Approved by General Counsel

TR-42.12 Subcommittee on Optical Fibers and Cables

Meeting Date: 26 January 2022

Location: Teleconference

Approved: 15 February 2022
TR-42.12 Optical Fibers and Cables Engineering Committee

Date: 01/26/2022
Time: 8:00 a.m. – 10:21 p.m. (CST)
Location: Virtual GoToWebinar
Chair: Dave Kozischek
Vice Chair: Roman Shubochkin

Meeting Schedule: Wednesday, January 26, 2022, from 8:00 a.m. to 12:00 p.m. (CST)

Registration: (not required as meeting is not in person)
GoToWebinar Registration: https://attendee.gotowebinar.com/register/3249862121751708939

1. Administrative/General Business

1.1. Call to Order

Called to order at 8:00 a.m. CST

TR42 Chair Greg Sandels informed participant that TR42.12 Vice Chair Roman Shubochkin would act as a Chair for this January meeting. Acting TR42.12 Chair Roman Shubochkin requested Greg Sandel to act as a moderator for the duration of the meeting.

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

*Note: TIA TR42.12 Leadership Elections will take place during this meeting

1.2. Attendance (Call Quorum, Introductions, Roster)

Meeting sign-in link: attendance will be collected via GoToWebinar
Quorum achieved with 22 companies attending forming quorum versus 13 needed.
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1.3. TR42.12 Leadership Elections

Cheryl Thibideau (TIA) conducted Leadership Elections as follows:

TIA received a nomination for David Kozischek (Corning) to serve as TR-42.12 Chair. No other nominations were made from the floor.

Motion #1: Move to elect David Kozischek as TR-42.12 Chair
M: Greg Sandels; S: Sunny Xu; Result: Motion was moved, seconded, and approved without objection
TIA received a nomination for Roman Shubochkin (OFS) to serve as TR-42.12 Vice-Chair. No other nominations were made from the floor.

Motion #2: Move to elect Roman Shubochkin as TR-42.12 Vice-Chair
M: Pete Pondillo; S: Sunny Xu; Result: Motion was moved, seconded, and approved without objection

1.4. Current Meeting Agenda Review and Approval
The current meeting agenda document “TR42.12-2022-01-001.agenda_v3.docx” was reviewed and approved without objection.

Motion #3: Move to approve the current meeting agenda
M: Greg Sandels; S: Patrick Tourreau; Result: Motion was moved, seconded, and approved without objection

1.5. Previous Meeting Report Review and Approval
The TIA approved report of the October 2021 meeting “TR42.12-2021-10-011.report_v2” was reviewed and approved without objection.

Motion #4: Move to approve the previous meeting report
M: Greg Sandels; S: Sunny Xu; Result: Motion was moved, seconded, and approved without objection

1.6. 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.

1.7. Distribution of documents and contributions
The following documents distributed via TIAConnect

Table 1. Contributions
1.8. 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.

1.9. List of Standards and TSBs from Subcommittee

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

1.10. Liaison letters received

- Liaison response letter from IEEE to TIA “TR42-2022-01-002 IEEE 802.3 reply re TIA-455-54-1”
- Liaison response letter from ICEA to TIA “TR42-2022-01-003 ICEA reply re TIA-455-124”
1.11. Reports

- Liaison letters, reports, or relevant activity from other standards committees (ITU, ICEA, etc.). David Kozischek presented ITU and ICEA liaison reports.
- Please note a virtual meeting will be held for USTAG 86A US TAG 86A for Fiber, Thursday, January 27, 2022, from 3:30 p.m. to 6:00 p.m. CST: https://attendee.gotowebinar.com/register/8679050428591472656

2. Old Business

2.1. ANSI/TIA-455-3 (FOTP-3) Temperature Ramps and Precision
Document was approved for publication in October, TR42.12 needs to submit a Publication Authorization Form.

2.2. TIA-455-111-A (11/2003) (FOTP-111), Fiber Curl, adoption of IEC 60793-1-34
PAR to adopt a recently published IEC document (editor Phil Irwin) was submitted and has completed the ANSI review, the IEC document has been obtained and will be reviewed by TIA; plan to go to the ANSI ballot after the review.

   Motion #5: Propose to go to the ANSI ballot
   M: Roman Shubochkin; S: Phil Irwin; Result: Motion was moved, seconded, and approved without objection

2.3. TIA-492 Series Restructuring

2.3.1. Generic (adopt with modifications of the IEC 60793-2:2019 as ANSI/TIA-4920000-C)
During October meeting voted to rescind the current ANSI/TIA document and to start a new project to adapt the latest stable version of the IEC 60793-2:2019 (editor Pete Pondillo); moved to open CBA; getting ready to go to ballot after January meeting. Pete Pondillo gave an update on the project.

   - Motion #6: Move to accept a late PAR (Project Request Form) contribution (TR42.12-2022-01-004 iec60793-2 ANSI PIN 492000-C FINAL)
     M: Roman Shubochkin; S: Greg Sandels; Result: Motion was moved, seconded, and approved without objection
   - Motion #7: Move to accept the PAR (PRF) to adopt with modifications the IEC 60793-2:2019 as ANSI/TIA-4920000-C
     M: Sunny Xu; S: Pete Pondillo; Result: Motion was moved, seconded, and approved without objection
   - Motion #8: Move the document to ballot pending TR42 plenary approval of the PAR
     M: Pete Pondillo; S: Roman Shubochkin; Motion was moved, seconded, and approved without objection

The document editor will be requesting a copy of the IEC document. Will need to add a forward and few tables with naming conventions before the document goes to ballot. Agreed to have an
interim call to discuss the document with proposed modifications before going to ballot. The PAR document will have to be presented and reviewed at the January closing plenary. The estimated date for the ballot to be sent to the formulating group is 1 May 2022.

2.3.2. Multimode (adopt with modifications of the IEC 60793-2-10:2019 as ANSI/TIA-492AAAF)

Errata was sent to IHS for publication last week. An amendment to the IEC document is in the process of being published, need to consult TIA to see if this amendment can be adopted as a standalone document.

2.3.3. Singlemode (adopt with modifications of the IEC 60793-2-50:2018 as ANSI/TIA-492CAAC)

Errata was sent to IHS for publication last week.

2.4. Open projects to update IEC adoptions:

Moved to wait for stable documents at the October meeting; updated stability dates are below, decided to continue waiting until IEC finalizes these documents.


Draft of the document is being circulated; tentative stability date is 2022.


Currently being edited (CDV state); tentative stability date for the Ed. 3 is 2023.

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

Draft of the document is being circulated; tentative stability date is 2022.

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

Pete Pondillo gave an update on the project. Discussed the need to create a methodology for the evaluation of colors, methodology of setting up \( \Delta E \) limits and boundary conditions on L.A.B color variations as well as proposals from individual TG companies on where to set these limits; joint June contribution(s) could be helpful. Sunny Xu will set interim calls prior to the TIA meeting in June and update the communication list of the working TG participants. Sunny will also handle additional RR data generated by other participants as well as all other related RR information.
3. Rescission of Obsolete Documents Discussion

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

Moved to obsolete the document in October 2021, currently shows up as “Inactive” and “superseded by TIA-455-204”.

Action: discuss with TIA whether adding the word “obsolete” to the document profile is possible. Discuss at the plenary.

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

Reviewed the response IEEE liaison letter.

Action: discuss with TIA whether adding wording “change current references to the Annex D of the TIA-455-204” to the rescission request is possible. Discuss at the plenary.

Motion #9: Move to make the document obsolete
M: Roman Shubochkin; S: Greg Sandels; Motion was moved, seconded, and approved without objection

3.1.3. FOTP 124 – Polarization-Mode Dispersion Measurement for Single-Mode Optical Fibers by Interferometry

Reviewed the response ICEA liaison letter.

Motion #10: Move to make the document obsolete
M: Patrick Tourreau; S: Greg Sandels; Motion was moved, seconded, and approved without objection

4. Collaboration with ICEA

Continued discussion of the ICEA proposal on collaboration on TIA cable document maintenance. Greg Sandels gave an update on the TR42 leadership discussion on the topic, no formal objection from TIA so far, but we need to see the ICEA response first. ICEA acknowledged the receipt of the second TIA liaison letter back in December, but there was no follow-up response yet.

5. New Business

None
Standards Spreadsheet review -
https://docs.google.com/spreadsheets/d/1pkIMX2Vve9VhNyAXb9WB8xyZvDgdPZk_SkZdyI3Xko/edit?usp=sharing

6. Next Meeting
Date to be discussed, uncertain; tentatively aiming to request half a day on Wednesday. Next plenary meeting week will be virtual and tentatively held on the first week of June 2022.

7. Adjournment
The meeting was moved to be adjourned at 10:21 a.m. CST. The meeting was conducted in accordance with the TIA Legal Guidelines and engineering procedures.
8. 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 “2022-01 Virtual” folder

9. 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).

10. 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:

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<tr>
<th>Name</th>
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<tr>
<td>David Kozischek, Chair</td>
<td><a href="mailto:kozischedr@corning.com">kozischedr@corning.com</a></td>
<td>(781) 583-7826</td>
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<tr>
<td>Roman Shubochkin, Vice-Chair</td>
<td><a href="mailto:RShubochkin@ofsoptics.com">RShubochkin@ofsoptics.com</a></td>
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