

TIA TR-42 Liaison to IEEE 802.3

Valerie Maguire

Vice Chair, TIA TR-42

Vice Chair, TIA TR-42.7


March, 2010

Orlando, FL

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**

Liaison Report Overview

- **February 1 - 5 in Palm Springs, CA**
- **TR-42 elections**
- **Review TR-42 sub-committee activities**
 - **13 sub-committees met**
- **Update on project development**
-  **This symbol highlight key points of interest**

TR-42 Elections

- **TR-42 Chair**



Bob Jensen, Fluke Networks

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- **TR-42 Vice Chair**

Valerie Maguire, Siemon

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TR-42 Activities

- **TR-42.1 (Commercial Building Cabling):**
 - **New project: ANSI/TIA-862-A “Building Automation Systems Cabling Standard” circulating for default ballot**
 - **New project: ANSI/TIA-568-C.0-1 “Updated References for Balanced Twisted-Pair Cabling” circulating for default ballot**

TR-42 Activities

- **TR-42.1 (Commercial Building Cabling), cont.:**
 - **New project: ANSI/TIA-1179, "Healthcare Facility Telecommunications Cabling Standard" circulating for default ballot**
 - **New project: ANSI/TIA-942-A, "Telecommunications Infrastructure Standard for Data Centers" circulating for 'mock' ballot**

TR-42 Activities

- **TR-42.2 (Residential Infrastructure):**
 - **ANSI/TIA-570-B, “Residential Telecommunications Infrastructure” reaffirmed for another 5 years**
 - **New project: ANSI/TIA-570-C, “Residential Telecommunications Infrastructure” Standard initiated**
 -  – **Group would consider POF if specifications are developed by TR-42.11**

TR-42 Activities

- **TR-42.3 (Pathways and Spaces):**
 - **New project: ANSI/TIA-569-C, “Commercial Building Standard for Telecommunications Pathways and Spaces” circulating for committee ballot**
 - **New project: ANSI/TIA-568-C.1-1, “Commercial Building Telecommunications Cabling Standard, Addendum 1 Pathway and Spaces” comment resolution tabled until June**



TR-42 Activities

- **TR-42.4 (Outside Plant):**
 - **New project: ANSI/TIA-758-B, “Customer-Owned Outside Plant Telecommunications Infrastructure Standard” circulating for committee ballot**


TR-42 Activities

- **TR-42.5 (Terms and Symbols):**
 - **Definitions, acronyms, units of measure, and symbols maintained in a working document**
 - **ANSI/TIA-440-B, “Fiber Optic Terminology” reaffirmed for another 5 years**
- **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):**
 -  – **TSB-155-A, “Guidelines for the Assessment and Mitigation of Installed Category 6 Cabling to Support 10GBASE-T”, approved for publication**
 -  – **New project: ANSI/TIA-568-C.4, “Broadband Coaxial Cabling and Components Standard” circulating for committee ballot**

TR-42 Activities

- **TR-42.7 (Copper Cabling), cont.:**
 -  – **New project: TSB-190 “Guidelines on Shared Pathways and Shared Sheaths” circulating for committee ballot**
 - **New project: “Mode Conversion Parameters for Balanced Twisted-Pair Cabling” TSB initiated**

TR-42 Activities

- **TR-42.8 (Optical Fiber Cabling):**
 -  – **Subcommittee will disband**
 - **Work related to optical systems will continue in TR-42.11**
 - **Work related to optical fiber and cables will continue in TR-42.12**

TR-42 Activities

- **TR-42.9 (Industrial Infrastructure):**
 - **New project: ANSI/TIA-1005-A, “Telecommunications Infrastructure Standard for Industrial Premises” comment resolution will continue in June**
 - **TG is investigating POF technology for possible inclusion in ANSI/TIA-1005-A**

TR-42 Activities

- **TR-42.11 (Optical Fiber Systems):**
 - **New project: TIA-526-14-A, “Proposed adoption of IEC 61280-4-1 edition 2” circulating for industry ballot**
 - **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):**
 - **New project: FOTP-28, “Dynamic Tension” circulating for committee ballot**
 - **New project: FOTP-7, “Numerical Aperture” circulating for committee ballot**
 - **New project: FOTP-244, “Expressed Tube Cycling” circulating for industry ballot**
 - **New project: FOTP-80, “Patch Cord Wavelength” circulating for committee ballot**

TR-42 Activities

- **TR-42.12 (Optical Fibers and Cables), cont.:**
 - **New project: FOTP-122, “Proposed adoption of IEC 60793-1-48” circulating for industry ballot circulating for committee ballot**
 - **New project: TIA-472G000: “Proposed adoption of ICEA S-112-718-2008 - Standard for Optical Fiber for Placement in Sewer Environments” circulating for industry ballot**

TR-42 Activities

- **TR-42.13 (Passive Optical Devices and Components)**
 - **Under discussion:**
 - **single fiber endface requirements,**
 - **rectangular endface geometry,**
 - **FOTP-171 launch conditions, and**
 - **documentation regarding linearity of power meters at different wavelengths under discussion**

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 industry ballot**

Upcoming TIA Meetings

TR-42 Plenary Meetings

June 7 - 11, 2010

Alexandria, VA (TBD)

www.tiaonline.org

Thank you

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