

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

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**March, 2008**  
**Orlando, FL**

# ***Introduction to TIA***

- **Telecommunications Industry Association**
- **[www.tiaonline.org](http://www.tiaonline.org)**
- **TR-42: Defines mechanical and transmission requirements for copper twisted-pair and optical fiber cabling and components**

# ***TIA TR-42 Meetings***

- **December 11 – 13 in Miami Beach, FL (TR-42.7 interim)**
- **February 4 - 8 in Tampa, FL**
- **Review TR-42.7 (copper cabling) activities**
- **Review TR-42 sub-committee activities**
- **Update on '568-C development**

# ***TR-42.7 Miami Beach Activities***

- **Category 6A default ballot comment resolution**
  - **Resolved category 6A, 2nd default ballot comments**
  - **Approved document for 30-day final default ballot**
  - **Reaffirm one rejected technical comment related to test plug qualification**

# ***TR-42.7 Tampa Activities***

- **Category 6A default ballot comment resolution**
  - Resolved category 6A final default ballot comment
  - Document approved for publication!
  - Will publish as **ANSI/TIA-568-B.2-10**
- **'568-C.2 development takes priority**
  - Draft 0.5 reviewed
  - PN-3-4426-RV3, draft 0.6 sent for a 30-day committee ballot

# ***TR-42.7 Tampa Activities***

- **Current carrying capacity specification**
  - **Two new contributions support the guidance previously provided to IEEE 802.3 on the current carrying capacity of cable**
- **Balance specification**
  - **Models and data presented, which indicate that there may be opportunities for the improvement of balance specifications**

# ***TR-42.7 Tampa Activities***

- **Test fixturing**
  - **Round robin testing of category 6A connecting hardware continues**
  - **Compilation of data and results expected to be ready in June, 2008**

# ***Other TR-42 Activities***

- **TR-42.1 (Commercial Building Cabling):**
  - **Addendum 1 to TIA-942 (Data Centers) approved for publication**
  - **New project to create an Environmental Classification (MICE) tutorial approved (TSB-033)**
- **TR-42.2 (Residential Infrastructure):**
  - **Comment resolution against TIA-570-B-1 Requirements for Residential Broadband Coaxial Cabling Standard ongoing**



# ***Other TR-42 Activities***

- **TR-42.3 (Pathways and Spaces):**
  - **New Working Group: TR-42.3.1 will develop and maintain standards for premises telecommunications bonding and grounding systems**
  - **TR-42.3 scope expanded to include telecommunications bonding and grounding systems**

## ***Other TR-42 Activities***

- **TR-42.5 (Terms and Symbols):**
  - Rescinded decisions to send Dictionary out for Committee ballot
- **TR-42.6 (Infrastructure Administration):**
  - Draft of TIA-606-A-2 Equipment Room and Data Center Administration Standard currently balloting
  - Proposed changes for next edition of ANSI/TIA-606-A (Administration) discussed

## ***Other TR-42 Activities***

- **TR-42.8 (Optical Fiber Cabling):**
  - **Publication of '568-C.3 delayed to ensure consistency with other '568-C family Standards**
- **TR-42.9 (Industrial Infrastructure):**
  - **Comment resolution against TIA-1005 is ongoing**

# ***TR-42 Merged with FO-4***

- **Committees merged as follows:**

| <b>From:</b>  | <b>To:</b>      |
|---------------|-----------------|
| <b>FO-4.1</b> | <b>TR-42.11</b> |
| <b>FO-4.2</b> | <b>TR-42.12</b> |
| <b>FO-4.3</b> | <b>TR-42.13</b> |
| <b>FO-4.5</b> | <b>TR-42.15</b> |

# ***New Subcommittees***

- **TR-42.11:**
  - **Optical Fiber Systems**
- **TR-42.12:**
  - **Optical Fibers and Cables**
- **TR-42.13:**
  - **Interconnecting Devices and Passive Components**
- **TR-42.15:**
  - **Fiber Optical Metrology**

# ***'568-C Development***

- **SP-3-0177-C-1: (pending '568-C.0)**
  - **1<sup>st</sup> default ballot will close May 5, 2008**
- **SP-3-4425-RV3-C-1: (pending '568-C.1)**
  - **1<sup>st</sup> default ballot will close May 5, 2008**
- **PN-3-4426-RV3: (pending '568-C.2)**
  - **1st PN ballot closes March 17, 2008**
- **ANSI/TIA-568-C.3**
  - **Approved for publication: Sept., 2007**

# ***Upcoming TIA Meetings***

## **TR-42 Interim Meeting**

**March 25 - 28, 2008**

**Santa Barbara, FL**

## **TR-42 Plenary Meeting**

**June 2 - 6, 2008**

**Providence, RI**

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

# ***Pending S.B. Discussions***

- **The agenda for this interim meeting is expressly to resolve PN-3-4426-RV3 comments**
- **Flex time (maximum 1 hour) for:**
  - **Cabling and component balance specification**
  - **Test fixturing**



***Thank you***

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