

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:

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

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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."

- 1.4 Elections for Chair and Vice-chair
- 1.5 Chair's Report
- 1.6 Agenda review and approval (TR-42.7-2021-02-001)
- 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
- 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 |

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|----|-----------------|---|---|
| 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 |
| 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 ANSI/TIA-1152A, 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

- 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:

All meeting attendees are instructed to download contributions and other meeting documents from the TIA TR-42.7 FTP site (<http://ftp.tiaonline.org/TR-42.7/>) before the meeting. For information on how to access the FTP site, contact TIA (Marta Soncodi, MSoncodi@tiaonline.org).

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 the TR42 FTP site 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 the TIA FTP site 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 the TIA FTP site 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 |

| 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 |
| 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 |