TR-42 Telecommunications Cabling Systems Engineering Committee

Date: October 5, 2020
Time: 8:00 AM -10:45 AM CDT
Location: Virtual GoToWebinar
Chair: Greg Sandels
Vice Chair: Henry Franc
Secretary: Jonathan Jew

1. Administrative/General Business

1.1. Call to Order

The chair, Greg Sandels, called the meeting to order at 8:01 AM CDT

Attendees were advised of the Important Notice of Participation

IMPORTANT NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any subelement thereof, constitutes acceptance of and agreement to be bound by all provisions of the current TIA Procedures for American National Standards (PANS) and the TIA Engineering Committee Operating Procedures (ECOP) 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 the head of the TIA Standards Department on a case-by-case basis.

TIA is actively seeking participation in TR-42 standards projects from the user and general interest communities.

1.2. Attendance (Call Quorum, Introductions, Roster)

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

Attendee	Company	Attendee	Company
Ahmed, Adnan	R&M	Judson, Ward	nVent/CADDY
Bain, David	TIA	Keller Jr., Michael	Univ of Wisconsin
Barrera, Dan	IDEAL	Kozischek, David	Corning
Born, Steve	Superior Essex	Kumar, Anand	RiT Tech
Brillhart, Theo	Fluke	Kuniyoshi, Cristina	Furikawa
Buchter, Shelly	US Conec Ltd.	Larsen, Wayne	CommScope
Celella, Brian	The Siemon Co	Maguire, Valerie	The Siemon Co
Cornelison, Ken	Hitachi	Montstream, Cindy	Legrand
Dallmann, Rick	CABLExpress	Otieno, Florence	TIA
Dawson, Fred	Chemours	Payton, Scott	Global Data Center Eng
Dearing, Mark	Leviton	Ryan, Jim	Prysmian Group
Diminico, Christopher	MC Communications	Sandels, Greg	OFS

Ellis, Mark	Stewart Connector	Shubochkin, Roman	OFS
Emplit, Ray	Harger, Inc.	Shuman, Brian	Belden
Fluet, Jacques	TIA	Stehlin, Dave	TIA
Forbes, Diane	NIS	Tassone, Anthony	UL LLC
Ford, Christin	Superior Essex	Tellas, Ron	Belden
Franc, Henry	Belden	Todd, Scott	IDEAL
Fritsche, Matthias	Harting	Vaden, Sterling	Vaden Enterprises
Harpel, Todd	Berk-Tek	VanVickle, Patrick	Sumitomo
Hess, Dave	CORD DATA	Voss, Bob	Panduit
Huffman, Derek	Corning	Widawsky, Tom	HDR
Irwin, Phil	Panduit	Winston, William	Fluke
Ivans, Randy	UL LLC	Woodman, Brad	Molex
Jenkins, Teesha	TIA	Young, James	CommScope
Jew, Jonathan	J&M Consultants	Zeleny, Jordan	Hitachi
Jimenez, Andrew	Anixter Inc	Zimmerman, George	CME Consulting
Jones, Cameron	ODVA		

1.3. Current Meeting Agenda Review and Approval

The meeting agenda (TR42-2020-10-121) was approved without objection

1.4. TIA Intellectual Property Rights (Early Disclosure Policy)

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

> TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX C) and other clauses and annexes of TIA Standards Development Procedures. Participants in the work of the TIA Formulating Groups are urged to review the appropriate sections. Individual participants are encouraged to notify TIA of any patent(s) or published pending patent application(s) of which they are aware that may be essential to the practice of a proposed TIA Publication, including requirements introduced through normative references, early on in the development to reduce the possibility for delays in the development process and increase the likelihood that the proposed TIA Publication will become a Standard. However, a Patent Holder who has provided TIA with a TIA Patent Holder Statement with respect to the applicable proposed TIA Publication need not (but may elect to) identify its specific patent(s) or published pending patent application(s) that may be essential to the practice of the proposed TIA Publication in question. Patent searches are not required to comply with the TIA Intellectual Property Rights Policy.

1.5. Distribution of documents and contributions

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

Opening Plenary Meeting Report

Document #	Title	Company	Contributor
2020-10-105	TIA NEC task group meeting 8 report	TIA	Shariff
2020-10-106a	Proposed TIA public inputs 2020-7-24	TIA	Shariff
2020-10-107c	TR-42 Liaison to IEEE 802.3 re single-pair multidrop	TR-42.7	Larsen
2020-10-108a	Liaison to Open Alliance on 1000BASE-T1	TR-42.9	Woodman
2020-10-109	Open Alliance reply to TR-42 Liaison	Open Alliance	Bergner
2020-10-118	IEEE 802.3 to TR42 reply on single-pair multidrop	IEEE 802.3	Law
2020-10-119	IEEE 802.3 Liaison Reply to TR42 072 re BASE-T1 Isolation	IEEE 802.3	Law
2020-10-120	Meeting Schedule October Virtual 2020	TR-42	Franc
2020-10-121	TR-42 Opening Plenary Agenda Virtual Oct 5 2020	TR-42	Sandels
2020-10-122	TR-42 Closing Plenary Agenda Virtual Oct 9 2020	TR-42	Sandels
2020-10-123	TR-42 Opening Plenary Report	TR-42	Sandels
2020-10-124a	TR-42.1 Opening Plenary Preview	TR-42.1	Forbes
2020-10-125	TR-42.3 Opening Plenary Preview	TR-42.3	Montstream
2020-10-126	TR-42.5 Opening Plenary Preview	TR-42.5	Tellas
2020-10-127	TR-42.7 Opening Plenary Preview	TR-42.7	Larsen
2020-10-128	TR-42.9 Opening Plenary Preview	TR-42.9	Woodman
2020-10-129	TR-42.11 Opening Plenary Preview	TR-42.11	Irwin
2020-10-130	TR-42.12 Opening Plenary Preview	TR-42.12	Van Vickle
2020-10-131	TR-42.13 Opening Plenary Preview	TR-42.13	Sandels
2020-10-132	NFPA Pubic Input Task Group Report	TR-42	Shariff
2020-10-133a	IEEE 802.3 Liaison Report	IEEE 802.3	DiMinico
2020-10-134a	ISO IEC JTC1 SC25 WG3 Report	US TAG	Hess
2020-10-135	IEC TC 46, IEC SC 46C & IEC SC 48B Report	US TAG	Hess
2020-10-136	IEC SC86A Liaison Report	US TAG	Pondillo
2020-10-137	IEC SC86B Liaison Report	US TAG	Swanson
2020-10-138	IEC SC86C Liaison Report	US TAG	Pondillo
2020-10-139	ODVA Liaison Report	ODVA	Jones
2020-10-140	BICSI Liaison Report	BICSI	Silviera
2020-10-141	NFPA CMP 3 Liaison Report	TIA	Judson
2020-10-142	NFPA CMP 16 Liaison Report	TIA	Shariff
2020-10-143	TIA Overview for TR-42	TIA	Stehlin

1.6. Chair's Report and General Items

1.6.1. TR-42 Opening Plenary Report

The Chair presented the Opening Plenary Report (TR42-2020-10-123).

1.6.2. Migration of TR-42 to TIA Connect

TR-42 is being converted to TIA Connect (https://connect.tiaonline.org/home) starting Tuesday, October 13, 2020 with access for uploads to the FTP site converting to read only on Monday, October 19.

- No files can be uploaded to the ftp site (you will still be able to access the ftp site to download documents)

- All processes related to the development of a TR-42 standard will be managed through TIA Connect. The current system, along with its online forms (project request, ballot request, etc.) will no longer be used.

- All emails to TR-42 participants will be sent via TIA Connect

- All current TR-42 reflectors (and their email addresses) will no longer work so you'll need to update your address book (see below), if you choose to send an email from your email client.

    o TR-42 -TIA-TR42@ConnectedCommunity.org
    o TR-42 Leadership – TIA-TR42L@ConnectedCommunity.org
    o TR-42.1 – TIA-TR421@ConnectedCommunity.org
    o TR-42.3 - TIA-TR423@ConnectedCommunity.org
    o TR-42.5 - TIA-TR425@ConnectedCommunity.org
    o TR-42.7 - TIA-TR427@ConnectedCommunity.org
    o TR-42.9 - TIA-TR429@ConnectedCommunity.org
    o TR-42.11 - TIA-TR4211@ConnectedCommunity.org
    o TR-42.12 - TIA-TR4212@ConnectedCommunity.org
    o TR-42.13 - TIA-TR4213@ConnectedCommunity.org

2. Task Group Reports

2.1. NEC Input Task Group Report

There was no NEC Input Task Group Report. The NEC Input Task Group held one meeting and posted 2020-10-105. The public inputs approved by the plenary and submitted to the NEC were posted as 2020-10-106a.

3. Subcommittee work items this week

3.1. TR-42.1 – Premises Telecommunications Infrastructure

Diane Forbes presented TR42-2020-10-124a.

3.2. TR-42.3 – Telecommunications Administration, Pathways, Bonding and Grounding

Cindy Montstream presented TR42-2020-10-125.

3.3. TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Ron Tellas presented TR42-2020-10-126.

3.4. TR-42.7 – Telecommunications Copper Cabling Systems

Wayne Larsen presented TR42-2020-10-127.

3.5. TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2020-10-128.

3.6. TR-42.11 – Optical Fiber Systems

Phil Irwin presented TR42-2020-10-129.

3.7. TR-42.12 – Optical Fibers and Cables

Roman Shubochkin presented TR42-2020-10-130 on behalf of Patrick Van Vickle.

3.8. TR-42.13 – Passive Optical Devises and Fiber Optic Metrology

Greg Sandels presented TR42-2020-10-131.

4. Liaison letters and reports

4.1. Incoming liaison letters

4.1.1. Open Alliance reply to TR-42 Liaison

TR-42 reviewed 2020-10-109 Open Alliance reply to TR-42 Liaison. The Open Alliance cannot extend their NDA to other organizations until January 2021 when it will be reorganized. The propose the TIA provide them with a draft liaison agreement for them to review. Action Item: Cheryl Thibideau to provide a draft liaison agreement between TIA and the Open Alliance. Brad Woodman to provide Cheryl Thibideau with a description of the technical information that TIA and Open Alliance wish to share.

4.1.2. IEEE 802.3 Liaison to TR42 reply on single-pair multidrop

TR-42 reviewed 2020-10-118 IEEE 802.3 to TR42 reply on single-pair multidrop, the IEEE 802.3 reply to 2020-06-107c. IEEE 802.3 is unable to share drafts with TR-42 until TIA and IEEE have agreed on a collaborative sharing agreement. Action item for David Bain to resolve.

4.1.3. IEEE 802.3 Liaison Reply to TR42 072 re BASE-T1 Isolation

TR-42 reviewed 2020-10-119 IEEE 802.3 Liaison Reply to TR42 072 re BASE-T1 Isolation, the IEEE 802.3 reply to 2020-01-045. There is no action for the TR-42 plenary, Bradley Woodman, chair of TR-42.9 was copied on the reply.

4.1.4. Other incoming liaison letters

There were no incoming liaison letters.

4.2. Liaison reports

4.2.1. IEEE 802.3

Chris DiMinico presented TR42-2020-10-133a, the IEEE 802.3 report.

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

Dave Hess presented TR42-2020-10-134a, the ISO IEC JTC1 SC25 WG3 Report.

4.2.3. IEC TC 46, IEC SC 46 C & IEC SC 48B

Dave Hess presented TR42-2020-10-135, the IEC TC 46, IEC SC 46C & IEC SC 48B Report.

4.2.4. IEC TC 86

4.2.4.1. SC 86A

There was no IEC SC86A Liaison Report.

4.2.4.2. SC 86B

There was no IEC SC86B Liaison Report.

4.2.4.3. SC 86C

There was no IEC SC86C Liaison Report.

4.2.5. ODVA/SC 65C JWG 10

There was no ODVA Liaison Report.

4.2.6. BICSI

TR-42 reviewed TR42-2020-10-140, the BICSI Liaison Report.

4.2.7. NFPA

4.2.7.1. Panel 3

There was no NFPA CMP 3 Liaison Report.

4.2.7.2. Panel 16

There was no NFPA CMP 16 Liaison Report.

4.2.8. TIA

4.2.8.1. Presentation

Dave Stehlin, CEO of TIA, presented the TIA update TR42-2020-10-143.

4.2.9. FOTC

There was no FOTC report/presentation.

4.2.10. SPEC

There was no SPEC Report.

5. TR-42 Photography Contest

The Chair would like TR-42 members to submit photos reflective of the location of our meetings. TR-42 will select the best photo for each meeting during the closing plenary and at the end of the year select the best photo of the year. The photo of the year winner will be presented with their winning submission printed on glass. This week's meetings should reflect our virtual meetings.

A subfolder named 'Photo Contest' will be created for each meeting in the TR-42_MAIN working folder for each meeting. Please send your photos to either Greg Sandels, Henry Franc, or Jonathan Jew by 6 pm on Thursday the week of each meeting.

The winner of last meeting's photo contest was Cindy Montstream with her photo of backyard Hawk,

6. New business and output documents

6.1. Output documents to be reviewed at the closing plenary

This topic was deferred to the closing plenary.

6.2. Other

There was no other new business

6.3. Action items derived from this meeting

- Brad Woodman to provide Cheryl Thibideau with a description of the technical information that TIA and Open Alliance wish to share.

- Cheryl Thibideau to provide a draft liaison agreement between TIA and the Open Alliance.

- David Bain to work with IEEE 802.3 to develop a collaborative sharing agreement

- Elections for odd subcommittees at the Feb 2021 meeting

- Each chair will be responsible for updating TR-42.5 regarding updates to the status of their standards.

7. Upcoming Meetings

7.1. Next meeting

- Feb 1-5, 2021 – Date fixed – Virtual

7.2. Subsequent meetings – locations to be finalized at closing plenary

- June 7-11, 2021 – Date fixed – Location TBD, preferably in Canada (e.g., Quebec City, Toronto)

- October 4-8, 2021- date tentative, location TBD

8. Adjournment

The meeting was adjourned at 9:46 am

This meeting was conducted in accordance with the TIA Legal Guidelines and the engineering procedures.

AVAILABILITY OF MEETING DOCUMENTS:

All meeting attendees are instructed to download contributions and other meeting documents from the TIA TR42 FTP site (http://ftp.tiaonline.org/TR-42/) before the meeting.
To access the User Name and Password, please follow the directions below:
- o Go to https://www.tiaonline.org/all-standards/committees/admin
- o Enter your *User Name* (your email address in the TIA database)
- o Enter your *Password*
- o Click "*Go"*
- o Click "*Committee Member Tools"* (if you do not automatically land on this page)
- o On right navigation bar, under "*General",* click "*Your Committee Tools Dashboard"*
- o You will see "*Committee Tools Dashboard"* on top, under **"Your Committees"** you will see FTP User Name and Password in red text next to "FTP UN" and "PW"

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 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 <u>no later than 12:00 noon EST on the Monday preceding the week of the meeting in which the contribution is to be considered</u> (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 provided to the EDC within 24-hours of the meeting shall be classified as "late contributions." They may be considered in the meeting to which they are addressed at the discretion of the chair. All late contributions shall be provided to the EDC and to the committee members on a memory stick or other electronic media. All late contributions shall be posted to the TR-42 FTP site within one week of meeting adjournment.

Questions and comments on this agenda should be submitted to:

Greg Sandels, Vice Chair	gsandels@ofsoptics.com	(770) 798-2036
Henry Franc, Vice-Chair	Henry.Franc@belden.com	(416) 476-1336
Jonathan Jew, EDC & Secretary	jew@j-and-m.com	(415) 515-4304