

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

August 16, 2000
Renaissance Hotel
Vancouver, BC

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

| | | | |
|-------------------|----------------------------|----------------|-------------------------|
| Paul Kish | TR-42 Chair | | |
| | NORDX/CDT | | |
| Bob Jensen | 3M | Jay Myers | Graybar |
| Philip Lippel | Agilent | Rich Panko | GTE |
| Herb Congdon | AMP | Bill Sewell | Jacobs Facilities, Inc. |
| Frank Dickman | Anixter | Masood Shariff | Lucent Technologies |
| Marilyn Michelson | BCS | Mel Lesperance | Ortronics |
| Donna Ballast | BICSI | Stephen Kuba | SPAWAR |
| Mark Maloney | Ehvert Technology Services | John Siemon | The Siemon Company |

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

Document: TR-42/00-08-029

The Engineering Committee approved the agenda.

4. Intellectual property rights (early disclosure policy) $\frac{3}{4}$ 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 ³/₄ Kish/Jensen

| Document # | Media | Source | Document title |
|------------------|------------|----------------|--|
| TR-42/00-08-028 | Electronic | Bob Jensen | Tysons Corner, VA; Meeting Report; May 2000 |
| TR-42/00-08-029 | Electronic | Bob Jensen | Vancouver, BC, Canada; August Meeting Agenda |
| TR-42/00-08-030 | Electronic | Bob Jensen | Using TIA's Reflector |
| TR-42/00-08-031 | Electronic | Herb Congdon | Liaison letter to IEEE on NGOF |
| TR-42/00-08-031a | Electronic | Herb Congdon | Liaison letter to IEEE on NGOF (revised) |
| TR-42/00-08-032 | Electronic | Herb Congdon | Project Request for NGOF addendum |
| TR-42/00-08-033 | Electronic | Herb Congdon | ANSI PINS form for NGOF addendum |
| TR-42/00-08-034 | Electronic | Bob Jensen | SP-4722-A, Ballot resolution underfloor systems |
| TR-42/00-08-035 | Electronic | Masood Shariff | TR.42.7 Liaison to USTAG |
| TR-42/00-08-035a | Electronic | Masood Shariff | TR.42.7 Liaison to USTAG (revised) |
| TR-42/00-08-036 | Electronic | Herb Congdon | Liaison letter to FO6.3 |
| TR-42/00-08-036a | Electronic | Herb Congdon | Liaison letter to FO6.3 (revised) |
| TR-42/00-08-037 | Electronic | John Siemon | SP-4425-B-1 Resolution of comments |
| TR-42/00-08-038 | Electronic | Herb Congdon | Project Request Fiber Polarity |
| TR-42/00-08-039 | Electronic | Bill Sewell | TR.42.9 Liaison to USTAG to IEC SC48B |
| TR-42/00-08-039a | Electronic | Bill Sewell | TR.42.9 Liaison to USTAG to IEC SC48B (revised) |
| TR-42/00-08-040 | Electronic | Bill Sewell | TR.42.9 Liaison to DKE GUK 715.3 |
| TR-42/00-08-041 | | Masood Shariff | TR-42.7 Committee Letter ballot on Category 6 specifications (PN-3727) |
| TR-42/00-08-042 | | John Siemon | B.1 default ballot |
| TR-42/00-08-043 | | John Siemon | Committee Ballot PN-4655 BAS |
| TR-42/00-08-044 | | John Siemon | Cover letter to NFPA on BAS ballot |

6. Previous meeting report ³/₄ Bob Jensen

Document: TR-42/00-08-028

The Engineering Committee approved the May 2000 meeting report.

7. Subcommittee reports and action items

7a. TR-42.1, Commercial Building Telecommunications Cabling ³/₄ John Siemon

Documents: TR-42/00-08-037 TR-42/00-08-043
 TR-42/00-08-042 TR-42/00-08-044

1. Ballot resolution was held on default ballot SP-4425-B-1, *Commercial Building Telecommunications Cabling Standard: Part 1, General Requirements*. There were four "NO" votes of which all were resolved. Resolution of comments resulted in the document being unanimously approved for re-balloted as a 30-day default ballot, SP-4425-B-2 including a total of two technical comments. One of these technical issues involves a mandate for a TR-42.7 Task Group to provide the editor with information on patch

cord bend radius by November 1, 2000. The editor will update the SP-4425-B document from the TR-42.1 ballot resolution (TR-42/00-08-037) and will send the default ballot directly to TIA. John Siemon made a motion to approve the default re-ballot of SP-4425-B-1 (SP-4425-B-2).

Plenary action: The motion was unanimously approved.

2. The Building Automation Systems (BAS) Task Group has evolved their draft to where it is ready for ballot (TR-42.1/00-08-043). Some technical modifications were made during the TR-42.1 meeting. It was agreed to send this draft to NFPA Panel 16 for their comment. John Siemon and Paul Kish agreed to write a cover letter (TR-42.1/00-08-044) to send along with the ballot. John Siemon made a motion to send SP-4655 to committee ballot, including NFPA Panel 16.

Plenary action: The motion was unanimously approved.

7b. TR-42.2, Residential Telecommunications Infrastructure ³/₄ Bob Jensen

Documents: None

1. The Task Group on Security Systems is progressing and they provided the first draft of their work. Comments on the draft are being sent to the Security Systems Task Group. The other Task Groups have been stalled due to unforeseen work issues by the Task Group chairs. A new chair is being sought for Control Systems.

7c. TR-42.3, Commercial Building Telecommunications Pathways and Spaces ³/₄ Bob Jensen

Documents: TR-42/00-08-034

1. The underfloor duct and cellular floor distribution systems addendum (SP-4722-A) ballot was reviewed in the Subcommittee. Three technical issues remain on the document including a reference to 568-A, definitions (to be provided by Paul Kish), and mandating the leveling of access and junction boxes to the floor level. Resolution to ballot comments (TR-42/00-08-034) will be distributed to the respondents of the document. Bob Jensen made a motion to approve the default ballot of SP-4722-A.

Plenary action: The motion was unanimously approved.

2. The Task Group on multi-tenant buildings is progressing. An illustration of the proposed addendum was reviewed at the meeting and definitions were developed in TR-42.5.
 3. The cable tray fill task group reported that they will have their draft ready for ballot at the next meeting.
 4. The Subcommittee would like to submit comments to the National Electrical Code Report on Proposals. The Subcommittee wishes to work with BICSI on their proposals and submit their
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own comments under TR-42. Bob Jensen made a motion to approve an October interim meeting to be held in conjunction with the BICSI Code Committee.

Plenary action: The motion was unanimously approved.

5. Ray Keden submitted a copy of the international pathways and spaces document to the TR-42.3 Subcommittee. The Subcommittee will have the opportunity to submit comments to Bob Jensen who, in turn, will compile the information and submit it to the TAG. Bob Jensen made a motion asking that the Subcommittee be allowed to submit these comments to the US TAG.

Plenary action: The motion was unanimously approved.

7d. TR-42.4, Customer-Owned Outside Plant Telecommunications Infrastructure ^{3/4} Donna Ballast

Documents: None

1. This Subcommittee did not meet.

7e. TR-42.5, Telecommunications Infrastructure Terms ^{3/4} Ray Keden

Documents: None

1. The definitions group was active at this meeting in helping resolve ballot comments for SP-4722-A, and to define other terms for TR-41.7.2 and TR-42.3. Definitions were given for approximately fourteen terms including terms anticipated for a multi-tenant addendum to 569-A.

7f. TR-42.6, Telecommunications Infrastructure and Equipment Administration ^{3/4} Mel Lesperance

Documents: None

1. Progress continues with the 606 effort. The Subcommittee agreed that more technical work is needed on the document. Resulting from recognizing this need, the group requested an interim meeting. Tom Raucher agreed to host the meeting to be held October 31 to November 2. Mel Lesperance stated he will distribute a meeting notice and made a motion to approve the interim meeting.

Plenary action: The motion was unanimously approved.

7g. TR-42.7, Telecommunications Copper Cabling Systems ^{3/4} Masood Shariff

Documents: TR-42/00-08-035 TR-42/00-08-041

1. The category 6 draft has been edited in committee during this meeting. The Subcommittee overwhelmingly feels that the draft is ready for balloting. Masood Shariff made a motion requesting PN-3727 (TR-42/00-08-041) be forwarded for Committee Ballot.
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Plenary action: The motion was unanimously approved.

2. Concern had been raised in TR-42.7 regarding the return loss specification in the latest draft of ISO/IEC 11801. The Subcommittee drafted a letter (TR-42/00-08-035) to the US TAG to ISO/IEC JTC1 SC25/WG3 and CENELEC TC215 asking them to support the specifications within ANSI/TIA/EIA-568-A-5 and draft 7 of the TR-42.7 document entitled, "Transmission Performance Specifications for 4-Pair 100 Ω Category 6 Cabling". Masood Shariff made a motion to forward the edited letter (TR-42/00-08-035a) to the TAG and to CENELEC TC215.

Plenary action: The motion was unanimously approved.

3. A Task Group has been assigned to investigate bend radius of solid and stranded patch cords. In addition, a Task Group has been established on Excess NEXT.

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

Documents: TR-42/00-08-031 TR-42/00-08-036
: TR-42/00-08-032 TR-42/00-08-038
TR-42/00-08-033

1. The Next Generation Optical Fiber addendum to 568-B.3 has been progressing within TR-42.8. The document is mature to the extent that a Project Request is being made by the Subcommittee. Herb Congdon made a motion to approve the Project Request (TR-42/00-08-032) and the ANSI PINS form (TR-42/00-08-033).

Plenary action: The motion was unanimously approved.

2. A liaison letter (TR-42/00-08-031) was recommended to be sent to the IEEE regarding the use of Next Generation Optical Fiber for premises use in support of 10 gigabit Ethernet. The Committee revised the letter (TR-42/00-08-031a). Herb Congdon made a motion to forward the liaison letter to the IEEE.

Plenary action: The motion was unanimously approved.

3. A liaison letter was recommended to be sent to the FO 6.3 regarding endface geometry. Within the letter, it was requested that specifications for multimode connectors be determined and listed separately from single-mode connectors. The Committee revised the letter (TR-42/00-08-036a). Herb Congdon made a motion to forward the liaison letter to FO 6.3.

Plenary action: The motion was unanimously approved.

4. A Project Request is being made regarding "Maintaining Optical Fiber Cabling Polarity" as a TSB. The document is intended to explain fiber optic polarity for small form factor connectors and multi-fiber connectors. Herb Congdon made a motion to approve the Project Request (TR-42/00-08-038).

Plenary action: The motion was unanimously approved.

7i. TR-42.9, Industrial Telecommunications Infrastructure ³/₄ Bill Sewell

Documents: TR-42/00-08-039 TR-42/00-08-040

1. A contribution was submitted to the Subcommittee regarding an industrial use 8-pin modular connector. A letter was recommended to be sent to IEC SC48B (TR-42/00-08-039) regarding their considering to open a project on an industrial connector. Bill Sewell made a motion to forward the revised letter (TR-42/00-08-039a) to IEC SC48B.

Plenary action: The motion was unanimously approved.

2. A letter was initiated in the Subcommittee (TR-42/00-08-040) to establish a liaison with DKE GUK 715.3. Bill Sewell made a motion to forward the letter to DKE GUK 715.3.

Plenary action: The motion was unanimously approved.

8. Liaison reports

1. There were no liaison reports at this meeting.

9. Old/New business ³/₄ 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. Reflector – Bob Jensen

Bob Jensen reported that he worked with Stephanie Montgomery of TIA and TR-42 Subcommittee and Working Group chairs in use of the TIA reflector. All committees have the documentation on the use of the site (TR-42/00-08-030) and are now using this reflector.

9b. New business

1. Electronic rosters

Bob Jensen was asked to coordinate with TIA to having electronic rosters being sent to TR-42 Subcommittee and Working Group chairs.

10. Meeting schedules

10a. Next meeting ³/₄ Paul Kish/Bob Jensen

December 4-8, 2000

Hyatt Regency Tampa
Two Tampa City Center

Tampa, FL 33602
Phone 813/225-1234
FAX 813/204-3095

10b. Future meetings ³/₄ Bob Jensen

- March 5 to 9, 2001Palm Springs or Pheonix
 - December 4-8, 2000 in Tampa, Florida (Hyatt Regency Tampa: 813-225-1234)
 - March 5-9 (Tentative): Palm Springs, CA or Phoenix, AZ
 - June 11-15 (Tentative): Montreal or Niagara Falls
 - August 13-17 (Tentative): Bar Harbor, ME or Park City, UT
 - November 5-9 (Tentative): New Orleans, LA

11. Adjournment ³/₄ Paul Kish

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

Paul Kish
TR-42 Chair

Robert Jensen, RCDD
TR-42 Secretary



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-42 Meeting Report

Date: 08/16/00

Location: Vancouver, BC, Canada

Approved: 10/13/00

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