



**TELECOMMUNICATIONS
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Approved by General Counsel

TR-42 Meeting Report

Date(s): 02/06/2012 - 02/06/2012

Location: West Palm Beach

Approved: 03/26/2012

MEETING REPORT – OPENING 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: Monday, February 6, 2012

Location: West Palm Beach Marriott
1001 Okeechobee Blvd
West Palm Beach, FL 33401

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1 Administration

1.1 Call to order

Chair Bob Jensen called the meeting to order at 9:02 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
Eric Wall	Anixter
Henry Franc	Belden Networks Division
Paul Kish	Belden Networks Division
Jeff Silveira	BICSI
Paul Kolesar	CommScope Network Solutions
Masood Shariff	CommScope Network Solutions
Chad Alley	Corning Incorporated
Steve Swanson	Corning Incorporated
Ray Keden	ERICO Inc
Robert Jensen	Fluke Networks
Cristina Kuniyoshi	Furukawa Industrial S.A.
Mark Harger	Harger, Inc

Aleksandar Opacic	Huber+Suhner
Ed Pivonka	Ideal industries
Antoine Pelletier	Intertek Testing Services
Jonathan Jew	J&M Consultants, Inc
Stephen Huffaker	JPMorgan Chase & Co
Brad Woodman	Molex Inc
Dave Hess	Nexans
James Withey	Nexans
Glenn Sexton	Northwest Information Services
Ray Emplit	OBO Bettermann
Bob Lounsbury	ODVA
Michael Kinard	OFS
Sterling Vaden	Optical Cable Corporation
Cindy Montstream	Ortronics
Tzion Priav	RIT
Val Maguire	The Siemon Company
Marianna Kramarikova	TIA
Anthony Tassone	Underwriters Laboratories

1.3 Agenda review and approval

The meeting agenda (TR42-2012-02-015) was approved without objection

1.4 Elections (Chair and Vice Chair)

Bob Jensen was reelected as Chair of TR-42 by acclamation.

Val Maguire was reelected as Vice Chair of TR-42 by acclamation.

1.5 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.

1.6 Distribution of documents and contributions

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

Document	Title	Company	Contributor
TR42-2012-02-010	TR-42.2 Opening Plenary Preview	TR-42.2	Emplit
TR42-2012-02-011	Data Center Fabric Task Group Report	TR-42 Data Center Fabric Task Group	Jew
TR42-2012-02-012	Cabling Guidelines for Data Center Fabrics Draft 2011-12-30	TR-42 Data Center Fabric Task Group	Jew
TR42-2012-02-013	TR-42.16 Opening Plenary Preview	TR-42.16	Harger
TR42-2012-02-015	TR-42 Opening Plenary Agenda West Palm Beach February 6 2012	TR-42	Jensen
TR42-2012-02-017a	TR-42.1 Opening Plenary Preview	TR-42.1	Emplit
TR42-2012-02-020	TR-42.6 Opening Plenary Preview	TR-42.6	Huffaker
TR42-2012-02-021	TR-42.3 Opening Plenary Preview	TR-42.3	Franc
TR42-2012-02-022	TR-42.9 Opening Plenary Preview	TR-42.9	Woodman
TR42-2012-02-023	TR-42 Opening Plenary Report	TR-42	Jensen
TR42-2012-02-024	TR-42.12 Opening Plenary Preview	TR-42.12	Kinard
TR42-2012-02-025	IEC SC86A Liaison Report	US TAG	Kinard
TR42-2012-02-027	Network Security Task Group Report	TR-42 Network Security Task Group	Emplit
TR42-2012-02-029	ISO IEC JTC1 SC25 WG3 Liaison Report	US TAG	Hess
TR42-2012-02-030	TR-42.11 Opening Plenary Preview	TR-42.11	Kolesar
TR42-2012-02-031	IEEE 802.3 Liaison Report	IEEE 802.3	DiMinico
TR42-2012-02-032	IEC SC86B Liaison Report	US TAG	Swanson
TR42-2012-02-033	IEC SC86C Liaison Report	US TAG	Pondillo
TR42-2012-02-034	TR-42.7 Opening Plenary Preview	TR-42.7	Vaden
TR42-2012-02-035	TR-42.5 Opening Plenary Preview	TR-42.5	Kish
TR42-2012-02-036	IEC SC65C JWG10 Liaison Report	ODVA	Lounsbury
TR42-2012-02-037	ODVA Standards Report	ODVA	Lounsbury
TR42-2012-02-038	TIA Report	TIA	Kramarikova

1.7 Chair's report and general items

Chair Bob Jensen presented the Chair's Report (TR42-2012-02-023).

2 Old business

2.1 Liaison letters received

No liaison letters have been received.

2.2 Liaison reports

2.2.1 IEEE

Paul Kish presented TR42-2012-02-031.

In response to a question from the floor concerning the link length for reduced-pair-count 1 Gb/s Ethernet Mr Kish indicated that the issue had not been discussed. Ray Emplit reminded the Committee that TIA had previously developed a standard for 1 Gb/s Ethernet over two pairs (rescinded TIA-854).

Masood Shariff added that IEEE 802.3 has an additional study group for EPoC (EPON protocol over coaxial cabling) with the goal of 10 Gb/s transmissions speeds over a distance of up to 4 km. Mr Shariff indicated that this activity might impact the content of ANSI/TIA-568-C.4.

2.2.2 ISO/IEC JTC 1/SC 25/WG 3 (US TAG)

Dave Hess presented TR42-2012-02-029.

Mr Hess further reported that IEC SC65C was requesting action from WG3 on developing transmission performance and testing requirements for “end-to-end” links. This activity was assigned to the Joint Modeling Task Group.

Mr Hess added that the second edition of ISO/IEC11801 treats fiber optic cabling different from twisted-pair cabling. For example reference implementation do not exist for fiber optic cabling but they do for twisted-pair cabling. ISO/IEC 24702 (Industrial) eliminates this distinction and it is expected that the third edition of ISO/IEC 11801 would also do so. Mr Hess suggested that TR-42 follow this strategy in the development of the D series of ANSI/TIA-568.

2.2.3 ODVA/SC65C JWG 10

Bob Lounsbury presented TR42-2012-02-036 and TR42-2012-02-037.

2.2.4 IEC SC86A

Mike Kinard presented TR42-2011-02-025. Mr Kinard corrected the report by stating that the US TAG had not met “this week” but last October. A corrected report was posted after the meeting as document TR42-2011-02-025a.

Mr Kinard clarified that the 200 micron dimension for the emerging fiber type refers to the cladding diameter.

2.2.5 IEC SC86B

Steve Swanson presented TR42-2012-02-032.

2.2.6 IEC SC86C

Steve Swanson presented TR42-2012-02-033.

2.2.7 SCTE

There was no SCTE liaison report.

2.2.8 BICSI

Jeff Silveira encouraged participation by TR-42 members in the BICSI Standards Committee and its subcommittees. Mr Silveira highlighted the following activities:

- The RFI/EMI study group determined that the topic was adequately covered in ANSI/TIA-569-C and (draft) ISO/IEC 14762-2. The study group will work with the BICSI TI&M Committee to reference these documents in BICSI manuals.
- Industry ballots are expected for the ESS cabling and health care facilities standards.
- The next two BICSI Winter Conferences will be held January 20 – 24, 2013, in Tampa, and February 2 – 6, 2014, in Orlando.
- A supplement to the data center standard covering data center classes was approved and will be available as a free download on the BICSI web site.

2.2.9 NFPA

Bob Jensen and Ray Keden reported on action by NFPA on proposals for the 2014 edition of the *National Electrical Code*®.

- Cable routing assemblies will be added as an alternative pathway.
- The requirement for the use of riser cable was clarified so that riser cable is required when cabling from floor to floor.
- Section 645 (DC power) was extensively rewritten.

2.2.10 TIA

Marianna Kramarikova presented TR42-2012-02-038.

3 New business & output documents

3.1 Subcommittee work items for this week

3.1.1 TR-42.1 – Generic Telecommunications Cabling and Premises Cabling

Ray Emplit presented TR42-2012-02-017a. Mr Emplit corrected the report by stating that the joint meeting scheduled for Tuesday morning was to be held with TR-42.11.

3.1.2 TR-42.2 – Residential Telecommunications Infrastructure

Ray Emplit presented TR42-2012-02-010.

3.1.3 TR-42.3 – Telecommunication Pathways and Spaces

Henry Franc presented TR42-2012-02-021.

3.1.4 TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Paul Kish presented TR42-2012-02-035.

3.1.5 TR-42.6 – Telecommunications Infrastructure and Equipment Administration

Steve Huffaker presented TR42-2012-02-020.

3.1.6 TR-42.7 – Telecommunications Copper Cabling Systems

Sterling Vaden presented TR42-2012-02-034. Mr Vaden added that the Subcommittee is expected to approve an interim meeting to be held April 11 – 12.

3.1.7 TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2012-02-022. Mr Woodman added that ANSI/TIA-1005-A should be published and available later this month.

3.1.8 TR-42.11 – Optical Fiber Systems

Paul Kolesar presented TR42-2012-02-030

3.1.9 TR-42.12 – Optical Fibers and Cables

Mike Kinard presented TR42-2012-02-024.

3.1.10 TR-42.13 – Passive Optical Devices and Fiber Optic Metrology

There was no report for TR-42.13.

3.1.11 TR-42.16 – Premises Bonding and Grounding

Mark Harger presented TR42-2012-02-013.

3.2 Output documents to be reviewed at the closing plenary

This topic was deferred to the closing plenary.

3.3 Proposed changes to TR-42 operational guidelines

The Chair reported that this topic will be covered at the closing plenary meeting.

3.4 Other

3.4.1 “D” series planning

The Chair reported that an informal planning session would be held between 1:15 and 3:00 PM.

3.4.2 Cable Length Survey Task Group

Val Maguire reported that the survey was conducted but the results were inconclusive. 83 people took the survey but half the responders dropped out by question 4 and many did not answer any of the length-related questions. The standard deviation for the responses was greater than the mean value and the results will not be made available.

It was resolved to allow TR-42.7 to conduct a shorter survey covering cable lengths for copper cabling only.

3.4.3 Data Center Fabric Task Group

Jonathan Jew presented TR42-2012-02-011. It was resolved that this activity be assigned to TR-42.1.

3.4.4 Network Security Task Group

Ray Emplit presented TR42-2012-02-027. It was resolved that this activity be assigned to TR-42.3.

3.4.5 M2M

The Chair requested that members consider their interest in this topic.

3.4.6 STEP

The Chair requested that members consider their interest in this topic.

3.4.7 Energy Management

The Chair requested that members consider their interest in this topic.

3.5 Action items derived from this meeting

Continued activity on the cable length survey, data center fabric and network security was assigned to subcommittees as noted above.

4 Next meeting (and interim meetings)

Upcoming meeting dates and locations:

- June 4 – 8, 2012, in Dallas, TX.
- October 1 – 5, 2012, in Philadelphia, PA.
- February 4 – 8, 2013, in Palm Springs, CA, or Scottsdale, AZ (tentative).

5 Adjournment

The meeting was adjourned at 11:50 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 FTP site within one week of meeting adjournment.

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

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