#### 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 bjensen@youraustinhouse.com

TR-42 Vice Chair
 Valerie Maguire, Siemon
 valerie\_maguire@siemon.com

- 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-42.1 (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-42.2 (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



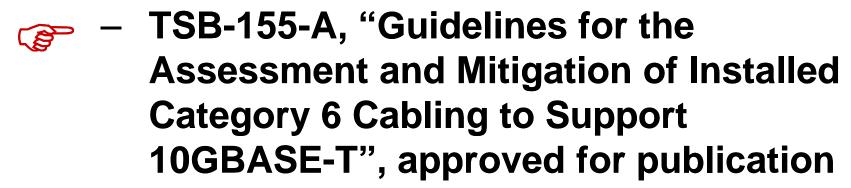
 Group would consider POF if specifications are developed by TR-42.11

- TR-42.3 (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-42.4 (Outside Plant):
  - New project: ANSI/TIA-758-B, "Customer-Owned Outside Plant Telecommunications Infrastructure Standard" circulating for committee ballot

- 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-42.7 (Copper Cabling):



New project: ANSI/TIA-568-C.4,
 "Broadband Coaxial Cabling and Components Standard" circulating for committee ballot

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-42.8 (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-42.9 (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-42.11 (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-42.12 (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-42.12 (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-42.13 (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-42.16 (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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