



Telecommunications Industry Association

1310 North Courthouse Road, Suite 890
Arlington, VA 22201 | www.tiaonline.org

Approved by General Counsel

TR-42.9 Subcommittee on Industrial Telecommunications Infrastructure

Meeting Date: 03 February 2021

Location: Teleconference

Approved: 17 February 2021



TR-42.9 Meeting Report

TR-42.9 Industrial Telecommunications Infrastructure Subcommittee

Date: February 3, 2021
 Time: 11:15 AM -6:00 PM CST
 Location: Virtual GoToWebinar
 Chair: Brad Woodman
 Vice Chair: Brian Shuman

1. Administrative/General Business

1.1. Call to Order

1.2. The chair, Brad Woodman, called the meeting to order at 11:15 AM CST

1.3. Attendees were advised of the Important Notice of Participation

IMPORTANT NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any subelement thereof, constitutes acceptance of and agreement to be bound by all provisions of the current TIA Procedures for American National Standards (PANS) and the TIA Engineering Committee Operating Procedures (ECOP) 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 communities.

1.4. Attendance (Call Quorum, Introductions, Roster)

The attendees introduced themselves and registered attendance using the on-line system. Quorum was verified by roster call. Attendees:

Name	Company	Name	Company
Tellas, Ron	Belden	Poulsen, Jeffrey	Leviton
Shuman, Brian	Belden	DiMinico, Chris	MC Communications
Siev, Virak	Belden	Woodman, Brad	Molex
Zimmerman, George	CME Consulting	Jones, Cameron	ODVA/Rockwell
Larsen, Wayne	Commscope	Sean Lenz	Panduit
Hess, Dave	CORD DATA	Voss, Bob	Panduit
Kozischek, David	Corning	Thwaites, Steve	Prysmian Group
Brillhart, Theodore	Fluke Networks	Ahmed, Adnan	RDM

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Winston, William	Fluke Networks	Ceella, Brian	Siemon
Coelho, Talita	Furukawa Electric	Maguire, Valerie	Siemon
Kuniyoshi, Cristina	Furukawa Electric	Huedepohl, Konstantin	Softing
Emplit, Ray	Harger	Ellis, Mark	Stewart Connector-Bel
Schmidt, Rainer	Harting	Pickles, Tim	Surtec America
Cornelison, Ken	Hitachi Cable	Ehredt, Al	Telegartner
Zeleny, Jordan	Hitachi Cable	Tassone, Anthony	UL
Barrera, Dan	Ideal Networks	Vanderlaan, Paul	UL
Pelletier, Antoine	Intertek/ETL	Vaden, Sterling	Vaden Enterprises

1.5. Current Meeting Agenda Review and Approval

The meeting agenda (TR429-2021-02-002b) was approved without objection

1.6. TIA Intellectual Property Rights (Early Disclosure Policy)

The Chair brought to the attention of the attendees the TIA policy regarding intellectual property rights:

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 were distributed on the TIA Connect site:

Document #	Title	Company	Contributor
TR429-2020-10-033	October 7th meeting report	Molex	Brad Woodman
TR429-2021-02-001	SPE Task group January 5 th meeting minutes	Belden	Ron Tellas



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TR429-2021-02-002b	February 3rd meeting agenda	Molex	Brad Woodman
TR429-2021-02-003	TIA-1005-B ballot comments	Molex	Brad Woodman
TR429-2021-02-004a	TIA-1005-B ballot comments with editor's recommendation	Molex	Brad Woodman
TR429-2021-02-005	Single Pair Link Segment-Mode Conversion-Coupling Attenuation	MC Communications	Chris Diminico
TR429-2021-02-006	TIA-568.7 draft 1.0	Belden	Ron Tellas
TR429-2021-02-007a	Shielded Cable Balance Measurements	Vaden Enterprises	Sterling Vaden

1.8. Chair's Report and General Items

1.8.1. TIA Connect

The Chair reviewed the use of the new TIA Connect website for communications and document access

1.8.2. Elections for Chair and Vice-Chair

Brad Woodman acclaimed as Chair

Brian Shuman acclaimed as Vice-Chair

1.8.3. List of Standards & TSBs from Committee

Document	Title	Date of Revision	Current Status
ANSI/TIA-1005-A	Telecommunications Infrastructure Standard for Industrial Premises	3/17/2020	
ANSI/TIA-1005-A-1	Telecommunications Infrastructure Standard for Industrial Premises Addendum 1, M12-8 X-coding Connector	3/17/2020	
ANSI/TIA-1005-B	Telecommunications Infrastructure Standard for Industrial Premises	In progress	Committee Ballot
ANSI/TIA-568.7	Balanced single twisted-pair communications cabling and components Standard for Industrial Premises	In progress	Draft

2. Old Business

2.1. ANSI/TIA-1005-B

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2.2. Committee ballot of ANSI/TIA-1005-B

Comment Resolution was addressed. Most comments resolved.

MOTION: Pause the comment resolution and document balloting until ANSI/TIA-568.7 is more mature. MOTION PASSED by voice without any opposition

2.3. ANSI/TIA568.7 Industrial SPE

Initial strawman draft reviewed. Committee agreed to implement changes to the draft. Virtual meetings schedules March 24 12:00 – 2:00 EST. April 29 12:00-2:00 EST.

2.4. Other Old Business

3 New Business

3.1. Contributions

3.2. SPE Link Segment Mode Conversion Coupling Attenuation

Presentation on IEEE Mode Conversion and Coupling Attenuation parameters for SPE.

3.3. SPE Balance Test Results

Presentation on shielded SPE cable balance testing.

3.4. Incoming liaison letters

No incoming liaison letters were reported.

3.5. Other new business

No other new business was reported.

3.6. Outgoing liaison letters

None

4 Output documents for US-TAG

None

5 Upcoming meetings

- June 8-12, 2021 location TBD
- October 4-8, 2021 tentative date
- All 2021 locations may change, as required due to COVID.

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6 Adjournment

MOTION: To adjourn

MOTION PASSED by voice without any opposition

Adjourned at 3:09 PM CST

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

7 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 Standalone Library: <https://connect.tiaonline.org/communities/community-home/librarydocuments?LibraryKey=3EAA9087-C7B2-4503-9DFB-C3787088B28D>

8 AVAILABILITY OF MEETING DOCUMENTS:

TR-42 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-42.9 Industrial Telecommunications Infrastructure"
- Click on "Documents" and then select the "2021 Meetings" folder
- Click on the "2021-02 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 Procedures 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

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the meeting will be held on Thursday the 20th, the contributions shall be posted by noon on Monday the 10th).

10 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:

Brad Woodman, Chari	bradley.woodman@molex.com	(630) 718-5789
Brian Shuman, Vice-Chair	brian.shuman@belden.com	(765) 983-5667