

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 17, 2001
Delta Centre – Ville
Montreal, Quebec, Canada

1. Call to order (opening remarks; objectives)

1a. TR-42 Chair Remarks

1. Paul Kish welcomed all of the attendees to the meeting and then presented a contribution on the role of TR-42 (TR-42/01-08-069) in light of the responsibilities of the TR-42 Subcommittees as Formulating Groups. TR-42 will be the approving authority for initiating Project Requests and for release of any publication. In addition, TR-42 will continue to issue all liaison letters outside TR-42. TR-42 will also be able to be used to move documents along when there is lack of a quorum in the Subcommittee. Other agenda items that will remain with TR-42 include setting schedules, reviewing Subcommittee Reports, Project Tracking, and interfacing with TIA on Policy and Procedural matters.
2. Paul reminded the Plenary that elections would be held during the November meeting. The individual Subcommittees will elect positions of Chair and Vice-chair for TR-42.1, TR-42.3, TR-42.5, TR-42.7, and TR-42.9.
3. Paul along with Stephanie Montgomery discussed the issue of membership voting continuation as set forth in Section 3.2.5 of the 2001 TIA Engineering Manual. An option must be chosen by TR-42 that has Option A requiring continuing voting rights contingent on responding to ballots, whereas Option B excludes voting on ballots as a requirement. Paul Kish made a motion to accept option B as TR-42's method of continuing voting rights.

Plenary action: The motion was unanimously approved.

4. Paul informed the Engineering Committee that there was general agreement among the Subcommittee to move to three meetings per year. The three meeting schedule would begin in 2002 and form around the months of February, June, and October. This would not preclude Subcommittees from holding interim meetings and would allow additional time between meetings to accomplish outstanding work items. TIA's announcement of the availability of a conference bridge and WebEx can also be used to keep advancing standards. Paul Kish made a motion to move to a three meeting year.

Plenary action: The motion was unanimously approved.

1b. TIA Staff Remarks

1. Stephanie Montgomery informed the Plenary that a wired and wireless LAN would be available at the next TR-42 meeting. TIA now has conference call capability and WebEx service availability for standards development. Members looking to use these facilities should contact Stephanie a minimum of 3 days in advance to the meeting.
2. TIA is planning to have the Cabling Seminar on the Friday of the November TR-42 meeting. Several TR-42 Subcommittees were unwilling to meet on the Sunday prior to the normal week to fill-in a full five days of meetings (the November schedule was reviewed later in the meeting).

2. Roll call and introductions; call quorum — Kish/Jensen

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

Attendees

Paul Kish	TR-42 Chair		
	NORDX/CDT		
Phillip Lippel	Agilent	Val Rybinski	Hitachi Cable Manchester
Masood Shariff	Avaya	Bill Sewell	Holmes & Narver
Paul Vanderlaan	Belden Wire & Cable	Ed Peronka	Ideal Industries
Marilyn Michelson	BCS	James Withey	ITT
Donna Ballast	BICSI	Julie Roy	NORDX/CDT
Mark Maloney	Ehvert Technology Systems	Mel Lesperance	Ortronics
Ray Keden	Erico	John Siemon	The Siemon Company
Bob Jensen	Fluke Networks	Herb Congdon	Tyco Electronics
Peter Sharp	Giffels Associates		

3. Review agenda and approval — Paul Kish

Document: TR-42/01-08-063

The Engineering Committee approved the agenda.

4. Intellectual property rights (early disclosure policy) — 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, and the 2001 TIA Engineering Manual.

5. Distribution and numbering of documents — Kish/Jensen

Document #	Source	Document title
TR-42/01-08-062	Bob Jensen	Providence, RI Meeting Report; June '01
TR-42/01-08-063	Bob Jensen	Montreal, Quebec Meeting Agenda, June '01
TR-42/01-08-064	Bob Jensen	Montreal, Quebec Liaison Meeting Agenda, June '01
TR-42/01-08-065	Ray Keden	Pathways Liaison
TR-42/01-08-066	Ken Chauvin	ICEA Liaison
TR-42/01-08-067	Bob Jensen	TR-42 Liaison Report
TR-42/01-08-068	Chris DiMinico	IEEE 802.3 Liaison Report
TR-42/01-08-069	Paul Kish/Bob Jensen	TR-42 Guidelines
TR-42/01-08-071	Bill Sewell	IAONA Liaison letter on harmonization of cabling
TR-42/01-08-072	Bill Sewell	ODVA Liaison letter on harmonization of cabling

6. Previous meeting report — Bob Jensen

Document: TR-42/01-08-062

The Engineering Committee approved the June 2001 meeting report.

7. Subcommittee reports and action items

7a. TR-42.1, Commercial Building Telecommunications Cabling — John Siemon

1. **PN-4655 Building Automation Systems:** The remaining comments (37) were resolved. It was agreed to release the document for industry ballot.
2. **SP-3-4425-AD2 Grounding and Bonding Specifications for Screened Horizontal Cabling:** The ballot period concluded with 28 companies voting: 4 approved with comment, 17 approved, 1 not approved with comment, 6 abstain. Comments were resolved and it was agreed to issue the document for industry ballot.
3. **Correction to 568B.1, Figure 11-1 on Beginning and End of Channel:** The erratum is published. Copies of TIA-568-B.1 will include the errata. Bob Jensen will verify that all TR-42 members are sent a copy of the standard.
4. **TR42.1.1 Working Group on Network Distribution Nodes:** The work on a Standard for data centers will commence. Contributions are being solicited for the Dallas meeting.
5. **Pathways and Spaces “Tiny TR” Task Group:** The “Tiny TRs” Task Group met in July and produced a scope (see TR-42.1-01-08-052). It was agreed to inform TR-42.3 that there is support in TR 42.1 for developing options enabling LAN hubs in work areas and recognizing cabling implementations using cabinet TRs (options 1 and 3) in the contribution, and that there is not support in TR-42.1 for active consolidation points (option 2).
6. **Requirements for Remote Powering:** It was agreed to provide a copy of the draft DTE document for TR-42.1 review in consideration of TIA and ISO Standards (draft is expected

by the end of September). The Task Group will re-form, collect comments and submit them to IEEE.

7b. TR-42.2, Residential Telecommunications Infrastructure — Bob Jensen

1. The Subcommittee was informed that the Security Cabling industry ballot would be issued after the registration period that is currently taking place.
2. The Control Cabling Task Group has continued their work and the Subcommittee agreed to issue a Committee Ballot.
3. John Seger of Leviton has agreed to lead the Audio Cabling Task Group. His team will be meeting prior to the November meeting and they plan on having a draft for review at that time.
4. Administration for residences will be on hold until 606-A is near publishing. At that time the Subcommittee will be able to use the ideals of that document to establish requirements for residences.
5. The EH Expo has invited TR-42.2 to have an interim meeting at their October Expo. An ad-hoc meeting is scheduled for October 27th at the EH Expo. Bob Jensen will send out a notice about the ad-hoc meeting.

**7c. TR-42.3, Commercial Building Telecommunications Pathways and Spaces —
Bob Jensen**

1. Quorum was not met at the TR-42.3 meeting.
2. The cable tray addendum is yet out for ballot and without a quorum it seemed fruitless to take any action with resolution of comments at this meeting. Once the ballot date closes, the ballot comments will be set out on the FTP site for review of the Subcommittee.
3. The “Tiny TR” Task Group met in Chicago in July meeting and initiated a scope of work to investigate three scenarios. The Subcommittee agreed that the Task Group should continue their work.
4. Steve Huffaker was presented with an award for his outstanding work on the multi-tenant addendum.
5. The first draft of 569-B was reviewed at the Subcommittee meeting and illustrated a new structure for the document. The Subcommittee agreed with the structure and offered some comments for incorporation into the draft such as cable tray being used in other environments than just ceiling systems. The document will be further edited and sent out to the Subcommittee for further review. Steve Huffaker was asked for help in adding the multi-tenant information and to review the draft for incorporating building automation systems.

**7d. TR-42.4, Customer-Owned Outside Plant Telecommunications Infrastructure —
Donna Ballast**

1. A new project is being proposed for installation and maintenance of optical fiber in sewer systems. TR-42.4 will convene at the November meeting to discuss this proposal.

7e. TR-42.5, Telecommunications Infrastructure Terms — Ray Keden

1. Several terms were brought to the Subcommittee including: connecting hardware screen bonding conductor, longitudinal conversion transfer loss, modular plug cord, position bonding terminal, and room, mechanical. Acronyms were discussed including: MER and MR. All terms will be updated and sent to TR-42 chairs for incorporation into their documents.
2. The Terms and Definitions of TR-42.5 will be provided to other groups such as BICSI and the US TAG to ISO/IEC JTC1 SC25/WG3.

**7f. TR-42.6, Telecommunications Infrastructure and Equipment Administration —
Mel Lesperance**

1. The Subcommittee addressed comments to SP-34156-RV1 and the resolution of comments were completed. The document will go through an editing session and will be sent for industry ballot.
2. An annex was proposed for blown fiber installations. Comments were mixed on the subject, resulting in suggesting that the contribution be submitted as a ballot comment.
3. Discussion was held on an e-catalog data interexchange document. The Subcommittee agreed that a Task Group would meet to establish a scope and objectives and present them at the next meeting.

7g. TR-42.7, Telecommunications Copper Cabling Systems — Masood Shariff

1. Draft 9a of the proposed category 6 standard was approved to go out for another ballot after an interim meeting on October 4 at Foxwood, Connecticut.
2. SP-3-4426-AD2 has yet to close, but was approved to be published if no technical comments were received.

7h. TR-42.8, Telecommunications Optical Fiber Cabling Systems — Herb Congdon

1. Quorum was not met for this meeting.
 2. **PN-3894-AD1, *Additional Transmission Performance Specifications for 50/125 μ m Optical Fiber Cables Addendum* Ballot Status:** A contribution was reviewed. The detail spec document process has begun.
 3. **Fiber Optic Link Certification Study Group:** A contribution was reviewed that will go to BICSI asking them to distribute a survey. Some suggestions were provided to the BICSI representative for consideration prior to issuing a member survey.
 4. **Liaison Letter from TIA FO 2.2.1:** A liaison letter was received requesting input on what future efforts might be worth pursuing. A general discussion followed that generally supported 40 Gb/s over multimode. Also discussed was to emphasize the continuing use of multimode fiber.
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5. **Updating Annex E for 10 GbE:** A contribution will be forthcoming to update Annex E of 568-B.1 for 10GbE and for 100BASE-SX.

7i. TR-42.9, Industrial Telecommunications Infrastructure — Bill Sewell

Documents: TR-42/01-08-071 TR-42/01-08-072

1. A review of the definitions submitted by the editorial group was given to the Subcommittee. Definitions were agreed to as “working definitions” for the further development of the standard. It was decided to defer forwarding the definitions to TR 42.5 pending further work on the standard.
2. Two liaison letters were submitted to be sent to IAONA and ODVA (TR-42/01-08-071, TR-42/01-08-071, respectively). The liaison letters were edited on-line. Bill Sewell made a motion to forward the letters to IAONA and ODVA.

Plenary action: The motion was unanimously approved.

8. Liaison reports

1. All liaison reports are being given on Tuesday mornings (TR-42/01-08-064). Liaison reports at this meeting included:
 - a) TR-42/01-08-065; Ray Keden – ISO pathways and Spaces
 - b) TR-42/01-08-066; Ken Chauvin – ICEA
 - c) TR-42/01-08-067; Bob Jensen – TR-42 Chairs
 - d) TR-42/01-08-068; Chris DiMinico – IEEE 802.3

9. Old/New business — Paul Kish

9a. Old business

1. Project Tracking System – Bob Jensen

Bob Jensen reported that he made a draft project tracking system that will track the Committees, Project Requests, and schedules of proposed standards. The Engineering Committee agreed with continuing work on the development of the tracking system.
2. 607-A Status – Bob Jensen

Bob Jensen reported that he talked to several TR-42 members and also to TR-41 and T1E1 regarding where the standard should reside after it is published. All agree that it should reside with one committee and that it should contain grounding and bonding experts. Discussions with several TR-42 members and chairs reflect that TR-42 may not have the expertise to design commercial building bonding and grounding infrastructure systems. Stephanie Montgomery will discuss this with TR-41.7 at their meeting next week.

9b. New business

1. There was no new business brought forth at this meeting.

10. Meeting schedules

10a. Next meeting — Paul Kish/Bob Jensen

November 5-9, 2001

The Fairmont Hotel
1717 North Akard Street
Dallas, TX 75201
Phone 214/720-2020
FAX 214/720-5269

10b. Future meetings — Bob Jensen

- February 4-8: Fort Lauderdale, FL
- June: TBD
- October: TBD

11. Adjournment — 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 Vice-chair and Secretary



BUILDING GLOBAL COMMUNICATIONS

Approved by General Counsel

TR-42 Meeting Report

Date: 08/17/01

Location: Montreal, Canada

Approved: 09/24/01

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