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
TR4212-2023-06-011

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

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

#### Quorum Achieved!!!

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<th>Company</th>
<th>Send attendance letter</th>
<th>Attained voting status this mtg</th>
<th>Voting member at beginning of this mtg</th>
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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

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<td>TR42.12-2023-06-007</td>
<td>Thomas Schmalzigaug</td>
<td>Huber &amp; Suhner</td>
<td>Working draft 1 for TIA-455-37-B (revision of TIA-455-37-A)</td>
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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](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

<table>
<thead>
<tr>
<th>Document</th>
<th>Contributor</th>
<th>Affiliation</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR42.12-2023-06-009</td>
<td>Derek Huffman</td>
<td>Corning</td>
<td>Comment Resolution TIA-4920000_C_</td>
</tr>
<tr>
<td>TR4212-2023-01-010</td>
<td>Roman Shubochkin</td>
<td>OFS</td>
<td>January approved Meeting Report</td>
</tr>
</tbody>
</table>

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-ballingot 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:

June Update: no update

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

2.4.4. 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 |

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

Motion #10 Keep TIA Only …Withdraw from ANSI
Moved: Greg Sandels; Second: Zach Clampitt; Objections: None; Result: Passed without objection

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

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


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Editor: Michael Stover, OCC
Meeting Report

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
Meeting Report

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.


Motion #25 Reaffirm
Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed without objection
Start reaffirmation as ANS document.


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
Meeting Report

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.

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 FiberRibbons
Motion #37 Reaffirm
Meeting Report

Moved: Greg Sandels; Second: Derek Huffman; Objections: None; Result: Passed
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

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


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.

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/...

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 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 the meeting adjournment.

Questions and comments on this agenda should be submitted to:

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
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<tbody>
<tr>
<td>Dave Kozischek, Chair</td>
<td><a href="mailto:kozischedr@corning.com">kozischedr@corning.com</a></td>
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