

TIA TR-42 Liaison to IEEE

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Chair, TR-42.7

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January, 2006

Chandler, AZ

TIA TR-42.7 Interim Meeting

- **Dec 6-8, 2005**
- **Safety Harbor, FL**
- **2nd ballot for TSB-155 circulating**
- **2nd ballot for '568-B.2-10 circulating**
- **Comments due January 19, 2006**
- **'568-B.2-7 (reliability) default circulating**

Revisions to TSB-155, d3.0

- **Delete old Annex B: Level III accuracy**
- **Add new Annex C: Alien crosstalk margin computation**
 - **Compares PSANEXT loss and PSAFEXT loss against SNR requirements**
 - **Based upon channel length, power back-off, and calculated PSAXT values**
- **Delete Delete Annex D: Alien crosstalk test environment**

Summary of TSB-155 Annexes

- **Annex A: Field measurement procedures**
 - **ANEXT loss and AELFEXT measurements**
 - **PSANEXT loss and PSAELFEXT considerations**
 - **General test strategies**
- **Annex B: Alien crosstalk mitigation**
- **Annex C: Alien crosstalk margin computation**

Revisions to 568-B.2-10, d3.0

- **Stranded cable reference changed to “patch, work area, and equipment cable”**
- **De-rated cordage requirements apply to both stranded and solid cable**
- **50% insertion loss de-rating allowed for ScTP patch, work area, and equipment cables**

Revisions to 568-B.2-10, cont.

- **Augmented category 6 may be referred to as “Category 6A” or “AC6”**
- **New transmission requirements added**
 - **Channel TCL and ELTCTL added**
 - **Cable, connector, and permanent link PSANEXT loss**
 - **Connector PSAFEXT loss**
 - **Cable and permanent link PSAELFEXT**

Revisions to 568-B.2-10, cont.

- **Annex E: Field AXT Test Methods revised**
- **Annex J: Level III Accuracy added**
- **Annex K: ScTP specifications added**
- **Annex L: Field Testing Pass/Fail Limits added**

Availability of Drafts

- **Draft 3.0 of TSB-155 is posted to the IEEE 802.3an web site for review**
- **Draft 3.0 of '568-B.2-10 is posted to the IEEE 802.3an web site for review**
- **Comments due January 19, 2006**

Status of '568-B.2-7

Approved for Default Ballot: SP-3-4426-AD7-1 Reliability Requirements for Connecting Hardware used in Balanced Twisted-Pair Cabling

- Reaffirming the rejection of 3 comments
- Reaffirming the implementation of 3 technical changes to the document

Ballot closes February 2, 2006

Next TIA Meeting

Jan 30 – Feb 1, 2006

Palm Springs, CA

www.tiaonline.org

Thank you

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