<u>**Approved by General Counsel**</u>

TR-42.1 Subcommittee on Premises Telecommunications

Infrastructure Meeting Date(s): 5 October 2021

Location: Teleconference

Approved: October 2021

MEETING REPORT

TIA TR-42.1 Subcommittee on Premises Telecommunications Infrastructure

Date / Time: **Tuesday, October 5, 2021**

Location: **Virtual, GoToWebinar**

Chair: **Diane Forbes – NIS, 503-246-8585**

Vice-Chair: **Cindy Montstream – Legrand, 860-208-5261**

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

1   Administration/General Business

1.1   Call to order

The chair, Diane Forbes, called the meeting to order on October 5, 2021 at 9:02 AM CST

1.2   Attendance (Call Quorum, Introductions, Electronic Roster)

Quorum was achieved and verified by roster call. There were 32 companies forming quorum with 19 companies needed.

Meeting attendees:

Last Name	First Name	Organization	Last Name	First Name	Organization
Ahmed	Adnan	R&M	Kolczynski	Emmanuel	Senko
Bagaria	Anand	RIT Tech	Kozischek	David	Corning
Barrera	Dan	Trend Networks	Kuniyoshi	Cristina	Furukawa
Born	Steve	Superior Essex	Larson	Wayne	CommScope
Buchter	Shelly	US Conec	Lenz	Sean	Panduit
Calvo	Joseba	EPI	Maguire	Valerie	Siemon
Celella	Brian	Siemon	Manley	Paul	AFL
Chiou	Dachen	Dan-Chief Technology	Meepegama	Thar	Global DCE
Cornelison	Ken	Hitachi Cable	Montstream	Cindy	Legrand
Dallman	Rick	CABLExpress	Ninomiya	Tiger	Senko
Dawson	Fred	Chemours	Pace	Joe	Dell Computer Consulting
Dearing	Mark	Leviton	Payton	Scott	Global DCE
DiMinico	Chris	MC Communications	Pickles	Tim	Surtec
Emplit	Ray	Harger	Pyne	Jack	Guest
Farfan	Nelson	Siemon	Royer	Tyler	Senko
Fluet	Jacques	TIA	Schmalzigaug	Thomas	Huber +Suhner AG
Forbes	Diane	NIS	Shuman	Brian	Belden
Franc	Henry	Belden	Siev	Virak	Belden
Gladhill	Tucker	JK Technology	Tellas	Ronald	Belden
Hamilton	Jayson	Independent Member	Thwaites	Steve	Prysmian Group
Harpel	Todd	Leviton	Vaden	Sterling	Vaden Enterprises
Hess	Dave	Cord Data	Valentukonis	Dave	Siemon
Jenkins	Teesha	TIA	Vanderlaan	Paul	UL
Jeskey	David	Sentinel	Voss	Bob	Panduit
Jew	Jonathan	J&M Consultants	Waqas	AS	Vericom Solutions
Jones	Richard	DataCom Standards	Winston	William	Fluke Networks
Jones	Cameron	ODVA/Rockwell	Woodman	Brad	Molex
Judson	Ward	nVent/Caddy	Zimmerman	George	CME Consulting

1.3 Current Meeting Agenda Review and Approval

The meeting agenda (TR421-2021-10-019b) was approved without objection.

1.4 Previous Meeting Report Review and Approval

The previous meeting report (TR421-2021-06-017) was approved without objection.

1.5 Intellectual property rights statement (early disclosure policy)

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

TIA has an Intellectual Property Rights (IPR) Policy. We call to the attention of participants and attendees that TIA's Policy is to encourage, but not require, the voluntary disclosure (preferably early) of Essential Patent(s) and published pending patent application(s) that may be essential to the practice of a TIA Publication. Such disclosures are to be made following the procedures of the TIA Intellectual Property Rights Policy. Additional information can be found in the TIA Intellectual Property Rights Guidelines.

1.6 Distribution of documents and contributions

The following documents were distributed on TIA Connect in the TR-42.1 Premises Telecommunications Cabling community, under Documents, in the TR-42.1 Premises Telecommunications Cabling/2021 Meetings/2021-10-Virtual folder.

Document	Title	Contributor	Company
TR421-2021-06-017	June Meeting Report	Montstream	TR-42.1
TR421-2021-10-019b	Oct Notice & Meeting Agenda - VIRTUAL	Forbes	TR-42.1
TR421-2021-10-021	TIA-862-C Default Ballot Results	Emplit	TR-42.1
TR421-2021-10-022a	TIA-942-B-1 Edge Data Center Amendment Comments Resolved	Jew	TR-42.1
TR421-2021-10-023a	TIA-4966-A Education Comments Resolved	Emplit	TR-42.1
TR421-2021-10-024	Contribution on Healthcare standard from Dave Kozischek	Kozischek	Corning
TR421-2021-10-026	TIA-568.0-E Errata Sheet Draft 1	Emplit	TR-42.1

1.7 Chairs Report and General Items

The Chair had no report but asked new attendees of the TR-42.1 subcommittee to introduce themselves.

1.7.1 Meeting Logistics

The Chair reviewed the meeting logistics for the virtual meeting using GoToWebinar.

1.8 List of Standards & TSBs from Committee

Document	Title	Date of Revision	Current Status
ANSI/TIA-568.0-E	Generic Telecommunications Cabling for Customer Premises	2020	Published
ANSI/TIA-568.0-E-1	Generic Telecommunications Cabling for Customer Premises	2021	1st Committee Ballot (deferred)
ANSI/TIA-568.1-E	Commercial Building Telecommunications Infrastructure Standard	2020	Published
ANSI/TIA-570-D	Residential Telecommunications Infrastructure Standard	2018	Published
ANSI/TIA-758-C	Customer-Owned Outside Plant Telecommunications Infrastructure Standard	2021	3rd Industry Ballot draft
ANSI/TIA-862-B	Structured Cabling Infrastructure Standard for Intelligent Building Systems	2021	Deferred publication
ANSI/TIA-942-B	Telecommunications Infrastructure Standard for Data Centers	2017	Published
ANSI/TIA-942-B-1	Addendum 1 Edge Data Centers	2021	Default Ballot
ANSI/TIA-1179-A	Healthcare Facility Telecommunications Infrastructure Standard	2017	Published
ANSI/TIA-4966-A	Telecommunications Infrastructure Standard for Educational Facilities	2021	Default Ballot
ANSI/TIA-4966-1	Telecommunications Infrastructure Standard for Educational Facilities – Addendum	2018	Published
ANSI/TIA-4994	Standard for Sustainable Communications Technology	2015	Request to remove
ANSI/TIA-5017	Telecommunications Physical Network Security Standard	2016	Published
TIA-TSB-162-B	Telecommunications Cabling Guidelines for Wireless Access Points	2020	Published
TIA-TSB-185	Environmental Classification (MICE) Tutorial – Mechanical; Ingress; Climatic/Chemical; Electromagnetic)	2017	Published
TIA-TSB-5018	Structured Cabling Infrastructure Guidelines to Support Distributed Antenna Systems	2016	Published
TIA-TSB-5046	Process for Sustainable Information Communications Technology Manufacturers	2017	Request to remove

2 Old business

2.1 ANSI/TIA-568.0-E-1 (Addendum 1 Single Balanced Twisted-Pair Use Cases and Topology):

TR-42.1 unanimously agreed to defer action on TIA-568.0-E-1 until the next meeting in January 2022, as it is dependent on another unpublished standard (TIA-568.5).

2.2 ANSI/TIA-758-C (OSP):

The 3rd industry ballot for TIA-758-C has not yet been issued.

Henry Franc provided an update on the status and raised the issue of reference to the TIA-590 standard. Because the 590 standard is old and much of the information is already in ANSI/TIA-758, Henry suggested adding all relevant information from TIA-590 into ANSI/TIA-758. There will also be an editor's note indicating that the text came from TIA-590.

TR-42.1 unanimously agreed to Henry's suggestions.

TR-42.1 will notify TR-42.11 that the intent is to incorporate relevant information from TIA−590 into ANSI-TIA-758 and eventually recommend rescinding TIA-590. A request will be submitted to TIA for a read-only copy of TIA-590 for the TR-42.1 committee.

2.3 ANSI/TIA-862-C (Intelligent Building Systems):

Ray Emplit provided an update on the default ballot. The ballot had 100% approval with no comments.

The committee voted to publish but defer publication until TIA-568.5 has been completed since this document has multiple references to TIA-568.5. (Approve: 14   Reject: 1)

2.4 ANSI/TIA-942-B-1 (Edge Data Centers):

Jonathan Jew led ballot comment resolution on ANSI/TIA-942-B-1. Resolved comments were posted as (TR421- 2021-10-022a).

TR-42.1 unanimously agreed to issue ANSI/TIA-942-B-1 for a default ballot.

2.5 ANSI/TIA-4966-A (Education):

Ray Emplit, the new editor, led ballot comment resolution on ANSI/TIA-4966-A. Resolved comments were posted as (TR421- 2021-10-023a).

TR-42.1 unanimously agreed to issue ANSI/TIA-4966-A for a default ballot.

2.6 Places of Assembly Task Group report: No Action

- On hold.

3 New Business

3.1 ANSI/TIA-568.0-E (Generic Telecommunications Cabling for Customer Premises)

Ray Emplit reviewed the TIA-568.0-E Errata Draft (TR421-2021-10-026). The errata is to fix several errors in Table 10 that were carried over from revision D. The two corrections are to fix the acceleration unit, so the exponent isn't shown as a negative 2, and change the reference from "note *b)*" to "note 2".

TR42.1 voted to approve errata & publish without objection.

3.2 ANSI/TIA-942-C (Data Centers):

Jonathan Jew, of J&M Consultants, is the editor. The PAR has been approved.

This document is on hold until TIA-942-B-1 is completed.

3.3 ANSI/TIA-1179-A (Health Care):

Dave Kozischek/Corning, the editor of 1179-A, reviewed his contribution (TR421-2021-10-024) on suggested changes to the 1179 standard. After discussion, Dave stated that he will prepare a draft for 1179-A with minor changes (updated references, etc.) and submit for ballot.

Dave will submit his suggested changes and additions as comments during the balloting process.

TR-42.1 unanimously approved a committee ballot for ANSI/TIA-1179-A.

3.3 ANSI/TIA 4994 (Standard for Sustainable ICT):

The ANSI PINS was submitted, and the comment period ended on August 15th.

TIA will inform ANSI of the withdrawal of TIA-4994. No ballot is required.

3.5 ANSI/TIA-5017 (Security):

Thar Meepegama is the editor for this document. The Chair, Diane Forbes, gave an update that Thar is in the process of preparing the document draft for ballot.

TR-42.1 unanimously approved a committee ballot for ANSI/TIA-5017.

3.6   TIA-TSB-185 (MICE):

Brad Woodman provided a verbal update that there have been no changes in the MICE tables that would require changes to TSB-185. Brad recommended to reaffirm the TSB.

TR-42.1 unanimously approved reaffirming the TSB.

Cindy Montstream will submit the Status Change Request Form (TR421-2021-10-025) to reaffirm the TSB.

3.7   TIA-TSB-5018 (DAS):

The subcommittee discussed next steps for TIA-TSB-5018 since it was last published in 2016.

After discussion of different options, the TR-42.1 subcommittee unanimously approved reaffirming the TSB-5018.

Cindy Montstream will submit the Status Change Request Form (TR421-2021-10-027) to reaffirm the TSB.

3.8   TIA-TSB-5046 (Sustainability for Manufacturers)

Cindy Montstream submitted the Status Change Request Form to withdraw TSB-5046. TIA will update the covers and send to HIS. No ballot is required.

3.8   Other new business:

There was no other new business.

4   Action Items

- Request a read-only copy of TIA-590 for TR-42.1 members to review
- Request a WORD copy of TIA-590 for the ANSI/TIA-758-C editor (Henry Franc) so he can easily copy information into TIA-758-C.
- Inform TR-42.11 about intent to incorporate information from TIA-590 into ANSI/TIA-758-C and eventually recommend rescinding TIA-590.
- Send modified "edge data center" definition, new "micro edge data center" definition and new acronym "µEDC" to TR-42.5.
- Cindy Montstream to submit Status Change Request Form to reaffirm TIA-TSB-185
- Cindy Montstream to submit Status Change Request Form to reaffirm TIA-TSB-5018

5 Meetings

5.1 Next Subcommittee meeting

- Jan 24-28, 2022 – Virtual

6 Adjournment

The meeting was adjourned on October 5 at 2:17 pm CST.

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

AVAILABILITY OF MEETING DOCUMENTS:

TR-42.1 members/participants are instructed to download contributions and other meeting documents from TIA Connect (connect.tiaonline.org) before the meeting.

To access the meeting's contributions, please follow the directions below:
- Go to connect.tiaonline.org
- Enter your *Username* (your email address in the TIA database)
- Enter your *Password*
- Click "*LOGIN"*
- Click the "*Communities"* tab and then select "*All My Communities*"
- Scroll down the page and select "*TR-42.1 Premise Telecommunications Infrastructure*"
- Click on "*Documents*" and then select the "*2021-10 Virtual*" folder

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 TIA Connect under the Standards Procedure Toolbox tab in the Form folder 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 appropriate TIA Connect folders by the EDC as soon after receipt as possible, preferably within one business day. All contributions shall be posted to the appropriate location on TIA Connect 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 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 TIA Connect within one week of meeting adjournment.

Questions and comments on this agenda should be submitted to:

Diane Forbes, Chair	diane.forbes@nis.consulting	502-246-8585

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