NORDX/CDT</b>		
Bob Jensen	3M	Val Rybinski	Hitachi
Charles Ganimian	Agilent	Don Billow	ICC
Frank Dickman	Anixter	Isaac Santana	ICC
Masood Shariff	Avaya	Ed Kantner	ICC
Marilyn Michelson	BCS	Jim Roberts	Molex
Paul Vanderlaan	Belden	Julie Roy	NORDX/CDT
Donna Ballast	BICSI	Mel Lesperance	Ortronics
Leonard Visser	CommScope	Jay Myers	Ortronics
Ken Chalvin	Corning Cabling	Terri Dixon	Sumitomo Electric
Ray Keden	Erico	John Siemon	The Siemon Company
Steve Lumsden	Hewlett Packard	Herb Congdon	Tyco Electronics

### 3. Review agenda and approval $\frac{3}{4}$ Paul Kish

Document: TR-42/00-12-046

The Engineering Committee approved the agenda.

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#### 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.

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

Document #	Media	Source	Document title
TR-42/00-12-045	Electronic	Bob Jensen	Vancouver, BC; Meeting Report; August 2000
TR-42/00-12-046	Electronic	Bob Jensen	Tampa, FL; December Meeting Agenda
TR-42/00-12-047	Electronic	Bob Jensen	Project Request addendum to 569 (Multi-tenant)
TR-42/00-12-048	Electronic	Bob Jensen	ANSI PINS addendum to 569 (Multi-tenant)
TR-42/00-12-049	Electronic	Bob Jensen	Draft addendum to 569-A on multi-tenant
TR-42/00-12-050	Electronic	Mel Lesperance	Draft standard ballot of 606-A
TR-42/00-12-051	Electronic	Herb Congdon	Draft addendum to 568-B.3 NGOF cabling
TR-42/00-12-052	Electronic	Herb Congdon	Draft TSB on fiber polarity
TR-42/00-12-053	Electronic	Masood Shariff	Default ballot of SP-4426-D (568-B.2)
TR-42/00-12-054a	Electronic	Masood Shariff	Editorial resolution to SP-4426-D (568-B.2)
TR-42/00-12-054b	Electronic	Masood Shariff	Technical resolution to SP-4426-D (568-B.2)
TR-42/00-12-055	Electronic	Masood Shariff	Liaison letter to IEEE and ATM Forum
TR-42/00-12-056	Electronic	John Siemon	Resolution to SP-4425-B-2 (568-B.1)
TR-42/00-12-057	Electronic	John Siemon	Resolution to PN-4655 BAS
TR-42/00-12-058	Electronic	Masood Shariff	Meeting agenda for Phoenix interim meeting
TR-42/00-12-059	Electronic	Masood Shariff	Category 6 resolution of comments (partial)

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

Document: TR-42/00-12-045

The Engineering Committee approved the August 2000 meeting report with the addition of Ray Keden and Paul Vanderlaan to the attendee list.

#### 7. Subcommittee reports and action items

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

Documents: TR-42/00-12-056 TR-42/00-12-057

1. Ballot resolution was held on default ballot SP-4425-B-2, *Commercial Building Telecommunications Cabling Standard: Part 1, General Requirements*. There were two "NO" votes which were resolved editorially. Resolution of comments resulted in the document being unanimously approved for publishing. The editor will update the SP-4425-B document from the TR-42.1 ballot resolution (TR-42/00-12-056) and will send the letters to the respondents. John Siemon made a motion to approve publishing SP-4425-B-2 as 568-B.1.

Discussion was held on publishing SP-4425 (568-B.1) inasmuch that 568-B.2 is referenced in the document, yet is not ready for publication. At first, a proposal was made to publish with wording within the document to direct readers to the SP version of B.2. This proposal was

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defeated by not meeting a 2/3 majority (7 for; 5 against). Another proposal was made to publish with a cover letter explaining the immediate unavailability of the 568-B.2 standard and its pending publication. This proposal was also defeated. A motion was then made by Paul Kish to allow publishing SP-4425 (568-B.1) as a draft if allowed by TIA. Bob Jensen will follow-up with TIA to determine if this is acceptable.

**Plenary action:** The motion made by Paul Kish was approved.

2. The Building Automation Systems (BAS) committee ballot resolution (TR-42/00-12-057) was reviewed at the meeting. There were three "No" votes on the document. The document is in dire need of editing which is planned for January 18-19, 2000 in Orlando, FL. The document will not be re-balloted until after the March TR-42.1 meeting.
3. A Task Group has been formed to investigate First Mile/Last Mile cabling. This cabling will align with efforts within IEEE 802.3.

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

Documents: None

1. This Subcommittee did not meet.

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

Documents: TR-42/00-12-047                      TR-42/00-12-048  
                  TR-42/00-12-049

1. The underfloor duct and cellular floor distribution systems addendum (SP-4722-A) ballot was not reviewed in the Subcommittee due that there were not enough ballots returned. A new due date for ballot returns was issued for December 19, 2000. This ballot will be addressed at the March meeting.
2. The Task Group on multi-tenant buildings has progressed to the point where a project request and ANSI PINS form need to be approved for an addendum to ANSI/TIA/EIA-569-A. Bob Jensen made a motion to approve the Project Request (TR-42/00-12-047) and the ANSI PINS form (TR-42/00-12-048).

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

3. A review the multi-tenant addendum was accomplished at the Subcommittee meeting. Technical changes were made to the document and editorial modifications are yet to be complete. An editing committee is established and will meet on January 12 - 13, 2001 prior to the BICSI conference. Once the document is edited, the Subcommittee would like to allow the proposed addendum to be industry balloted. Bob Jensen made a motion to approve the industry ballot of the proposed multi-tenant addendum (TR-42/00-12-049).
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**Plenary action:** The motion was unanimously approved.

4. Due to the inability to call quorum at the October interim meeting, TR-42.3 did not make any proposals to the NFPA Panel 16 on the Report to Comments of the National Electrical Code.

**7d. TR-42.4, Customer-Owned Outside Plant Telecommunications Infrastructure  $\frac{3}{4}$   
Donna Ballast**

Documents: None

2. This Subcommittee did not meet.

**7e. TR-42.5, Telecommunications Infrastructure Terms  $\frac{3}{4}$  Ray Keden**

Documents: None

1. The definitions group was active at this meeting in helping resolve ballot comments for multi-tenant pathways and spaces and building automation systems. Unfortunately, there was not enough time to complete all definitions brought to the Subcommittee.

**7f. TR-42.6, Telecommunications Infrastructure and Equipment Administration  $\frac{3}{4}$   
Mel Lesperance**

Documents: (TR-42/00-12-050)

1. The 606-A draft standard is nearing completion. Conference calls are scheduled for December 13<sup>th</sup> and 20<sup>th</sup> and January 3<sup>rd</sup> and 10<sup>th</sup> to complete editing of the document. After the editing process, the Subcommittee would like to issue a committee ballot on the document. Mel Lesperance made a motion to approve the committee ballot of the proposed administration standard (TR-42/00-12-050).

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

**7g. TR-42.7, Telecommunications Copper Cabling Systems  $\frac{3}{4}$  Masood Shariff**

Documents: TR-42/00-12-053                      TR-42/00-08-054a  
TR-42/00-12-054b                      TR-42/00-12-055

1. Thirteen "No" votes were received on SP-4426-D, the proposed draft standard of 568-B.2. Five "No" votes remained after going through ballot resolution of 355 comments (123 technical and 232 editorial). The Subcommittee agreed to issuing a default ballot from the resolved of editorial and technical comments (TR-42/00-12-054a; and TR-42/00-12-054b respectively). A couple of items for the default ballot are being referred to Task Groups for comment that will be included in the next ballot. Letters will be sent to those that responded to the ballot confirming the resolution of comments. Masood Shariff made a motion requesting SP-4426-D (TR-42/00-21-053) be forwarded for default ballot (SP-4426-D-1) after editing the document.

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

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2. The category 6 committee ballot (PN-3727) was reviewed at the meeting, however resolution to comments could not be finished due to time constraints (TR-42/00-12-059). Further work on resolving comments is planned to be completed at an interim meeting.
3. An interim meeting was requested by the Subcommittee to continue work on the category 6 ballot resolution. The dates of the meeting are set for January 24-25, 2001 in Phoenix, AZ. Masood Shariff made a motion to approve an interim meeting of TR-42.7. Masood will issue a meeting notice (TR-42/00-12-058) to TIA within the 30-day notification requirement.

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

4. A letter was reviewed by the Subcommittee to send to IEEE 802.3 and the ATM Forum (TR-42/00-12-055). The purpose of this letter is to solicit confirmation that allowing a return loss failure at frequencies where the measured insertion loss is less than 3 dB will not conflict with application requirements. Masood Shariff made a motion requesting the liaison letter be sent to the IEEE 802.3 and the ATM Forum.

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

#### **7h. TR-42.8, Telecommunications Optical Fiber Cabling Systems $\frac{3}{4}$ Herb Congdon**

Documents: TR-42/00-12-051 TR-42/00-12-052

1. The *Additional Transmission Performance Specifications for 50/125mm Optical Fiber Cables* addendum to 568-B.3 has been progressing within TR-42.8. The document is mature to the extent that the Subcommittee made some technical edits and are allowing an editorial committee to meet and finalize a document for ballot. Herb Congdon made a motion to approve the addendum for industry ballot (TR-42/00-12-051) after the editing process.

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

2. The *Guidelines for Maintaining Optical Fiber Polarity Through Reverse-Pair Positioning* TSB (to become TIA/EIA TSB125) explaining optical fiber polarity has been progressing within TR-42.8. The document is mature to the extent that the Subcommittee is allowing an editorial committee to meet and finalize a document for committee ballot. Herb Congdon made a motion to approve the proposed TSB for committee ballot (TR-42/00-12-052) after an editing session.

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

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

Documents: None

1. Contributions were brought to the committee on three connectors that all have sealing capability for harsh industrial areas. Topologies will be defined by the group and conference calls will then be established to further the work.
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## 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 with a Gantt Chart.

2. Electronic rosters – Bob Jensen

Bob Jensen reported that the electronic rosters were sent to all TR-42 Chairs.

### 9b. New business

1. There was no new business.

## 10. Meeting schedules

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

#### March 5-9, 2000

Palm Springs Marquis Conference Resort  
150 South Indian Canyon Drive  
Palm Springs, CA 92226  
Phone 760/322-2121  
FAX 760/322-2380

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

- June 11-15 (Tentative): or Providence, RI
- August 13-17 (Tentative): Montreal, ON, Canada
- November 5-9 (Tentative): 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 Secretary

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BUILDING GLOBAL COMMUNICATIONS

## Approved by General Counsel

TR-42 Meeting Report

Date: 12/08/00

Location: Tampa, FL

Approved: 02/09/01

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