

# ***TIA TR-42 Liaison to IEEE 802.3***

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# ***Introduction to TIA***

- **Telecommunications Industry Association**
- **[www.tiaonline.org](http://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*

- **Sept 27 – Oct 1 in Albuquerque, NM**
- **Review TR-42 sub-committee activities**
  - **12 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-862-A “Building Automation Systems Cabling Standard” approved for publication**
  - **New project: ANSI/TIA-942-A, “Telecommunications Infrastructure Standard for Data Centers” circulating for default 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 industry 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 industry ballot**
- **TR-42.4 (Outside Plant):**
  - **ANSI/TIA-758-B, “Customer-Owned Outside Plant Telecommunications Infrastructure Standard” approved for publication**

# ***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, “Administration Standard for Commercial Telecommunications Infrastructure” circulating for mock ballot**

# *TR-42 Activities*

- **TR-42.7 (Copper Cabling):**
  -  – **New project: ANSI/TIA-568-C.4, “Broadband Coaxial Cabling and Components Standard” circulating for default ballot**
  -  – **New project: TSB-190, “Guidelines on Shared Pathways and Shared Sheaths” circulating for default 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 industry 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**
- **TR-42.11 (Optical Fiber Systems):**
  - **Array polarity nomenclature**
  - **OM3 and OM4 loss budgets**
  - **Encircled flux test methodology**

# ***TR-42 Activities***

- **TR-42.12 (Optical Fibers and Cables):**
  - **TIA-455-122-B, “FOTP-122: IEC 60793-1-48: Optical Fibres-Part 1-48: Measurement Methods and Test Procedures-Polarization Mode Dispersion” approved for publications**
  - **New project: TIA-472G000, “Standard for Optical Fiber for Placement in Sewer Environments” circulating for committee ballot**

# ***TR-42 Activities***

- **TR-42.12 (Optical Fibers and Cables)**  
**cont.:**
  - **New project: FOTP-244, “Expressed Tube Cycling” circulating for industry ballot**
  - **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**

# ***TR-42 Activities***

- **TR-42.13 (Passive Optical Devices and Components):**
  - **TIA/EIA-455.11-D “FOTP-11: Vibration Test Procedure for Fiber Optic Components and Cables” approved for publication**
- **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**

**February 7 - 11, 2011**

**San Diego, CA (TBD)**

**[www.tiaonline.org](http://www.tiaonline.org)**

***Thank you***

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