



**Telecommunications Industry Association**

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

**Approved by General Counsel**

TR-42.13 Subcommittee on Passive

Optical Devices and Fiber Optic

Metrology

Meeting Date: 02 February 2023

Location: Tampa, FL

Approved: 16 February 2023



## Meeting Report

### TR-42.13 Passive Optical Devices and Fiber Optic Metrology

Date: February 2, 2023  
Time: 8:00AM to 12:00PM EST  
Location: Hilton Tampa Airport Westshore  
2225 N, Lois Ave  
Tampa, FL 33607  
Chair: Greg Sandels  
Vice Chair: Sunny Xu

**Meeting/Event Schedule:** see TIA's Events Calendar for the full schedule (<https://tiaonline.org/events/>)  
**GoToWebinar Registration:** <https://attendee.gotowebinar.com/register/2187034608048025871>

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#### 1. Administrative/General Business

##### 1.1. Call to Order

Chair called the meeting to order at 8:02am EST and welcomed all members attending both in person and remotely. All attendees were advised of the TIA 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-42.13 standards projects from the user and general interest categories.**

##### 1.2. Attendance (Call Quorum, Introductions, Roster)

Chair established quorum with 21 of 29 quorum companies in attendance (15 needed).

The following participants were reported as attendees via GoToWebinar.

Participant	Affiliation
Adnan Ahmed	R&M
Nik Angra	AFL Hyperscale

Participant	Affiliation
David Kozischek	Corning
Andrew Kurtzman	TIA



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Adam Broughton	Sumitomo Electric
<b>Participant</b>	<b>Affiliation</b>
Shelly Buchter	US Conec
Brandi Burton	NAVSEA
Dan Cassidy	UL
Zach Clampitt	CommScope
Mike Connaughton	Leviton
Ana Carolina Cruz	Belden
Rick Dallmann	Cable Express
Scott Eischens	CommScope
Steve Eisele	Data Center Systems
Christin Ford	Superior Essex
Seymour Goldstein	Fluke Networks
Mike Gurreri	CommScope
Gang He	EXFO
Derek Huffman	Corning
Jeff Hutchins	Ranovus
Phil Irwin	Panduit
Hamid Jahani	Santec
Helmut Knehr	Ericsson
Emmanuel Kolczynski	Senko

Angela Lambert	Corning
<b>Participant</b>	<b>Affiliation</b>
Ben Lee	Senko
Sylvanus Lee	Leviton
Andrea Lizarraga	Belden
Tom McGarry	TIA
Cindy Montstream	Legrand
Dan Morris	KITCO Fiber Optics
Tiger Ninomiya	Senko
Jacquelynn Pressey	NAVAIR
Alex Richard	Legrand
Phillip Rivers	Molex
Erich Rosenast	Tempo Communications
Tyler Royer	Senko
Greg Sandels	OFS
Thomas Schmalzigaug	HUBER SUHNER
Roman Shubochkin	OFS
Daniel Smith	Nest Tech
Tara Tameh	Belden
Ron Tellas	Belden
Patrick Tourreau	Photon Kinetics



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Dave Valentukonis	Siemon
Sunny Xu	CommScope

### 1.3. TR42.13 Leadership Elections

**Motion 1:** Elect Sunny Xu (CommScope) as Chair of TR42.13.

M: Dan Morris      S: Greg Sandels

Result: Motion passed without any objections.

**Motion 2:** Elect Shelly Buchter (US Conec) as Vice-Chair of TR42.13.

M: Sunny Xu      S: Dan Morris

Result: Motion passed without any objections.

### 1.4. Current Meeting Agenda Review and Approval

Review and approve the current meeting agenda with revision (TR42.13-2023-02-001c).

**Motion 3:** Approve revised agenda with addition to Distribution of documents and contributions.

M: Phil Irwin      S: Dave Valentukonis

Result: Motion passed without any objections.

### 1.5. Previous Meeting Report Review and Approval

Review and approve the previous meeting report (TR42.13-2022-10-007) that has been approved by TIA and posted to TIAConnect.

**Motion 4:** Approve previous meeting report.

M: Sunny Xu      S: Phil Irwin

Result: Motion passed without any objections.

### 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



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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.:

Document #	Title/Subject	Contributor	Affiliation
TR42.13-2022-10-007	October 5, 2022 Approved Meeting Report	S. Xu	CommScope
TR42.13-2023-02-001c	February 2, 2023 Meeting Agenda	Xu/Sandels	CommScope/OFS
TR42.13-2023-02-002	IEC 86B Liaison Report	D. Huffman	Corning
TR42.13-2023-02-003	CENELEC Liaison Report	T. Schmalzigaug	H+S
TR42.13-2023-02-004	Optical Connectivity for Co-packing	J. Hutchins	Ranovus
TR42.13-2023-02-005	Options for Dual LC and MPO for QSFP-DD and OSFP	T. Ninomiya	Senko
TR42.13-2021-10-002	IEC Adoptions-Status Feb 2023Alt	G. Sandels	OFS
TR42.13-2023-02-006	February 2, 2023 Meeting Report	S. Xu	CommScope

## 2. Liaison Reports

### 2.1. IEC SC 86B Liaison Report – Derek Huffman

D. Huffman provided status of all working documents within IEC SC86B WG4, WG6 and WG7. The relevant projects to TR42.13 development (FOTPs and adoption projects) were highlighted. The next IEC SC86B WG meeting will be held in Putrajaya, Malaysia the week of March 20<sup>th</sup>, 2023.

### 2.2. CENELEC Liaison Report – Thomas Schmalzigaug

T. Schmalzigaug provided updates on the EN 50377 product specifications development relevant to single-mode connector optical interface. Various documents are currently under maintenance. The next CENELEC TC86BXA WG1 meeting will be held in Brussels, Belgium on June 6<sup>th</sup> or 7<sup>th</sup>, 2023.

## 3. Old Business

### 3.1. Previous Action Items

Action Items		Status
#1	Helmut K. to compare IEC TR 61931 terminologies to TIA-TR42.5 terminologies.	<del>Rollover from January 2022 meeting.</del> Close action item until a full review and comparison are needed.



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### 3.2. IEC 61755 SM connector optical interfaces adoption

Document	Title	Status
ANSI/TIA-621.1	(Adoption of IEC 61755-1:2022) General and guidance	ANSI/TIA Adoption ballots will open early February 2023.
ANSI/TIA-622.1	(Adoption of IEC 61755-2-1:2022) Non-angled	ANSI/TIA Adoption ballots will open early February 2023.
ANSI/TIA-622.2	(Adoption of IEC 61755-2-2:2022) Angled	ANSI/TIA Adoption ballots will open early February 2023.
ANSI/TIA-622.4	(Adoption of IEC 61755-2-4:2015) Non-angled, reference connection	TIA Industry ballot closed on July 5, 2022. Ballot passed.
ANSI/TIA-622.5	(Adoption of IEC 61755-2-5:2015) Angled, reference connection	TIA Industry ballot closed on July 5, 2022. Ballot passed.

Currently waiting for the editable documents of IEC 61755-1, IEC 61755-2-1 and IEC 61755-2-2.

**Motion 5:** Publish ANSI/TIA-622.4 and ANSI/TIA-622.5.

M: Greg Sandels S: Mike Connaughton

Result: Motion passed without any objections.

## 4. New Business

### 4.1. Contributions

#### 4.1.1. Optical Connectivity for Co-packing – Jeff Hutchins

Guest speaker J. Hutchins presented on co-packing technology – overview, applications and requirements, manufacturability considerations. The key drivers for co-packing solutions are the need for network power reduction and enablement of low-latency, high-density and high-capacity applications. Co-packing deviates from the traditional plug-n-play optics, therefore, it requires high fiber and connector reliability performance. Denser fiber coupling and connector solutions are needed to achieve the increasing co-packing densities.

#### 4.1.2. Options for Dual LC and MPO for QSFP-DD and OSFP – Tiger Ninomiya

T. Ninomiya presented the dual-LC and dual-MPO connector specifications from the QSFP-DD and OSFP MSAs. The belly-to-belly minimum pitches are currently specified, a wider pitch can be used and could cause mating issues with adjacent transceivers. Committee reviewed a few proposals and discussed whether to specify a maximum pitch, a minimum pitch or both is necessary. The belly-to-belly pitch specifications are currently not defined within TIA (nor IEC), and no consensus has been reached to add such specifications to the FOCIS documents (FOCIS-5 and FOCIS-10)

T. Ninomiya will collect feedback from interested companies and provide to the MSAs. The feedback represents individual company's position and not an official TIA response.



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### 4.1.3. IEC Adoptions – Greg Sandels

G. Sandels presented on the IEC adoption project (performance and optical interface documents) status and the next steps. ANSI/TIA-623 series is approved in TIA to adopt the IEC 61755-3-1. G. Sandels plans to bring PARs at next meeting to adopt the next set of IEC documents.

### 4.2. New Projects and Proposals

### 5. Document Maintenance

TR42.11, .12 and .13 leadership have been reviewing and updating the TIA-TR42 document list. A joint leadership meeting will be held to ensure all published documents have been captured correctly and discuss best way to maintain the list moving forward.

### 6. New Action Items Review

AI #1	Greg to follow up on the status of IEC 61755-1, IEC 61755-2-1 and IEC 61755-2-2 word documents.
AI #2	Sunny to upload contribution TR42.13-2021-10-02 on IEC Adoption.
AI #3	Sunny to submit TIA-622.4 and TIA-622.5 for publication.
AI #4	Greg to provide a presentation on TIA-623 at June meeting.
AI #5	Greg to review the next IEC series to adopt and potentially bring PAR at the next meeting.
AI #6	Sunny to schedule an interim joint-meeting with TR42.11, .12 and .13 leadership to review document list.

### 7. Upcoming Meetings

June 5-9, 2023 Location: TBD

### 8. Adjournment

**Motion #6:** Adjourn meeting at 10:24am.

M: Dave Valentukonis S: Mike Connaughton

Result: Motion passed without any objections.

Chair Mr. Sandels thanked all members participated in the meeting and for the contributions and discussions.

**This meeting was conducted in accordance with the TIA Legal Guidelines and the engineering procedures.**



## Meeting Report

### 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-42.13 Standalone Library:

[connect.tiaonline.org/communities/community-home/...](https://connect.tiaonline.org/communities/community-home/...)

### AVAILABILITY OF MEETING DOCUMENTS:

TR-42.13 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-42.13 Passive Optical Devices and Optic Metrology"
- Click on "Documents" and then navigate to any meeting folder of interest.

### 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 not 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:**

Greg Sandels, Chair	<a href="mailto:gsandels@ofsoptics.com">gsandels@ofsoptics.com</a>	(770) 798-2036
Sunny Xu, Vice-Chair	<a href="mailto:Sunny.Xu@commscope.com">Sunny.Xu@commscope.com</a>	(972) 345-3812

**Telecommunications  
Industry Association**

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

**+1.703.907.7700 MAIN  
+1.703.907.7727 FAX**