



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(s): 16 and 17 June 2021

Location: Teleconference

Approved: 30 June 2021



Meeting Report

TR-42.11 Optical Fiber Systems

Date: June 16, 2021
 Time: 8:00 am -12:00 pm (CST). Continued June 17, 2021 10:00 AM – 12:30 PM
 Location: GoToWebinar (Virtual)
 Chair: Phil Irwin
 Vice Chair: Dan Morris

Meeting Schedule:

Registration: (Not required for virtual meeting)

GoToWebinar Registration: <https://attendee.gotowebinar.com/register/1840518008006890507>

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.

Attendees advised of the Important Notice of Participation.

1.2. Attendance (Call Quorum, Introductions, Roster)

Attendance collected via GoToWebinar

Chair established quorum with 24 of 28 quorum companies in attendance.

The following individuals were reported as attendees:

Last Name	First Name	Email Address	Organization
Ahmed	Adnan	adnan.ahmed@rdm.com	R&M
Alex Richard	Legrand	alex.richard@legrand.us	Legrand
Bernstein	Gary	gary_bernstein@siemon.com	The Siemon Company
Broughton	Adam	abroughton@sumitomo.com	Sumitomo Electric
Cheryl Thibideau	TIA	cthibideau@tiaonline.org	TIA
Christin Ford	Superior Essex	christin.ford@spsx.com	Superior Essex PDC

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Cruz	Belden - Ana	ana.cruz@belden.com	Belden
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Dave Valentukonis	Siemon	dave_valentukonis@siemon.com	
Derek Huffman	Corning	huffmand@corning.com	Corning
Gang HE	EXFO	gang.he@exfo.com	EXFO
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McCloud	Sean	smccloud@leviton.com	Leviton
Morris	KITCO - Dan	dan.morris@kitcofo.com	KITCO Fiber Optics
Ninomiya	Tiger	tiger.ninomiya@senko.com	SENKO
Oliver	Nelson	nelson.olver@belden.com	Belden
Patrick Turreau	Photon Kinetics	patrick.turreau@pkinetics.com	Photon Kinetics
Pete Weimann	OFS	pweimann@ofsoptics.com	OFS Fitel, LLC
Phil Irwin	Panduit	phillip.irwin@panduit.com	Panduit
Pondillo	Peter	pondillopl@corning.com	Corning
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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: Greg S.

Result: Pass without objection

1.4. Previous Meeting Report Review and Approval

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

Review previous meeting report and move to approve.

Motion 2:

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

M: Dan M.

S: Sunny X.

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:

Document #	Contributor	Company	Title or Subject
TR42.11-2021-02-008	Phil Irwin	Panduit	Prior Meeting Report. TIA Approved. TR42.11 Feb 2021
TR42.11-2021-06-001	Phil Irwin	Panduit	Proposed Meeting Notice and Agenda
TR42-2021-06-060a	Henry Franc	Belden	TR-42 June 2021 Meeting Schedule and GTW Links
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



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Document #	Contributor	Company	Title or Subject
TR42.11-2021-02-006	Phil Irwin	Panduit	ANSI/TIA-PN-526.28: Project Approval Request (PAR) - Approved
TR42.11-2021-06-002	Sunny Xu	Commscope	Balloted ANSI/TIA 568.3-E Draft 2.1 document
TR42.11-2021-06-003	Sunny Xu	Commscope	ANSI/TIA 568.3-E Draft 2.0 agreed comment resolution
TR42.11-2021-06-004	Sunny Xu	Commscope	ANSI/TIA 568.3-E Draft 2.1 draft comment resolution
TR42.11-2021-06-005	Sunny Xu	Commscope	TIA-568.3-E Type-U Fiber Transition. Proposal based on call-for-contributions per correspondence members
TR42.11-2021-06-006	Phil Irwin	Panduit	TIA-568.3-E Connectivity Method U
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
TR42-2021-06-078	Pete Pondillo	Corning	SC 86C Liaison Report
TR42.11-2021-06-0010	Sunny Xu	Commscope	ANSI/TIA 568.3-E Draft 2.1 draft comments w/ proposed resolutions
TR42.11-2021-06-011	Sunny Xu	Commscope	[placeholder] ANSI/TIA 568.3-E Draft 2.1 draft comments w/ agreed resolutions
TR42.11-2021-06-012a	Ed Gastle	Viavi	ANSI/TIA 526-28 Draft 1. iec61280-4-5 ed. 1.0 Comment Resolution
TR42.11-2021-06-013	Phil Irwin	Panduit	PAR form ANSI/TIA-526-7-A
TR42.11-2021-06-014	Tiger Ninomiya	Senko	Polarity Specification for New Duplex Connector Types

1.6.1 Liaison letters, reports, or relevant activity from other standards committees; (IEC, IEEE, etc.): IEC SC86C Liaison report presented by Pete Pondillo.

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@tiaonline.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

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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	2 nd Industry Ballot	4/9/21	6/7/21	Ballot Results: Pass w/ 61% of companies voted: 12 Affirmative, 4 Negative, 14 Abstain. Review comment resolution of ANSI/TIA 568.3-E Draft 2.1. Sunny Xu as editor. See Motion below. All comments resolved.
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	5/11/21	7/12/21	Ballot Results: TBD. To date, no comments to resolve. Seymour as editor. Ballot to close 7/12. Amendment 1 of base IEC std (SC86C) estimated to be complete mid 2022. Comments noted in IEC related to term (bend insensitive) [BIMMF] as name will change in IEC to become "enhanced macrobend loss fiber" as in IEC 60793-2-10. Reference 492AAAF.
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 plant using test equipment with MPO interfaces	1 st Industry Ballot	3/11/21	5/10/21	Ballot Results: Pass w/ 65% of companies voted: 22 Affirmative, 10 Abstain, 0 Negative w/comments. Review comment resolution. Ed G. as editor. See Motion below. All comments resolved.



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ANSI/TIA-526-7-A (2015)	Measurement of Optical Power Loss of Installed Single-Mode Fiber Cable Plant	PAR Approval	TBD	TBD	Review document in preparation for 1 st Industry Ballot as Re-affirmation. See Motion below.
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Motion 3:

Move to ballot ANSI/TIA 568.3-E Draft 3 based on agreed comment resolution.

M: Dave K.

S: Dan M.

Result: Pass without objection

Motion 4:

Move to Publish ANSI/TIA-PN-526.28 as an adoption of IEC 61280-4-5:2020 © IEC 2020 with foreword identifying editorial corrections. Create US contribution to IEC SC86C WG1 with agreed comment resolution.

M: Phil I.

S: Dan M.

Result: Pass without objection

3. New Business

3.1. Contributions

TR42.11-2021-06-005	Sunny Xu	Commscope	TIA-568.3-E Type-U Fiber Transition. Proposal based on call-for-contributions per correspondence members
TR42.11-2021-06-006	Phil Irwin	Panduit	TIA-568.3-E Connectivity Method U
TR42.11-2021-06-014	Tiger Ninomiya	Senko	Polarity Specification for New Duplex Connector Types

3.1.1 Discussion regarding addition of Method U polarity and transition U. Phil (Primary), Pete, Sunny, Greg, Alex. Dave V, Mark D, Dave K to be added to interim correspondence.

3.1.2 Discussion regarding revisions to Annex A and relationship to IEC 61753-021-2. Steve (primary), Phil, Sunny, Greg.

No technical no's pertaining to ANNEX A (NORMATIVE) OPTICAL FIBER CONNECTOR PERFORMANCE SPECIFICATIONS. Steve S. has provided context to possible future changes.

- We may want to replace Annex A with a reference to IEC 61753-021-2 (we may end up back adopting this in TR-42.13 anyway)
- If not, we would point out the following key differences
 - IEC uses loss grades (multimode yields the 0.75dB (which I think is high) and single-mode is different)
 - Annex A does not include Vibration
 - Annex A does not include Temperature Cycling
 - IEC includes Torsion, TIA Twist (I don't know the difference but they are different)
 - Both include Flex but the requirements are different
 - Both include Mating Durability but the requirements are different
 - The sample sizes are different



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3.2. New Projects and Proposals

- 3.2.1. Discuss 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. TIA / Teesha to submit BSR11 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.

Motion 5:

Move to Ballot ANSI/TIA-526-7-A (2015) as re-affirmation to become ANSI/TIA-526-7-A (2021)

M: Phil I.

S: Pete P.

Result: Pass without objection. Phil I. as Editor.

3.3. Other standards committee interactions and documents for possible adoption

- 3.3.1. None

Motion to extend quorum to 1:30 PM CT.

M: Dan M.

S: Phil I.

Motion to continue w/ quorum following TR42.13 10:00 AM CST Thursday 6/17.

M: Dan

S: Greg

Motion to extend quorum of Thursday's meeting to 12:30 AM CST.

M: Phil

S: Dan

4. Upcoming Meetings

Upcoming meeting dates TBD.

5. Adjournment

Motion 6:

Move to adjourn.

M: Phil I.

S: Dan M.

Result: Pass without objection

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



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AVAILABILITY OF MEETING DOCUMENTS TO NON-MEMBERS:

All TIA non-members can access contributions and other meeting documents before the meeting by accessing the following TR-42.11 Standalone Library:

<https://connect.tiaonline.org/communities/community-home/librarydocuments?LibraryKey=3EAA9087-C7B2-4503-9DFB-C3787088B28D>

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:

- 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-42.11 Optical Systems"
- o Click on "Documents" and then select the "2021-06 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	

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