



Telecommunications Industry Association

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

Approved by General Counsel

TR-42.11 Subcommittee on Optical Fiber

Systems Meeting Date: 07 October 2021

Location: Teleconference

Approved: 27 October 2021



Meeting Report

TR-42.11 Optical Fiber Systems

Date: Oct 7, 2021
 Time: 8:00 am - 3:00 pm (CST)
 Location: GoToWebinar (Virtual)
 Chair: Phil Irwin
 Vice Chair: Dan Morris

Meeting Schedule: see TIA's Events Calendar for the full schedule <https://tiaonline.org/events/>

Registration: (Not required for virtual meeting)

GoToWebinar Registration: <https://attendee.gotowebinar.com/register/8691979583501067278>

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

Chair called the meeting to order at 8:00 AM CST.

Attendees advised of the Important Notice of Participation.

1.2. Attendance (Call Quorum, Introductions, Roster)

Attendance collected via GoToWebinar

Chair established quorum with 22 of 27 quorum companies in attendance.

The following individuals were reported as attendees:

Last Name	First Name	Email Address	Organization
Alex Richard	Legrand	alex.richard@legrand.us	
Andrea Lizarraga	Belden	andrea.lizarraga@belden.com	
Barrera	Dan	dan.barrera@trend-networks.com	Trend Networks
Boyden	Bill	william.boyden@navy.mil	NAVAIR

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Pace	Joe	PACE@NZ6L.NET	Delta Computer Consulting, Inc.
Pete Weimann	OFS	pweimann@ofsoptics.com	OFS Fitel, LLC
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Anand Kumar Bagaria, RCDD	RIT Tech	anandk@rittech.com	RiT Tech
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Hodson	Tom	tom@totalcablesolutions.com	Total Cable Solutions
Patrick Van Vickie	Amazon	vicklp@amazon.com	
Scott Payton	GDCE	scott@globaldce.com	Global Data Center Engineering

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.

M: Dan M.

S: Sunny X.

Result: Pass without objection

1.4. Previous Meeting Report Review and Approval

The TIA-approved report of our June 2021 meeting has been posted.

Review previous meeting report and move to approve.

Motion 2:

Move to approve previous meeting report of our June 2021 meeting.

M: Dan M.

S: Pete P.

Result: Pass without objection

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:

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Meeting Report

Document #	Contributor	Company	Title or Subject
TR42.11-2021-06-015	Phil Irwin	Panduit	Prior Meeting Report. TIA Approved. TR42.11 June 2021
TR42.11-2021-10-001	Phil Irwin	Panduit	Proposed Meeting Notice and Agenda
TR42.11-2020-01-005	Phil Irwin	Panduit	ANSI/TIA-PN-568.3-E: Project Approval Request (PAR) - Approved
TR42.11-2020-01-006	Phil Irwin	Panduit	ANSI/TIA-PN-526.14-D: Project Approval Request (PAR) - Approved
TR42.11-2021-02-006	Phil Irwin	Panduit	ANSI/TIA-PN-526.28: Project Approval Request (PAR) - Approved
TR42.11-2021-06-013	Phil Irwin	Panduit	ANSI/TIA-526-7-A: Project Approval Request (PAR)
TR42.11-2021-10-002	Sunny Xu	Commscope	Balloted ANSI/TIA 568.3-E Draft 3 document
TR42.11-2021-06-011	Sunny Xu	Commscope	ANSI/TIA 568.3-E Draft 2.1 agreed comment resolution
TR42.11-2021-10-003	Sunny Xu	Commscope	ANSI/TIA 568.3-E Draft 3 draft comment resolution
TR42.11-2021-10-004	Dave Kozischek	Corning	TIA-568.3-E Method U Tables
TR42.11-2021-06-007	Seymour Goldstein	Fluke Networks	Balloted ANSI/TIA 526-14-D Draft 1. iec61280-4-1 Ed. 3.0
TR42.11-2021-06-008	Ed Gastle	Viavi	Balloted ANSI/TIA 526-28 Draft 1. iec61280-4-5 ed. 1.0
TR42.11-2021-10-005	Sunny Xu	Commscope	ANSI/TIA 568.3-E Draft 3 draft comments w/ proposed resolutions
TR42.11-2021-10-006	Sunny Xu	Commscope	[placeholder] ANSI/TIA 568.3-E Draft 3 draft comments w/ agreed resolutions
TR42.11-2021-10-007	Seymour Goldstein	Fluke Networks	Comment resolution ANSI/TIA 526-14-D Draft 1. iec61280-4-1 Ed. 3.0
TR42.11-2021-06-014	Tiger Ninomiya	Senko	Polarity Specification for New Duplex Connector Types
TR42.11-2021-10-008	Steve Swanson	Corning	TR-42 vs IEC Comparison

1.6.1 Liaison letters, reports, or relevant activity from other standards committees; (IEC, IEEE, etc.): TBD: IEC SC86C Liaison report. No liaison report at this time.

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	Optical Fiber Cabling Component Standard	3 rd Industry Ballot (Draft 3)	8/16/21	10/5/21	Ballot Results: Passed with 1 TN. Review comment resolution. Sunny Xu as editor. See Motion below.
ANSI/TIA-PN-526-14-D	Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant; IEC 61280-4-1 edition 3, Fiber-Optic Communications Subsystem Test Procedures- Part 4-1: Installed Cable Plant - Multimode Attenuation Measurement	1 st Industry Ballot (Draft 1)	5/11/21	7/12/21	Ballot Results: Passed with 67% (33 of 49) companies voting. 17 Affirmative, 1 Negative, 15 Abstain. Review comment resolution. Seymour G. as editor. as editor. See Motion below.
ANSI/TIA-PN-526-28	Fibre-optic communication subsystem test procedures - Part 4-5: Installed cabling plant - Attenuation measurement of MPO terminated fibre optic cabling	1 st Industry Ballot (Draft 1)	3/11/21	5/10/21	Ballot Results: Pass w/ 65% of companies voted: 22 Affirmative, 10 Abstain, 0 Negative w/comments. Document Published

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	plant using test equipment with MPO interfaces				<i>IEC is working corrigendum (same as errata) to correct information in base IEC doc.</i>
ANSI/TIA-526-7-A (2021)	Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant	PAR Approval (Draft 1)	TBD	TBD	Review document in preparation for 1 st Industry Ballot as Re-affirmation. Ballot authorization form submitted. Phil I. as editor.

Motion 3:

Move to industry ballot (clean version) ANSI/TIA 568.3-E Draft 4 based on agreed comment resolution.

M: Sunny X.

S: Pete P.

Result: Pass without objection

Motion 4:

Move to default ballot ANSI/TIA-PN-526-14-D Draft 2 based on agreed comment resolution and correspondence.

M: Seymour G.

S: Dan M.

Result: Pass without objection

3. New Business

3.1. Contributions

TR42.11-2021-10-004	Dave Kozischek	Corning	TIA-568.3-E Method U Tables
TR42.11-2021-10-008	Steve Swanson	Corning	TR-42 vs IEC Comparison

3.1.1 Discussion regarding addition of Method U polarity and transition U. Phil (Primary), Pete, Sunny, Greg, Alex. Discussed during comment resolution of 568.3-E.

3.1.2 Discussion regarding revisions to Annex A and relationship to IEC 61753-1. Steve (primary), Phil, Sunny, Greg. Discussed during comment resolution of 568.3-E.

3.1.3 Formation of task group for Polarity of VSFF connectivity. Timing to be determined based on consensus. Shelly to send our email near end of month.

TIA-590-A: Referenced in TIA-758. Propose discussion next meeting to act. Henry to make document available.

Discussion of whether or not we should allow all members to view others votes during balloting:
Results: In Favor (11), against (4), abstain (3)



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3.2. New Projects and Proposals

- 3.2.1. Discussed motion regarding TIA-526-7-A (2015) Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant. 526-7-A is currently an adoption of IEC 61280-4-2 ed. 2 and is up for revision to ed. 3. Re-affirmation for ANSI 5 year maintenance of TIA-526-7-A (2015)

Prior motion from Feb. 2021 meeting passed to approve PAR to re-affirm TIA-526-7-A to abide by ANSI 5 year maintenance.

Prior motion from June 2021 meeting passed to ballot ANSI/TIA-526-7-A (2015) as re-affirmation to become ANSI/TIA-526-7-A (2021). Ballot approval procedure in process.

ANSI/TIA-526-7-A (2021): The PAR has been processed (see attached) and we are waiting for the ANSI review period ends on October 31st and the ballot can be processed on November 1st. IEC 61280-4-2 ed. 2 is current. Ed. 3 currently being worked on in IEC, but will take time to complete. Agree to continue with ed. 2.

3.3. Other standards committee interactions and documents for possible adoption

- 3.3.1. None

4. Upcoming Meetings

Upcoming meeting dates TBD. Jan 24-28th.

5. Adjournment

Motion #: Move to adjourn at 3:00.

M: Dan M.

S: Sunny X.

Result: Pass without objection

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

AVAILABILITY OF MEETING DOCUMENTS:

TR-42.11 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:

- Go to connect.tiaonline.org
- Enter your *Username* (your email address in the TIA database)
- Enter your *Password*
- Click "LOGIN"
- Click the "Communities" tab and then select "All My Communities"

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- Scroll down the page and select "*TR-42.11 Optical Systems*"
- Click on "*Documents*" and then select the "*2021-02 Virtual*" folder

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 (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:

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