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

TR-42.1 Subcommittee on Premises Telecommunications

Infrastructure

Meeting Dates: 31 January - 01 February 2023

Location: Tampa, FL

Approved: 13 March 2023

Meeting Report

TIA TR-42.1 Subcommittee on Premises Telecommunications Infrastructure

Date & Time: **Tuesday, January 31, 2023: 10:00 am – 3:30 pm ET**

Wednesday, February 1, 2023: 8:00 am – 6:00 pm ET

Location: **Hybrid: Tampa, FL / GoToWebinar**

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

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

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1. Administration/General Business

1.1   Call to order

The chair, Diane Forbes, called the meeting to order at 10:00 am EST on Tuesday, January 31.

Attendees were advised of the Important Notice of Participation

TIA IMPORTANT NOTICE OF NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub-element thereof, constitutes acceptance of an agreement to be bound by all provisions of TIA Standards Development Procedures 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, Electronic Roster)

Quorum was achieved and verified by roster call. There were 36 companies forming quorum with 23 companies needed.

Meeting attendees are listed in the table below.

Telecommunications Industry Association   **1310 North Courthouse Road, Suite 890**
Arlington, VA 22201, USA   **+1.703.907.7700 MAIN**
+1.703.907.7727 FAX

Last Name	First Name	Organization	Last Name	First Name	Organization
Aekins	Rob	Legrand	Larson	Wayne	CommScope
Ahmed	Adnan	R&M	Lenz	Sean	Panduit
Arbeeny	Caspar	Belden	Levy	Moises	DCMETRIX
Babu	Suren	Panduit	Martis	Nash	Morrison Hershfield
Barrera	Dan	Trend Networks	Matos	Carlos	Belden
Born	Steve	Superior Essex	Meepegama	Thar	Global DCE
Brumit	Bobby	Google	Montstream	Cindy	Legrand
Buchter	Shelly	US Conec	Ninomiya	Tiger	Senko
Calvo	Joseba	EPI	Ochoa	Miguelangel	ITTERA
Camp	David	Belden	Pace	Joe	Dell Computer Consulting
Celella	Brian	Siemon	Patil	Mallikarjun	Data Center Media
Chiou	Dachen	Dan-Chief Technology	Payton	Scott	Global DCE
Dallmann	Rick	Cable Express	Pickles	Tim	Surtec
Drenovsky	Jeffry	ESD Global	Poulsen	Jeffrey	Leviton
Ehredt	Al	Telegartner	Pressey	Jacquelynn	US Navy
Eisele	Steve	Data Center Systems	Pyne	John	EPI
Emplit	Ray	Harger	Reece	Mark	Google
Fluet	Jacques	TIA	Royer	Tyler	Senko
Forbes	Diane	NIS	Schmalzigaug	Thomas	Huber +Suhner AG
Franc	Henry	Belden	Shuman	Brian	Belden
Fritsche	Matthias	Harting	Su	ShengKai	Dan-Chief Technology
Gakovic	Dejan	UL	Tellas	Ronald	Belden
Hamilton	Jayson	Mid Tech Group	Thibideau	Cheryl	TIA
Harpel	Todd	Leviton	Thomlinson	Les	Department of National Defence
Henriques	Fabianne	Furukawa	Thwaites	Steve	Prysmian Group
Hess	Dave	Cord Data	Valentukonis	Dave	Siemon
Hulsether	William	Tempest & Infrastructure Consulting	Vanderlaan	Paul	UL
Jeskey	Dave	Sentinel Connector Systems	Van Leent	Edward	EPI
Jew	Jonathan	J&M Consultants	Verma	Abhishek	Derwiser

Jimenez	Andrew	Wesco	Voss	Bob	Panduit
Jones	Rich	Datacom Standards	Winston	William	Fluke Networks
Judson	Ward	nVent/Caddy	Woodman	Brad	Molex
Kozischek	Dave	Corning	Zimmerman	George	CME Consulting
Lambert	Angela	Corning			

1.3 TR42.1 Sub-Committee Chair and Vice Chair Elections

Cindy Montstream was elected as Chair by acclamation.
Diane Forbes was elected as Vice-Chair by acclamation.

1.4 Current Meeting Agenda Review and Approval (TR421-2023-01-001b)

The meeting agenda (TR421-2023-01-001b) was approved without objection.

1.5 Previous Meeting Reports Review and Approval (TR421-2022-10-022)

It was brought to the committee's attention, by Wayne Larsen, that his name was misspelled in the October 2022 meeting report. Cindy Montstream committed to working with TIA to get it corrected.

The October meeting report (TR421-2022-10-022) was approved without objection.

1.6 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.

1.7 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/2023 Meetings/2023-01-Tampa folder.

Document	Title	Contributor	Company
TR421-2022-10-022	October 2022 Meeting Report	Montstream	TR-42.1

TR421-2023-01-001b	January 2023 Notice & Meeting Agenda	Forbes	TR-42.1
TR421-2023-01-003	TIA-PN-942-C rev 2.0 Comments with Editor Recommendations	Jew	TR-42.1
TR421-2023-01-004	ANSI/TIA-568.1-E-1 SP1 Comments with Editor Recommendations	Emplit	TR-42.1
TR421-2023-01-005	ANSI/TIA-758-C Comments with Editor Recommendations	Franc	TR-42.1
TR421-2023-01-006	TIA-PN-1179-B Rev 1.4 Comments with Editor Recommendations	Kozischek	TR-42.1
TR421-2023-01-007	ANSI/TIA-4966-A-1 Comments with Editor Recommendations	Emplit	TR-42.1
TR421-2023-01-008	ANSI/TIA-5017-A Comments with Editor Recommendations	Meepegama	TR-42.1
TR42-2023-01-009	568.0, 568.1 & 862 Consolidation Contribution	Emplit	Harger
TR42-2023-01-010	Edge Data Center Contribution	Payton	GDCE

1.8   Chairs Report and General Items

The Chair reminded in-person attendees to make sure that they log into GoToWebinar because that is the official record of attendance, and to keep microphones muted.

1.9   List of Standards & TSBs from Committee

The status listed for each document below has been updated to represent all new status approved during the subcommittee meeting.

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	2022	Published
ANSI/TIA-568.1-E	Commercial Building Telecommunications Infrastructure Standard	2020	Published

ANSI/TIA-568.1-E-1	Commercial Building Telecommunications Infrastructure Standard Addendum 1	2022	Approved for Publication
ANSI/TIA-570-D	Residential Telecommunications Infrastructure Standard	2018	Industry Ballot
ANSI/TIA-758-C	Customer-Owned Outside Plant Telecommunications Infrastructure Standard	2021	Default Ballot
ANSI/TIA-862-C	Structured Cabling Infrastructure Standard for Intelligent Building Systems	2022	Published
ANSI/TIA-942-C	Telecommunications Infrastructure Standard for Data Centers	2017	Industry Ballot
ANSI/TIA-1179-B	Healthcare Facility Telecommunications Infrastructure Standard	2017	Default Ballot
ANSI/TIA-4966-A	Telecommunications Infrastructure Standard for Educational Facilities	2022	Published
ANSI/TIA-4966-A-1	Telecommunications Infrastructure Standard for Educational Facilities Addendum 1	2022	Approved for Publications
ANSI/TIA-4994	Standard for Sustainable Communications Technology	2015	Inactive
ANSI/TIA-5017	Telecommunications Physical Network Security Standard	2016	Committee Ballot
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)	2021	Reaffirmed
TIA-TSB-5018	Structured Cabling Infrastructure Guidelines to Support Distributed Antenna Systems	2021	Reaffirmed
TIA-TSB-5046	Process for Sustainable Information Communications Technology Manufacturers	2017	Inactive

2   Old business

2.1   ANSI/TIA-568.1-E-1 (Commercial Building Addendum 1): (Editor: Ray Emplit)

- All ballot comments were resolved and will be posted as (TR421-2023-01-004a)
- TR-42.1 passed a motion, without opposition, to publish.

2.2   ANSI/TIA-4966-A-1 (Education Addendum 1): (Editor: Ray Emplit)

- All ballot comments were resolved and will be posted as (TR421-2023-01-007a)
- TR-42.1 passed a motion, without opposition, to publish.

2.3   ANSI/TIA-758-C (OSP): (Editor: Henry Franc)

- All ballot comments were resolved and will be posted as (TR421-2023-01-005a)
- TR-42.1 passed a motion, without opposition, to do a Default Ballot.

2.4   ANSI/TIA-1179-B Draft 1.4 (Healthcare): (Editor: Dave Kozischek)

- All ballot comments were resolved and will be posted as (TR421-2023-01-006a)
- TR-42.1 passed a motion, without opposition, to do a Default Ballot.

2.5   ANSI/TIA-5017-A (Security): (Editor: Thar Meepegama)

- Comment Resolution of Committee Ballot was not completed (TR421-2023-01-008)
- An interim meeting will be scheduled to complete comment resolution.

2.6   ANSI/TIA-942-C rev 2.0 (Data Centers): (Editor: Jonathan Jew)

- All ballot comments were resolved and will be posted as (TR421-2023-01-003b)
- TR-42.1 passed a motion, without opposition, to do an Industry Ballot.

2.7   ANSI/TIA-570-E (Residential): (Editor: Jeff Drenovsky)

- Editor reviewed the draft of the document
- TR-42.1 passed a motion, without opposition, to do an Industry Ballot.

2.8   Updating Application Tables in ANSI/TIA-568.0-E (Generic Telecommunications Cabling for Customer Premises)

- As a result of actions from the October 2022 meeting, Wayne Larsen, liaison from TIA to IEEE, requested that IEEE recommend changes needed to application tables in ANSI/TIA-568.0 by way of a liaison letter. These tables contain information about supporting IEEE applications.
- George Zimmerman reviewed a contribution summarizing the suggestions from IEEE (TR42-2023-01-005), in response to the liaison letter. He also provided a detailed markup of the tables showing the changes suggested (TR42-2023-01-004).
- George Zimmerman suggested that TIA reach out to other organizations, like Fibre Channel, to include and/or update application support information.
- There was also other discussion about moving the tables out of ANSI/TIA-568.0 and into a TSB to make it easier and faster to update the information more frequently. There was support but a final vote was not taken. The committee agreed to review a draft TSB at the June meeting and take a final vote then.
- Dave Kozischek volunteered to work with George to update the fiber applications' information. Ray Emplit also volunteered to assist with the updates. They will bring a draft for an Applications Tables TSB that will be reviewed at the June meeting. TR-42.1 will then vote on whether to permanently move the application information into a TSB, from ANSI/TIA-568.0, as shown in the draft.
- Wayne Larsen will provide a PAR for the TSB to approve the project if the committee approves moving forward with the TSB.

2.9 Discuss consolidation of 568.0, 568.1 and 862 standards

- Ray Emplit discussed his contribution on the consolidation of 568.0, 568.1 & 862 (TR421-2023-01-009).
- Ray will put together two outlines for the June meeting. The first outline will show what content would be included if ANSI/TIA-568.0 and ANSI/TIA-568.1 is combined. The second outline will show what content would be included if ANSI/TIA-862 is combined with ANSI/TIA-568.0 and ANSI/TIA-568.1 so that all three standards would be combined into one.

3 New Business

There was no new business.

4 Impact of Work from Other Subcommittees

4.1 Incoming liaison letters:

There were no incoming liaison letters.

4.2 Outgoing liaison letters:

There were no outgoing liaison letters.

4.3 Output documents for US-TAG:

There were no output documents for US-TAG.

5 Action Items

- Cindy Montstream will work with TIA to fix the spelling of Wayne Larsen's last name in the October 2022 meeting report.
- Ray Emplit will submit requests to publish ANSI/TIA-568.1-E-1 & ANSI/TIA-4966-A-1.
- Henry Franc will submit ANSI/TIA-758-C for a default ballot.
- Dave Kozischek will submit ANSI/TIA-1179-A for a default ballot.
- Jeff Drenovsky will submit ANSI/TIA-570-E for an industry ballot
- Jonathan Jew will compile changes and submit ANSI/TIA-942-C for an industry ballot
- George Zimmerman, Dave Kozischek and Ray Emplit will compile a draft for a TSB with the application tables from ANSI/TIA-568.0, including suggested changes from IEEE.
- Wayne Larsen create a PAR for the Application Table TSB, for the June meeting, in anticipation that TR-42.1 will approve moving the application tables into the TSB as opposed to leaving them in ANSI/TIA-568.0.
- Ray Emplit will compile an outline that combines ANSI/TIA-568.0 and ANSI/TIA-568.1 content into one standard for review at the June meeting.
- Ray Emplit will compile a second outline that combines ANSI/TIA-568.0, ANSI/TIA-568.1 and ANSI/TIA-862 content into one standard for review at the June meeting.

- Scott Payton will provide a definition for "catcher" to Jonathan Jew, who will send it to TR-42.5.
- Jonathan Jew will submit a definition for "Point of Use Transfer Switch" and the acronym PTS to TR-42.5.
- Diane Forbes or Cindy Montstream will schedule an interim meeting to complete comment resolution on ANSI/TIA-5017-A
- Thar Meepegama will submit a definition for "uninspectable space" to TR-42.5 once ANSI/TIA-5017-A comment resolution is complete.

6   Meetings

6.1   Future Meeting Dates

- June 5 - 9, 2023 – Location TBD

7   Adjournment

The meeting was adjourned on February 1 at 5:59 pm EST.

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 TIAOnline
- 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 meeting 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).

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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
Cindy Montstream, Vice-Chair	cindy.montstream@legrand.com	860-208-5261