



**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: 06 June 2023

Location: Omaha, NE

Approved: 10 July 2023



## Meeting Report

### TR-42.11 Optical Fiber Systems

Date: Tues. June 6, 2023  
 Time: 8:00 am - 12:00 pm (CDT)  
 Location: (Hybrid) GoToWebinar / Embassy Suites Omaha Downtown / Old Market 555 South 10<sup>th</sup> Street Omaha, NE 68102 Tel. 402-246-9000  
 Chair: Phil Irwin  
 Vice Chair: Tiger Ninomiya

**Meeting Schedule:** [TR-42 Telecommunications Cabling Systems - Telecommunications Industry Association \(tiaonline.org\)](https://tiaonline.org)

**Registration:** Per GoToWebinar Registration.

**GoToWebinar Registration:** <https://attendee.gotowebinar.com/register/3542912767983586393>

### 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. Administrative/General Business

##### 1.1. Call to Order

Meeting called to order at 8:00 AM CDT.

Attendees advised of the Important Notice of Participation

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

Attendance will be collected via GoToWebinar

Quorum was established w/ 28 of 33 quorum companies in attendance.

The following individuals were reported as attendees.

Last Name	First Name	Email Address	Organization
ALLEN	Bill	wsallen@ofsoptics.com	OFS
Ahmadi Tameh	Belden/Tara	tara.tameh@belden.com	

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## Meeting Report

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Hayes	jim	jim@thefoa.org	FOA
Jew	Jonathan	jew@j-and-m.com	J&M Consultants, Inc
Shuman	Brian - Belden	brian.shuman@belden.com	Belden

### 1.3. Current Meeting Agenda Review and Approval

The current meeting agenda has been posted. Review agenda and move to approve.

**Motion 1:** Move to approve current meeting agenda. (TR42.11-2023-06-001)

M (Move): Henry F.

S (Second): Sunny X.

Result: Pass without objection or discussion

### 1.4. Previous Meeting Report Review and Approval

The TIA-approved report of our Feb 2023 meeting has been posted.

Review previous meeting report and move to approve.

**Motion 2:** Move to approve previous meeting reports TR42.11-2023-01-010

M: Henry F.

S: Roman S.

Result: Pass without objection or discussion

### 1.5. TIA Intellectual Property Rights (Early Disclosure Policy)

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 distributed via TIAConnect:

Document #	Contributor	Company	Title or Subject
TR42.11-2023-01-010	Phil Irwin	Panduit	Prior Meeting Reports. TIA Approved. TR42.11 Feb 2023
TR42.11-2023-06-001	Phil Irwin	Panduit	Proposed Meeting Notice and Agenda

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## Meeting Report

Document #	Contributor	Company	Title or Subject
TR42.11-2022-10-002	Phil Irwin	Panduit	PAR TIA-568.3-E-1 Addendum per Motion 5 June 2022 meeting
TR42.11-2023-01-002	Seymour Goldstein	Fluke Networks	Fiber Optic Testing Standards Overview (TIERS) v2
TR42.11-2023-06-002	Seymour Goldstein	Fluke Networks	Tier 1 / Tier 2 Proposed Text
TR42.11-2023-06-003	Bulent Kose	Panduit	Tier Testing ad hoc TAG Overview
TR42-2023-06-065	Pete Pondillo	Corning	IEC SC 86C Liaison Report
TR42.11-2023-06-004	Henry Franc	Belden	Contribution Supporting Polarity Methods and Symbols
TR42.11-2023-06-005	Gang He	Exfo	OTDR ATM

1.6.1 Liaison letters, reports, or relevant activity from other standards committees; (IEC, IEEE, etc.): IEC SC86C Liaison report (Pete Pondillo). Available on TIAConnect. Not presented in person.

### Approx. Timing of Agenda:

- 8:00 – 8:45: All to order. Introduction. Report approval.
- 8:45 – 9:55: Tier testing. OTDR / LSPM
- 9:55 – 10:15: Break
- 10:20 – 11:00: Polarity and Symbols
- 11:00 – 11:30: IEC SC86C Liaison report
- 11:30 – 12:00: 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.

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](mailto:tr4211@tiacomm.org) New: [TIA-TR4211@ConnectedCommunity.org](mailto: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.

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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.

### 3. New Business

#### 3.1. Contributions

Document #	Contributor	Company	Title or Subject
TR42.11-2023-06-003	Bulent Kose	Panduit	Tier Testing ad hoc TAG Overview
TR42.11-2023-06-004	Henry Franc	Belden	Contribution Supporting Polarity Methods and Symbols
TR42-2023-06-065	Pete Pondillo	Corning	IEC SC 86C Liaison Report

#### 3.1.1 Discussions:

#### 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.

**Polarity:** Ad Hoc group formulation for incorporating polarity content from TSB-5069 into 568.3-E-1 addendum. Project lead and participating volunteers

- Group lead: Phil I. Interested members: Sunny X., Alex R., Henry F., Ana C., Dan S., Mike C., Dave V., Dave K., Tiger N., Adnan A., Shelly B., Adam B., Tyler R
- Review of contribution by Henry F. concerning polarity symbols.
- Discussion Notes:
  - Incorporate shape data to calculate polarity symbols using visio.
  - Include Pinned / Non-pinned / None
  - Possible inclusion of polarity findings in FOTC.
  - Meeting to incorporate symbols and vertically oriented. PJI to schedule.

##### 3.2.2. Tier Testing: Request for TG (ad hoc test Task Group). Scope is to Clarify guidance in ANSI/TIA-568.3-E regarding Tier testing (informative annex E) and normative (clause 7)

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requirements for OTDR testing, including review of 526-7 and -14 and harmonization with IEC SC86C, ISO/IEC JTC1/SC25/WG3. Lead: Bulent Kose.

Volunteer Participants:	Lastname	Orgname
<b>Firstname</b>		
Ana Carolina	Cruz	Belden
Ron	Tellas	Belden
Sunny	Xu	CommScope
David	Kozischek	Corning Incorporated
Peter	Pondillo	Corning Incorporated
Gang	He	EXFO
Hamid	Jahani	JGR Optics Inc.
Dan	Morris	KITCO Fiber Optics
Alex	Richard	Legrand
Michael	Connaughton	Leviton Network Solutions
Phillip	Irwin	Panduit Corporation
Bulent	Kose	Panduit Corporation
Lionel	Provost	Prysmian Group
Adam	Broughton	Sumitomo Electric Lightwave
Jim	Hayes	The Fiber Optic Association
Dave	Valentukonis	The Siemon Company
Dan	Barrera	Trend Networks
Ed	Gastle	Viavi Solutions

- Review of contribution by Bulent K.
- Discussion Notes:
  - Sunny. Define ATM and RTM and Tier 1(total link) and 2. Add it to definitions.
  - Dan. Support. Add text for loss of each event. Not only finding faults anomalies.
  - Alex. This changes Tier testing from informative to normative. May not want that. Possibly refer to 568.3-E as Annex E instead.
  - Proposal: Accept text from contribution -002 as normative w/ edits to be resolved in Task Group meeting to be facilitated by Bulent with results to be presented in next meeting as formal contribution.
    - Agree: 17
    - Disagree: 2
    - Abstain: 3
  - Agreed to wait for future meeting to ballot document for clarification of content.

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

#### 3.3.1. None

## 4. Upcoming Meetings

Upcoming meeting dates: Sept. 25-29, 2023 (Tulsa), Feb 5-9 2024, Jun 3-7 2024, Oct. 7-11 2024.

May try flex schedule for next meetings.

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### 5. Adjournment

**Motion 3:** Move to adjourn at 11:45 AM CDT.

M: Henry F.

S: Tiger N.

Result: Pass without objection or discussion

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/...)

### 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.

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### 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
Tiger Ninomiya, Vice-Chair	Tiger.Ninomiya@senko.com	(508) 361-3405