



Meeting Notice & Agenda

TR-42.7 Agenda

Organization: ANSI Accredited Engineering Committee TIA TR-42.7

Telecommunications Copper Cabling Systems

Date: Friday, January 29, 10:00 am – 5:00 pm eastern time

Thursday, February 4, 10:00 am – 5:00 pm eastern time

Meeting Location: Web and phone as below

Friday, January 29, 10:00 am – 5:00 pm eastern time:

<https://attendee.gotowebinar.com/register/5582124188546536204>

Thursday, February 4, 10:00 am – 5:00 pm eastern time:

<https://attendee.gotowebinar.com/register/910758877986862092>

Please cut and paste this web address link into your browser's address bar to register for the meeting. You will receive an e-mail with a link to join the meeting. Each person must register for the meeting separately.

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

<https://global.gotomeeting.com/install/684626269>

Chair:	Wayne Larsen	CommScope	214-587-3970
Vice-Chair:	Sterling Vaden	Vaden Enterprises	828-712-3482

IMPORTANT NOTICE OF PARTICIPATION

Participation in, or attendance at, any activity of a TIA Formulating Group or any sub element 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), including but not limited to all competition and antitrust laws. Participation in, or attendance at, any activity of a TIA Formulating Group or any sub element thereof, also constitutes acceptance of and agreement to 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

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**



Meeting Notice & Agenda

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-42.7 standards projects from the user and general interest communities.

1 ADMINISTRATIVE

1.1 Call to order

1.2 Attendance (call quorum, introductions, announce web registration code)

1.3 Intellectual Property Rights Policy

"TIA's Intellectual Property Rights Policy can be found in Statements of Policy (ANNEX C) and other clauses and annexes of this document. 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."

1.4 Elections for Chair and Vice-chair

1.5 Chair's Report

1.6 Agenda review and approval (TR-42.7-2021-02-001a)

1.7 Meeting report review and approval (TR42.7-2021-01-002)

1.8 Distribution of documents and contributions

(Contributions left in this place in the agenda do not need to be reviewed during this meeting.)

1.9 Review of incoming liaison letters, reports, and requests

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**



Meeting Notice & Agenda

1.10 Review of action items

Item	Task group name or owner	Task group membership or task description	Completion Date
1	Antoine Pelletier	Task group to investigate short channel cat 8 PSANEXT. Members include Antoine Pelletier, Mike Borgman, Phillip Rivers, Sterling Vaden, Derrick Stikeleather, Brian Celella, Naved Khan, Jeff Poulsen, Paul Vanderlaan, Peter, Arvind, Will Winston	Completed by contributions to past meetings This task group will now be dormant until there are more contributions No Change in status
2	POE legislation ad hoc	Ron Tellas leader Val Maguire, Frank Straka, Fred Dawson, Antoine Pelletier, Dave Jeskey, Mark Dearing, Todd Harpel, Adnan Ahmed, George Zimmerman, Trent Hayes, Chris DiMinico, Diane Forbes	Ron Tellas has made reports, will continue to report as needed Ongoing
3	Test methods TG Derrick Stikeleather leader	Solve the problem of the grounding of the remote end	Round robin is planned, being delayed by virus considerations Ongoing – Derrick gave verbal report
4	Wayne Larsen	Stimulate press release and by other methods attempt to provoke participation from industry experts in support of SPMD	Completed by David Bain
5	Ray, Wayne	Update 568.2-D-2 per default ballot results and previous ballot results, and publish	Complete
6	Wayne	Forward SPMD liaison letter to IEEE to plenary for consideration	Complete
7	Todd	Task group to study 1-pair cable heating. Members Bob Voss, Chris, Darshana, Dave Hess, Paul, Brian C., Anthony, George	Hold a meeting, not scheduled yet, to begin study. Ongoing – Todd reported status in cont. 98 A meeting is planned for Oct 16
8	Arvind, Wayne	Update draft per comment resolution and circulate another committee ballot for ANSI/TIA-5071	Complete



Meeting Notice & Agenda

9	Sterling, Wayne	Update draft per comment resolution and circulate another industry ballot for ANSI/TIA-568.5	Complete
10	Chris	Hold a TG meeting to discuss SP-II field testing	Complete

2 OLD BUSINESS

2.1 Field testing for 1-pair cabling to be published as ANSI/TIA-5071

- *Expect to review comments on 3rd committee ballot*
- *Possible vote to circulate 4th committee ballot*
- *Possible vote to circulate industry ballot*

2.2 Consider PAR for TSB for Guidance for supporting power delivery over single-pair (To include thermal performance)

2.3 Consider re-affirmation, revision, or withdrawal of ANSI/TIA-1152A, Requirements for field test instruments and measurements for balanced twisted-pair cabling

- *Possible vote to re-affirm*
- *Possible vote to initiate project to revise*
- *Possible vote to withdraw*

2.4 Consider re-affirmation, revision, or withdrawal of TIA-5021, Guidelines for the Use of Installed Category 5e and Category 6 Cabling to Support 2.5GBASE-T and 5GBASE-T

- *Possible vote to re-affirm*
- *Possible vote to initiate project to revise*
- *Possible vote to withdraw*

2.5 ANSI/TIA-568.5 standard for 1-pair cabling

- *Expect to review comments on industry ballot*
- *Possible vote to circulate 3rd industry ballot*
- *Possible vote to default ballot*
- *Possible vote to publish*

2.6 ANSI/TIA-568.6, Single Pair Multi-Drop (SPMD) cabling and component specifications

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**



Meeting Notice & Agenda

- *Expect to review contributions*
- *Possible vote to circulate mock ballot*
- *Possible vote to circulate committee ballot*
- *Possible vote to circulate industry ballot*

3 NEW BUSINESS

3.1 Possible other new projects

3.2 Output documents and letters

- 3.2.1 Consider a liaison to IEEE on single-pair cabling and connectors.
- 3.2.2 Consider any draft documents to liaise to any other SDOs
- 3.2.3 Consider any other output documents

3.3 Review of potential new work items

3.4 Review of action items

3.5 Determination of future meeting dates

4 FUTURE MEETING DATES AND SCHEDULE

June 7-11, 2021, location TBD

October 4-8, 2021, Tentative date and location TBD, pending date of IEC meeting

5 ACKNOWLEDGEMENTS

6 ADJOURNMENT

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-42.7 Standalone Library:

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

AVAILABILITY OF MEETING DOCUMENTS:

TR-42.7 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"

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**



Meeting Notice & Agenda

- Click the “*Communities*” tab and then select “*All My Communities*”
- Scroll down the page and select “*TR-42.7 Cooper Cabling Systems*”
- Click on “*Documents*” and then select the “*2021-02 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 Valerie Maguire (the EDC) at valerie_maguire@siemon.com and copied to the chair and vice-chair. 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).

All contributions shall be sent to the EDC for posting on appropriate location on TIA Connect no later than 12:00 am AOE on the Thursday preceding the week of the meeting in which the contribution is to be considered (example: if the meeting will be held on Thursday the 28th, the contributions shall be sent by midnight on Thursday the 21st).

LATE CONTRIBUTIONS:

Contributions not posted as described in the timing above shall be classified as “late contributions.” They may be considered in the meeting to which they are addressed provided that an appropriate motion receives 50% or greater of a vote.

All late contributions shall be provided to the EDC and to the committee members on a memory stick or CD-ROM along with sufficient paper copies for those members without a PC.

All late contributions shall be posted to TIA Connect no later than one week following the meeting in which they are considered. Notification of the posting shall be made to the group’s email reflector list by the EDC.

Questions and Comments concerning this agenda should be submitted to:

Chair: Wayne Larsen	Ph: (214)-587-3970	E: wayne@wdlresearch.com
Vice-chair: Sterling Vaden	Ph: (828)-712-3482	E: sterlingv@charter.net

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**



Meeting Notice & Agenda

Document	Title	Date of Revision	Current Status
	Guidance for supporting power delivery over single-pair		Project approved, title not yet official
ANSI/TIA-568.6	Single Pair Multi-Drop (SPMD) cabling and component specifications		New project, no documents yet
ANSI/TIA-5071	Requirements for Field Test Instruments and Measurements for Balanced Single Twisted-Pair Cabling		Being balloted
ANSI/TIA-568.2-D-1	Balun requirements for Category 8 testing	April 2019	Published
ANSI/TIA-568.2-D-2	Balanced Twisted-Pair Telecommunications Cabling and Components Standard Addendum 2: Power Delivery Over Balanced Twisted-Pair Cabling	July 2020	Published
ANSI/TIA-568.5	Single pair balanced twisted-pair telecommunications cabling and components		Being balloted
TSB-184-A-1	Guidelines for the use of 28 AWG cords for power delivery	February 2019	Published
ANSI/TIA-1183-A	Measurement methods and test fixtures for balun-less measurements of balanced components and systems	March 2017	Published
ANSI/TIA-568.4-D	Broadband Coaxial Cabling and Components Standard	June 2017	Published
TSB-184-A	Guidelines for Supporting Power Delivery Over Balanced Twisted-Pair Cabling	2017	Published
ANSI/TIA-568.2-D	Balanced Twisted-Pair Telecommunications Cabling and Components Standard	2018	Published
ANSI/TIA-1152-A	Requirements for Field Test Instruments and Measurements for Balanced Twisted-Pair Cabling	2016	Published
TSB-5021	Guidelines for the Use of Installed Category 5e and Category 6 Cabling to Support 2.5GBASE-T and 5GBASE-T	2016	Published

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**



Meeting Notice & Agenda

TSB-5019	High Performance Structured Cabling Use Cases for Data Centers and Other Premises	2020 (Re-affirmed)	Published
TSB-155-A	Guidelines for the Assessment and Mitigation of Installed Category 6 Cabling to Support 10GBASE-T	2014 (Re-affirmed)	Published
TSB-5008	Mechanically-Generated Cable Impulse Noise Detection and Characterization	2019 (Re-affirmed)	Published
TSB-1197	Mode Conversion Parameters for Balanced Twisted Pair Cabling	2019 (Re-affirmed)	Published
TSB-190	Guidelines on Shared Pathways and Shared Sheaths	2018 (Re-affirmed)	Published

**Telecommunications
Industry Association**

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

**+1.703.907.7700 MAIN
+1.703.907.7727 FAX**