TIA TR-42 Liaison to IEEE 802.3

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Vice Chair, TIA TR-42 Vice Chair, TIA TR-42.7

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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-42.1 (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

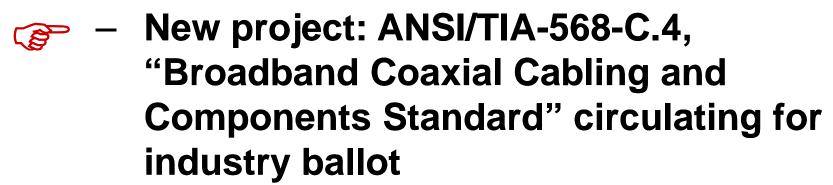
- TR-42.1 (Commercial Building Cabling), cont.:
 - New project: ANSI/TIA-942-A,
 "Telecommunications Infrastructure
 Standard for Data Centers" circulating for committee ballot
 - New project: ANSI/TIA-568-C.0-2, "General Updates" under development

- TR-42.2 (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-42.3 (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-42.5 (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-42.7 (Copper Cabling):



 New project: TSB-190, "Guidelines on Shared Pathways and Shared Sheaths" circulating for committee ballot

- 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-42.9 (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-42.11 (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-42.12 (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-42.12 (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-42.13 (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-42.16 (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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