



**Telecommunications Industry Association**

1310 North Courthouse Road, Suite 890  
Arlington, VA 22201 | [www.tiaonline.org](http://www.tiaonline.org)

**Approved by General Counsel**

TR-42.1 Subcommittee on Premises Telecommunications Infrastructure

Meeting Date(s): 05 October 2020 and 06 October 2020

Location: Teleconference

Approved: 29 October 2020

## MEETING REPORT

### TIA TR-42.1 Subcommittee on Premises Telecommunications Infrastructure

**Date:** October 5, 2020 and October 6, 2020  
**Time:** 11:15 AM – 6:00 PM Central Daylight Time (CDT)  
 8:00 AM – 6:00 PM Central Daylight Time (CDT)  
**Location:** Virtual, GoTo Webinar  
**Chair:** Diane Forbes – NIS, 503-246-8585  
**Vice-Chair:** Ray Emplit – Harger, 610-273-2648

**Meeting Notice URL:**

[http://standards.tiaonline.org/standards\\_/committees/admin/rosters/documents/TR-42.1\\_Meeting\\_2020\\_10\\_05\\_Notice\\_Agenda.pdf](http://standards.tiaonline.org/standards_/committees/admin/rosters/documents/TR-42.1_Meeting_2020_10_05_Notice_Agenda.pdf)

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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

##### 1.2 Attendance (Call Quorum, Introductions, Electronic Roster)

Meeting called to order at 11:15 am CDT Oct 5, quorum was achieved, the meeting had a recess at 5:30 pm CDT and resumed the next day at 8:00 am CDT

Attendee	Organization	Attendee	Organization
Ahmed, Adnan	R&M	Kumar, Anand	RiT Tech
Barrera, Dan	IDEAL	Larsen, Wayne	CommScope
Born, Steve	Superior Essex	Lenz, Sean	Panduit
Buchter, Shelly	US Conec Ltd.	Maguire, Valerie	The Siemon Co
Calvo, Joseba	EPI	Manley, Paul	AFL Hyperscale
Ceella, Brian	The Siemon Co	Montstream, Cindy	Legrand
Cornelison, Ken	Hitachi	Otieno, Florence	TIA

Dallmann, Rick	CABLExpress	Payton, Scott	Global Data Ctr Eng
Dearing, Mark	Leviton	Pickles, Tim	Surtec America
Diminico, Chris	MC Communications	Pyne, Jack	Prime Axiom
Emplit, Ray	Harger	Schmalzigaug, Thomas	Huber+Suhner AG
Fitzmaurice, Keith	JP Morgan Chase	Todd, Scott	Ideal
Fluet, Jacques	TIA	van Leent, Edward	EPI
Forbes, Diane	NIS	Vanderlaan, Paul	UL LLC
Harpel, Todd	Berk-Tek	Valentukonis, Dave	The Siemon Co
Hess, Dave	CORD DATA	Widawsky, Tom	HDR
Jenkins, Teesha	TIA	Winston, William	Fluke
Jew, Jonathan	J&M Consultants	Woodman, Brad	Molex
Jones, Cameron	ODVA	Young, James	CommScope
Judson, Ward	nVent	Zeleny, Jordan	Hitachi
Koziscek, David	Corning	Zimmerman, George	CME Consulting
Kuniyoshi, Cristina	Furukawa		

### 1.3 Current Meeting Agenda Review and Approval (TR421-2020-10-001c)

[Motion to approve the revised agenda carried without opposition](#)

(Notes from previous mtg:

Agenda amended to reflect late contribution from Chris Diminico regarding SP task group, SP task group is chaired by Chris Diminico and George Zimmerman.

Motion to approve amended agenda carries without opposition.

### 1.4 Previous Meeting Report Review and Approval (TR421-2020-06-019)

[Motion to approve June virtual meeting report carried without opposition.](#)

### 1.5 Intellectual property rights statement (early disclosure policy)

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.

[No declarations](#)

### 1.6 Distribution of documents and contributions

Document	Title	Contributor	Company
<a href="#">TR421-2020-06-019</a>	<a href="#">Meeting Report – June</a>	<a href="#">Jew</a>	<a href="#">J&amp;M Consultants</a>
<a href="#">TR421-2020-10-001c</a>	<a href="#">Meeting Agenda - VIRTUAL</a>	<a href="#">Forbes</a>	<a href="#">NIS</a>
<a href="#">TR421-2020-10-002</a>	<a href="#">TIA-568.0-E-1 PN1 Comments with Editor Recommendations</a>	<a href="#">Emplit</a>	<a href="#">Harger</a>
<a href="#">TR421-2020-10-002a</a>	<a href="#">TIA-568.0-E-1 PN1 Comment Resolution</a>	<a href="#">Emplit</a>	<a href="#">Harger</a>
<a href="#">TR421-2020-10-003</a>	<a href="#">TIA-862-C PN1 Comments with Editor Recommendations</a>	<a href="#">Emplit</a>	<a href="#">Harger</a>
<a href="#">TR421-2020-10-003a</a>	<a href="#">TIA-862-C PN1 Comment Resolution</a>	<a href="#">Emplit</a>	<a href="#">Harger</a>

TR421-2020-10-004	TIA-942-B-1 Mock Ballot Comments with Editor Recommendations	Jew	J&M Consultants
TR421-2020-10-004a	TIA-942-B-1 Mock Ballot Comment Resolution	Jew	J&M Consultants
TR421-2020-10-005	ANSI/TIA-758-C Comments with Editor Recommendations	Franc	Belden
TR421-2020-10-005a	ANSI/TIA-758-C Comment Resolution	Franc	Belden

## 1.7 Chairs Report and General Items

### 1.7.12 Meeting Logistics

#### 1.7.13 TIA Connect – Coming Soon (October 13)

Used for meeting administration

FTP will no longer be used for documents

New email distribution list

#### 1.7.14 Elections for odd-numbered committees next meeting

## 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	Addendum 1 Single Balanced Twisted-Pair Use Cases and Topology	2020	1 <sup>st</sup> Industry Ballot
ANSI/TIA-568.1-E	Commercial Building Telecommunications Infrastructure Standard	2020	Published
ANSI/TIA-570-D	Residential Telecommunications Infrastructure Standard	2018	No Action
ANSI/TIA-758-B	Customer-Owned Outside Plant Telecommunications Infrastructure Standard	2012	3 <sup>rd</sup> Industry Ballot
ANSI/TIA-862-B	Structured Cabling Infrastructure Standard for Intelligent Building Systems	2016	1 <sup>st</sup> Industry Ballot
ANSI/TIA-942-B	Telecommunications Infrastructure Standard for Data Centers	2017	No Action
ANSI/TIA-942-B-1	Addendum 1 Edge Data Centers	2020	1 <sup>st</sup> Committee Ballot
ANSI/TIA-1179-A	Healthcare Facility Telecommunications Infrastructure Standard	2017	No Action
ANSI/TIA-4966	Telecommunications Infrastructure Standard for Educational Facilities	2014	2 <sup>nd</sup> Industry Ballot
ANSI/TIA-4966-1	Telecommunications Infrastructure Standard for Educational Facilities – Addendum	2018	No Action
ANSI/TIA-4994	Standard for Sustainable Communications Technology	2015	To be determined, possibly send to TR-60
ANSI/TIA-5017	Telecommunications Physical Network Security Standard	2016	No Action
TIA-TSB-162-B	Telecommunications Cabling Guidelines for Wireless Access Points	2020	Pending Publication

TIA-TSB-185	Environmental Classification (MICE) Tutorial – Mechanical;Ingress;Climatic/Chemical;Electromagnetic)	2017	No Action
TIA-TSB-5018	Structured Cabling Infrastructure Guidelines to Support Distributed Antenna Systems	2016	No Action
TIA TSB-5045	Process for Sustainable Information Communications Technology Manufacturers	2017	No Action

## 2 Old business

### 2.1 ANSI/TIA-568.0-E (Generic): **No Action**

### 2.2 ANSI/TIA-568.0-E (Generic): **ANSI/TIA-568.0-E-1 1<sup>st</sup> Committee Ballot - Comment Resolution (Emplit)**

#### Contributions:

TR421-2020-10-002 TIA-568.0-E-1 PN1 Comments with Editor Recommendations (Emplit)

TR421-2020-10-002a TIA-568.0-E-1 PN1 Comment Resolution (Emplit)

#### Notes from previous mtg:

#### Contributions:

TR421-2020-06-002 TIA-568.0-E-1 Draft 0.2 (Emplit)

TR421-2020-06-011 TIA-568.0-E-1 Draft 0.2 - Comment Resolution (Emplit)

#### 2.2.1 Ballot Comment Resolution

Comments for TIA-568.0-E-1 were resolved and posted as TR421-2020-10-002a.

#### Notes from previous mtg:

Comments for TIA-568.0-E-1 were resolved and posted as TR421-2020-06-002a.

#### 2.2.2 Disposition (Ballot, Publish)

Motion to circulate the 1<sup>st</sup> industry ballot of 568.0-E-1 was approved without objection.

#### Notes from previous mtg:

Motion to circulate the 1st committee ballot of 568.0-E-1 was approved without objection.

### 2.3 ANSI/TIA-568.1-E (Commercial): **No Action**

### 2.4 ANSI/TIA-570-D (Residential): **No Action**

#### 2.4.1 Ballot Comment Resolution

#### 2.4.2 Disposition (Ballot, Publish)

## 2.5 ANSI/TIA-758-C (OSP): 2<sup>nd</sup> Industry Ballot - Comment Resolution (Franc)

Contributions:

TR421-2020-10-005      ANSI/TIA-758-C Comments with Editor Recommendations (Franc)

TR421-2020-10-005a      ANSI/TIA-758-C Comment Resolution (Franc)

Notes from previous mtg:

**Comment Resolution – Franc**

Comment resolution will be deferred to October including comments resolved by the task group

### 2.5.1 Ballot Comment Resolution

Comments for ANSI/TIA-758-C were resolved and posted as TR421-2020-10-005a.

Notes from previous mtg:

None

### 2.5.2 Disposition (Ballot, Publish)

Motion to circulate the 3<sup>rd</sup> Industry Ballot for ANSI/TIA-758-C was approved without objection

Notes from previous mtg:

None

## 2.6 ANSI/TIA-862-C (Intelligent Building Systems): 1<sup>st</sup> Committee Ballot Comment Resolution (Emplit)

Contribution:

TR421-2020-10-003      TIA-862-C PN1 Comments with Editor Recommendations (Emplit)

TR421-2020-10-003a      TIA-862-C PN1 Comment Resolution (Emplit)

Notes from previous mtg:

Contribution:

TR421-2020-06-003      TIA-862-C Draft 0.1 (Emplit)

TR421-2020-06-012      TIA-862-C Draft 0.1 - Comment Resolution (Emplit)

### 2.6.1 Ballot Comment Resolution

Comments for TIA-862-C were resolved and posted as TR421-2020-10-003a TIA-862-C Comment Resolution.

**Notes from previous mtg:**

Comments for TIA-862-C were resolved and posted as TR421-2020-06-012a TIA-862-C Mock Ballot Comments Resolved

**2.6.2 Disposition (Ballot, Publish)**

Motion to circulate the 1<sup>st</sup> industry ballot of TIA-862-C was approved without objection.

**Notes from previous mtg:**

Motion to circulate the 1<sup>st</sup> committee ballot of TIA-862-C was approved without objection.

**2.7 ANSI/TIA-942-B (Data Centers): No Action**

**Notes from previous mtg:**

The subcommittee agreed to defer the PAR for TIA-942-C until the Feb 2021 meeting to prioritize work on the Edge Data Center (EDC) Addendum.

**2.8 ANSI/TIA-942-B-1 (Edge Data Centers): Mock Ballot Comment Resolution (Jew)**

Contribution:

TR421-2020-10-004 TIA-942-B-1 Mock Ballot Comments with Editor Recommendations (Jew)

TR421-2020-10-004a TIA-942-B-1 Mock Ballot Comment Resolution (Jew)

**Notes from previous mtg:**

None

**2.8.1 Ballot Comment Resolution**

Comments for TIA-942-B-1 were resolved and posted as TR421-2020-10-004a TIA-942-B-1 Mock Ballot Comment Resolution.

**Notes from previous mtg:**

None

**2.8.2 Disposition (Ballot, Publish)**

Motion to circulate the 1<sup>st</sup> committee ballot of TIA-942-B-1 was approved without objection.

**Notes from previous mtg:**

None

**2.9 ANSI/TIA-1179-A (Health Care): No Action**

**2.10 ANSI/TIA-4966 (Education): 1st Industry Ballot - Comment Resolution (Forbes)**

No action at this meeting, document to be go out to 2<sup>nd</sup> industry ballot after incorporation of 1<sup>st</sup> industry comments

Notes from previous mtg:

1<sup>st</sup> ANSI Ballot

**2.11 ANSI/TIA-5017 (Security): No Action**

**2.12 TIA-TSB-162-B (Wireless Access Points): No Action**

**2.13 TIA-TSB-185 (MICE): No Action**

**2.14 TIA-TSB-5018 (DAS): No Action**

**2.15 Places of Assembly Task Group report: None**

**2.16 Single Pair Task Group Report: None**

**2.17 Edge Data Centers (EDC): None**

**3 New Business**

Notes from previous mtg:

**Contribution:** TR421-2020-01-007 Recognizing Fiber Optic Hybrid Cable – Corning

**Action Item:** Steve Swanson is bringing a contribution forward for recognition of fiber optic hybrid cable and a definition for hybrid and composite cable.

**Contribution:** TR421-2020-01-010 Maguire FGI Update – The Siemon Company

**Action Item:** None at this time; however, we want to keep this on the radar for upcoming documents.

**3.1 ANSI/TIA 4994 Standard for Sustainable ICT**

The subcommittee agreed to review disposition of ANSI/TIA-4994 and TIA TSB-5046 at the next meeting.

- TIA TR-42.1 and TIA to contact TR-60 leadership regarding moving responsibility for TIA-4994 to TR-60.
- Cheryl Thibideau to determine administrative steps required to move TIA-4994 responsibility from TR-42.1 to TR-60.
- Teesha Jenkins to determine sales of TSB-5046 to assist TR-42.1 in evaluating next steps, and to determine how to report sales of TR-42 standards to the subcommittees.

(Notes from previous mtg: None)

### 3.2 Combining standards

TR-42.1 unanimously agreed to merge TIA-568.0, TIA-568.1, and TIA-862 in the next revision cycle (568 F-series). TR-42.1's intent to merge these standards will be brought to the TR-42 plenary to be discussed as it impacts standards developed by other subcommittees.

(Notes from previous mtg: None)

### 3.3 Impact of Work from Other Subcommittees: **None**

(Notes from previous mtg: None)

### 3.4 Incoming liaison letters: **None**

(Notes from previous mtg: None)

### 3.3 Other new business: **None**

(Notes from previous mtg: None)

### 3.4 Outgoing liaison letters: **None**

(Notes from previous mtg: None)

## 4 Output documents for US-TAG: **None**

(Notes from previous mtg: None)

## 5 Next Subcommittee meetings

### Subsequent meetings

- 2021 Meeting schedule
  - February 1-5, 2021: Date firm, Virtual
  - June 7-11, 2021: Date firm, location TBD, preferably Canada
  - October 1-4, 2021: Date tentative, location TBD

All 2021 locations may change, as required, due to COVID

## 6 Adjournment

The subcommittee agreed unanimously to extend the meeting time to permit time to conclude its business.

The meeting ended at 12:05 pm CDT on Tuesday, October 6, 2020. This meeting was conducted in accordance with the TIA Legal Guidelines and the engineering procedures.

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**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 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 the TR-42 FTP site 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
Ray Emplit, Vice-Chair	remplit@harger.com	610-273-2648