

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

June 14, 2001
Providence Marriott
Providence, RI

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. Stephanie Montgomery addressed the Committee regarding the Committee's choice of Option A or Option B concerning Membership Voting Continuation. Option A includes the member's need to answer all ballots and attending one meeting of the last three successive, while Option B excludes the need for answering ballots. Discussion was held in the Committee and no vote was taken for choosing an option at this meeting.
 2. Stephanie Montgomery noted that elections will have to be held this year for all odd number Subcommittees. An Advisory Note is being constructed by Susan Hoyler to further identify the practices to be used in the election. TR-42 intends to explain the process at the August meeting and conduct the election in November.
 3. Two items were raised over the new Engineering Manual that TR-42 may need to be concerned with. One had to do with the way quorum is called, and the other about publishing documents. For quorum call, each Subcommittee needs to know if a member is in good standing before calling quorum. This will put additional needs on TIA to provide the information and on each Subcommittee Secretary. Another issue has to do with ensuring that we place on the agendas that publication of a standard will be discussed at a meeting, and that if there is one descending vote, it will hold-up publication until there is unanimity. All members were encouraged to study the new Engineering Manual prior to the next meeting.
 4. Questions were raised about whether anyone is having trouble accessing the FTP site. Other than the FTP site being down at some periods of time, it did not seem to be an issue. Access to the FTP site was discussed inasmuch that some people have called the Chairs asking for the password. It was agreed to send any of these requests to Stephanie Montgomery so she could ensure that they are members and could then provide the password to them.
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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 a quorum declared.

Attendees

Paul Kish	TR-42 Chair		
	NORDX/CDT		
Phillip Lippel	Agilent	Val Rybinski	Hitachi Cable Manchester
Masood Shariff	Avaya	Lynn Colletti	Lynn Colletti
Marilyn Michelson	BCS	Dave Hess	NEFANS
Donna Ballast	BICSI	Julie Roy	NORDX/CDT
Steve Swanson	Corning Inc.	Mel Lesperance	Ortronics
Chad Burel	Corning Cabling Systems	Jay Myers	Ortronics
Mark Maloney	Ehvert Technology Systems	Terri Dixon	Sumitomo Electric Lightwave
Ray Keden	Erico	Jean Baer	Superior Essex
Bob Jensen	Fluke Networks	Sterling Vaden	Superior Modular Products
Henriecus Koeman	Fluke Networks	John Siemon	The Siemon Company
Peter Sharp	Giffels Associates	Herb Congdon	Tyco Electronics

3. Review agenda and approval — Paul Kish

Document: TR-42/01-06-028

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, however it has been modified slightly with the introduction of the new Engineering Manual.

5. Distribution and numbering of documents — Kish/Jensen

Document #	Media	Source	Document title
TR-42/01-06-027	Electronic	Bob Jensen	Palm Springs, CA Meeting Report; March '01
TR-42/01-06-028	Electronic	Bob Jensen	Providence, RI Meeting Agenda, June '01
TR-42/01-06-029	Electronic	Bob Jensen	Providence, RI Liaison Meeting Agenda, June '01
TR-42/01-06-030	Electronic	Bob Jensen	TR42WD Withdrawal ballot compilation
TR-42/01-06-031	Electronic	Ken Chauvin	ICEA Liaison Report
TR-42/01-06-032	Electronic	Bob Jensen	TR-42 Update Report to TIA UPED
TR-42/01-06-033	Electronic	Bob Jensen	TIA Announcement withdrawing TSBs, addenda
TR-42/01-06-034	Electronic	Bob Jensen	TIA Announcement withdrawing ISs
TR-42/01-06-035	Electronic	Ray Keden	ISO Pathways and Spaces Liaison Report
TR-42/01-06-036	Electronic	Wayne Larsen	ISO Liaison report
TR-42/01-06-037	Electronic	Bob Jensen	TIA 2001 Engineering Manual
TR-42/01-06-038	Electronic	Stuart Reeves	CENELEC Report

TR-42/01-06-039	Electronic	Steve Swanson	FO-2-6 Liaison Report
TR-42/01-06-040	Electronic	Chris DiMinico	IEEE Liaison Report
TR-42/01-06-041	Electronic	Bob Jensen	SP-32950-AD-6 Ballot Responses (multi-tenant)
TR-42/01-06-042	Electronic	Bob Jensen	Project Request for Cable Tray Addendum
TR-42/01-06-043	Electronic	Bob Jensen	ANSI PINS for Cable Tray
TR-42/01-06-044		Bob Jensen	Cable Tray and Wireway ballot
TR-42/01-06-045	Electronic	Bob Jensen	Project Request for Security Cabling Systems
TR-42/01-06-046	Electronic	Bob Jensen	ANSI PINS for Security Cabling Systems
TR-42/01-06-047		Bob Jensen	Security Cabling Systems ballot
TR-42/01-06-048	Electronic	John Siemon	Network Working Group Press Release
TR-42/01-06-048a	Electronic	John Siemon	Network Working Group Press Release (Revised)
TR-42/01-06-049	Electronic	Valerie Rybinski	Category 6 Technical comments
TR-42/01-06-050	Electronic	Valerie Rybinski	568-B.2 addendum (SP-3-4426-AD1)
TR-42/01-06-051	Electronic	Herb Congdon	Liaison letter to IEEE
TR-42/01-06-052	Electronic	Herb Congdon	Ballot Resolution to PN-XXXX (TSB125)
TR-42/01-06-053	Electronic	Valerie Rybinski	Draft 9 of SP-3-3727-AD1
TR-42/01-06-054	Electronic	John Siemon	Resolution to Addendum 1 of 568-B.1
TR-42/01-06-055	Electronic	John Siemon	568-B.1 Addendum 1
TR-42/01-06-056		John Siemon	ANSI PINS on Bonding and Grounding Addendum 2
TR-42/01-06-057		John Siemon	Project Request on Bonding and Grounding Addendum 2
TR-42/01-06-058		John Siemon	Draft of addendum 2 (PN-3-4425-AD2)
TR-42/01-06-059	Electronic	John Siemon	Errata on fig 11-1 of 568-B.1
TR-42/01-06-060	Electronic	Valerie Rybinski	Project Request for 568-B.2 addendum
TR-42/01-06-061	Electronic	Valerie Rybinski	ANSI PINS for 568-B.2 addendum

6. Previous meeting report — Bob Jensen

Document: TR-42/01-06-027

The Engineering Committee approved the March 2001 meeting report.

7. Subcommittee reports and action items

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

Documents: TR-42/01-06-048 TR-42/01-06-056
 TR-42/01-06-048a TR-42/01-06-057
 TR-42/01-06-054 TR-42/01-06-058
 TR-42/01-06-055 TR-42/01-06-059

1. Comments to SP-3-4425-AD1 *Minimum 4-Pair UTP and 4-Pair ScTP Patch Cable Bend Radius, Addendum 1 to ANSI/TIA/EIA-568-B.1* (TR-42/01-06-054) were resolved by having the one “No vote” withdrawn at this meeting. In total, there were 20 Approve, 1 Disapprove with comments, 0 Approve with comments, and 2 Abstain. The Subcommittee agreed that the document was ready for publishing. Letters will be sent to those that responded with comments to the ballot confirming the resolution of comments. John Siemon made a motion to approve publishing SP-3-4425-AD1 as TIA/EIA-568-B.1-AD1 (TR-42/01-06-055).

Plenary action: The motion was unanimously approved.

2. A Task Group formed at the March meeting has progressed their work to the to where a Working Group was agreed to be formed. The Subcommittee agreed to the formation and to be co-chaired by Chris DiMinico and Mark Maloney. The Network Distribution Node Working Group will establish a Working Group Scope Statement and a document scope at the August meeting. A press release (TR-42/01-06-048) was also reviewed at the meeting that will announce the group's planned activities. The press release was further edited at the TR-42 Plenary (TR-42/01-06-048a). John Siemon made a motion to forward the press release to TIA for distribution.

Plenary action: The motion was unanimously approved.

3. It was brought to the attention of the Subcommittee that figure 11-1 in TIA/EIA-568-B.1 had an error that indicates the beginning channel at the wrong location. The Subcommittee agreed that an erratum should be sent out. John Siemon made a motion to send out an erratum to figure 11-1 of TIA/EIA-568-B.1 (TR-42/01-06-059).

Plenary action: The motion was unanimously approved.

4. Work has continued on bonding and grounding of ScTP cabling systems. The status of the document is at the balloting stage and a Project Request is needed. John Siemon made a motion to approve a Project Request (TR-42/01-06-044) and an ANSI PINS form (TR-42/01-06-045).

Plenary action: The motion was unanimously approved.

5. The work on bonding and grounding of ScTP cabling systems addendum will be ready for committee ballot after editing.. John Siemon made a motion to approve a committee ballot of the document (TR-42/01-06-058) after the editing session.

Plenary action: The motion was unanimously approved.

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

Documents: TR-42/01-06-044 TR-42/01-06-046
TR-42/01-06-045

1. Work has continued on residential security cabling systems. The status of the document is at the balloting stage and a Project Request is needed. Bob Jensen made a motion to approve a Project Request (TR-42/01-06-045) and an ANSI PINS form (TR-42/01-06-046).

Plenary action: The motion was unanimously approved.

2. The work on the residential security cabling systems addendum will be ready for ballot after editing. Bob Jensen made a motion to approve balloting the document (TR-42/01-06-047) after the editing session.
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Plenary action: The motion was unanimously approved.

3. Discussion was held on terminology used in TIA-570-A versus the terminology used in the industry and commercial buildings. The Subcommittee agreed that the TIA-570-A terms should change and to incorporate the change into the addendum on security cabling.
4. Work had continued on the control cabling systems to the extent that an editing committee has been established for the document. It is anticipated that at the August meeting, sections of the BAS document may be requested to be incorporated, and a ballot will likely be requested.
5. Discussion was held on administration for residential. Although there is no formal task group assigned to this activity, a couple of members are interested in participating in the effort. Some draft material will likely begin on this effort for the August meeting.
6. The draft of ISO 15018 was discussed in the meeting and members were requested to send comments to Al Feaster as comment collector to the US TAG. The draft will be placed on the TR-42.2 FTP site.
7. The EH Expo has invited TR-42.2 to have an interim meeting at their October conference. The TR-42 members were interested in having this meeting since we could gain in having their expertise. Bob Jensen agreed to discuss having TR-42 meetings co-located with the EH Expo and industrial conferences, each twice a year in order to help the needs of TR-42.2 and TR-42.9.

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

Documents: TR-42/01-06-041 TR-42/01-06-043
TR-42/01-06-042 TR-42/01-06-044

1. The Multi-tenant Pathways and Spaces Addendum (SP-32950-AD-6) ballot was reviewed in the Subcommittee. The ballot resulted in 10 approve, 3 approve with comments, 2 disapprove with comments, and 3 abstaining. Letters will be sent to those that responded to the ballot (TR-42/01-06-041) confirming the resolution of comments. Bob Jensen made a motion requesting SP-32950-AD-6 be forwarded for publication.

Plenary action: The motion was unanimously approved.

2. Work has continued on cable tray and wireway distribution systems. The status of the document is at the balloting stage and a Project Request is needed. Bob Jensen made a motion to approve a Project Request (TR-42/01-06-042) and an ANSI PINS form (TR-42/01-06-043).

Plenary action: The motion was unanimously approved.

3. The work on the cable tray and wireway distribution systems addendum will be ready for ballot after some minor editing. Bob Jensen made a motion to approve balloting the document (TR-42/01-06-044) after the editing session.

Plenary action: The motion was unanimously approved.

4. A discussion was held over the structure of the revision of 569-A. The Subcommittee agreed to consolidate the horizontal pathways section and the backbone pathways section into one Clause. Also agreed to was that we would not produce any more addenda after the approval of multi-tenant and cable tray fill. The first draft is planned to be ready for the August meeting.
5. Discussion was held concerning the Task Group assigned to investigate the “Tiny TR”. The Task Group will be meeting July 23rd to further their work and to establish a scope and objectives.
6. Two members from TR-42.3 agreed to pursue pathways and spaces for building automation systems. This action was taken in response to a TR-42.1 request at the March Plenary.

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

Documents: None

1. Donna noted that this Subcommittee may reactivate in November or early 2002.

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

Documents: None

1. The definitions group was active at this meeting in helping establish definitions for the approved multi-tenant standard and for the category 6 draft standard.

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

Documents: None

1. Ballot resolution was held on SP-4156-RV1 regarding administration. The ballots returned included three “not approved with comments”, four “approve with comments”, eleven “approve”, and two abstain. Unfortunately there was not enough time to finish ballot resolution of 209 comments. TR-42.6 plans to finish the ballot resolution in August and release another ballot for the November meeting.
 2. A contribution to consider a new standard for e-catalog data inter-exchange was provided at the Subcommittee meeting. CSI is looking into this issue and it would help if they knew TR-42.6’s intentions. The Subcommittee agreed to look at this favorably at their next meeting where a scope and objectives must be set. A possible
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liaison will be drafted to CSI at the August meeting once we establish a scope and objectives.

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

Documents: TR-42/01-06-049 TR-42/01-06-060
TR-42/01-06-050 TR-42/01-06-061
TR-42/01-06-053

1. Ballot resolution on PN-3727, Category 6, was held with all technical comments answered (TR-42/01-06-049). Editorial comments need to be incorporated in order for another ballot to be distributed prior to the next meeting. The Subcommittee agreed that a ballot should be issued once the draft is updated (TR-42/01-06-053). At contention is the ANSI closing date and whether a ballot can be achieved by the next meeting. The Engineering Committee agreed to allow the group of Masood Shariff, John Siemon, Bob Jensen, Donna Ballast, and Paul Kish work to see the most expeditious way of getting another ballot out. Masood Shariff made a motion to approve a ballot of SP-3-3727.

Plenary action: The motion was unanimously approved.

2. An error had been found in TIA-568-B.2 concerning category 3 cable. In addition, clarification was needed to define multi-pair cable and allow 4-pair cable in the backbone. These modifications are presented in an addendum to TIA-568-B.2 as approved by the Subcommittee. Masood Shariff made a motion to approve a Project Request, an ANSI PINs form and a industry ballot of SP-3-4426-AD1.

Plenary action: The motion was unanimously approved.

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

Documents: TR-42/01-06-051 TR-42/01-06-052

1. The ballot (SP-3894-AD1) on *Additional Transmission Performance Specifications for 50/125µm Optical Fiber Cables* was reviewed at this meeting. This addendum is on hold until standards within FO-2 are complete.
2. A liaison letter (TR-42/01-06-051) to IEEE 802.3 was asked to be forwarded regarding unallocated margins specifications for gigabit and 10 gigabit Ethernet. Herb Congdon made a motion to approve forwarding the letter to IEEE 802.3.

Plenary action: The motion was unanimously approved.

3. The ballot (PN-4890) *Guidelines for Maintaining Optical Fiber Polarity Through Reverse-Pair Positioning* TSB (to become TIA/EIA TSB125) was reviewed in committee. There were 11 “Approve”, 2 “Approve with comments”, 2 “Disapprove with comments”, and 4 “Abstain”. All comments were resolved editorially and the Subcommittee agreed to publish the document. Herb Congdon made a motion to approve publishing the TSB once the editorial comments were incorporated.

Plenary action: The motion was unanimously approved.

4. Fiber classes are being discussed in the Subcommittee, however the group feels that there is little to do in this area until ISO completes their work.
5. TR-42.8 initiated a Study Group to investigate the need for additional publication on testing at the last TR-42.8 meeting. The Study presented their first impressions of their work, which raised several questions in the minds of the membership. The Study Group was asked to develop more information and present it at the August meeting.

**7i. TR-42.9, Industrial Telecommunications Infrastructure — Bob Jensen for
Bill Sewell**

Documents: None

1. The Subcommittee met and received an update as to the advances within the Subcommittee and their proposed standard. Several definitions were reviewed and all have been sent back to committee with suggestions. There still seems to be connector issues within the group of which they prefer to handle in an ad-hoc group. The meetings held over the past couple of months have helped significantly in moving the document forward.

8. Liaison reports

1. All liaison reports are being given on Tuesday mornings (TR-42/01-06-029). Liaison reports at this meeting included:
 - a) TR-42/01-06-031; Ken Chauvin – ICEA
 - b) TR-42/01-06-035; Ray Keden – ISO pathways and Spaces
 - c) TR-42/01-06-036; Wayne Larsen – ISO 11801
 - d) TR-42/01-06-038; Stuart Reeves – CENELEC
 - e) TR-42/01-06-039; Steve Swanson – FO-2/6
 - f) TR-42/01-06-040; 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 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 three documents on the FTP site concerning withdrawal of documents associated with TIA-568-A. These included TR-42/01-06-030; TR-42/01-06-033; and TR-42/01-06-034.
 2. Bob Jensen let the members know that the TIA Engineering Manual is on the FTP site for downloading (TR-42/01-06-037).
 3. The User-Premises Equipment Division (UPED) of TIA had a meeting in march where they requested an update of TR-42 activities. Bob Jensen gave the presentation and is on our FTP site as TR-42/01-06-032.
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4. Bob Jensen noted the success that TR-42.9 has been having with interim meetings. He suggested that we try to co-locate with industrial industry events and also residential industry events. The committee was receptive to the idea if the meetings do not interfere with other industry events.
5. Questions were raised as to what was happening to 606-A in that the document states that it is being completed with TR-42. In addition, rumor has it that 606-A is to reside in Tr-42 after it is approved in TR-41 and T1E1. Bob Jensen was asked to look into the issues and report back at the August meeting.

10. Meeting schedules

10a. Next meeting — Paul Kish/Bob Jensen

August 13-17, 2001

Delta Centre-Ville
777 Rue University
Montreal, Quebec, H3C 2Z7 CANADA
Phone 514/879-1370
FAX 514/879-1831

10b. Future meetings — Bob Jensen

- November 5-9 (Tentative): Dallas, TX
- February 4-8: Fort Lauderdale, FL
- May 13-17: Park City, UT
- August 5-9: Halifax or Bar Harbor
- November 4-8: New Orleans, LA

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: 06/14/01
Location: Providence, RI

Approved: 06/26/01
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