

TIA TR-42 Liaison to IEEE

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Chair, TR-42.7

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Dallas, TX

TIA TR-42 Meetings

- **Oct 2 - 6, 2006 in Portland, OR**
- **Oct 3, 2006 – Joint TR-42.7/IEEE 802.3at meeting in Portland, OR**
- **Liaison letter – Maximum Current Carrying Capacity**
- **4th ballot for TSB-155 (draft 5.0) closed**
- **4th ballot for '568-B.2-10 (draft 5.0) closed**

Joint TR-42.7/802.3at Meeting

- **Joint task group meeting**
 - **Objective: TIA to determine maximum allowable cabling temperature rise due to PoE and justify recommendations**
 - **Objective: TIA to develop temperature rise versus current tables for cat 5e, 6, and 6A**
 - **Objective: TIA to determine maximum allowable DCRU in a channel**
 - **Timeline: ASAP!**

TR-42 Liaison Letter

The purpose of this letter is to:

- 1) respond to a series of questions posed by IEEE 802.3 liaison dated Sept 1, 2006**
- 2) update IEEE 802.3 on the development of a TIA project plan and test methodology for developing current carrying capacity limits**

TR-42 Liaison Letter

Content note:

- 1) The liaison letter was unanimously approved by TR-42.7 sub-committee members**
- 2) The liaison letter was unanimously approved by TR-42 committee members**
- 3) Some members are now indicating that there is material in the letter that needs to be discussed further**

TR-42 Liaison Letter, cont.

Proceed to an online review of the liaison letter

TR-42 Liaison Letter, cont.

Summary of TIA test activities:

- 1) Evaluate category 5e, 6, and 6A cabling**
- 2) Review data from at least 5 vendors**
- 3) Adopt 10 degrees C as maximum temperature rise limit**
 - Equals 4% increase in insertion loss**
 - Cabling material lifecycle is reduce by 50% (typical lifecycle is 10 to 25 years)**
- 4) Conclusions ready by January 2007**

PN-3-0134-C, d5.0

- **TSB-155**

- **4th ballot (draft 5) closed on Sept 8, 2006**
- **14 Approve, 5 Approve with Comments, 2 Do Not Approve**
- **All comments were resolved and this document was unanimously approved for publication pending a final editorial review by committee members**

SP-3-4426-AD10-B, d5.0

- **AD10 (category 6A)**
 - **4th ballot (draft 5) closed on Sept 17, 2006**
 - **9 Approve, 2 Approve with Comments, 13 Do Not Approve**
 - **An interim meeting for the purpose of ballot resolution is planned for December 6 – 8**
 - **Only the generation of a default ballot could support '568-B.2-10 publication in February of 2007**

Availability of Drafts

- **Information on how to obtain copies of the published TSB-155 document is forthcoming from TIA**
- **Draft 5.0 of '568-B.2-10 is available for download from the IEEE 802.3an web site**

Next TIA Meeting

TR-42.7 Interim Meeting

December 6 - 8, 2006

Miami Beach, FL

TR-42 Plenary Meeting

February 5 – 9, 2007

Houston, TX

www.tiaonline.org

Thank you

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