

TIA TR-42 Liaison to IEEE

Val Rybinski

Chair, TR-42.7

Sterling Vaden

Vice-Chair, TR-42.7

November, 2007

Atlanta, GA

TIA TR-42 Meetings

- **September 24 – 28 in Palm Springs, CA**
- **Review TR-42.7 activities**
- **Review TR-42 liaison to IEEE 802.3 regarding clarification on current carrying capacity recommendations**
- **Review TR-42 sub-committee activities**
- **Update on '568-C development**

TR-42.7 Palm Springs Activities

- **Chair and Vice-Chair Elections**
- **Category 6A default ballot comment resolution**
 - **Resolved category 6A 1st default ballot comments**
 - **Approved document for 45-day 2nd default ballot**
 - **New annex G and limited clause H text (Connecting Hardware Test Procedures and Measurement Fixturing) developed**

TR-42.7 Palm Springs Activities

- **TIA current carrying capacity specification**
 - Reviewed draft 0.2 scope
 - PINs/PAR to be developed
 - Possible procedures for monitoring temperature rise discussed
 - Wael Diab presented a contribution summarizing expert opinions on PoE Plus constraints and issues

TR-42.7 Palm Springs Activities

- **TIA current carrying capacity specification, cont.**
 - **Firm recommendations already provided – i.e. no further investigation is required if the current is less than 720mA, the temperature is less than 45°C, and the maximum power inserted into the bundle is less than 5,000W**
 - **De-rating strategies will be difficult to investigate**

TR-42.7 Palm Springs Activities

- **TIA current carrying capacity specification, cont.**
 - **It was noted that cables are conditioned at temperatures much higher than 60°C and there is no concern of shorting or degradation of the insulation at these temperatures**

TR-42 Liaison – Clarification

The purpose of this letter is to:

- 1) Provide requested clarification on previous TIA contributions and liaison letters**

Proceed to an online review of the liaison letter

SP-3-4426-AD10-D-2, d9.0

- **AD10 (category 6A 2nd default)**
 - **2nd default ballot will close on December 3, 2007**
 - **Comments tasked for resolution during the Miami, FL interim meeting on December 11 – 13, 2007**
 - **It is reasonable to expect this ballot cycle to be followed by a final default ballot, thus supporting '568-B.2-10 approval for publication in February of 2008**

Other TR-42 Activities

- **TR-42.1:**
 - **TIA/EIA-862 Building Automation Standard affirmed for re-publication**
- **TR-42.2:**
 - **Draft of TIA-570-B-1 Requirements for Residential Broadband Coaxial Cabling Building Automation Standard balloting**

Other TR-42 Activities

- **TR-42.3:**
 - **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**
- **TR-42.5:**
 - **Send Dictionary out for Committee ballot**

Other TR-42 Activities

- **TR-42.6:**
 - **Draft of TIA-606-A-1 Equipment Room and Data Center Administration Standard balloting**
- **TR-42.8:**
 - **'568-C.3 approved for publication**
- **TR-42.9:**
 - **Next revision of the Industrial Cabling ballot targeted to circulate in Nov., 2007**

'568-C Development

- **SP-3-0177-C: (pending '568-C.0)**
 - 4th industry ballot will close Dec. 17, 2007
- **SP-3-4425-RV3-B: (pending '568-C.1)**
 - Comment resolution for 4th industry ballot ongoing
- **SP-3-4426-RV3: (pending '568-C.2)**
 - Balloting to begin after AD10 publication
- **TIA/EIA-568-C.3**
 - Approved for publication: Sept., 2007

Upcoming TIA Meetings

TR-42 Interim Meeting

December 11 - 13, 2007

Miami, FL

TR-42 Plenary Meeting

February 4 - 8, 2008

San Antonio, TX

www.tiaonline.org

Pending Miami Discussions

- **The agenda for this interim meeting is expressly to resolve category 6A default ballot comments**
- **Flex time for:**
 - **Cabling and component balance specification**
 - **PoE Plus performance and test criteria**
 - **'568-C.2 development, draft 0.5**

Thank you

Contact Information:

Val Rybinski

**The Siemon Company
101 Siemon Company Drive
Watertown, CT 06795**

phone: (602) 228-7943

valerie_rybinski@siemon.com