



**TELECOMMUNICATIONS
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Approved by General Counsel

TR-42 Meeting Report

Date: 10/07/11

Location: San Antonio, TX

Approved: 10/25/11

MEETING REPORT – CLOSING PLENARY

Organization: TIA TR-42 Engineering Committee on Telecommunications Cabling Systems

Chair: Bob Jensen – Fluke Networks, (512) 514-7760

Vice Chair: Valerie Maguire – The Siemon Company, (602) 228-7943

Date: Friday, October 7, 2011

Location: Hyatt Regency San Antonio
123 Losoya St
San Antonio, TX 78205

IMPORTANT NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of and agreement to be bound by all provisions of the TIA Engineering Manual and permission that all communications and statements, oral or written, or other information disclosed or presented, and any translation or derivative thereof, may without compensation, and to the extent such participant or attendee may legally and freely grant such copyright rights, be distributed, published, and posted on TIA's web site, in whole or in part, on a non-exclusive basis by TIA or TIA's licensees or assignees, or as TIA directs. Exceptions to the foregoing may be granted or permitted in writing to the Chair of the Formulating Group by TIA's Senior Vice President, Standards and Special Projects on a case-by-case basis.

1 Administration

1.1 Call to order

Chair Bob Jensen called the meeting to order at 8:00 AM.

1.2 Attendance (introductions, roster)

The attendees introduced themselves and registered attendance using the on-line system. Quorum was verified by roster call. Attendees:

Name	Company
Bernie Hammond	ACD
Paul Kish	Belden Networks Division
Jeff Silveira	BICSI
Paul Kolesar	CommScope Network Solutions
Masood Shariff	CommScope Network Solutions
Chad Alley	Corning Incorporated
Joseph Cody	Corning Incorporated
Richard Jones	Datacom Standards
Ray Keden	ERICO, Inc
Robert Jensen	Fluke Networks
Ed Pivonka	Ideal Industries
Jonathan Jew	J&M Consultants, Inc

Stephen Huffaker	JPMorgan Chase & Co
Bret Taylor	Leviton
Brad Woodman	Molex Inc
Dave Hess	Nexans
Glenn Sexton	Northwest Information Services
Ray Emplit	OBO Bettermann
Bob Lounsbury	ODVA
Mike Kinard	OFS
Sterling Vaden	Optical Cable Corporation
Alex Richard	Ortronics
Val Maguire	The Siemon Company
David Fisher	TE Connectivity
Helmut Knehr	Telcordia Technologies

1.3 Agenda review and approval

The meeting agenda (TR42-2011-10-112a) was approved without objection.

1.4 Intellectual property rights (early disclosure policy)

The Chair brought to the attention of the attendees the TIA policy regarding intellectual property rights:

TIA's patent policy can be found in the TIA Engineering Manual (5th edition). Participants in the work of the TIA Formulating Group are urged to review this policy. Participants are encouraged to notify TIA of any patents of which they are aware that are related to the practice of a TIA publication early on in the development of the TIA document to reduce the possibility for delays in the development process and increase the likelihood that the draft TIA publication will be approved for publication. Patent searches are not required to comply with the TIA IPR policy. Moreover, the Engineering Manual describes the need for members' disclosure of patents that are essential to practice TIA publications and for members to provide an indication of their willingness to license any known patents.

1.5 Distribution of documents and contributions

The following documents were distributed on the TR-42 FTP site:

Document	Title	Company	Contributor
TR42-2011-06-101	TR-42 Closing Plenary Meeting Report Quebec June 17 2011	TR-42	Emplit
TR42-2011-10-106	Proposed Ballot Comment Posting Revisions to TR-42 Operational Guide	Siemon Co	Maguire
TR42-2011-10-112a	TR-42 Closing Plenary Agenda Quebec June 17 2011	TR-42	Jensen
TR42-2011-10-120	Operational Efficiency Task Group Report	TR-42	Emplit
TR42-2011-10-138	TR-42.2 Closing Plenary Review	TR-42.2	Emplit
TR42-2011-10-139	TR-42.6 Closing Plenary Review	TR-42.6	Huffaker
TR42-2011-10-141	TR-42.3 Closing Plenary Review	TR-42.3	Emplit
TR42-2011-10-142	TR-42.7 Closing Plenary Review	TR-42.7	Vaden

TR42-2011-10-143a	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
TR42-2011-10-144	TR-42.13 Closing Plenary Review	TR-42.13	Fisher
TR42-2011-10-145	TR-42.13 Project Requests	TR-42.13	Fisher
TR42-2011-10-146	TR-42.11 Closing Plenary Review	TR-42.11	Kolesar
TR42-2011-10-147	TR-42.12 Closing Plenary Review	TR-42.12	Kinard
TR42-2011-10-148	TR-42.5 Closing Plenary Review	TR-42.5	Kish
TR42-2011-10-149	TR-42.1 Closing Plenary Review	TR-42.1	Franc
TR42-2011-10-150	TR42-2011-10-150 Educational Buildings Project Request TIA	TR-42.1	Jensen
TR42-2011-10-151	TR42-2011-10-150 Educational Buildings Project Request ANSI PINS	TR-42.1	Jensen

1.6 Meeting report review and approval

The meeting report for the June 17, 2011, meeting (TR42-2011-06-101) was approved without objection.

1.7 Chair's report and general items

The Chair reported that elections for Chair and Vice Chair would be held for the even-numbered subcommittees and for TR-42 in February. The TR-42 elections will take place at the opening plenary.

The Chair congratulated the following for being elected to subcommittee leadership positions:

- TR-42.1: Ray Emplit, Chair, and Jonathan Jew, Vice Chair.
- TR-42.3: Henry Franc, Chair, and Glenn Sexton, Vice Chair.
- TR-42.5: Paul Kish, Chair, and Ray Emplit, Vice Chair.
- TR-42.7: Sterling Vaden, Chair, and Val Maguire, Vice Chair.
- TR-42.9: Brad Woodman, Chair, and Bob Lounsbury, Vice Chair.
- TR-42.11: Paul Kolesar, Chair, and Dave Mazzaresse, Vice Chair.
- TR-42.13: Dave Fisher, Chair, and Helmut Knehr, Vice Chair.

2 Old business

2.1 Liaison letters received since the opening plenary

No liaison letters were received.

2.2 Subcommittee reports and plenary action

2.2.1 TR-42.1 – Commercial Building Cabling

Glenn Sexton presented TR42-2011-10-149.

A motion to approve TIA-568-C.1-1 for publication was approved without objection.

A motion to approve a new project for Educational Buildings (TR42-2011-10-150 and TR42-2011-10-151) was approved without objection.

2.2.2 TR-42.2 – Residential Telecommunications Infrastructure

Ray Emplit presented TR42-2011-06-087.

2.2.3 TR-42.3 – Commercial Building Telecommunication Pathways and Spaces

Ray Emplit presented TR42-2011-10-138.

A motion to approve TIA-569-C for publication was approved without objection.

2.2.4 TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Paul Kish presented TR42-2011-10-148.

2.2.5 TR-42.6 – Telecommunications Infrastructure Administration

Steve Huffaker presented TR42-2011-10-139.

2.2.6 TR-42.7 – Telecommunications Copper Cabling Systems

Sterling Vaden reported that elections were held and that Mr Vaden was elected Chair for TR-42.7 with Val Maguire being elected Vice Chair.

Mr Vaden then presented TR42-2011-10-142.

Mr Vaden clarified that the Next Generation Cabling project had baseline objectives, not requirements. These can be found in TR-42.7 document number TR427-2012-02-003.

In response to a question from the floor, Mr Vaden explained that the major considerations for copper cabling using the expanded ASHRAE HVAC envelopes for data centers would be the effect on cable insertion loss, detailed in ANSI/TIA-568-C.2, and possible reduction in maximum power to be delivered over the cable (PoE), detailed in TSB-184.

Following discussion it was decided to expand the scope of the BICSI cabling survey to include fiber optic cabling. TR-42 Chair Bob Jensen requested that the survey be initiated by TR-42. TR-42.7 will provide an updated survey which will be reviewed via conference call before being sent to BICSI.

Following the meeting an updated report was posted to the TR-42 FTP site as document TR42-2011-10-142a.

2.2.7 TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2011-10-143a.

A motion to approve TIA-1005-A for publication was approved without objection.

Mr Woodman also reported that TR-42.9 members expressed interest in the following potential TR-42 task groups: Energy Efficiency and Network Security.

Following Mr Woodman's report several TR-42 members expressed interest in joining the new TR-42.9 task group for 1G noise testing.

2.2.8 TR-42.11 – Optical Fiber Systems

Paul Kolesar reported that he had been reelected as Chair of TR-42.11 and Dave Mazzaresse had been reelected as Vice Chair.

Mr Kolesar then presented TR42-2011-10-146.

Following the meeting an updated report, correcting the quorum information and adding the election results, was posted to the TR-42.FTP site as document TR42-2011-10-146a.

2.2.9 TR-42.12 – Optical Fibers and Cables

Mike Kinard presented TR42-2011-10-147. Mr Kinard corrected the report by noting that the IEC document to be adopted (see page 3) is IEC 60794-1-44.

In response to questions from Mr Kinard about the approval processes for new projects and for publication of documents a training session will be added to the meeting schedule for the February TR-42 meeting.

Mr Kinard stated that he felt the approval process outlined in the TR-42 Operational Guidelines was too cumbersome considering the large number of documents processed by the former FO-4 subcommittees. In response TR-42 Chair Bob Jensen indicated that the process should be followed and that proposed revisions to streamline the process are welcome. Mr Jensen will organize a conference call with the Chairs of TR-42.11, TR-42.12 and TR-42.13 to discuss the issue.

A motion to approve TIA-455-C for publication was approved without objection.

2.2.10 TR-42.13 – Interconnecting Devices and Passive Components

Dave Fisher presented TR42-2011-10-144.

During the presentation two project requests (see TR42-2011-10-145) for TIA-455-224 and TIA-455-226 were approved without objection.

Mr Fisher noted that, on slide 9 of the report, the correct document number for the likely adoption of the IEC version of TIA-604-10A would be TIA-604-10C.

2.2.11 TR-42.16 – Bonding and Grounding

Rich Jones reported the following activities at this week's TR-42.16 meeting:

- The issue about the new cable tray requirements in the *National Electrical Code®* was referred to the BICSI Codes Committee.
- Work will begin on a new addendum to TIA-607-B for external grounding and testing. A draft and project request is expected for the February meeting.

Following the meeting a report was posted to the TR-42 FTP site as document TR42-2011-10-152.

2.3 Proposed changes to TR-42 Operational Guidelines

2.3.1 Proposal for ballot documents and ballot resolution documentation

The proposed changes to the TR-42 Operational Guidelines as documented in TR42-2011-10-106 were approved without objection. TR-42 Chair Bob Jensen will make the changes to the Operation Guidelines which will then be posted to the TR-42 FTP site.

2.3.2 Operations Guide conflict re consensus

Bob Jensen reported that the task group formed to study the issue had not met since the June TR-42 meeting. Mr Jensen will schedule a conference call to begin work.

2.3.3 Operational efficiency

Operational Efficiency Task Group Chair Ray Emplit presented TR42-2011-10-120. Mr Emplit reported that the Task Group recommended no changes to the Operational Guidelines and requested that the Task Group be disbanded. This request was approved without objection.

2.4 Program of work

Bob Jensen reminded the subcommittee Vice Chairs that they were responsible for maintaining their subcommittee's entries.

2.5 Other

There was no other old business.

3 New business and output documents

3.1 Output documents

There were no output liaison letters from this meeting.

3.2 Other

At the request of TIA several possible new work items were considered (see TR42-2011-10-126a, presented at the opening plenary meeting, for more information):

3.2.1 Data center fabric addendum

Jonathan Jew will chair a task group to study this issue. Interested parties are encouraged to contact Mr Jew.

3.2.2 M2M study group

There was insufficient interest to begin work on this item at this time.

3.2.3 STEP study group

There was insufficient interest to begin work on this item at this time.

3.2.4 Energy management system addendum

There was insufficient interest to begin work on this item at this time.

3.2.5 Network security study group

Ray Emplit will chair a task group to study this issue. Interested parties are encouraged to contact Mr Emplit.

3.3 Action items derived from this meeting

The following action items resulted from this meeting:

- Bob Jensen to update TR-42 Operational Guidelines (see 2.3.1).
- Bob Jensen to organize conference call to discuss possible changes to Operational Guidelines (see 2.2.9).

- Jonathan Jew to chair task group considering a possible data center fabric addendum (see 3.2.1).
- Ray Emplit to chair a task group to consider new work on network security (see 3.2.5).

4 Next meeting (and interim meetings)

4.1 Next meeting

The next meeting will take place February 6 – 10, 2012, in West Palm Beach, Florida. The meeting notice has been posted to the TR-42 FTP site as document TR42-2012-02-001.

4.2 Subsequent meetings

4.2.1 February, 2012

The June, 2012, meeting is scheduled June 4 – 8 in Dallas, Texas.

4.2.2 Other locations

The next two meetings are tentatively scheduled as follows:

- October, 2012: October 1 – 5 in Philadelphia (second choice is Savannah).
- February, 2013: February 4 – 8 in Palm Springs (second choice is Scottsdale).

5 Adjournment

The meeting was adjourned at 10:05 AM.

The meeting was conducted in accordance with the TIA Legal Guide and TIA Engineering Manual.

AVAILABILITY OF MEETING DOCUMENTS:

All meeting attendees are instructed to download contributions and other meeting documents from the TIA TR42MAIN FTP site (<http://ftp.tiaonline.org/TR-42/>) before the meeting. For information on how to access the FTP site, contact TIA (Stephanie Montgomery: smontgomery@tiaonline.org).

NEW CONTRIBUTIONS:

Contributions shall use the approved templates and specific wording provided by TIA. Contributions affecting a document are to include a TIA cover sheet, proposed text to be included in the document, and the rationale/substantiation for the contribution. File templates are available on the TR42.3 FTP site for download. All contributions shall be submitted to the electronic document coordinator (EDC). All electronic files shall be provided in either Adobe Acrobat (*.PDF); Microsoft Word (*.DOC); Microsoft PowerPoint (*.PPT); or in Microsoft Excel(*.XLS). Compressed files shall be accessible using PKUNZIP or WINZIP (*.ZIP).

Early submittal and posting of contributions for consideration in meetings is highly encouraged. Contributions shall be submitted to the EDC as soon as possible and then posted to the FTP folders by the EDC as soon after receipt as possible, preferably within one business day. Notification of the posting shall be made to the group's email reflector list by the EDC within one working day of the posting. All contributions shall be posted to the appropriate location on the TIA FTP site no later than 12:00 noon EST on the Monday preceding the week of the meeting in which the contribution is to be considered (example: if the meeting will be held on Thursday the 20th, the contributions shall be posted by noon on Monday the 10th).

LATE CONTRIBUTIONS:

Contributions not posted as described in the timing above shall be classified as "late contributions." They may be considered in the meeting to which they are addressed provided that an appropriate motion receives 50% or greater of a vote.

All late contributions shall be provided to the EDC and to the committee members on a memory stick or CD-ROM along with sufficient paper copies for those members without a PC. All late contributions shall be posted to the TR-42.3 FTP site within one week of meeting adjournment.

Questions and comments on this meeting report should be submitted in writing to:

Bob Jensen, Chair, TR-42	robert.jensen@flukenetworks.com	(512) 514-7760
Valerie Maguire, Vice Chair, TR-42	valerie_maguire@siemon.com	(602) 228-7943
Ray Emplit, Secretary & EDC, TR-42	ray@obous.com	(610) 273-2648