



**Telecommunications Industry Association**

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

**Approved by General Counsel**

TR-42.12 Subcommittee on Optical Fibers  
and Cables

Meeting Date: 06 June 2023

Location: Omaha, NE

Approved: 10 July 2023



## Meeting Report

### TR-42.12 Optical Fibers and Cables

Date: Tuesday, June 6, 2023  
Time: 1:30 PM – 6:00 PM (CDT)  
Location: In-person (Omaha, NE) and Virtual GoToWebinar  
Chair: Dave Kozischek  
Vice Chair: Roman Shubochkin

**GoToWebinar Registration:** <https://register.gotowebinar.com/register/8308763510764741982>

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#### 1. Administrative/General Business

##### 1.1. Call to Order

The chair called the meeting to order at 1:33 PM CDT.

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)

Attendance was collected via GoToWebinar. Quorum was verified by roster call. Quorum was achieved with 26 companies attending forming quorum versus 17 needed.



## Meeting Report

33 Companies listed in quorum		Total members at meeting				32	
17 Companies needed to form quorum							
26 Companies attending forming quorum							
Member Status	Quorum Achieved!!!		Send attendance letter	Attained voting status this mtg	Voting member at beginning of this mtg	Number of the last 3 mtgs attended	Hybrid NE 6-Jun
	Company						
ME	3M						
ME	AEM				1		
ME	AFL			Voting	2		1
ME	AFL Hyperseale (see AFL)			Voting	2		
ECP	Belden Networks Division			Voting	3		1
	BASF						
ME	BR+A Consulting Engineers						
ME	Cable Express			Voting	3		1
ME	CommScope			Voting	3		1
ME	Convergent Connectivity Technologies						
ME	Corning Incorporated			Voting	3		1
ME	DCS			Voting	3		
ME	Eriasson			Voting	2		1
ME	Exfo			Voting	3		1
ME	Experior Laboratories						
ME	Fluke Networks			Voting	2		1
ME	Furukawa		Voting		1		1
ME	Global Datacenter Engineering			Voting	1		1
ECP	Google			Voting	3		1
	HFCL						1
ME	Hitachi			Voting	2		1
ECP	Huber + Suhner			Voting	3		1
	Intertek						
	Keller REC						
ME	KITCO Fiber Optics			Voting	3		1
ME	Legrand			Voting	3		1
ME	Leviton			Voting	3		1
	NAVIAIR				1		1
	NAVSEA				3		
ME	Nest			Voting	3		1
ECP	NIS						
ME	OFS			Voting	3		1
	OCC (Optical Cable Corporation)				1		1
ME	Panduit Corp.			Voting	3		1
ME	Photon Kinetics, Inc.			Voting	3		1
ME	Prqsmian Group, The			Voting	2		
ME	R&M			Voting	3		
	RIT Tech						
ME	Rosenberger						
ME	Santec Canada Corporation (OptoTest C			Voting	1		1
ME	Santec Canada Corporation (JGR Optics			Voting	3		
ME	Senko			Voting	3		1
ME	Siemon Company			Voting	3		1
ME	Sumitomo Electric			Voting	3		1
ECP	Superior Essex			Voting	3		1
ME	Tempo			Voting	3		1
ME	Total Cable Solutions	Send Ltr		Voting	1		
	Trend Networks				1		1
	Underwriters Laboratories (UL)				1		1
ME	US Navy			Voting	2		
ME	USConec LTD			Voting	3		1



## Meeting Report

### Attendees:

Last Name	First Name	Organization	Last Name	First Name	Organization
Ahmadi	Tara	Belden	Locker	Chris	Google
Ahmed	Adnan	R&M	Montstream	Cindy	Legrand
Allen	Bill	OFS	Morris	Dan	Kitco
Angra	Nikhil	AFL	Neugroschl	Dan	Chiral Photonics
Barrera	Dan	Trend Networks	Ninomiya	Tiger	Senko
Broughton	Adam	Sumitomo	Patel	Mehulkumar	Legrand
Buchter	Shelly	US Conec	Payton	Scott	Global Data Center Engineering
Cassidy	Dan	UL	Pressey	Jacquelynn	US Navy
Clampitt	Zach	Commscope	Rice	Henry	Proterial Cable America
Connaughton	Mike	Leviton	Richard	Alex	Legrand
Cruz	Ana	Belden	Rivers	Phillip	Molex
Dallmann	Rick	CablExpress	Rosenast	Erich	Tempo Communication
Eischens	Scott	Commscope	Royer	Tyler	Senko
Eisele	Steve	DCS	Sandels	Greg	OFS
Forbes	Diane	NIS	Scarpaci	Annabelle	Belden
Ford	Christin	Superior Essex	Schmalzigaug	Thomas	Huber Suhner
Goldstein	Seymour	Fluke	Shubochkin	Roman	OFS
He	Gang	EXFO	Shuman	Brian	Belden
Henriques	Fabianne	Furukawa	Smith	Daniel	Nest
Huffman	Derek	Corning	Stover	Michael	OCC
Irwin	Phil	Panduit	Tanis	David	AFL Global
Jahani	Hamid	Santec	Tellas	Ronald	Belden
Knehr	Helmut	Ericsson	Toland	Henson	HFCL
Kose	Bulent	Panduit	Tourreau	Patrick	Photon Kinetics
Kozischek	David	Corning	Valentukonis	Dave	Siemon
Kumar	Anand	RiT Tech	Xu	Sunny	Commscope
Lambert	Angela	Corning	Zimnicki	Jim	Belden
Lee	Sylvanus	Leviton			



## Meeting Report

### 1.3. Current Meeting Agenda Review and Approval

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

**Motion # 1:** Move to approve current meeting agenda.

Moved: Roman Shubochkin; Second: Thomas Schmalzigaug; Result: Passed without objection

Meeting agenda document "TR42.12-2023-06-001\_agenda\_v3.docx".

### 1.4. Previous Meeting Report Review and Approval

The TIA report of the January 2023 meeting has been posted.

**Motion #2:** Move to approve January meeting report.

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

Previous meeting agenda document "TR42.12-2023-01-010\_meeting-report-1.pdf".

### 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

Table 1. Contributions

Document	Contributor	Affiliation	Title
TR42.12-2023-06-001	Dave Kozischek	Corning	Meeting Agenda
TR42.12-2023-06-002	David Kozischek	Corning	TR42.12 Master Doc List (v.3)
TR42.12-2023-06-003	David Kozischek	Corning	IEC Liaison Report
TR42.12-2023-06-004	David Kozischek	Corning	ICEA Liaison Report
TR42.12-2023-06-005	David Kozischek	Corning	ITU-T Q5/Q7 Liaison Report
TR42.12-2023-06-006	Mike Connaughton	Leviton	Tracer colors for fiber identification
TR42.12-2023-06-007	Thomas Schmalzigaug	Huber & Suhner	Working draft 1 for TIA-455-37-B (revision of TIA-455-37-A)"
TR42.12-2023-06-008	Thomas Schmalzigaug	Huber & Suhner	TR-42.12: PAR to start the revision of ANSI/TIA-455-37



## Meeting Report

Document	Contributor	Affiliation	Title
TR42.12-2023-06-009	Derek Huffman	Corning	Comment Resolution TIA-4920000 C
TR4212-2023-01-010	Roman Shubochkin	OFS	January approved 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](mailto:tr4212@tiacomm.org)  
New: [TIA-TR4212@ConnectedCommunity.org](mailto: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. (TR42.12-2023-01-002\_v2.0\_MasterDoc.xlsx).

### 1.9. Liaison letters received

None

### 1.10. Reports

TR42.12-2023-06-003	David Kozischek	Corning	IEC Report
TR42.12-2023-06-004	David Kozischek	Corning	ICEA Report
TR42.12-2023-06-005	David Kozischek	Corning	ITU-T Q5/Q7 Report

## 2. Old business

### 2.1. FOTPs and Specifications

June Update: Reviewed the master spreadsheet and updated with more information.

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



## Meeting Report

June Update: the ballot is open and closes at the end of June. There are no changes to the document compared to the previous ballot, re-balloting is needed to comply with ANSI requirements for timely submission for publication.

### **2.3. TIA-455-111-B (11/2003) (FOTP-111), fiber curl, adoption of IEC 60793-1-34 (editor Phil Irwin, Panduit)**

June Update: the document was published, propose to remove the item from agenda after the June meeting.

### **2.4. TIA-492 Series Restructuring**

#### **2.4.1. Generic (adopt with modifications of the IEC 60793-2:2019 as ANSI/TIA-4920000-C) (editor Derek Huffman, Corning)**

June Update: Comments resolved.

**Motion # 3:** Move to publication with accepted editorial comments.

Moved: Sunny Xu; Second: Greg Sandels; Result: Passed without objection

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

June Update: the ballot is open and closes in the middle of July.

#### **2.4.3. Singlemode (adopt with modifications of the IEC 60793-2-50:2018 as ANSI/TIA-492CAAC) (editor Bulent Kose, Panduit)**

June Update: Propose to remove from Agenda after the June meeting.

### **2.5. Open projects to update adoptions:**

#### **2.5.1. 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, Panduit)**

June Update: no update

#### **2.5.2. 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 (editor Bulent Kose, Panduit)**

June Update: IEC 61280-1-4:2023 is now published.

**Motion #4:** Create a new project (PAR) to adopt the IEC 61280-1-4:2023 document.

Moved: Bulent Kose; Second: Roman Shubochkin; Result: Passed without objection

#### **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 (editor Patrick Tourreau, Photon Kinetics)**

June Update: Ballot closed in May 2023, still on track to publish in 2024.

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



## Meeting Report

June Update: Apply technical comments on Tracer colors when 598 Ballot is issued. Need an update from Pete Pondillo to continue correspondence.

TR42.12-2023-06-006	Mike Connaughton	Leviton	Tracer colors for fiber identification
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### 3. Recession/Obsolete Documents Discussions

#### 3.1.1. FOTP 30 - Frequency Domain Measurement of Multimode Optical Fiber Information Transmission Capacity

June Update: Withdrawn

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

June Update: Still active FOTP 54B

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

June Update: Not shown Is this now FOTP 196?

### 4. New Business

#### 4.1. FOTPs past 10 years old – Make motions on FOTPs that are over 10 years old. For these documents we have three choices. Restart the ANSI process to get them reinstated as ANS. Start a process to get them approved as TIA Only standards. Keep withdrawn. See TR42.12-2023-06-002\_v3.1\_Master

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

##### **Motion #5: Keep TIA Only; Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

##### 4.1.2. TIA-455-28 FOTP-28 Measuring Dynamic Strength and Fatigue Parameters of Optical Fibers by Tension

##### **Motion #6: Keep TIA Only; Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

Note: Helmut Knehr (Ericsson) to provide update at next meeting

##### 4.1.3. TIA-455-124 FOTP124 Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Interferometry; **Obsolete Check**

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

##### **Motion #7: Keep TIA Only; Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

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



## Meeting Report

### **Motion #8: Keep TIA Only; Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

#### **4.1.6. TIA/EIA-455-88 FOTP-88 Fiber Optic Cable Bend Test**

### **Motion #9 Reopen as ANS document.**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Michael Stover, OCC

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

### **Motion #10 Keep TIA Only ...Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

#### **4.1.8. TIA/EIA-455-113 Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by the Fixed Analyzer Method**

### **Motion #11 Keep TIA Only ...Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

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

### **Motion #12 Keep TIA Only ...Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

#### **4.1.10. 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**

### **Motion #13 Keep TIA Only ...Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

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

### **Motion #14 Reopen as ANS document**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Derek Huffman, Corning

#### **4.1.12. TIA/EIA-455-98 FOTP-98 Fiber Optic Cable External Freezing Test**

### **Motion #15 Reopen as ANS document**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Michael Stover, OCC

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



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### **Motion #16 Keep TIA Only ...Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

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

### **Motion #17 Reopen as ANS document**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Zach Clampitt, Commscope

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

### **Motion #18 Reopen as ANS document**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Michael Stover, OCC

- 4.1.16.** TIA-455-91 FOTP-91 Fiber Optic Cable Twist-Bend Test

### **Motion #19 Reopen as ANS document**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Michael Stover, OCC

- 4.1.17.** TIA-455-38 FOTP-38 Measurement of Fiber Strain in Cables under Tensile Load

### **Motion #20 Reopen as ANS document**

Moved: Michael Stover; Second: Greg Sandels; Objections: None; Result: Passed without objection

Editor: Derek Huffman, Corning

- 4.1.18.** TIA-455-106 FOTP 106 Procedure for Determining Threshold Current of Semiconductor Lasers (also see NECA NEIS 301)

### **Motion #21 Keep TIA Only ...Withdraw from ANSI**

Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

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

### **Withdrawn**

- 4.2.** FOTPs that will be 10 years old in 2024 – Make motions on FOTPs that will be 10 years old in 2024. For these documents we have three choices. Withdraw as an ANS and follow the decision-making process for withdrawn standards. Seek an extension to update. Seek to reaffirm as ANS document. See TR42.12-2023-06-002\_v3.0\_Master

- 4.2.1.** TIA-455-204 FOTP-204 Measurement of Bandwidth on Multimode Fiber

### **Motion #22 Reaffirm**



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Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

#### **Motion #23 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

#### **Motion #24 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

### 4.2.4. TIA-455-133 FOTP- 133 IEC-60793-1-22 Optical Fibres- Part 1-22:

Measurement Methods and Test Procedures- Length Measurement

#### **Motion #25 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

### 4.2.5. TIA-455-195 FOTP- 195 IEC-60793-1-21 Optical Fibres- Part 1-21:

Measurement Methods and Test Procedures- Coating Geometry

#### **Motion #26 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: passed without objection

Start reaffirmation as ANS document.

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

#### **Motion #27 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

### 4.2.7. TIA-455-54 FOTP- 54-B Mode Scrambler Requirements for Overfilled Launching Conditions to Multimode Fibers

#### **Withdrawn**

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

#### **Motion #28 Update FOTP-37 and submit PAR for Committee ballot**

Moved: Thomas Schmalzigaug; Second: Roman Shubochkin; Objections: None; Result: Passed without objection

Editor: Thomas Schmalzigaug, Huber-Suhner

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

#### **Motion # 29 Reaffirm**



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Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

- 4.2.10.** TIA-455-123 FOTP-123 Measurement of Optical Fiber Ribbon Dimensions

**Motion #30 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion # 31 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

- 4.2.12.** TIA-455-183 FOTP-183 Hydrogen Effects on Optical Fiber Cable

**Motion #32 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

- 4.2.13.** TIA-455-31 FOTP-31 Proof Testing Optical Fibers by Tension **Motion**

**Motion #33 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #34 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

- 4.2.15.** TIA-455-85 FOTP-85 Fiber Optic Cable Twist Test

**Motion #35 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

- 4.2.16.** TIA-455-87 FOTP-87 Fiber Optic Cable Knot Test

**Motion #36 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

- 4.2.17.** TIA-455-141 FOTP-141 Twist Test for Optical Fiber Ribbons

**Motion #37 Reaffirm**



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Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

**4.2.18.** TIA-455-162 FOTP-162 Optical Fiber Cable Temperature Humidity

**Motion #38 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

**4.2.19.** TIA-455-192 FOTP-192 H-Parameter Test Method for Polarization-Maintaining Optical Fiber

**Motion #39 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

**4.2.20.** TIA-455-193 Polarization Crosstalk Method for Polarization- Maintaining Optical Fiber and Components

**Motion #40 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #41 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #42 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #43 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #44 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection



## Meeting Report

Start reaffirmation as ANS document.

**4.3. FOTPs that will be 5-9 years old– Make motions on FOTPs that will be 5-9 years old in 2024. For these documents we have three choices. Withdraw as an ANS and follow the decision-making process for withdrawn standards. Seek an extension to update. Seek to reaffirm as ANS document. See TR42.12-2023-06-002\_v3.0\_Master**

**4.3.1. TIA-455-234 FOTP-234 IEC-60793-1-52 Optical Fibres – Part 1-52: Measurement Methods and Test Procedures - Change of Temperature**

**Motion #45 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #46 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #47 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #48 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #49 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

**4.3.6. TIA-455-86 FOTP-86 Optical Fiber Cable Jacket Shrinkage**

**Motion #50 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #51 Reaffirm**



## Meeting Report

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #52 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

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

**Motion #53 Reaffirm**

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection

Start reaffirmation as ANS document.

**4.4. Collaboration with ICEA on cable document maintenance**  
June Update: No update

**4.5. Closing Items and Actions**

Action 1: Post IEC report – Complete

Action 2: Post ITU-T report- Complete

Action 3: Post ICEA report – Pending (ICEA meeting Week of June 5 2023)

Action 4: Post TIA 492000C Resolution of Comments - Complete

Action 5: Request 4.5 hours for September 2023 meeting.

Action 6: Set meeting to discuss how to handle reaffirmations and FOTP ballot forms.

Action 7: Cheryl to check on validity of TIA FOTP site.

**5. Next Meetings**

September 25-29, 2023 (Tulsa, OK)

**6. Adjournment**

**Motion #54 Move to adjourn the meeting.**

Moved: Greg Sandels; Second: Michael Stover; Objections: None; Result: Passed without objection



## Meeting Report

Meeting adjourned at 6:32 PM EST

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/...)

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](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*
- 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 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



## Meeting Report

members on a memory stick or other electronic media. All late contributions shall be posted to TIA Connect within one week of the meeting adjournment.

**Questions and comments on this agenda should be submitted to:**

Dave Kozischek, Chair	kozischedr@corning.com	
Roman Shubochkin, Vice-Chair	RShubochkin@ofsoptics.com	