



Meeting Notice & Agenda

TR-42.7 Agenda

Organization: ANSI Accredited Engineering Committee TIA TR-42.7
Telecommunications Copper Cabling Systems

Date: Wednesday, June 16, 12:15 pm – 7:00 pm eastern time
Thursday, June 17, 11:15 am – 7:00 pm eastern time

Meeting Location: Web and phone as below

Wednesday, June 16, 12:15 pm – 7:00 pm eastern time

<https://attendee.gotowebinar.com/register/8726771427372736784>

Thursday, June 17, 11:15 am – 7:00 pm eastern time

<https://attendee.gotowebinar.com/register/1154170964089031437>

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.

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

| | | | |
|-------------|---------------|--------------------|--------------|
| Chair: | Wayne Larsen | CommScope | 214-587-3970 |
| Vice-Chair: | Brian Celella | The Siemon Company | 860-945-8589 |

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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."

1.5 Chair's Report

1.6 Agenda review and approval (TR-42.7-2021-06-024a)

1.7 Meeting report review and approval (TR42.7-2021-06-025)

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

1.10 Review of action items

| Item | Task group name or owner | Task group membership or task description | Completion Date |
|------|--------------------------|---|-----------------|
|------|--------------------------|---|-----------------|



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|----|--|---|---|
| 1 | 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 | Expecting a report at the June meeting. Ron Tellas has made reports, will continue to report as needed Ongoing |
| 2 | Test methods TG Derrick Stikeleather leader | Solve the problem of the grounding of the remote end | Derrick is hoping to get additional samples, and have more to report in June. Round robin is planned, being delayed by virus considerations Ongoing |
| 3 | Todd | Task group to study 1-pair cable heating. Members Bob Voss, Chris, Darshana, Dave Hess, Paul, Brian C., Anthony, George | Held several meetings and several contributions. Close to validating an equation for shielded cable, will follow up with UTP. Will continue task group. |
| 4 | Chris | Hold a TG meeting to discuss SP-II field testing | Complete |
| 5 | Cameron | Make a contribution on SPMD | |
| 6 | Wayne, Dave, Sterling | Send the updated 568.5 to the USTAG to ISO | Complete |
| 7 | Wayne, Dave, Arvind | Send the updated 5071 draft to the USTAG to IEC TC46 | |
| 8 | Wayne, Sterling | Circulate industry ballot for 568.5 | Complete |
| 9 | Wayne, Arvind | Circulate industry ballot for 5071 | Complete |
| 10 | Wayne | Notify TIA to re-affirm TIA-TSB-5021 | Complete |
| 11 | Wayne | Notify TIA to circulate ballot to re-affirm ANSI/TIA-1152A | Re-affirmation ballot has been circulated |

2 OLD BUSINESS

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

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- *No action since industry ballot is still open*

2.2 Consider TSB for Guidance for supporting power delivery over single-pair TIA-TSB-5070 (To include thermal performance)

- *Expect to review preliminary outline*
- *Possible vote to circulate 1st committee ballot*
- *Possible vote to circulate 1st industry ballot*

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

- *Re-affirmation ballot not expected to close by June meeting*
- *Possible vote to conditionally accept result of vote to re-affirm and to publish*

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

- *Expect to review comments on 4th industry ballot*
- *Possible vote to circulate 5th industry ballot*
- *Possible vote to default ballot*
- *Possible vote to publish*

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

- *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



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3.5 Determination of future meeting dates

4 FUTURE MEETING DATES AND SCHEDULE

October 18-22, 2021, Location TBD

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"
- 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).

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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: Brian Celella | Ph: (860)-945-8589 | E: Brian_Celella@siemon.com |

| Document | Title | Date of Revision | Current Status |
|--------------------|--|------------------|-------------------------------|
| TSB-5070 | Guidelines for Supporting Power Delivery over Balanced Single Twisted-Pair Cabling | | New project, no documents yet |
| 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 |

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| 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 (Re-affirmation in process) |
| TSB-5021 | Guidelines for the Use of Installed Category 5e and Category 6 Cabling to Support 2.5GBASE-T and 5GBASE-T | 2021 (Re-affirmed) | Published |
| 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 |

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