



**Telecommunications Industry Association**

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

**Approved by General Counsel**

TR-42.11 Subcommittee on Optical

Fiber Systems

Meeting Date: 07 February 2024

Location: Charleston, SC

Approved: 28 February 2024



## Meeting Report

### TR-42.11 Optical Fiber Systems

Date: Wednesday Feb 7, 2024  
 Time: 8:00 AM - 12:00 PM EST  
 Location: Charleston, SC & Hybrid Virtual GoToWebinar  
 Chair: Phil Irwin  
 Vice Chair: Dan Morris [Interim Elect]

**Meeting Schedule:** [connect.tiaonline.org/viewdocument/...](https://connect.tiaonline.org/viewdocument/...)

**GoToWebinar Registration:** <https://attendee.gotowebinar.com/register/9114895755006567253>

#### 1. Administrative/General Business

##### 1.1. Call to Order

The chair called the meeting to order at 8:01 AM EST.

Attendees were advised of the Important Notice of Participation.

##### TIA 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 categories.**

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

The attendees introduced themselves and registered attendance using GoToWebinar.

Quorum was established by roster call with 27 of 32 quorum companies in attendance.

Elections were held for interim Vice Chair of TR42.11

##### **Motion 1:**

Move to elect Dan Morris as interim Vice Chair of TR42.11.

M (Move): Sunny Xu

S (Second): Derek Huffman

Objections or Discussions: None

Result: Pass

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## Meeting Report

The following individuals were reported as attendees:

<b>Name (1)</b>	<b>Name (2)</b>	<b>Company</b>
Belden	Tara	Belden
Adam Broughton	Sumitomo Electric Lightwave	Sumitomo Electric Lightwave
Andy Jimenez	Wesco	Wesco
Angela Lambert	Corning	Corning
Angra	Nik	AFL
Antoine Pelletier	Intertek	Intertek
Barrera	Dan	Trend Networks
Belden	Ronald Tellas	Belden
Cheryl Thibideau	TIA	TIA
Christin Ford	Superior Essex	Superior Essex
Cindy Montstream	Legrand	Legrand
Corning	David Kozischek	Corning
Cruz	Belden - Ana	Belden
Dan Cassidy	Underwriters Laboratories	Underwriters Laboratories
Dan Smith	Nest Technical	Nest Technical
Dave Valentukonis	Siemon	Siemon
Derek Huffman	Corning	Corning
Diane Forbes	NIS	NIS
Ed Gastle	VIAVI Solutions	VIAVI Solutions
Eischens	Scott	Commscope
Franc Belden	Henry	Belden
Gang He	EXFO	Exfo
Goldstein	Seymour	Fluke Networks
Gurreri	Mike	Commscope
Helmut Knehr	NEBScore	NEBScore
Henriques	Furukawa- Fabianne	Furukawa
Kose	Panduit Bulent	Panduit
Kumar	Anand	RIT Tech
Lee	Sylvanus	Leviton
M Dallmann	Richard	Cablexpress
Matos	Carlos	Belden
Mike Connaughton	Leviton	Leviton Viton
Morris	Dan	Kitcofo
Olivier Calle	Fluke	Fluke Networks
Patrick Mahoney	AECOM	AECOM Om
Patrick Tourreau	Photon Kinetics	Photon Kinetics
Phil Irwin	Panduit	Panduit
Pressey	Jacquelynn	
Roman Shubochkin	OFS -	OFS
Rosenast	Erich	Tempo
Sandels	Greg	Ofsoptics
Shad Sechrist	Lynn	Lynn
Shariff	Masood	

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Shelly Buchter	US CONEC	US CONEC
Solomon Girma	Superior Essex	Superior Essex
Steve Eisele	Data Center Systems	Data Center Systems
Sunny Xu	CommScope	CommScope
Tanis	David	Aflglobal
Thomas Knychalski	Legrand	Legrand
Thomas Schmalzigaug	HUBER SUHNER	HUBER SUHNER
Thomlinson	Les	
Toland	Henson	Hfcl
Tyler Royer	Senko	Senko
William Urbanic	Navy Surface Warfare Center	US Navy
Jew	Jonathan	J-And-M
Sheng-Kai Su	Dan-Chief	Dan-Chief
Tom McGarry	TIA	TIA

### 1.3. Current Meeting Agenda Review and Approval

The current meeting agenda has been posted.  
Reviewed agenda and moved to approve.

#### Motion 2:

Move to approve current meeting agenda TR42.11-2024-02-001.  
M (Move): Dave Kozischek  
S (Second): Dan Morris.  
Objections or Discussions: None  
Result: Pass

### 1.4. Previous Meeting Report Review and Approval

The TIA-approved report of our Sept. 2023 meeting has been posted.  
Reviewed previous meeting report and moved to approve.

#### Motion 3:

Move to approve previous meeting report TR42.11-2023-09-010.  
M (Move): Dan Morris  
S (Second): Cindy Montstream  
Objections or Discussions: None  
Result: Pass

### 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



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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 via TIAConnect:

Document #	Contributor	Company	Title or Subject
TR42.11-2023-09-010	Phil Irwin	Panduit	Prior Meeting Report Approved. Sept. 2023
TR42.11-2024-02-001a	Phil Irwin	Panduit	Proposed Meeting Notice and Agenda
TR42.11-2024-02-002	Phil Irwin	Panduit	Quorum Attendance Form
TR42-2024-02-016	Phil Irwin	Panduit	Opening Plenary Preview
TR42.11-2022-10-002	Phil Irwin	Panduit	PAR TIA-568.3-E-1 per Motion 5 June 2022
TR42.11-2023-09-003	Bulent Kose	Panduit	OTDR Tier Testing. TG consensus agreed.
TR42.11-2023-06-002	Seymour G.	Fluke	OTDR and tier testing proposed text for 568-3
TR42.11-2024-02-004	Henry Franc / Phil Irwin	Belden / Panduit	Belden 2023-06-004 Polarity PJI notes R1
TR42.11-2024-02-005	Phil Irwin	Panduit	Document List 2024 PJI R1
TR42.11-2024-02-006	Thomas S.	H & S	Ideas for polarity symbols
TR42.11-2024-02-007	Phil I.	Panduit	Proposed 1 <sup>st</sup> Ballot Document. 568.3-E-1 R0

Liaison letters, reports, or relevant activity from other standards committees; (IEC, IEEE, etc.):  
IEC SC86C Liaison report [None]. Actively looking for Liaison with IEC SC86C.

Approximate timing of agenda:

- 8:00 – 8:30: Call to order. Introduction. Report approval.
- 8:30 – 9:00: Tier testing. OTDR / LSPM
- 9:00 – 9:30: Review document maintenance list
- 9:30 – 10:00: Break [9:15 – 9:30]
- 10:00 – 11:00: Polarity and Symbols (inc. Vertically Oriented Connectivity / VSFF – Very Small Form Factor Connectivity) (consensus building and review of proposals)
- 11:00 – 11:30: Upcoming meetings and adjournment

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

Use the TIA cover sheets for contributions. Cover sheets are not needed for balloted drafts, ballot results, or comment compilations. Request a document number from chair and place on cover sheet.

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Please note that TR-42 has transitioned to TIA Connect for meeting administration and messaging and we will no longer be able to upload documents to the TIA FTP site. You will be able to retrieve old documents, but now documents will be uploaded to TIA Connect - <https://connect.tiaonline.org/home>. Please also note that the "reflector" email distribution has changed:  
Old: tr4211@tiacomm.org New: TIA-TR4211@ConnectedCommunity.org

Voting registration policy-

Three non-returned ballots will place member in the "register by document" status instead of "automatic registration" status. This is being implemented to provide a mechanism to demote the people who are auto registered but do not participate in meetings or ballots that sometimes cause insufficient return rates to allow ballot closure.

TIA Engineering Manual has been replaced by the TIA Procedures for American National Standards (PANS) and the TIA Engineering Committee Operating Procedures (ECOP). One major effect of this change is that it is no longer a requirement to update TIA only (non-ANSI) documents on a 5-year basis

## 2. Old Business

### 2.1. Actions on committee-balloted documents:

Project number	Title	Stage	Ballot open	Ballot close	Committee action
ANSI/TIA-PN-568.3-E-1	Optical Fiber Cabling Component Standard	In Development			PAR Approved. Phil I. Editor.

2.1.1. Discussions: Reviewed contributions to addendum 1 to TIA-568.3-E. Work on the draft continues with Phil Irwin as editor.

## 3. New Business

### 3.1. Contributions

Document #	Contributor	Company	Title or Subject
TR42.11-2023-09-003	Bulent Kose	Panduit	Tier Testing ad hoc TAG Overview
TR42.11-2024-02-004	Henry Franc / Phil Irwin	Belden / Panduit	Belden 2023-06-004 Polarity PJI notes R1

**Topic 1 - Tier Testing.** Scope: Clarify guidance in ANSI/TIA-568.3-E regarding Tier testing (informative annex E) and normative (clause 7) requirements for OTDR testing, including review of 526-7 and -14 and harmonization with IEC SC86C, ISO/IEC JTC1/SC25/WG3.

Bulent Kose presented TR42.11-2023-09-003: Tier Testing ad hoc TAG Overview.

Project lead and participating volunteers:

Lead: Bulent Kose.

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Volunteer Participants: Sunny X., Anna C., Mike C., Dave V., Dave K., Adam B., Ron T., Pete P., Gang H., Hamid J., Dan M., Bulent K., Lionel P., Jim H., Dan B., Ed G., Seymour G.

- Interim meeting was held to finalize text was led by Bulent on Nov. 30<sup>th</sup> (10:00 AM CT). Result was to re-affirmed prior consensus.
- Reviewed Tier Testing ad hoc TAG Overview
- Sept. Straw Poll: Support of original proposed text on the right side of slide 2 of TR42.11-2023-09-003.
  - Agree: 22, Disagree: 1, Abstain: 5 [Pass]

**Topic 2 - Polarity.** Scope: Incorporate polarity content from TSB-5069 into 568.3-E-1 addendum.

Phil Irwin and Henry Franc presented TR42.11-2024-02-004: Belden 2023-06-004 Polarity PJI notes R1

Project lead and participating volunteers:

Lead: Phil I.

Volunteer Participants: Sunny X., Henry F., Ana C., Dan S., Mike C., Dave V., Dave K., Tiger N., Adnan A., Shelly B., Adam B., Tyler R, Thomas, Scott E, Ron T., Andre

- Interim meeting was held on Jan 30.
- Reviewed new and past contributions concerning polarity symbols.
- Discussed harmonization of language (fiber color, position) and agreed upon adding polarity content into the main body of 568.3 document per interim meeting.
- Phil I. agreed to schedule Task Group interim meeting to further discuss general polarity content.
- Henry F. agreed to schedule interim meeting for symbol detail.
- Straw Poll was taken regarding content defining Vertically Oriented Connectivity. (Duplex and Array). 1 vote per company. Quorum only companies.
  - In favor of adding to 568.3: 15. Against: 5. [Pass]
  - In favor of creating a new TSB: 6. Against: 11 [Fail]
  - In favor of taking no action: 0 [Fail]

**Motion 4:**

Approve for Ballot Authorization of TIA-568.3-E-1 as a Call For Comments of TR42.11-2024-02-007.

M (Move): Dan Morris

S (Second): Cindy Montstream

Objections or Discussions: None

Result: Pass

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### 3.2. New Projects and Proposals

3.2.1. PAR approved in June meeting for addendum to ANSI/TIA 568.3-E to be (-1).

- Call for contributions for items to be included/discussed in addendum.

### 3.3. Other standards committee interactions and documents for possible adoption

None

## 4. Document Maintenance

Phil I. reviewed progress of TIA-TR42.11 document maintenance list TR42.11-2024-02-005.

## 5. Upcoming Meetings

June 3-7 2024 hybrid (date fixed, location TBD)

Oct. 7-11 hybrid (date fixed, location TBD)

## 6. Adjournment

**Motion 5:** Move to adjourn. 11:15 AM.

M (Move): Henry F.

S (Second): Cindy M.

Objections or Discussions: None

Result: Pass

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 download contributions and other meeting documents before the meeting by accessing the following TR-42.X Standalone Library:

[connect.tiaonline.org/communities/community-home/...](https://connect.tiaonline.org/communities/community-home/...)

### AVAILABILITY OF MEETING DOCUMENTS:

TR-42.11 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:**

- Go to [connect.tiaonline.org](https://connect.tiaonline.org).
- Enter your *Username* (your email address in the TIA database)
- Enter your *Password* and Click "LOGIN"
- Click the "Communities" tab and then select "All My Communities"
- Scroll down the page and select "TR-42.11 Optical Systems"
- Click on "Documents" and then select the appropriate folder

Standalone library for access the following files: -TR-42 Meeting Notice and TR-42 (sub)committee agendas

[connect.tiaonline.org/communities/community-home/...](https://connect.tiaonline.org/communities/community-home/...)

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### 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 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 folders on TIA Connect 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.

### 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:

Phil Irwin, Chair	Phillip.Irwin@panduit.com	(708) 790-3621
Dan Morris, Vice-Chair	dan.morris@kitcofo.com	