



Telecommunications Industry Association

1310 North Courthouse Road, Suite 890
Arlington, VA 22201 | www.tiaonline.org

Approved by General Counsel

TR-42 Closing Plenary Meeting

Date: 03 February 2023

Location: Tampa, FL

Approved: 16 February 2023



Closing Plenary Meeting Report

TR-42 Telecommunications Cabling Systems Engineering Committee

Date: February 3, 2023
 Time: 9:00AM-12:00PM EST
 Location: Tampa, FL & 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 9:00 AM EST

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 subelement thereof, constitutes acceptance of and agreement to be bound by all provisions of the current TIA Procedures for American National Standards (PANS) and the TIA Engineering Committee Operating Procedures (ECOP) 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. Quorum was verified by roster call. Attendees:

Last Name	First Name	Organization	Last Name	First Name	Organization
Ahmed	Adnan	R&M	Kurtzman	Andrew	TIA
Allen	William	OFS	Lambert	Angela	Corning
Angra	Nik	AFL	Larsen	Wayne	CommScope
Barrera	Dan	Trend Networks	Lee	Ben	Senko
Born	Steve	Superior Essex	Locker	Chris	Google
Buchter	Shelly	US Conec	Martis	MH Nash	Morrison Hershfield

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Cassidy	Dan	UL LLC	Matos	Carlos	Belden
Ceella	Brian	The Siemon Co	McGarry	Tom	TIA
Chiou	Dachen	Dan-Chief	Meepegama	Thar	GDCE
Connaughton	Mike	Leviton	Montstream	Cindy	Legrand
Crabbe	Owen	DND	Ninomiya	Tiger	Senko
Drenovsky	Jeff	ESD	Pace	Joe	DCC
Dupuis	Marc	Winchester	Patil	M V	DCM
Ehredt	Al	Telegartner	Payton	Scott	GDCE
Eisele	Steve	DCS	Pelletier	Antoine	Intertek
Emplit	Ray	Harger	Pressey	Jacquelynn	US Navy
Fluet	Jacques	TIA	Royer	Tyler	Senko
Forbes	Diane	NIS	Sandels	Greg	OFS
Ford	Christin	Superior Essex	Savi	Olindo	Hubbell
Fortier	Tanner	Proterial	Schmalzigaug	Thomas	Huber Suhner
Franc	Henry	Belden	Schmidt	Rainer	Harting
Gallo	Ernest	Ericsson	Shubochkin	Roman	OFS
Gilbert	Jim	DXC	Shuman	Brian	Belden
Goldstein	Seymour	Fluke	Silveira	Jeff	BICSI
Hamilton	Jayson	R&M	Stikeleather	Derrick	OCC
Harpel	Todd	Leviton	Su	ShengKai	Dan-Chief
Henriques	Fabianne	Furukawa	Tassone	Anthony	UL LLC
Hess	Dave	Cord Data	Tellas	Ronald	Belden
Hormmeyer	Bernd	Phoenix Contact	Thibideau	Cheryl	TIA
Huffman	Derek	Corning	Thomlinson	Les	DND
Irwin	Phil	Panduit	Voss	Bob	Panduit
Jahani	Hamid	Santec	Winston	William	Fluke
Jew	Jonathan	J&M Consultants	Woodman	Brad	Molex
Jimenez	Andrew	Wesco	Xu	Sunny	CommScope
Kozischek	David	Corning			

1.3. Current Meeting Agenda Review and Approval

The meeting agenda (TR42-2023-01-009) was approved without objection.

1.4. Previous Meeting Report Review and Approval

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The meeting report for the previous meeting (TR42-2022-10-134) was approved without objection

1.5. 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 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.

1.6. 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/2022 Meetings/2022-10 St Petersburg Hybrid folder:

Document #	Title	Company	Contributor
2022-10-134	TR-42 Closing Plenary Meeting Report October	TR-42	Jew
2023-01-007	TR-42 Editor's Guide 2023-01	TR-42	Emplit
2023-01-009	TR-42 Closing Plenary Agenda January	TR-42	Franc
2023-01-031	TR-42.1 Closing Plenary Review	TR-42.1	Forbes
2023-01-032	TR-42.3 Closing Plenary Review	TR-42.3	Montstream
2023-01-033	TR-42.5 Closing Plenary Review	TR-42.5	Forbes
2023-01-034	TR-42.7 Closing Plenary Review	TR-42.7	Larsen
2023-01-035	TR-42.9 Closing Plenary Review	TR-42.9	Woodman
2023-01-036	TR-42.11 Closing Plenary Review	TR-42.11	Irwin
2023-01-037	TR-42.12 Closing Plenary Review	TR-42.12	Kozischek
2023-01-038	TR-42.13 Closing Plenary Review	TR-42.13	Sandels

2. Old Business

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2.1. Liaison Letters received since the opening plenary

There were no liaison letters received since the opening plenary.

2.2. Subcommittee reports and plenary action

2.2.1. TR-42.1 – Premises Telecommunications Infrastructure

Diane Forbes presented TR42-2023-01-031.

Cindy Montstream of Legrand was elected Chair and Diane Forbes of NIS was elected Vice-Chair of TR-42.1.

TR-42.1 resolved industry ballot comments and approved publication for TIA-568.1-E-1 (Commercial Buildings, Addendum 1): It includes single pair and additional wireless access point cabling guidance.

TR-42.1 resolved industry ballot comments and approved publication for TIA-4966 (Education Addendum 1). It adds single pair guidance.

TR-42.1 resolved industry ballot comments for ANSI/TIA-758-C (*Customer-Owned Outside Plant*) and approved a default ballot.

TR-42.1 resolved industry ballot comments for ANSI/TIA-1179-A (*Health Care*) and approved a default ballot.

TR-42.1 reviewed the first draft of TIA-570-E (Residential Revision) and approved a 1st industry ballot.

TR-42.1 resolved 1st industry ballot comments to TIA-942-C (*Data Center Telecommunications Infrastructure*) and approved the 2nd industry ballot.

TR-42.1 partially resolved 1st committee ballot comments to ANSI/TIA-5017-A (Security) and will continue comment resolution at an interim meeting.

TR-42.1 discussed the revision to the TIA-568.0 application tables suggested by IEEE 802.3 and decided to create a project request in the June Meeting for a TSB with the application tables.

TR-42.1 discussed the consolidation of 568.0, 568.1, and 862. Ray Emplit will provide two outlines, one each for two approaches to consolidate the documents.

TR-42.1 discussed and rejected a motion to split the edge data center content from TIA-942.

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

Cindy Montstream presented TR42-2023-01-032.

Cindy Montstream of Legrand was re-elected Chair and Jonathan Jew of J&M Consultants was re-elected Vice-Chair of TR-42.3.

TR-42.3 approved project requests for ANSI/TIA-569-F and ANSI/TIA-607-E with Ray Emplit as editor for both documents.



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TR-42.3 approved a 1st committee ballot for TIA-607-E to be resolved in the June meeting and a 1st committee ballot for TIA-569-F after the first draft is reviewed at the June TR-42.3 meeting.

2.2.3. TR-42.5 – Telecommunications Infrastructure Terms and Symbols

Diane Forbes presented TR42-2023-01-033.

Ron Tellas of Belden was elected Chair and Scott Payton of Global Data Center Engineering was elected Vice-Chair of TR-42.5.

TR-42.5 reviewed new definitions, new acronyms, and modifications to existing definitions.

2.2.4. TR-42.7 – Telecommunications Copper Cabling Systems

Wayne Larsen presented TR42-2023-01-034.

Wayne Larsen of CommScope was re-elected Chair and Brian Ceella of The Siemon Company was re-elected Vice-Chair of TR-42.7

TR-42.7 resolved ballot comments to TIA-TSB-184-A-2, *power delivery over single-pair cabling*, and authorized a 3rd committee ballot.

TR-42.7 resolved ballot comments to ANSI/TIA-568.5 addendum 1 (*corrections to TIA-568-5 single-pair cabling*) and authorized the 3rd industry ballot. Added some items to it based on the results of the '184' ballot.

There were no comments on the default ballot of ANSI/TIA-1183-B, *balun-less measurement methods*. TR-42.7 authorized publication.

TR-42.7 reviewed contributions on single-pair multi-drop.

TR-42.7 authorized a 1st industry ballot for ANSI/TIA-568.2-E with Sean Lenz as editor.

TR-42.7 deferred until June the decision on TSB-190 (shared sheath), withdraw, revise, or re-affirm.

TR-42.7 acknowledged the contributions of Cameron Jones.

2.2.5. TR-42.9 – Industrial Telecommunications Infrastructure

Brad Woodman presented TR42-2023-01-035.

Brian Shuman of Belden was elected Chair and Brad Woodman of Molex was elected Vice-Chair of TR-42.9.

TR-42.9 completed 1st industry ballot resolution to TIA-1005-B (*Industrial Premises*) and authorized a default ballot.

TR-42.9 partially resolved 1st industry ballot comments on TIA-568.7 (*Industrial Single-Pair Ethernet*) and will continue ballot comment resolution in an interim meeting Feb 15 9 am EST.

2.2.6. TR-42.11 – Optical Fiber Systems

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Phil Irwin presented TR42-2023-01-036.

Phil Irwin of Panduit was re-elected as Chair and Tiger Ninomiya of Senko was elected Vice-Chair of TR-42.11.

TR-42.11 reviewed fiber optic standards with focus on Broadband Equity, Access, and Deployment (BEAD) Program, PON, and Outside Plant.

2.2.7. TR-42.12 – Optical Fibers and Cables

David Kozischek presented TR42-2023-01-037.

ANSI/TIA-492CAAC *Singlemode* (adopt with modifications of the IEC 60793-2-50:2018) was published Jan 21, 2022 including all amendments and changes through Errata

TIA-455-133-A (05/2003) is an adoption of the IEC 60793-1-22:2001 *Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement* has no action until IEC 60793-1-22 is published.

TIA-455-111-B (FOTP-111): adoption of IEC 60793-1-34 (*Measurement methods and test procedures – fibre curl*) was published (approval at a previous meeting)

ANSI/TIA-4920000-C adaption (adopt with modifications) of IEC 60793-2:2019

TR-42.12 approved TIA-455-3-C (FOTP-3) *Temperature Ramps and Precision* for publication at the previous meeting, but it requires editing before publication.

TR-42.12 will resolve comments to ANSI/TIA-4920000-C *Generic* adaption (adopt with modifications) of IEC 60793-2:2019 at the next TR-42.12 meeting as the committee ballot closes on April 3.

TIA-455-133-A (05/2003) adoption of the IEC 60793-1-22:2001 *Optical fibres - Part 1-22: Measurement methods and test procedures - Length measurement* has no action until IEC 60793-1-22 is published.

TIA-455-203-A (03/2009) FOTP-203 *Light Source Encircled Flux Measurement Method*: plan to adopt the IEC 61280-1-4 *Fibre Optic Communication Subsystem Test Procedures - Part 1-4: General Communication Subsystems - Light Source Encircled Flux Measurement Method* has no action until IEC 61280-1-4 is published in 2023.

TIA-455-204-A (10/2013) adoption of the IEC 60793-1-41:2010 *Optical fibres Part 1-41: Measurement methods and test procedures – Bandwidth* has no action until IEC 60793-1-41 is published in 2024.

TR-42.12 approved a ballot for TIA-455-3 (FOTP-3) *Temperature Ramps and Precision* with approval to publish if there are no technical no comments.

TR-42 approved a ballot of ANSI/TIA 492AAAF *Multimode* (adopt with modifications of IEC 60793-2-10:2019).

TR-42.12 reviewed the TIA document list and the Chair and Vice-Chair will review the master spreadsheet and come back in June with recommendations on the next batch of documents to work on.



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TR-42.12 will have a meeting on 15 March for Ink Draw-down samples for the project - TIA-455-204-A (10/2013) adoption of the IEC 60793-1-41:2010 *Optical fibres Part 1-41: Measurement methods and test procedures – Bandwidth*

David Kozischek will check with Teesha Jenkins on the following obsolete documents that show as active (FOTP 30, FOTP 54, FOTP 124).

TIA will have a discussion with ICEA regarding the status of the FOTPs and collaboration on cable document maintenance.

David Kozischek provided an ICEA Liaison Report.

2.2.8. TR-42.13 – Passive Optical Devices and Fiber Optic Metrology

Greg Sandels presented TR42-2023-01-038.

Sunny Xu of CommScope was elected as Chair and Shelly Buchter of US Conec was elected Vice-Chair of TR-42.13.

TR-42.13. approved publication of ANSI/TIA 622.4 (Adoption of IEC 61755-2-4 - *Fibre optic interconnecting devices*)

TR-42.13. approved publication of ANSI/TIA 622.5 (Adoption of IEC 61755-2-5 - *Fibre Optic Interconnecting Devices And Passive Components – Connector Optical Interfaces – Part 2-5: Connection Parameters Of Non-Dispersion Shifted Single-Mode Physically Contacting Fibres – Angled For Reference Connection Applications*)

TR-42.13 issued industry ballots for the adoption of the following three recently published IEC standards:

- ANSI/TIA-621.1 adoption of IEC 61755-1 (TIA 621 Series) - *Fibre optic connector optical interfaces - Part 1: Optical interfaces for single mode non-dispersion shifted fibres - General and guidance*
- ANSI/TIA-622.1 adoption of IEC 61755-2-1 (TIA 622 Series) - *Fibre optic connector optical interfaces - Part 2-1: Optical interface standard single mode non-angled physically contacting fibres*
- ANSI/TIA-622.2 adoption of IEC 61755-2-2 - *Fibre optic connector optical interfaces - Part 2-2: Optical interface standard single mode angled physically contacting fibres*

TR-42.13 had a guest speaking on future technologies from J Hutchins of Ranovus

TR-42.13 reviewed a presentation by Tiger Ninomiya on options for Dual LC and MPO for QSFP-DD and OSFP

2.3. NEC Public Input Task Group

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Ron Tellas mentioned that public input on behalf of TIA should be approved by the next meeting. He was appointed by the Chair to lead a Task Group to determine the input that should be made. Any interested parties should contact Ron Tellas.

2.4. TIA TR-42 Editor's Guide

TR-42 approved the draft TR-42 Editor's Guide Task Group and requests that TIA Legal review and approve, including the revised cover letter for default ballots..

2.5. Other old business

There was no other old business.

3. New Business and output documents

3.1. TIA Agenda and report new templates

There are no new templates.

3.2. Output documents

3.2.1. US TAG to ISO/IEC JTC 1 SC 25 WG 3

- TIA 568.5-1 from TR-42.7 (Ray Emplit)
- TSB 184-A-2 from TR-42.7 (Ray Emplit)

3.2.2. IEEE 802.3

- There are no documents to be sent to IEEE 802.3

3.2.3. US TAG to IEC TC 46

- None

3.2.4. Other SDOs

The following documents were approved to be sent to other SDOs

- None

3.3. New Business

3.3.1. Merging of Subcommittees

There was discussion of merging subcommittees, including merging the function of TR-42.5, merging the premises standards, and merging the optical fiber committees. The Chair asked Leadership to put the question of committee organization on the agenda for the June meeting to suggest what, if any, changes might be suggested to improve the functioning of TR-42 and its subcommittees..

3.3.2. Other New Business

There was no other new business.



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4. TR-42 Photography Contest

The winner of the photo of the year for 2022 is Pelicans by Sunny Xu

The winner this meeting's photo contest is Tree with Bench Swing by Sunny Xu

5. Action items derived from this meeting

- TR-42 to send draft Editor's Guide (TR42-2023-01-007) and to TIA Legal for approval.
- Subcommittee chairs to update the TR-42 document list and assign publications assigned to TR-42 and FO-xx.
- TIA to arrange further meetings between TIA (including TR-42 & TR-42.12 leadership) and ICEA to coordinate regarding updating of standards.
- TIA to coordinate a meeting with TIA TR42 leadership as to access to TIA Working Dictionary.
- TIA to provide location for the next meeting shortly.
- Cindy Montstream to develop the schedule for the next meeting and review it with TR-42 and subcommittee leadership.
- Jonathan Jew to submit copyright request for TIA 568.5-1 and TSB 184-A-2 for WG3 obtain copies from Ray Emplit.
- Henry Franc to assign ICEA Liaison and create a complete list of TIA Liaisons.
- Ron Tellas to hold NEC Task Group meeting to determine TIA Input to the NEC. Interested parties should contact Ron Tellas.
- Henry Franc to include discussion regarding reorganizing subcommittees or changing the way that we do scheduling in the next opening and closing plenary meeting agendas.
- TR-42 leadership and TIA to have further discussion on the ability to hold flex scheduled meetings in a hybrid manner.

6. Upcoming Meetings

6.1. Next meeting

- June 5-9, 2023, hybrid (date fixed, location TBA)

6.2. Subsequent meetings

- Sept 25-29, 2023, hybrid (date fixed, location (TBA)
- TR-42 resolved to hold hybrid meetings through 2024.
- TR-42 requests no hotels with 'Airport' in the name.
- TIA requests at least 6 months for meeting planning for face-to-face meetings.



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- Feb 5-9, 2024 (date fixed, hybrid, location TBA, recommend SE US direct flight from Orlando (if required), suggestions included Mobile, Charleston, Greenville, Chattanooga)
- June 3-7, 2024 (date fixed, hybrid, location TBA, any location in US or Canada)
- Oct 7-11, 2024 (date fixed, hybrid, recommend Hawaii to accommodate people from Asia and in future years potentially other locations outside US & Canada)
- Attendees are requested to use the TIA meeting codes when making reservations to ensure that TIA avoid penalties incurred by not meeting its room commitment.

7. Meeting schedule for June 2023

The meeting schedule for the next meeting will be developed by correspondence with 1 ½ hour breaks for lunch.

TR-42 will continue to use fixed scheduling rather than flex scheduling in June 2023, as it will be hybrid. With flex scheduling, meetings can start after the previously scheduled meeting in the same room has ended. Further discussion on the ability to hold flex scheduled meetings in a hybrid manner will be had with TIA..

8. Adjournment

The meeting was adjourned at 11:08 AM EST.

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) before the meeting.

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

- o Go to connect.tiaonline.org
- o Enter your *Username* (your email address in the TIA database)
- o Enter your *Password*
- o Click "*LOGIN*"
- o Click the "*Communities*" tab and then select "*All My Communities*"
- o Scroll down the page and select "*TR-42 Telecommunications Cabling Systems*"
- o 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

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(*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	henry.franc@belden.com	+1 416-476-1336
Cindy Montstream, Vice-Chair	Cindy.montstream@legrand.com	+1 860-208-5261
Jonathan Jew, EDC & Secretary	jew@j-and-m.com	+1 415-515-4304

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