



Telecommunications Industry Association

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

Approved by General Counsel

TR-42.12 Subcommittee on Optical Fibers
and Cables

Meeting Date: 07 February 2024

Location: Charleston, SC

Approved: 26 February 2024



Meeting Report

TR-42.12 Optical Fibers and Cables

Date: Wednesday 2024.02.07
 Time: 1:30PM – 4:15PM (EDT)
 Location: In-person (Charleston, SC) and Virtual GoToWebinar
 Chair: Dave Kozischek (Committee Support: Cheryl Thibideau)
 Vice Chair: Roman Shubochkin (Outgoing) Ron Tellas (Incoming)

Meeting Was Scheduled For: Wednesday Feb 7, 1:30PM – 6:00PM (EDT)

Meeting Actual Time: Wednesday Feb 7, 1:30PM – 4:15PM (EDT)

Registration: (required as meeting is in person)

GoToWebinar Registration:

Please note that you must register for the event by clicking on the registration link. If you do not register, you will not be able to attend the meeting.

Here is the GTW link to register:

<https://register.gotowebinar.com/register/3929921075321908319>

IEC SC86A Fibres and Cables US TAG Meeting will not be held in conjunction with the TIA TR42 Meetings and will be scheduled at a later date

Hotel Information

The Limited Hotel
 425 Meeting Street
 Charleston, SC 29403
 Tel. (843) 718-2327

Hotel Booking Group Link

Booking Link: [Book your group rate for TR-42](#)

You may also phone in your reservation by calling: (843) 718-2327

Please be sure and reference "TIA TR-42" to ensure you're included in our room block and receive the contracted rate

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Meeting Report

1. Administrative/General Business

1.1. Call to Order

1:37PM EST

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

leadership motions taken, All passed

Chair re-elect Dave Kozischek

Vice Chair Ronald Tellas

- TR-42.12 Chair motion Phil Irwin, second Sunny Xu
- TR-42.12 Vice-Chair motion Derek Huffman, second Christin Ford.



Meeting Report

1.2. Attendance (Call Quorum, Introductions, Roster)

Meeting sign-in link: attendance will be collected via GoToWebinar

Quorum achieved with 25 companies attending forming quorum versus 18 needed.

Attendees:

Last Name	First Name
(Belden)	Tara
ALLEN	Bill Allen
Adam Broughton	Sumitomo Electric Lightwave
Angela Lambert	Corning
Angra	Nik
Belden	Ronald Tellas
Cheryl Thibideau	TIA
Christin Ford	Superior Essex
Corning	David Koziscek
Dan Cassidy	Underwriters Laboratories
Dan Smith	Nest Technical
Dave Valentukonis	Siemon
Derek Huffman	Corning
Eischens	Scott
Gang He	EXFO
Goldstein	Seymour
Helmut Knehr	NEBScore
Henriques	Furukawa- Fabianne
Henry Rice	Proterial Cable America
Kose	Panduit Bulent
Kumar	Anand
Lee	Sylvanus
M Dallmann	Richard
Marino Cruz	Belden - Ana
Matos	Carlos
McCloud	Sean
Miguelangel Ochoa	ITTERA
Mike Connaughton	Leviton
Mike Gurreri	CommScope -
Olivier Calle	Fluke
Patrick Mahoney	AECOM
Patrick Tourreau	Photon Kinetics
Phil Irwin	Panduit
Pressey	Jacquelynn
Roman Shubochkin	OFS -
Rosenast	Erich
Sandels	Greg
Scarpaci	Annabelle
Shad Sechrist	Lynn
Shelly Buchter	US CONEC
Solomon Girma	[Superior Essex communication]
Stover	Michael
Sunny Xu	CommScope
Tanis	David
Thomas Knyschalski	Legrand
Thomas Schmalzigaug	HUBER SUHNER
Thomlinson	Les
Toland	Henson
Tyler Royer	[Senko]
William Urbanic	Navy Surface Warfare Center Dahlgren
Zach Clampitt	CommScope -

Roll Call:

34 Companies listed in quorum				Total members at meeting		31
18 Companies needed to form quorum						
25 Companies attending forming quorum						
Quorum Achieved!!!						
Member Status	Company	Send attendance letter	Attained voting status this mtg	Voting member at beginning of this mtg	Number of the last 3 mtgs attended	Hybrid Charleston, SC 7-Feb
ME	AEM			Voting	Voting	1
ME	AFL			Voting1	Voting	3
ECP	Belden Networks Division			Voting1	Voting	3
ECP	BICSI					
ME	Cable Express			Voting1	Voting	3
ECP	CNet Training					
ME	CommScope			Voting1	Voting	3
ECP	Conduumex SA de CV					
ECP	CORD DATA					
ME	Corning Incorporated			Voting1	Voting	3
ECP	Dan-Chief Technology Co., Ltd.					1
ME	DCS (Data Center Systems)			Voting	Voting	2
ME	Ericsson			Voting	Voting	1
ME	EXFO			Voting1	Voting	3
ME	Fluke			Voting1	Voting	1
ME	Furukawa			Voting1	Voting	2
ME	GDCE (Global Datacenter Engineering)			Voting	Voting	2
ECP	Google			Voting	Voting	2
ME	Harger, Inc.					
ME	HFCL			Voting1	Voting	2
ECP	Hubbell Inc.					
ECP	Huber + Suhner			Voting1	Voting	3
ME	Intertek					
ECP	J&M Consultants, Inc.					
ECP	KITCO Fiber Optics			Voting	Voting	3
ME	Legrand			Voting1	Voting	3
ME	Leviton			Voting1	Voting	3
ECP	LYNN		Voting	1		1
ECP	MC Communications					
ECP	Molex, Inc					
ME	NAVSEA / NAVAIR			Voting1	Voting	1
ME	Nest Technical Services, Inc.			Voting1	Voting	3
ECP	NetGemini, Inc.					
ECP	NIS					
ECP	nVent/CADDY					
ME	OFS			Voting1	Voting	3
ME	OCC (Optical Cable Corporation)			Voting1	Voting	3
ECP	OptoTest Corp.					
ME	Panduit Corp.			Voting1	Voting	3
ME	PK (Photon Kinetics, Inc.)			Voting1	Voting	3
ME	Prismian Group, The					
ME	R&M	Send Ltr		Voting	Voting	1
ME	Santec Canada Corporation (OptoTest Corp)			Voting	Voting	2
ME	Senko			Voting1	Voting	3
ME	Siemon			Voting1	Voting	3
ECP	Sumitomo Electric			Voting1	Voting	3
ME	Superior Essex			Voting1	Voting	3
ECP	Surtec					
ME	Tempo			Voting1	Voting	2
ME	Total Cable Solutions					
ECP	The Fiber Optic Association					
ME	Trend Networks			Voting	Voting	1
ME	UL (Underwriters Laboratories)			Voting1	Voting	2
ME	USConec LTD			Voting1	Voting	3
ME	Viavi Solutions					
ME	Wirewerks					
	DND			1		1
	NEBSCore			1		1
	RIT TECH			1		1
	Proterial Cable America			1		1
	AECOM			1		1

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Meeting Report

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: Phil Irwin S: Derek Huffman Result: Passed

Meeting agenda document "TR42.12-2024-02-001.agenda.docx" was xxx.

1.4. Previous Meeting Report Review and Approval

The TIA report of the Sept meeting has been posted.

Motion 2: Move to approve Sept meeting report.

M: Derek Huffman S: Roman Shubochkin Result: Passed

Meeting agenda document "TR42.12-2023-09-023_meeting-report_Final" was approved

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.



Meeting Report

1.6. Distribution of documents and contributions

The following documents distributed via TIACConnect **Table 1. Contributions**

Document	Contributor	Affiliation	Title
TR42.12-2024-02-001	Dave Kozischek	Corning	Meeting Agenda
TR42.12-2024-02-002	David Kozischek	Corning	TR42.11/12/13 Master Doc List (v.3)
TR42.12-2024-02-003	Michael Stover	OCC	ICEA Liaison Report
TR42.12-2024-02-004	David Kozischek	Corning	IEC Liaison Report
TR42.12-2024-02-005	David Kozischek	Corning	ITU_T Liaison Report
TR42.12-2024-02-006	Zach Clampitt	Comscope	FOTP-84 Draft Review
TR42.12-2024-02-007	David Kozischek	Corning	FOTP-16 Reaffirm Ballot
TR42.12-2024-02-008	David Kozischek	Corning	FOTP-25 Reaffirm Ballot
TR42.12-2024-02-009	David Kozischek	Corning	FOTP-455 Reaffirm Ballot
TR42.12-2024-02-010	David Kozischek	Corning	FOTP-48 Reaffirm Ballot
TR42.12-2024-02-011	David Kozischek	Corning	FOTP-56 Reaffirm Ballot
TR42.12-2024-02-012	David Kozischek	Corning	FOTP-71 Reaffirm Ballot
TR42.12-2024-02-013	David Kozischek	Corning	FOTP-86 Reaffirm Ballot
TR42.12-2024-02-014	David Kozischek	Corning	FOTP-104 Reaffirm Ballot
TR42.12-2024-02-015	David Kozischek	Corning	FOTP-234 Reaffirm Ballot
TR42.12-2024-02-016,17	Derek Huffman	Corning	FOTP-81 Comm, Ballot review
TR42.12-2024-02-018	Thomas Schmalzigaug	H+S	TIA-455-3C Draft 4.2
TR42.12-2024-02-019	Thomas Schmalzigaug	H+S	TIA-455-3C Comments
TR42.12-2024-02-020	Thomas Schmalzigaug	H+S	TIA-455-3C Ballot Review
TR42.12-2024-02-021	Michael Stover	OCC	TIA-455-88 Draft Review
TR42.12-2024-02-022	Michael Stover	OCC	TIA-455-89 Draft Review
TR42.12-2024-02-023	Michael Stover	OCC	TIA-455-91 Draft Review
TR42.12-2024-02-024	Michael Stover	OCC	TIA-455-98 Draft Review
TR42.12-2024-02-025	Michael Stover	OCC	TIA-455-88 Ballot Review
TR42.12-2024-02-026	Michael Stover	OCC	TIA-455-89 Ballot Review
TR42.12-2024-02-027	Michael Stover	OCC	TIA-455-91 Ballot Review
TR42.12-2024-02-028	Michael Stover	OCC	TIA-455-98 Ballot Review



Meeting Report

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.

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: tr4212@tiacomm.org
New: TIA-TR4212@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.

1.8. List of Standards and TSBs from Subcommittee

Please reference the tracking spreadsheet located in TIAConnect TR42.12 workspace.

1.9. Liaison letters received.

None

1.10. Reports

TR42.12-2024-02-003	Michael Stover	OCC	ICEA Liaison Report
TR42.12-2024-02-004	David Kozischek	Corning	IEC Liaison Report
TR42.12-2024-02-005	David Kozischek	Corning	ITU_T Liaison Report

2. Old business

2.1. FOTPs and Specifications

Review combined 42-11/12/13 new master spreadsheet and make updates as needed

2.2. TIA-455-3 (FOTP-3) Temperature Ramps and Precision (Editor: Roman Shubochkin, OFS)

September 2023 update: ballot "Approval of TIA-455-3-C Recirculation Ballot #1" closed on June 26. The ballot has passed with 36 votes from eligible companies out of 60. The ballot was



Meeting Report

approved without any negative votes. At the meeting all the comments were **resolved and** because there was 1 technical comment, the document will go for another recirculation ballot.

Motion #3: Move the document to Recirculation-Ballot #2

Moved: Roman Shubochkin; Second: Dave Kozischek; Result: Passed without objection
Feb Update:

Status on 2nd Ballot- Roman
Out for 30 Ballot after this meeting

2.3. TIA-492 Series Restructuring

2.3.1. Multimode (adopt with modifications of the IEC 60793-2-10:2019 as ANSI/TIA 492AAAF) (editor Sunny Xu, Commscope)

September 2023 update: ballot "Approval of TIA-492AAAF-A (New Ballot)" closed on July 17. The ballot has passed with 37 votes from eligible companies out of 60. The ballot was approved without any negative votes and comments.

Motion #4: Move the document to publication.

Moved: Sunny Xu; Second: Roman Shubochkin; Result: Passed without objection

Feb Update: Is this Published? Sunny
Update: Includes all amendments and changes through Errata , January 21, 2022
Not Published...Sunny sent request to Teesha to publish with Pub Form...Will Remove from Agenda

2.4. Open projects to update adoptions:

2.4.1. 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 (editor Bulent Kose)

Sept 2023 Update: CD just issued and due in 2024. No action required until 60793-1-22 is published.

Feb Update: Status of IEC 60793-1-22 is it published? Bulent Kose
Update: 60793-1-22 in CDV. This will remain on agenda

2.4.2. 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 (Bulent Kose)



Meeting Report

September 2023 Update: reviewed contribution TR42.12-2023-09-021 from Panduit. Decided to make a motion on 1st Ballot Authorization.

Motion #5: Move the document to the 1st ballot.

Moved: Bulent Kose; Second: Patrick Turreau; Result: Passed without objection

Feb Update: Ballot status?- Bulent Kose to supply ballot after the meeting.

2.4.3 TIA-455-204-A (10/2013) is an adoption of the IEC 60793-1-41:2010 Optical fibres - Part 1-41: Measurement methods and test procedures – Bandwidth

Sept 2023 Update: No action required until 60793-1-41 is published in 2024. Document is in CDV

Feb Update: IEC 60793-1-41 Document status? Dave Koz
Currently BPUB...Being Published

2.5 ANSI/TIA-598-D-2014 (“Optical Fiber Cable Color Coding”): open for revision (editor Pete Pondillo)

September 2023 Update: Need to see, if there is still interest in this project. If there is no interest, we should make a motion to end this work; interest still viable. No motion was taken. Action to review at the next meeting. Two addendums have been added need to review. Confirm with Pete that he is still the editor.

Feb update: Make final decision on this project restart or end.- all. Note Pete is no longer Editor.

Motion # 3: Move to continue project with new editor

M: Sunny Xu S: Thomas Knychalski Result: Passed....with Daniel Smith as new editor (Note: Sunny to help)

3. Recession/Obsolete Documents Discussions

3.1.1. FOTP 54 - Mode Scrambler Requirements for Overfilled Launching Conditions to Multimode Fibers

September 2023 Update: still active, need to check on this withdrawal with Teesha.



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Feb Update: Is this still active – Dave Koz
Still Active. Action send note to Teesha to remove

3.1.2. FOTP 124 - Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Interferometry (merge with FOTP 122?)

Sept 2023 Update: Not shown Is this now FOTP 196? Dave Kozischek to check on this.

Feb update: Is this now FOTP 196? – Dave Koz
We should refer to FOTP-122-IEC-60793-1-48 Optical Fibres - Part 1-48: Measurement Methods and Test Procedures- Polarization Mode Dispersion
Remove from Agenda

4. On-going Business

4.1. FOTPs past 10 years old

4.1.1. TIA-455-28 FOTP-28 Measuring Dynamic Strength and Fatigue Parameters of Optical Fibers by Tension
Action reaffirm as TIA Only Doc.
Motion #4
M: Daniel S S: Mike C. Results: Passed. Will need PAR to start process
Editor: Daniel Smith

4.1.2. TIA-455-30 FOTP-30 Frequency Domain Measurement of Multimode Optical Fiber Information Transmission Capacity
Withdrawn

4.1.3. TIA-455-38 FOTP-38 Measurement of Fiber Strain in Cables under Tensile Load
September Update: Derek Huffman to present a review of FOTP 38

Feb Update: Derek Huffman – Are we restarting ANSI process? For FOTP-38 it was decided to wait until FOTP-133 gets opened back up to adopt the newest IEC standard. The IEC standard just recently circulated as CDV, so we will continue to hold on this one.



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FOTP-38 Maintenance Options

#1: Update existing text

- Only update necessary parts (references)
- Could submit project request form immediately and start ballot circulation soon

#2: Adopt IEC w/ Modification

- Not clear if this is an option
- IEC equivalent: IEC 60793 1-22 Method C (Annex C)
 - Status: CDV circulating
 - Earliest publication: late 2024
- IEC 60793-1-22 already adopted in whole as FOTP 133
- Project request would be delayed until Fall 2024 meeting at least

#3: Withdraw and Supersede

- Likely fastest approach
- Submit project and status change request form to withdraw and supersede by FOTP-133
- Open FOTP-133 to adopt most current IEC and to include FOTP-38 in Foreword

4

4.1.4. TIA-455-58 FOTP-58 Core Diameter Measurement of Graded-Index Optical Fibers

No action required document to be TIA only.

4.1.5. TIA/EIA-455-69 FOTP-69 Test Procedure for Evaluating the Effect of Minimum and Maximum Exposure Temperatures on the Optical Performance of Optical Fibers

No action required document to be TIA only.

4.1.6. TIA/EIA-455-81 FOTP-81 Compound Flow (Drip) Test for Filled Fiber Optic Cable

September Update: Derek Huffman to present review of FOTP-81 TR42.12-2023-09-005....Motion #7: Review PAR and make a motion to approve

Moved: Derek Huffman; Second: Dave Kozischek; Result: Passed without objection Motion #8: Motion to put document on a ballot

Moved: Derek Huffman; Second: Dave Kozischek; Result: Passed without objection

Feb Update: Status on Ballot - Comment resolution and review Ballot- Derek Huffman

Motion 5 : Move to submit for approval ballot to TIA.

M:Derek Huffman S:Dave Kozischek Result: Passed

TR42.12-2024-02-016_Com-TIA-455-81.docx

TR42.12-2024-02-017_BAL-TIA-455-81.docx

[Ballot request sent 2/13](#)



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4.1.7. TIA-455-84 FOTP-84 Jacket Self-Adhesion (Blocking) Test for Optical Fiber Cable

Sept 2023 Update:

Reopen as ANS document

Motion #9: Review PAR and make a motion to approve

Moved: Zach Clampitt; Second: Derrek Huffman; Result: Passed without objection

Motion #10: Motion to put document on a ballot

Moved: Michael Stover; Second: Derrek Huffman; Result: Passed without objection
Editor: Zach Clampitt, Commscope

Feb Update: Status on Ballot - Zach Clampitt

Review Draft TR42.12-2024-02-006

Make Motion to ballot after Feb Meeting.

Motion # 6: Move to submit Call for comment ballot to TIA.

M:Michael Stover S:Sunny Xu Result: Passed

[Ballot request sent 2/13](#)

4.1.8. TIA/EIA-455-88 FOTP-88 Fiber Optic Cable Bend Test

Reopen as ANS document

Sept 2023 update: Motion #11: Review PAR, make a motion to approve, put document on a ballot

Moved: Michael Stover; Second: Dave Kozischek; Result: Passed without objection

Editor: Michael Stover, OCC

Feb Update: Status on Ballot – Michael Stover

Review Draft: Make Motion to ballot after Feb Meeting

Motion # 7: Move to submit call for comments ballot to TIA.

M:David Kozischek S:Daniel Smith Result: Passed

4.1.9. TIA-455-89 FOTP-89 Optical Fiber Cable Jacket Elongation and Tensile Strength

Reopen as ANS document

Motion #12: Review PAR, make a motion to approve, put document on a ballot

Moved: Michael Stover; Second: Dave Kozischek; Result: Passed without objection
Editor: Michael Stover, OCC



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Feb Update: Status on Ballot – Michael Stover
 Review Draft: Make Motion to ballot after Feb Meeting
 Motion # 8: Move to submit call for comments ballot to TIA.
 M:Mike Connaughton S:S Eischens Result: Passed

4.1.10. TIA-455-91 FOTP-91 Fiber Optic Cable Twist-Bend Test **Reopen as ANSI document**

Sept Update: Motion #13: Review PAR, make a motion to approve, put document on a ballot
 Moved: Michael Stover; Second: Dave Kozischek; Result: Passed without objection
 Editor: Michael Stover, OCC

Feb Update: Status on Ballot – Michael Stover
 Review Draft: Make Motion to ballot after Feb Meeting
 Motion # 9: Move to submit call for comments ballot to TIA.
 M:Dave Kozischek S:Derek Huffman Result: Passed

4.1.11. TIA/EIA-455-98 FOTP-98 Fiber Optic Cable External Freezing Test **Reopen as ANS document**

Motion #14: Review PAR, make a motion to approve, put document on a ballot
 Moved: Michael Stover; Second: Dave Kozischek; Result: Passed without objection
 Editor: Michael Stover, OCC

Feb Update: Status on Ballot – Michael Stover
 Review Draft: Make Motion to ballot after Feb Meeting
 Motion # 10: Move to submit call for comments ballot to TIA.
 M:David Kozischek S:Derek Huffman Result: Passed

4.1.12. TIA-455-106 FOTP 106 Procedure for Determining Threshold Current of Semiconductor Lasers (also see NECA NEIS 301) **No action required document to be TIA only.**

4.1.13. TIA/EIA-455-113 Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by the Fixed Analyzer Method **No action required document to be TIA only.**



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4.1.14. TIA-455-124 FOTP124 Polarization-Mode Dispersion Measurement for Obsolete Check

Update: Still shows active do we need to obsolete this FOTP?

We should use FOTP-122. We should withdraw 124. Will ask Teesha to Remove

4.1.15. TIA/EIA-455-132 FOTP-132 Measurement of the Effective Area of Single-Mode Optical Fiber

Oct Update: No action required document to be TIA only.

4.1.16. TIA/EIA-455-169 FOTP-169 Chromatic Dispersion Measurement of Single-Mode Optical Fibers by the Phase-Shift Method

No action required document to be TIA only.

4.1.17. TIA-455-179 FOTP-179 Inspection of Cleaved Fiber End Faces by Interferometry.

No action required document to be TIA only.

4.1.18. TIA/EIA-455-181 Lightning Damage Susceptibility Test For Fiber Optic Cables With Metallic Components (see also NECA/FOA 301)

No action required document to be TIA only.

4.1.19. TIA-455-220 FOTP-220 Differential Mode Delay Measurement of Multimode Fiber in the Time Domain

No action required document to be TIA only.

4.2. FOTPs that will be 10 years old in 2024 – Make motions on FOTPs that will be 10 years old in 2024. *Note: Change. These documents have already been withdrawn from ANSI certification. To update any of these documents we would need to take motion to either keep withdrawn or make a motion to re-start ANSI process.*

4.2.1. TIA-455-12 FOTP-12 Fluid Immersion Test for Fiber Optic Components

September Update: push decision to February 2024 meeting.

Feb Update: None



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4.2.2. TIA-455-15 FOTP- 15 Altitude/Immersion of Fiber Optic Components

September Update: push decision to February 2024 meeting.

Feb Update: None

4.2.3. TIA-455-31 FOTP-31 Proof Testing Optical Fibers by Tension

Feb Update: None

4.2.4. TIA-455-33 FOTP-33 Optical Fiber Cable Tensile Loading and Bending Test

Feb Update:

Motion 11: Reopen as a ANSI document

M: Michael Stover; Second: David Kozischek; Result: Passed

Next Step Submit PAR

Editor: Michael Stover

4.2.5. TIA-455-37 FOTP-37 Low or High Temperature Bend Test for Fiber Optic Cable

Feb Update:

We don't need a new motion because the motion (#15) to go to an industry ballot passed in the September meeting.

We are waiting until the ANSI audit is completed and the document can go to an industry ballot.

4.2.6. TIA-455-39 FOTP-39 Optical Fiber Cable Water Wicking Test

Feb Update: None

4.2.7. TIA-455-41 FOTP- 41 Compressive Loading Resistance of Optical Fiber Cables

September Update: push decision to February 2024 meeting.

Feb Update:

Motion 12: Reopen as a ANSI document

M: Michael Stover; Second: David Kozischek; Result: Passed

Next Step Submit PAR

Editor: Michael Stover

4.2.8. TIA-455-57 FOTP-57 Preparation and Examination of Optical Fiber Endface for Testing Purposes

Feb Update: None



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4.2.9. TIA-455-72 "FOTP- 72 Procedure for Assessing Temperature and Humidity Cycling Exposure Effects on Mechanical Characteristics of Optical Fibers

September Update: push decision to February 2024 meeting.

Feb Update: None

4.2.10. TIA-455-73 FOTP- 73 Procedure for Assessing Temperature and Humidity Cycling Exposure Effects on Mechanical Characteristics of Optical Fibers

September Update: push decision to February 2024 meeting.

Feb Update: None

4.2.11. TIA-455-85 FOTP-85 Fiber Optic Cable Twist Test

Feb Update:

Motion 13: Reopen as a ANSI document

M: Michael Stover; Second: David Koziscek; Result: Passed

Next Step Submit PAR

Editor: Ana Cruz

4.2.12. TIA-455-87 FOTP-87 Fiber Optic Cable Knot Test

Feb Update:

Motion 14: Reopen as a ANSI document

M: Michael Stover; Second: David Koziscek; Result: Passed

Next Step Submit PAR

Editor: Ana Cruz

4.2.13. TIA-455-100 Gas Leakage Test for Gas-Blocked Fiber Optic Cables

Feb Update: None

4.2.14. TIA-455-123 FOTP-123 Measurement of Optical Fiber Ribbon

Dimensions

Feb Update: None

4.2.15. TIA-455-131 FOTP-131 Measurement of Optical Fiber Ribbon Residual Twist

Feb Update: None



Meeting Report

- 4.2.16.** TIA-455-133 FOTP- 133 IEC-60793-1-22 Optical Fibres- Part 1-22:
Measurement Methods and Test Procedures- Length Measurement
September Update: push decision to February 2024 meeting.
Feb Update: For FOTP-38 it was decided to wait until FOTP-133 gets opened back up to adopt the newest IEC standard. The IEC standard just recently circulated as CDV, so we will continue to hold on this one.
- 4.2.17.** TIA-455-141 FOTP-141 Twist Test for Optical Fiber Ribbons
Feb Update: None
- 4.2.18.** TIA-455-162 FOTP-162 Optical Fiber Cable Temperature Humidity
Feb Update:
Motion 15: Reopen as a ANSI document
M: Michael Stover; Second: David Kozischek; Result: Passed
Next Step Submit PAR
Editor: Ana Cruz
- 4.2.19.** TIA-455-183 FOTP-183 Hydrogen Effects on Optical Fiber Cable
Feb Update: None
- 4.2.20.** TIA-455-192 FOTP-192 H-Parameter Test Method for Polarization-
Maintaining Optical Fiber
Feb Update: None
- 4.2.21.** TIA-455-193 Polarization Crosstalk Method for Polarization- Maintaining
Optical Fiber and Components
Feb Update: None
- 4.2.22.** TIA-455-195 FOTP- 195 IEC-60793-1-21 Optical Fibres- Part 1-21:
Measurement Methods and Test Procedures- Coating Geometry
September Update: push decision to February 2024 meeting.
Feb Update:
Note: Action Derek Huffman to check IEC for new version
- 4.2.23.** TIA-455-204 FOTP-204 Measurement of Bandwidth on Multimode Fiber
Feb Update: None



Meeting Report

4.3. FOTPs that will be 5-9 years old– Make motions on FOTPs that will be 5-9 years old in 2024.

- 4.3.1. TIA-455** General requirements for standard test procedures for optical fibers, cables, transducers, sensors, connecting and terminating devices, and other fiber optic components

Start reaffirmation as ANS document.

September Update: Extension Granted: 5/16/2024 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#16 to Approve ballot and Publish if no tech comments

Moved: Dave Kozischek; Second: Michael Stover; Result: Passed

[Ballot request sent 2/13](#)

- 4.3.2. TIA-455-16** FOTP-16 Salt Spray (Corrosion) Test for Fiber Optic Components

Start reaffirmation as ANS document.

September Update: Extension Granted: 1/1/2025 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#17 to Approve ballot and Publish if no tech comments

Moved: Daniel Smith; Second: David Kozischek; Result: Passed

[Ballot request sent 2/13\](#)

- 4.3.3. TIA-455-25** FOTP-25 Impact Testing of Optical Fiber Cables

Start reaffirmation as ANS document.

September Update: Extension Granted: 1/1/2025 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion# 18 to Approve ballot and Publish if no tech comments

Moved: Michael Stover; Second: David Kozischek; Result: Passed

[Ballot request sent 2/13](#)

- 4.3.4. TIA-455-48** FOTP- 48 Measurement of Optical Fiber Cladding Diameter Using Laser-Based Instructions

Start reaffirmation as ANS document.

September Update: Extension Granted: 1/1/2025 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#19 to Approve ballot and Publish if no tech comments

Moved: David Kozischek; Second: Derek Huffman; Result: Passed

[Ballot request sent 2/13](#)

Note from Teesha. This document has gone past...Now TIA only



Meeting Report

4.3.5. TIA-455-56 Test Method For Evaluating Fungus Resistance of Optical Fiber and Cable

Start reaffirmation as ANS document.

September Update: Extension Granted: 1/1/2025 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#20 to Approve ballot and Publish if no tech comments

Moved: Michael Stover; Second: Derek Huffman; Result: Passed

[Ballot request sent 2/13](#)

4.3.6. TIA-455-71 FOTP-71 Procedure to Measure Temperature- Shock Effects on Fiber Optic Components

Start reaffirmation as ANS document.

September Update: Extension Granted: 12/4/2024 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#21 to Approve ballot and Publish if no Tech comments

Moved: Michael Stover; Second: David Kozischek; Result: Passed

[Ballot request sent 2/13](#)

4.3.7. TIA-455-86 FOTP-86 Optical Fiber Cable Jacket Shrinkage

Start reaffirmation as ANS document.

September Update: Extension Granted: 9/5/2024 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#22 to Approve ballot and Publish if no tech comments

Moved: Michael Stover; Second: David Kozischek Result: Passed

[Ballot request sent 2/13](#)

4.3.8. TIA-455-104 FOTP-104 Fiber Optic Cable Cyclic Flexing Test

Start reaffirmation as ANS document.

September Update: Extension Granted: 1/1/2025 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#23 to Approve ballot and Publish if no tech comments

Moved: Michael Stover; Second: David Kozischek Result: Passed

[Ballot request sent 2/13](#)



Meeting Report

4.3.9. TIA-455-234 FOTP-234 IEC-60793-1-52 Optical Fibres – Part 1-52: **Start reaffirmation as ANS document**

Measurement Methods and Test Procedures - Change of Temperature

September Update: Extension Granted: 1/1/2025 PAR Approved

Feb Update: Need to Submit Ballot authorization Form.

Motion#24 to Approve ballot and Publish if no tech comments

Moved: Michael; Second: Dave Kozischek; Result: Passed

[Ballot request sent 2/13](#)

4.4. New Business

4.5. Action Items

- Upload ICEA report – Dave Kozischek – Done
- Set up meeting Dave, Roman and Ron T. on VC role - Dave
- Update master spreadsheet and check for 42-13 FOTPs - Dave
- Send out Style Guide to all editors. - Dave

4.6. Closing Item

Request 4.5 hours for June meeting

4.7. Next meetings

June 3-7 (TBD) Same amount of time requested.

Oct 7-11 (TBD)

4.8. Meeting Close

Motion# 25 *Move to close meeting*

M: Derek Huffman S: Danie Smith . Result: Passed Meeting closes at 4:15PM EST

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

connect.tiaonline.org/communities/community-home/...

Please do not hesitate to reach out if you have any questions.

Thank you!

AVAILABILITY OF MEETING DOCUMENTS:

TR-42.12 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*"
- Scroll down the page and select "*TR-42.12 Optical Fibers and Cables*"
- Click on "*Documents*" and then select the "*2023-01 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 TIA Connect folders by the EDC as soon after receipt as possible, preferably within



Meeting Report

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 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:

Dave Kozischek, Chair	kozischedr@corning.com	
Committee Support: Cheryl Thibideau	CThibideau@tiaonline.org	
Ron Tellas, Vice-Chair	Ronald.Tellas@belden.com	