



**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 Opening Plenary Meeting

Date: 05 June 2023

Location: Omaha, NE

Approved: 10 July 2023



## Opening Plenary Meeting Report

### TR-42 Telecommunications Cabling Systems Engineering Committee

Date: June 5, 2023  
 Time: 8:00AM-10:45AM CDT  
 Location: Omaha, NE & Hybrid Virtual GoToWebinar  
 Chair: Henry Franc  
 Vice Chair: Cindy Montstream  
 Secretary & EDC: Jonathan Jew

#### 1. Administrative/General Business

##### 1.1. Call to Order

The chair, Henry Franc, called the meeting to order at 8:07 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 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, Roster)

The attendees introduced themselves and registered attendance using the on-line system. Attendees:

Last Name	First Name	Organization	Last Name	First Name	Organization
Aekins	Robert	Legrand	Lenz	Sean	Panduit
Allen	Bill	OFS	Locker	Chris	Google
Angra	Nikhil	AFL	Martis	Nash	Morrison Hershfield
Barrera	Dan	Trend Networks	Matos	Carlos	Belden
Born	Steve	Superior Essex	McGarry	Tom	TIA
Buchter	Shelly	US Conec	Mitchell	Victoria	TIA
Cassidy	Dan	UL	Montstream	Cindy	Legrand
Chiou	Dachen	Dan-Chief	Ninomiya	Tiger	Senko
Clampitt	Zach	CommScope	Ochoa	Miguelangel	ITTERA
Connaughton	Mike	Leviton	Pace	Joe	Honda
Diminico	Christopher	MC Consulting	Patel	Mehulkumar	Legrand
Dupuis	Marc	Winchesters	Patil	M V	Data Center Media



## Opening Plenary Meeting Report

Ehredt	Al	Telegartner	Payton	Scott	Global DC Eng
Eischens	Scott	CommScope	Pickles	Tim	Surtec
Eisele	Steve	Data Ctr Systems	Poulsen	Jeffrey	Leviton
Emplit	Ray	Harger	Pressey	Jacquelynn	NAVAIR
Fluet	Jacques	TIA	Reece	Mark	Google
Forbes	Diane	NIS	Sandels	Greg	OFS
Ford	Christin	Superior Essex	Savi	Olindo	Hubbell
Franc	Henry	Belden	Schmalzigaug	Thomas	Huber Suhner
Gilbert	Jim	DXC	Shubochkin	Roman	OFS
Goldsmith	Elizabeth	GoldsmithPR	Shuman	Brian	Belden
Harpel	Todd	Leviton	Siev	Virak	Belden
He	Gang	EXFO	Stehlin	Dave	TIA
Henriques	Fabianne	Furukawa	Stikeleather	Derrick	OCC
Hess	Dave	CORD DATA	Su	Sheng-Kai	Dan-Chief
Hormmeyer	Bernd	Phoenix Contact	Tapashetti	Sunil	Data Ctr Media
Huffman	Derek	Corning	Tassone	Anthony	UL
Irwin	Phil	Panduit	Tellas	Ronald	Belden
Jahani	Hamid	Santec	Thibideau	Cheryl	TIA
Jenkins	Teesha	TIA	Thwaites	Steve	Prysmian Group
Jew	Jonathan	J&M Consultants	Valentukonis	Dave	Siemon
Jimenez	Andrew	Wesco	Vazquez	Karla	Legrand
Kozischek	David	Corning	Voss	Bob	Panduit
Kumar	Anand	RIT Tech	Woodman	Brad	Molex
Lambert	Angela	Corning	Xu	Sunny	CommScope
Larsen	Wayne	CommScope	Zimmerman	George	CME Consulting

### 1.3. Current Meeting Agenda Review and Approval

The meeting agenda (TR42-2023-06-048) 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



## Opening Plenary Meeting Report

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. TIA Welcome and Update

Dave Stehlin, CEO of TIA, presented 2023-06-070.

### 1.6. Distribution of documents and contributions

The following documents were distributed on TIA Connect in the TR-42 Telecommunications Cabling Systems community, under Documents, in the TR-42 Telecommunications Cabling Systems/2023 Meetings/2023-06 Omaha Hybrid folder

Document #	Title	Company	Contributor
2023-61-042	TR-42 Processes & Best Practices	TR-42	Franc
2023-06-043	Process Updates Resulting from 2022 ANSI Audit	TIA	Mitchell
2023-06-044	Ballot Authorization Form - RM	TIA	Mitchell
2023-06-045	Revised TR-42 Ballot Comment Form	TIA	Mitchell
2023-06-048	TR-42 Opening Plenary Agenda June 05 2023	TR-42	Franc
2023-06-049	TR-42 Closing Plenary Agenda June 09 2023	TR-42	Franc
2023-06-050	TR-42 Opening Plenary Report	TR-42	Franc
2023-06-051	TR-42.1 Opening Plenary Preview	TR-42.1	Montstream
2023-06-052	TR-42.3 Opening Plenary Preview	TR-42.3	Montstream
2023-06-053	TR-42.5 Opening Plenary Preview	TR-42.5	Tellas
2023-06-054	TR-42.7 Opening Plenary Preview	TR-42.7	Larsen
2023-06-055	TR-42.9 Opening Plenary Preview	TR-42.9	Shuman
2023-06-056	TR-42.11 Opening Plenary Preview	TR-42.11	Irwin
2023-06-057	TR-42.12 Opening Plenary Preview	TR-42.12	Kozischek
2023-06-058	TR-42.13 Opening Plenary Preview	TR-42.13	Xu
2023-06-059	NFPA Public Input Task Group Report	TR-42	Tellas
2023-06-060	IEEE 802.3 Liaison Report	IEEE 802.3	DiMinico
2023-06-061	ISO IEC JTC1 SC25 WG3 Report	US TAG	Hess
2023-06-062	IEC TC 46, IEC SC 46C & IEC SC 48B Report	US TAG	Hess
2023-06-063	IEC SC86A Liaison Report	US TAG	Kozischek
2023-06-064	IEC SC86B Liaison Report	US TAG	Huffman
2023-06-065	IEC SC86C Liaison Report	US TAG	Pondillo
2023-06-066	ODVA Liaison Report	ODVA	Jones
2023-06-067	BICSI Liaison Report	BICSI	Silviera
2023-06-068	NFPA CMP 3 Liaison Report	TIA	Judson
2023-06-069	NFPA CMP 16 Liaison Report	TIA	Poulsen
2023-06-070	TIA Overview 5.8 2023	TIA	Stehlin



## Opening Plenary Meeting Report

### 1.7. Chair's Report and General Items

#### 1.7.1. TR-42 Opening Plenary Report

The Chair presented the Opening Plenary Report (TR42-2023-06-050).

TR-42 requested that TIA determine if they can modify the voting pool for determining participation for closing ballots to only count organizations that are submitting votes (e.g., not counting voters that have not voted in the last 3 subcommittee's ballots).

#### 1.7.2. TIA Connect Reminder

TR-42 has been migrated to TIA Connect (<https://connect.tiaonline.org/home>).

- No files can be uploaded to the ftp site, but the ftp site remains available for old documents.
- All processes related to the development of a TR-42 standard are managed through TIA Connect.
- All emails to TR-42 participants will be sent via TIA Connect. The new email distribution lists are:
  - o TR-42 - [TIA-TR42@ConnectedCommunity.org](mailto:TIA-TR42@ConnectedCommunity.org)
  - o TR-42 Leadership – [TIA-TR42L@ConnectedCommunity.org](mailto:TIA-TR42L@ConnectedCommunity.org)
  - o TR-42.1 – [TIA-TR421@ConnectedCommunity.org](mailto:TIA-TR421@ConnectedCommunity.org)
  - o TR-42.3 - [TIA-TR423@ConnectedCommunity.org](mailto:TIA-TR423@ConnectedCommunity.org)
  - o TR-42.5 - [TIA-TR425@ConnectedCommunity.org](mailto:TIA-TR425@ConnectedCommunity.org)
  - o TR-42.7 - [TIA-TR427@ConnectedCommunity.org](mailto:TIA-TR427@ConnectedCommunity.org)
  - o TR-42.9 - [TIA-TR429@ConnectedCommunity.org](mailto:TIA-TR429@ConnectedCommunity.org)
  - o TR-42.11 - [TIA-TR4211@ConnectedCommunity.org](mailto:TIA-TR4211@ConnectedCommunity.org)
  - o TR-42.12 - [TIA-TR4212@ConnectedCommunity.org](mailto:TIA-TR4212@ConnectedCommunity.org)
  - o TR-42.13 - [TIA-TR4213@ConnectedCommunity.org](mailto:TIA-TR4213@ConnectedCommunity.org)
  - o USTAG SC 86A - [TIA-TAG86a@ConnectedCommunity.org](mailto:TIA-TAG86a@ConnectedCommunity.org)
  - o USTAG SC 86B - [TIA-TAG86B@ConnectedCommunity.org](mailto:TIA-TAG86B@ConnectedCommunity.org)
  - o USTAG SC 25 WG3 - [TIA-TAG25WG3@ConnectedCommunity.org](mailto:TIA-TAG25WG3@ConnectedCommunity.org)
- Email notifications to your business/personal email accounts do not include the attachments. Email attachments can be retrieved from TIA Connect.

#### 1.7.3. Updated Editors Guide

TIA Legal (Andy Kurtzman) is reviewing the TR-42 Editor's Guide approved at the last TR-42 meeting. TIA informs us that the Editor's Guide may require some minor updates to ensure that it doesn't conflict with the ECOP and PANS. Proposed updates by TIA Legal will be made with 'changes tracked'. The work by TIA will be done after the ANSI audit is complete.

#### 1.7.4. Updates to Procedures Resulting from ANSI Audit

TIA reviewed the changes to procedures resulting from the ANSI Audit still in progress. These changes are described in 2023-06-043. There are also an updated Ballot Authorization Form (2023-06-044) and an updated TR-42 Ballot Comments Form (2023-06-045). Subcommittees are encouraged to reach out to TIA with any questions regarding balloting procedures as the audit is not yet complete.

#### 1.7.5. TR-42 Documents by Subcommittee – see TR-42 Telecommunications Cabling Systems subfolder – TR-42 Publications

Subcommittee chairs are requested to update the TR-42 document list for their subcommittees.



## Opening Plenary Meeting Report

### 1.7.6. Update from TIA regarding making TIA working dictionary available to the public

TIA is willing to make the TIA Working Dictionary available for view and download and are working on the process.

### 1.7.7. Consolidation of standards – General Session Monday June 5 11:00am - 2:30pm to discuss consolidation of standards (i.e., TIA-568.0, TIA-568.1, TIA-862)

There will be a special general session meeting on Monday, June 5 from 11 am – 2:30 pm CDT to discuss consolidation of standards.

### 1.7.8. Organization of subcommittees, meeting schedules (including flex schedule)

TR-42 discussed options for reorganizing subcommittees and scheduling meetings, including options for hybrid flex schedules). GoToWebinar can notify participants of the change in the meeting time making flex scheduling of hybrid meetings possible. Only registered attendees will receive the notification We should also send a message via TIA Connect. All subcommittee chairs are asked to remind their members to register for their meetings in advance of the scheduled time, or they may miss relevant notifications.

TR-42.11, TR-42.12 and TR-42.13 are requested to use flex scheduling at the next meeting and notify members of the process.

### 1.7.9. ICEA Liaison (update regarding updating of standards and assignment of liaison)

Henry Franc appointed Dave Kozischek as the liaison from TIA TR-42 to ICEA.

### 1.7.10. Update on List of Liaisons

Liaised Organization (Other)	Liaison From Other	Liaison To Other
CSA	Vacant	vacant
ICEA	Not specified	Dave Kosichek
IEEE	Chris DiMinico	Wayne Larsen
ODVA	McKenzie Reed	Bob Voss

The liaison from TR-42 to CSA is open. Volunteers for the position are welcome.

### 1.7.11. List of Documents and Reference Recommendations

TIA to develop a list of relevant TIA standards and how to reference them for NFPA and other SDOs.

## 2. Task Group Reports

### 2.1. NEC Input Task Group Report

Ron Tellas provided an update from the NEC Input Task Group (2023-06-059) with proposed input to the next edition. TR-42 will vote to approve the contribution at the closing plenary.

## 3. Subcommittee work items this week

### 3.1. TR-42.1 – Premises Telecommunications Infrastructure

Cindy Montstream presented TR42-2023-06-051.

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

Cindy Montstream presented TR42-2023-06-052.



## Opening Plenary Meeting Report

### **3.3. TR-42.5 – Telecommunications Infrastructure Terms and Symbols**

Ron Tellas presented TR42-2023-06-053.

### **3.4. TR-42.7 – Telecommunications Copper Cabling Systems**

Wayne Larsen presented TR42-2023-06-054.

### **3.5. TR-42.9 – Industrial Telecommunications Infrastructure**

Brian Shuman presented TR42-2023-06-055.

### **3.6. TR-42.11 – Optical Fiber Systems**

Phil Irwin presented TR42-2023-06-056.

### **3.7. TR-42.12 – Optical Fibers and Cables**

David Kozischek presented 2023-06-057.

### **3.8. TR-42.13 – Passive Optical Devices and Fiber Optic Metrology**

Sunny Xu presented TR42-2023-06-058.

## **4. Liaison letters and reports**

### **4.1. Incoming liaison letters**

There were no incoming liaison letters.

### **4.2. Liaison reports**

#### **4.2.1. IEEE 802.3**

Chris DiMinico presented TR42-2023-06-060, the IEEE 802.3 report.

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

Dave Hess provided TR42-2023-06-061, the ISO IEC JTC1 SC25 WG3 Report and reviewed the highlights.

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

Dave Hess provided TR42-2023-06-062, the IEC TC 46, IEC SC 46C & IEC SC 48B Report.

#### **4.2.4. IEC TC 86**

##### **4.2.4.1. SC 86A**

David Kozischek provided TR42-2023-06-063, the SC 86A report.

##### **4.2.4.2. SC 86B**

Derek Huffman provided TR42-2023-06-064, the SC 86B report.

##### **4.2.4.3. SC 86C**

Peter Pondillo provided TR42-2023-06-065, the SC 86C report.

#### **4.2.5. ODVA/SC 65C JWG 10**

There was no ODVA Liaison Report.



## Opening Plenary Meeting Report

### 4.2.6. BICSI

Jeff Silveira provided TR42-2023-06-067, the BICSI Liaison Report to TR-42.

### 4.2.7. NFPA

#### 4.2.7.1. Panel 3

There was no NFPA CMP 3 Liaison Report as the 2023 edition was published.

#### 4.2.7.2. Panel 16

There was no NFPA CMP 16 Liaison Report as the 2023 edition was published.

### 4.2.8. FOTC

Cindy Montstream introduced the FOTC website [www.tiafotc.org](http://www.tiafotc.org) and explained that there will be new content that provides useful information regarding fiber applications and fiber standards that will be updated by Val Macguire. The application information is being developed and will be available soon. Cindy Montstream will send a link to TR-42. Contact Elizabeth (Liz) Goldsmith at [liz@goldsmithpr.com](mailto:liz@goldsmithpr.com). If you have any questions.

TIA is considering a copper version of this information.

### 4.2.9. 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 Henry Franc or Jonathan Jew by 6 pm on Thursday the week of each meeting.

The winner of last meeting's photo contest was 'Tree with Bench Swing' from Sunny Xu.

## 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

- TR-42 closing plenary to vote on approval of proposals by NEC Input Task Group (2023-06-059)
- TIA to determine if they can modify the voting pool for determining participation for closing ballots to only count organizations that are submitting votes (e.g., not counting voters that have not voted in the last 3 subcommittee's ballots and/or not counting voting companies that didn't open the ballot).





## Opening Plenary Meeting Report

- TR-42 editors and leadership to develop methods to implement ANSI requirements for determining changes to documents.
- TIA to work with TR-42 leadership to correct the balloting process, particularly for recirculation ballots, and to clarify the results of the ANSI audit.
- TIA Legal to review the TR-42 Editor's Guide and provide a changed tracked version with any proposed revisions.
- Subcommittee chairs to update the TR-42 document list and assign publications assigned to TR-42 and FO-xx.
- TR-42.11, TR-42.12 and TR-42.13 are encouraged to use flex scheduling at the next meeting and notify members of the process.
- TIA to continue discussions with ICEA regarding updating of FOTP documents and provide status to TR-42 leadership.
- TIA develop a method for access to the TIA Working Dictionary.
- TIA to develop a list of relevant TIA standards and how to reference them for NFPA and other SDOs.
- Cindy Montstream to send a link to the FOTC application webpages to TR-42.
- Henry Franc to send a notification to ICEA regarding the appointment of Dave Kozischek as the liaison from TIA TR-42 to ICEA.
- TR-42 to consider dates for 2025 meetings and finalize them during the Feb 2024 meeting.

### 7. Upcoming Meetings

#### 7.1. Next meeting

- September 25-29 2023, Tulsa, OK hybrid (date and location fixed)

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

- February 5-9 2024, hybrid (date fixed, location TBD) \*note will select 2025 dates at this meeting"
- June 3-7 2024 hybrid (date fixed, location TBD)
- October 7-11 2024 hybrid (date fixed, location TBD)

### 8. Adjournment

The meeting was adjourned at 10:44 am CDT.

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

#### AVAILABILITY OF MEETING DOCUMENTS:

TR-42 members/participants are instructed to download contributions and other meeting documents from TIA Connect ([connect.tiaonline.org](https://connect.tiaonline.org)) before the meeting.

**To access the meeting's contributions, please follow the directions below:**

- o Go to <https://connect.tiaonline.org/home>
- o Enter your *Username* (your email address in the TIA database)
- o Enter your *Password*

**Telecommunications  
Industry Association**

**1310 North Courthouse Road, Suite 890  
Arlington, VA 22201, USA**

**+1.703.907.7700 MAIN  
+1.703.907.7727 FAX**



## Opening Plenary Meeting Report

- Click “*LOGIN*”
- Click the “*Communities*” tab and then select “*All My Communities*”
- Scroll down the page and select “*TR-42 Telecommunications Cabling Systems*”
- Click on “*Documents*” and then select the subfolder for the meeting

### 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 TIA Connect under the Standards Procedures 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:**

Henry Franc, Chair	<a href="mailto:henry.franc@belden.com">henry.franc@belden.com</a>	+1 416-476-1336
Cindy Montstream, Vice-Chair	<a href="mailto:Cindy.montstream@legrand.com">Cindy.montstream@legrand.com</a>	+1 860-208-5261
Jonathan Jew, EDC & Secretary	<a href="mailto:jew@j-and-m.com">jew@j-and-m.com</a>	+1 415-515-4304