

TIA TR-42 Liaison to IEEE 802.3

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Introduction to TIA

- **Telecommunications Industry Association**
- **www.tiaonline.org**
- **TR-42: Defines mechanical and transmission requirements for copper twisted-pair, optical fiber, and coaxial cabling and components**

Agenda and Meeting Overview

- **June 7 – 11 in Alexandria, VA**
- **Review TR-42 sub-committee activities**
 - **10 sub-committees met**
- **Update on project development**
-  **This symbol highlight key points of interest**

TR-42 Activities

- **TR-42.1 (Commercial Building Cabling):**
 - **ANSI/TIA-1179, "Healthcare Facility Telecommunications Cabling Standard" approved for publication**
 - **ANSI/TIA-568-C.0-1, "Updated References for Balanced Twisted-Pair Cabling" approved for publication**
 - **New project: ANSI/TIA-862-A "Building Automation Systems Cabling Standard" circulating for default ballot**

TR-42 Activities

- **TR-42.1 (Commercial Building Cabling), cont.:**
 - **New project: ANSI/TIA-942-A, “Telecommunications Infrastructure Standard for Data Centers” circulating for committee ballot**
 - **New project: ANSI/TIA-568-C.0-2, “General Updates” under development**

TR-42 Activities

- **TR-42.2 (Residential Infrastructure):**
 - **ANSI/TIA-570-C, “Residential Telecommunications Infrastructure” under development**
- **TR-42.3 (Pathways and Spaces):**
 - **New project: ANSI/TIA-569-C, “Commercial Building Standard for Telecommunications Pathways and Spaces” circulating for committee ballot**



TR-42 Activities

- **TR-42.3 (Pathways and Spaces), cont.:**
 - **New project: ANSI/TIA-568-C.1-1, “Commercial Building Telecommunications Cabling Standard, Addendum 1 Pathway and Spaces” circulating for committee ballot**
- **TR-42.4 (Outside Plant):**
 - **New project: ANSI/TIA-758-B, “Customer-Owned Outside Plant Telecommunications Infrastructure Standard” circulating for default ballot**


TR-42 Activities

- **TR-42.5 (Terms and Symbols):**
 - **Definitions, acronyms, units of measure, and symbols maintained in a working document**
- **TR-42.6 (Infrastructure Administration):**
 - **New project: ANSI/TIA-606-B development deferred until ISO/IEC TR 14763-2-1 work is complete**

TR-42 Activities

- **TR-42.7 (Copper Cabling):**
 -  – **New project: ANSI/TIA-568-C.4, “Broadband Coaxial Cabling and Components Standard” circulating for industry ballot**
 -  – **New project: TSB-190, “Guidelines on Shared Pathways and Shared Sheaths” circulating for committee ballot**

TR-42 Activities

- **TR-42.7 (Copper Cabling), cont.:**
 - **New project: TIA-1183, “Test Fixtures for Balunless Measurements of Balanced Components and Systems” circulating for committee ballot**
 - **New project: “Mode Conversion Parameters for Balanced Twisted-Pair Cabling” TSB initiated**
 -  – **New agenda item: “Specifications for 4-Pair 100Ω Category 7A Cabling”**

TR-42 Activities

- **TR-42.9 (Industrial Infrastructure):**
 - **New project: ANSI/TIA-1005-A, “Telecommunications Infrastructure Standard for Industrial Premises” circulating for committee ballot**
 - **TG is investigating POF technology for possible inclusion in ANSI/TIA-1005-A**

TR-42 Activities

- **TR-42.11 (Optical Fiber Systems):**
 - **FOTP-243, “Single-ended PMD Test Method” approved for publication**
 - **TIA-526-14-B, “Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant” approved for publication**
 - **New project: TSB-178, “Launch Condition Guidelines for Measuring Attenuation of Installed Multimode Cabling” withdrawn**

TR-42 Activities

- **TR-42.12 (Optical Fibers and Cables) – did not meet:**
 - **New project: TIA-455-122-B, “FOTP-122: IEC 60793-1-48: Optical Fibres-Part 1-48: Measurement Methods and Test Procedures-Polarization Mode Dispersion” circulating for industry ballot**
 - **New project: TIA-472G000, “Standard for Optical Fiber for Placement in Sewer Environments” circulating for industry ballot**

TR-42 Activities

- **TR-42.12 (Optical Fibers and Cables) – did not meet, cont.:**
 - **New project: FOTP-7, “Numerical Aperture” under development**
 - **New project: FOTP-28, “Dynamic Tension” under development**
 - **New project: FOTP-80, “Patch Cord Wavelength” under development**
 - **New project: FOTP-244, “Expressed Tube Cycling” under development**

TR-42 Activities

- **TR-42.13 (Passive Optical Devices and Components) did not meet:**
 - **New project: TIA/EIA-455.11-D “Vibration Test Procedure for Fiber Optic Components and Cables” circulating for committee ballot**

TR-42 Activities

- **TR-42.16 (Grounding and Bonding):**
 - **New project: ANSI/TIA-607-B
“Telecommunications Grounding
(Earthing) and Bonding for Customer
Premises” circulating for default ballot**

Upcoming TIA Meetings

TR-42 Plenary Meetings

September 27 – October 1, 2010

Albuquerque, NM

www.tiaonline.org

Thank you

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