<u>Approved by General Counsel</u>

TR-42 Meeting Report

Date(s): 06/04/2012 - 06/08/2012

Location: Dallas TX

Approved: 06/26/2012

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, June 4, 2012**

Location: **Gaylord Texan Hotel**
1501 Gaylord Trail
Grapevine, TX 76051

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 9:00 AM.

1.2 Attendance (introductions, roster)

The attendees introduced themselves and registered attendance using the on-line system. Attendees:

Name	Company
Vaughn Amann	3M Company
Paul Kish	Belden Networks Division
Jeff Silveira	BICSI
Paul Kolesar	CommScope Network Solutions
Masood Shariff	CommScope Network Solutions
Chad Alley	Corning Incorporated
Peter Pondillo	Corning Incorporated
Ward Judson	ERICO Inc
Ray Keden	ERICO Inc
Robert Jensen	Fluke Networks
Cristina Kuniyoshi	Furukawa Industrial S.A.
Rich Jones	Ideal Industries

Ed Pivonka	Ideal industries
Antoine Pelletier	Intertek Testing Services
Jonathan Jew	J&M Consultants, Inc
Stephen Huffaker	JPMorgan Chase & Co
Brad Woodman	Molex Inc
Mike Sheldon	NetIG
Dave Hess	Nexans
James Withey	Nexans
Glenn Sexton	Northwest Information Services
Ray Emplit	OBO Bettermann
Derrick Strikeleather	Optical Cable Corporation
Sterling Vaden	Optical Cable Corporation
Cindy Montstream	Ortronics
Jay Whitaker	Panduit Corporation
Val Maguire	The Siemon Company
Tim West	Superior Essex
Herb Congdon	TIA
Germaine Palangdao	TIA
Anthony Tassone	Underwriters Laboratories

1.3   Agenda review and approval

The meeting agenda (TR42-2012-06-090a) 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
TR42-2012-06-062	Proposed Revisions to Editor's Guide	OBO Bettermann	Emplit
TR42-2012-06-063	TR-41 Incoming Liaison Letter	TR-41	Whitesell
TR42-2012-06-086	Proposed Modifications to TR-42 Operational Guide	TR-42 Operational Guide Task Group	Jensen
TR42-2012-06-090a	TR-42 Opening Plenary Agenda Dallas Jun 4 2012	TR-42	Jensen
TR42-2012-06-092	Proposed Network Security Standard Draft 0.2a	Hubbell	AbuGhazaleh
TR42-2012-06-093	Agenda TIA-568-D Planning Meeting Jun 4 2012	TR-42	Jensen
TR42-2012-06-095	TR-42.1 Opening Plenary Preview	TR-42.1	Emplit
TR42-2012-06-096	TR-42.2 Opening Plenary Preview	TR-42.2	Emplit
TR42-2012-06-097	TIA Standards Secretariat Report	TIA TSCC	Kramarikova
TR42-2012-06-098	TIA Standards Calendar	TIA TSCC	Kramarikova
TR42-2012-06-099	TIA Committee Dashboards	TIA TSCC	Kramarikova
TR42-2012-06-100	TIA Committee Training Videos	TIA TSCC	Kramarikova
TR42-2012-06-101	TR-42.9 Opening Plenary Preview	TR-42.9	Woodman
TR42-2012-06-102	TIA TC CCSC Liaison on Cloud Computing Standards Support	TIA TC CCSC	Covell
TR42-2012-06-103	NIST Cloud Computing Reference Architecture	TIA TC CCSC	Covell
TR42-2012-06-104	Table of Contents Comparison TIA-568-C.0 TIA-568-C.1 TIA-568-C.3	TR-42	Jensen
TR42-2012-06-105	TR-42.16 Opening Plenary Preview	TR-42.16	Harger
TR42-2012-06-106	TR-42.6 Opening Plenary Preview	TR-42.6	Huffaker
TR42-2012-06-107	TR-42.7 Opening Plenary Preview	TR-42.7	Vaden
TR42-2012-06-108	TR-42 Opening Plenary Report	TR-42	Jensen
TR42-2012-06-109	TR-42.11 Opening Plenary Preview	TR-42.11	Kolesar
TR42-2012-06-110	ISO IEC JTC1 SC25 WG3 Liaison Report	US TAG	Hess
TR42-2012-06-111	TR-42.3 Opening Plenary Preview	TR-42.3	Sexton
TR42-2012-06-112	IEEE 802.3 Liaison Report	IEEE 802.3	DiMinico
TR42-2012-06-113	TR-42.12 Opening Plenary Preview	TR-42.12	Kinard
TR42-2012-06-114	TR-42.5 Opening Plenary Preview	TR-42.5	Kish
TR42-2012-06-115	Network Security Task Group Report	TR-42 Network Security Task Group	Shariff
TR42-2012-06-116	BICSI Standards Liaison Report	BICSI	Silveira
TR42-2012-06-118	TIA Report	TIA	Kramarikova
TR42-2012-06-121	TIA2012 Key Events and Times	TIA	Congdon

1.6   Chair's report and general items

Chair Bob Jensen presented the Chair's Report (TR42-2012-06-108).

2   Old business

2.1   Liaison letters received

2.1.1   TR-41

Chair Bob Jensen reported that a liaison letter had been received from TR-41 (TR42-2012-06-063) concerning intermatability of 6-position modular plugs with 8-position jacks. Mr Jensen suggested that TR-42.2 and TR-42.7 should review the letter.

2.1.2   TC Cloud Computing Subcommittee

Mr Jensen reported that a liaison letter had been received from the TC Cloud Computing Sub-committee (TR42-2012-06-102) together with a document concerning cloud computing architecture (TR42-2012-06-103).

2.2   Liaison reports

2.2.1   IEEE

Paul Kish presented TR42-2012-06-112.

Dave Hess added that the work of the Reduced Twisted Pair Gigabit Ethernet (RTPGE) Study Group was primarily focused on weight reduction for automotive applications. Mr Hess suggested that TR-42 should consider possible implementation of Gigabit Ethernet over two pairs.

Valerie Maguire added that IEEE 802.3 was working on the 2012 edition of the IEEE 802,3 Ethernet standard to be retitled *Standard for Ethernet*. The target publication date is August, 2012.

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

Dave Hess presented TR42-2012-06-110.

Mr Hess stated that the upcoming WG 3 development of a bonding and grounding standard should be of particular interest to TR-42. ANSI/TIA-607-B has not been submitted to WG 3 in its final form.

2.2.3   ODVA/SC65C JWG 10

There were no reports for ODVA or IEC SC65C.

2.2.4   IEC SC86A

There was no report for IEC SC86A.

2.2.5   IEC SC86B

There was no report for IEC SC86B.

2.2.6   IEC SC86C

There was no report for IEC SC86C.

2.2.7 Fibre Channel

There was no report for Fibre Channel. Bob Jensen reported that formal liaison reports should begin at the October opening plenary meeting.

2.2.8 SCTE

There was no SCTE liaison report.

2.2.9 BICSI

Jeff Silveira highlighted the following activities of the BICSI Standards Committee:

- The last Committee meeting was in February immediately following the TR-42 meeting.
- 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.
- The proposed standard for health care facilities has undergone an ANSI ballot. A second ANSI ballot will be conducted.
- An ANSI ballot is expected for the proposed standard for electronic safety and security (ESS) systems.
- A Wireless Systems Subcommittee was formed to develop standards for wireless systems in buildings including distributed antenna systems (DAS) and wireless network systems (Wi-Fi).
- The European Standards Committee met in London. The Committee is focusing on developing a collated reference of international standards.

A written report was posted to the TR-42 FTP site after the meeting as document TR42-2012-06-116.

2.2.10 NFPA

There was no NFPA liaison report.

2.2.11 TIA

Herb Congdon presented TR42-2012-06-097, TR42-2012-06-098, TR42-2012-06-099 and TR42-2012-06-100.

Mr Congdon encouraged TR-42 members to register for the TIA 2012 Conference. A printed list of activities of interest to TR-42 members was made available. This list was posted to the TR-42 FTP site following the meeting as document TR42-2012-06-121.

A written TIA report was posted to the TR-42 FTP site after the meeting as document TR42-2012-06-118.

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 TR42-2012-06-095.

3.1.2 TR-42.2 – Residential Telecommunications Infrastructure

Ray Emplit presented TR42-2012-06-096.

3.1.3 TR-42.3 – Telecommunication Pathways and Spaces

Glenn Sexton presented TR42-2012-06-111. Mr Sexton corrected the report by clarifying that the ballot comment resolution was for proposed TIA-569-C-1.

3.1.4 TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Paul Kish presented TR42-2012-06-114.

3.1.5 TR-42.6 – Telecommunications Infrastructure and Equipment Administration

Steve Huffaker presented TR42-2012-06-106. Mr Huffaker clarified the report by adding that the mock ballot comment resolution was for the ISO/IEC automated infrastructure management (AIM) addendum with results to be provided to the US TAG to WG 3. Mr Huffaker further added that TIA-606-B had been submitted to TIA for publication.

3.1.6 TR-42.7 – Telecommunications Copper Cabling Systems

Sterling Vaden presented TR42-2012-06-107.

Mr Vaden further reported that TR-42.7 would add a discussion of issues related to intermatability of 6-pin plugs to 8-pin jacks (see 2.1.1) to the agenda for this week's TR-42.7 meeting. An additional interim meeting of TR-42.7 will be scheduled for the first week of December, 2012. Publication of TIA-1183 was delayed by TIA paperwork but should occur in August, 2012.

3.1.7 TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2012-06-101.

Mr Woodman added that the End-to-End Cabling Task Group has been disbanded and the work moved to TR-42.7. The 1G Noise Task Group had conducted several meetings via conference call and is making progress on the issue.

3.1.8 TR-42.11 – Optical Fiber Systems

Paul Kolesar presented TR42-2012-06-109

3.1.9 TR-42.12 – Optical Fibers and Cables

Paul Kolesar presented TR42-2012-06-113.

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

Rich Jones presented TR42-2012-06-105.

Mr Jones clarified that the document number for the external grounding addendum was TIA-607-B-1 and added that the Subcommittee would initiate a ballot to withdraw ANSI-J-STD-607-A. While the issuance of a revision to a standard usually results in an automatic rescission of the old edition, this case is different in that multiple standards bodies developed the A version.

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

Chair Bob Jensen reviewed TR42-2012-06-086. Action on this proposal will be taken up at the October closing plenary meeting.

3.4 Proposed changes to TR-42 editors guide

Ray Emplit reviewed TR42-2012-06-062. This topic will be taken up at the closing plenary meeting.

3.5 Other

3.5.1 "D" series planning

The Chair reported that an informal planning session would be held between 1:15 and 3:00 PM. The agenda for this meeting (TR42-2012-06-093) and a spreadsheet comparing the contents of the "C" series documents (TR42-2012-06-104) are posted to the TR-42 FTP site.

3.5.2 Network Security Task Group

Masood Shariff presented TR42-2012-06-115. The latest draft of the proposed standard is posted to the TR-42 FTP site as document TR42-2012-06-092. While the draft is in the form of a standard it could be reformatted as an addendum to TIA-569-C.

3.5.3 M2M

Chair Bob Jensen reported that he was included on the TR-50 reflector and would monitor progress on this issue.

3.5.4 STEP

The Chair reported that he would propose the formation of a new STEP subcommittee at the closing plenary meeting.

3.5.5 Energy Management

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

3.6 Action items derived from this meeting

Chair Bob Jensen requested that subcommittees consider what documents to forward to the US TAG. Committee members should review proposed changes to the operational guidelines (see 3.3) and editors guide (see 3.4).

4 Next meeting (and interim meetings)

Upcoming meeting dates and locations:

- 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 11:41 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:

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