

TR-42.12 Optical Fibers and Cables

Date:	Wednesday 2024.02.07
Time:	1:30PM – 6:00PM (EDT)
Location:	In-person (Charleston, SC) and Virtual GoToWebinar
Chair:	Dave Kozischek (Committee Support: Cheryl Thibideau)
Vice Chair:	Roman Shubochkin

Meeting Schedule: Wednesday Feb 7, 1:30PM – 6:00PM (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/2602253084819216216

IEC SC86A Fibres and Cables US TAG Meeting <u>will not</u> 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: <u>Book your group rate for TR-42</u>

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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- 1. Administrative/General Business
- 1.1. Call to Order

xxxAM

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)

Meeting sign-in link: attendance will be collected via GoToWebinar Quorum achieved with xx companies attending forming quorum versus xx needed.

1.3. Current Meeting Agenda Review and Approval

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

Motion # xx: Move to approve current meeting agenda.

M: S: Result:

Meeting agenda document "TR42.12-2023-09-001.agenda.docx" was xxx.

1.4. Previous Meeting Report Review and Approval

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

Motion #: Move to approve June meeting report. M: xxxx S: xxx Result:

Meeting agenda document "TR42.12-2023-06-011_meeting-report_Final" was xxx

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

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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	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-81 Draft Review			

Table 1. Contributions

1.7. Chair's Report and General Items

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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 <u>https://connect.tiaonline.org/home</u>.

Please also note that the "reflector" email distribution has changed: Old: <u>tr4212@tiacomm.org</u> 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	000	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

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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

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

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

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)

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

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Motion #5: Move the document to the 1st ballot. Moved: Bulent Kose; Second: Patrick Tourreau; Result: Passed without objection

Feb Update: Ballot status?- Bulent Kose

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 60793-1-1 Document status? Dave Koz

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

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.

Feb Update: Is this still active – Dave Koz

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

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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
 No action required document to be TIA only.
- **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?

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 - Derek Huffman

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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

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

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 objectionEditor: Michael Stover, OCC

Feb Update: Status on Ballot – Michael Stover

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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

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

- 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.**
- **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?

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.

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- 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 will 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: Motion to reaffirm?
 - 4.2.2. TIA-455-15 FOTP- 15 Altitude/Immersion of Fiber Optic Components September Update: push decision to February 2024 meeting. Feb update: Motion to reaffirm?
 - 4.2.3. TIA-455-31 FOTP-31 Proof Testing Optical Fibers by Tension
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
 - 4.2.4. TIA-455-33 FOTP-33 Optical Fiber Cable Tensile Loading and Bending Test
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
 - **4.2.5.** TIA-455-37 FOTP-37 Low or High Temperature Bend Test for Fiber Optic Cable **Reaffirm**

Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.

4.2.6. TIA-455-39 FOTP-39 Optical Fiber Cable Water Wicking Test
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if

you wanted these to be ANSI, you would need to start the process over again.

 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 to reaffirm?

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- 4.2.8. TIA-455-54 FOTP- 54-B Mode Scrambler Requirements for Overfilled Launching Conditions to Multimode Fibers
 Withdrawn June Update: This still shows active...Dave Koz to Check
- 4.2.9. TIA-455-57 FOTP-57 Preparation and Examination of Optical Fiber Endface for Testing Purposes
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if

you wanted these to be ANSI, you would need to start the process over again.

- 4.2.10. 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: Motion to reaffirm?
- 4.2.11. 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: Motion to reaffirm?
- 4.2.12. TIA-455-85 FOTP-85 Fiber Optic Cable Twist Test
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.13. TIA-455-87 FOTP-87 Fiber Optic Cable Knot Test
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.14. TIA-455-100 Gas Leakage Test for Gas-Blocked Fiber Optic Cables
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.

Telecommunications Industry Association

1310 North Courthouse Road, Suite 890 Arlington, VA 22201, USA



- 4.2.15. TIA-455-123 FOTP-123 Measurement of Optical Fiber Ribbon Dimensions
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.16. TIA-455-131 FOTP-131 Measurement of Optical Fiber Ribbon Residual Twist
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.17. 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: Motion to reaffirm?
- 4.2.18. TIA-455-141 FOTP-141 Twist Test for Optical Fiber Ribbons
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.19. TIA-455-162 FOTP-162 Optical Fiber Cable Temperature Humidity
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.20. TIA-455-183 FOTP-183 Hydrogen Effects on Optical Fiber Cable
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.
- 4.2.21. TIA-455-192 FOTP-192 H-Parameter Test Method for Polarization-Maintaining Optical Fiber
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.

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 4.2.22. TIA-455-193 Polarization Crosstalk Method for Polarization- Maintaining Optical Fiber and Components
 Reaffirm

Feb Update: Withdrawn from ANSI…No extension can be made at this time, so if you wanted these to be ANSI, you would need to start the process over again.

- 4.2.23. 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: Motion to reaffirm? Motion #
- 4.2.24. TIA-455-204 FOTP-204 Measurement of Bandwidth on Multimode Fiber
 Reaffirm
 Feb Update: Withdrawn from ANSI...No extension can be made at this time, so if

you wanted these to be ANSI, you would need to start the process over again.

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- **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: <mark>5/16/2024</mark> PAR Approved Feb Update: Need to Submit Ballot authorization Form.

 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.

- 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.
- 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.
- 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.
- 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.

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- 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.
- 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.
- 4.3.9. TIA-455-234 FOTP-234 IEC-60793-1-52 Optical Fibres Part 1-52: Measurement Methods and Test Procedures - Change of Temperature September Update: Extension Granted: <u>1/1/2025</u> PAR Approved Feb Update: Need to Submit Ballot authorization Form.
- 4.4. New Business
- 4.5. Closing Items

Request xxx hours for xxx meeting

4.6. Next meetings

June (TBD)

4.7. Meeting Close Motion #: *Move to close meeting*

M: xx S: xx. Result: Meeting closes at xxx

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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 <u>connect.tiaonline.org</u>
- Enter your *Username* (your email address in the TIA database)
- Enter your *Password*
- Click "LOGIN"
- o 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

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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	
Roman Shubochkin, Vice-Chair	RShubochkin@ofsoptics.com	