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

TR-42.1 Subcommittee on Premises Telecommunications Infrastructure

Meeting Date: 15 June 2021

Location: Teleconference

Approved: 28 June 2021

MEETING REPORT

TIA TR-42.1 Subcommittee on Premises Telecommunications Infrastructure

Date: **June 15, 2021**

Time: **8:00 AM – 6:00 PM Central Standard Time (CST)**

Location: **Virtual, GoTo Webinar**

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 June 15, 2021 at 9:02 AM CST

1.2   Attendance (Call Quorum, Introductions, Electronic Roster)

Quorum was achieved and verified by roster call. There were 33 companies forming quorum with 21 companies needed.

Meeting attendees:

Last Name	First Name	Organization	Last Name	First Name	Organization
Aekins	Robert	Legrand	Kolczynski	Emmanuel	Senko
Ahmed	Adnan	R&M	Kozischek	David	Corning
Bagaria	Anand	RIT Tech	Kuniyoshi	Cristina	Furukawa
Ball	Shirley	Amazon	Larson	Wayne	CommScope
Barrera	Dan	Trend Networks	Lenz	Sean	Panduit
Born	Steve	Superior Essex	Maguire	Valerie	Siemon
Buchter	Shelly	US Conec	Meepegama	Thar	Global DCE
Calvo	Joseba	EPI	Montstream	Cindy	Legrand
Celella	Brian	Siemon	Morey	Thomas	Department of Defense
Chiou	Dachen	Dan-Chief Technology	Morimoto	Hiroshi	Schneider Electric
Cornelison	Ken	Hitachi Cable	Ninomiya	Tiger	Senko
Dallman	Rick	CABLExpress	Payton	Scott	Global DCE
Dawson	Fred	Chemours	Pickles	Tim	Surtec
Dearing	Mark	Leviton	Poulsen	Jeffrey	Leviton
DiMinico	Chris	MC Communications	Pyne	Jack	Guest
Ehredt	Al	Telegartner	Sandels	Greg	OFS
Emplit	Ray	Harger	Schirmer	Ernest	Guest
Farfan	Nelson	Siemon	Schmalzigaug	Thomas	Huber +Suhner AG
Flowerday	Matt	Capitoline	Shuman	Brian	Belden
Fluet	Jacques	TIA	Tellas	Ronald	Belden
Forbes	Diane	NIS	Thwaites	Steve	Prysmian Group
Franc	Henry	Belden	Valentukonis	Dave	Siemon
Gladhill	Tucker	JK Technology	Vanderlaan	Paul	UL
Guernon	Michel	Guest	Van Leent	Edward	EPI Pte
Hamilton	Jayson	Champion ONE	Voss	Bob	Panduit
Hess	Dave	Cord Data	Waqas	AS	Vericom Solutions
Jenkins	Teesha	TIA	Winston	William	Fluke Networks
Jeskey	David	Sentinel	Woodman	Brad	Molex
Jew	Jonathan	J&M Consultants	Xu	Sunny	CommScope
Jimenez	Andrew	Anixter	Zimmerman	George	CME Consulting
Judson	Ward	nVent/Caddy			

1.3 Current Meeting Agenda Review and Approval

The meeting agenda (TR421-2021-06-009) was approved without objection.

1.4 Previous Meeting Report Review and Approval

The previous meeting report (TR421-2021-02-008) 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/2021-06 Virtual folder.

Document	Title	Contributor	Company
TR421-2021-02-008	February Meeting Report	Jew	TR-42.1
TR421-2021-06-009	June Notice & Meeting Agenda - VIRTUAL	Forbes	TR-42.1
TR421-2021-06-010	TIA-942-B-1 Edge Data Center Amendment Comments with Editor Recommendations	Jew	TR-42.1
TR421-2021-06-010a	TIA-942-B-1 Ballot Comment Resolutions	Jew	TR-42.1
TR421-2021-06-011	TIA-862-C-1 SP2 Comments with Editor Recommendations	Emplit	TR-42.1
TR421-2021-06-011a	TIA-862-C-1 SP2 Comments Resolved	Emplit	TR-42.1
TR421-2021-06-012	Project Request TIA-942-C	Jew	TR-42.1
TR421-2021-06-013	Project Request TIA-1179-B	TR-42.1	Montstream
TR421-2021-06-014	Project Request TIA-4994	TR-42.1	Montstream

| TR421-2021-06-015 | Project Request TIA-5017-A | TR-42.1 | Montstream |
| TR421-2021-06-016 | Project Request TIA-TSB-5046 | TR-42.1 | Montstream |

1.7 Chairs Report and General Items

The Chair had no report but had the new attendees of the TR-42.1 subcommittee meeting 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
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
ANSI/TIA-862-B	Structured Cabling Infrastructure Standard for Intelligent Building Systems	2021	2nd Industry Ballot
ANSI/TIA-942-B	Telecommunications Infrastructure Standard for Data Centers	2017	Published
ANSI/TIA-942-B-1	Addendum 1 Edge Data Centers	2021	1st Committee Ballot
ANSI/TIA-1179-A	Healthcare Facility Telecommunications Infrastructure Standard	2017	Published
ANSI/TIA-4966-A	Telecommunications Infrastructure Standard for Educational Facilities	2021	2nd Industry Ballot
ANSI/TIA-4966-1	Telecommunications Infrastructure Standard for Educational Facilities – Addendum	2018	Published
ANSI/TIA-4994	Standard for Sustainable Communications Technology	2015	TBD
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	Published

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 October as it has a dependency on another unpublished standard (TIA-568.5).

2.2   ANSI/TIA-758-C (OSP): 3rd Industry Ballot

The 3rd industry ballot for TIA-758-C has not yet been issued. Henry Franc is completing changes resulting from the comment resolution on the 2nd industry ballot.

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

- Ray Emplit led ballot comment resolution on ANSI/TIA-862-C.
- Resolved comments were posted as TR421- 2021-06-011a
- TR-42.1 unanimously agreed to issue ANSI/TIA-862-C for a default ballot

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- 2021-06-010a
- TR-42.1 unanimously agreed to issue ANSI/TIA-942-B-1 for a 1st industry ballot

2.5   ANSI/TIA-4966-A (Education): 1st Industry Ballot

Diane Forbes reported that she is completing changes resulting from the comment resolution on the 1st industry ballot.

2.6   Places of Assembly Task Group report: No Action

- On hold.

3   New Business

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

- Reviewed PAR for ANSI/TIA-942-C (TR421-2021-06-012)
- The motion to accept the PAR was approved. (Approved: 16   Opposed: 2)
- PAR will be submitted to TIA once meeting report has been approved by TIA legal.

- Jonathan Jew, of J&M Consultants, volunteered to be the editor

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

- The subcommittee created a PAR (TR421-2021-06-013) to open and revise the existing ANSI/TIA-1179-A standard to develop ANSI/TIA-1179-B.
- The motion to accept the PAR to open and revise ANSI/TIA-1179-A was approved. (Approved: 14   Opposed: 0)
- PAR will be submitted to TIA once meeting report has been approved by TIA legal.
- Dave Kozischek, of Corning, volunteered to be the editor

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

- TIA was not able to get any data on usage internally or from IHS Global
- After discussion within the subcommittee about the lack of any communication or questions related to the standard, and with no data to support that it is a standard purchased and used, the subcommittee felt that it was not worth updating or reaffirming.
- The subcommittee created a PAR (TR421-2021-06-014) to withdraw the ANSI/TIA-4994 standard
- The motion to accept the PAR to withdraw ANSI/TIA-4994 was approved. (Approved: 11   Opposed: 1)

3.4 ANSI/TIA-5017 (Security):

- The subcommittee created a PAR (TR421-2021-06-015) to open and revise the existing ANSI/TIA-5017 standard to develop ANSI/TIA-5017-A.
- The motion to accept the PAR to open and revise ANSI/TIA-5017 was approved. (Approved: 11   Opposed: 0)
- PAR will be submitted to TIA once meeting report has been approved by TIA legal.
- TR-42.1 is looking for someone to volunteer to be the editor

3.5 TIA-TSB-185 (MICE):

- The subcommittee discussed whether TIA-TSB-185 should be opened and updated or reaffirmed.
- No one present in the subcommittee meeting was able to confirm that nothing has changed in the 11803 standards document that the original values came from. Therefore, a decision about what to do is deferred to the October meeting. Brad Woodman will compare the values in both documents and bring a recommendation to the October meeting about whether updates or no changes are needed.
- The subcommittee will review Brad's recommendations at the October meeting and then create a PAR to either open the TSB to revise or reaffirm it.

3.6 TIA-TSB-5018 (DAS):

- The subcommittee discussed next steps for TIA-TSB-5018 since it was last published in 2016.
- Diane Forbes suggested creating a DAS standard out of the TSB. The subcommittee members were not sure if there is sufficient content in the TSB to create a standard. Members would like to review the TSB before deciding on next steps.
- The subcommittee will request a copy of TIA-TSB-5018 to be made available to TR42.1 members.
- Decision about next steps (new standard, open and revise TSB, reaffirm TSB) will be made at the October meeting and the appropriate PAR will be created.

3.7 TIA-TSB-5046 (Sustainability for Manufacturers)

- TIA was not able to get any data on usage internally or from IHS Global
- After discussion within the subcommittee about the lack of use members have seen, and with no data to support that it is a standard purchased and used, the subcommittee felt that it was not worth updating or reaffirming.
- The subcommittee created a PAR (TR421-2021-06-016) to withdraw the ANSI/TIA-5046 standard
- The motion to accept the PAR to withdraw ANSI/TIA-5046 passed without opposition. (Approved: 12   Opposed: 0)

3.8 Other new business:

There was no other new business.

Henry Franc mentioned that TIA was doing a survey to determine if members would like to have an in-person meeting for the first meeting of 2022. The survey was closing on the next day (6/16).

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   Meetings

5.1   Next Subcommittee meeting

- October 18-22, 2021: Virtual

6   Adjournment

The meeting was adjourned on June 15 at 5:36 pm CST.

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

AVAILABILITY OF MEETING DOCUMENTS TO NON-MEMBERS:

All TIA non-members can access contributions and other meeting documents before the meeting by accessing the following TR-42.1 Standalone Library:
https://connect.tiaonline.org/communities/community-home/librarydocuments?LibraryKey=3EAA9087-C7B2-4503-9DFB-C3787088B28D

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 "*2021-06 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
Cindy Montstream, Vice-Chair	cindy.montstream@legrand.us	860-208-5261