

TIA TR-42 Liaison to IEEE

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Vice-Chair, TR-42.7

November 2004
San Antonio, TX

TIA TR-42-7 Meeting

- **Week of October 4, 2004**
- **San Antonio, TX**
- **Reviewed IEEE 802.3an 10GBASE-T cabling needs**
- **Addressed revisions to TSB-155 and addendum 10 (augmented category 6) to '568-B.2**

Summary of TIA TR-42 Output

- **1 Liaison Letter**
- **Draft 1.1a of TSB-155: legacy category 6 cabling from 250 MHz up to 500 MHz**
- **Draft 1.1 of TIA-568-B.2-10: augmented category 6 cabling**

TR-42.7 Liaison

Significant progress has been made in the development of augmented category 6 specifications

- **Return loss for worst case topologies used to develop component, channel, and permanent link limits**
- **A reference test method for alien crosstalk has been included**

TR-42.7 Liaison, cont.

- **Ongoing work includes the specification of alien FEXT loss for a worst case configuration with dissimilar link lengths.**
- **An interim meeting is scheduled for December 7th and 8th in San Antonio**
- **A document is anticipated to be ready for committee ballot in February of 2005.**

Status of TSB-155

PN-3-0134 (proposed TSB155): Additional Requirements for 4-Pair 100Ω Category 6 Cabling, draft 1.1a

- Maximum frequency specified is 500 MHz**
- All shall statements are removed**
- Cabling insertion loss**
- Cabling NEXT/PSNEXT loss**
- Cabling ELFEXT/PSELFEXT loss**
- Cabling PSANEXT**

Status of '568-B.2-10

PN-3-4426-AD10 (augmented category 6): Additional Requirements for 4-Pair 100Ω Augmented Category 6 Cabling, draft 1.1

- Maximum frequency specified is 500 MHz**
- Cabling and component insertion loss**
- Cabling and component NEXT/PSNEXT loss**
- Cabling and component ELFEXT/PSELFEXT loss**
- Cabling and component PSANEXT**
- Cabling and component AFEXT TBD**

Thank you

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