

TIA TR-42 Liaison to IEEE

Val Rybinski

Hitachi Cable Manchester, Inc.

Vice-Chair, TR-42.7

Chair, TR-42.7.1

March 2004

Orlando, FL

Summary of TIA TR-42 Liaison Output

- **3 Working Group Ballots out for Industry Review**
- **2 New Task Groups formed to study 10GBASE-T related items**

Project SP-3-0094: Draft 4

**To become TIA/EIA 942:
“Telecommunications
Infrastructure Standard for Data
Centers”**

**“Provides requirements for the
design and installation of a data
center or computer room”**

Ballot comments due April 2, 2004

Project SP-3-4425-AD6: d3

**To become TIA/EIA-568-B.1-6:
“Additional Cabling Guidelines for
DTE Power”**

**“Provides guidelines for the
insertion of dc power onto
structured cabling for low voltage
applications”**

Ballot comments due April 2, 2004

Project SP-3-4426-AD9: d2

**To become TIA/EIA-568-B.2-9:
“Additional Category 6 Balance
Requirements”**

**“Provides updated specifications
and laboratory test methods for
category 6 cable and connector
TCL and TCTL”**

Ballot comments due April 2, 2004

Project PN-3-0134 Study Grp

- **Led by Chris DiMinico**
- **Study category 5e and category 6 cabling transmission performance and alien crosstalk up to 625 MHz**
- **Study the relationship of transmission parameters and alien crosstalk and their field testing and mitigation**

Project PN-3-0134: Output

- **Applicable category 6 data and guidelines from the study will be presented in TSB-155**
- **Category 5e and category 6 measurement data will be shared directly with IEEE 802.3 10GBASE-T Task Force as it becomes available**

Project SP-3-4426-AD10: SG

“Augmented category 6 cabling”

- **Led by:**
Paul Kish
Wayne Larsen

Project SP-3-4426-AD10: Scope

- **Develop cabling and component specifications and test procedures to support the operation of 10GBASE-T over 100m of twisted-pair copper cabling**
- **Project includes extending the frequency range and adding requirements to TIA-568-B.2-1**

Project SP-3-4426-AD10: Output

- **Resulting requirements will be presented in a new revision or addendum to the TIA-568-B (or TIA-568-C) family of standards**

Project Timeline

“TIA TR-42 will provide a timeline for completion of these activities following the June TIA Meeting in Providence, RI.”

Thank you

Contact Information:

Val Rybinski

Hitachi Cable Manchester, Inc.

900 Holt Avenue

Manchester, NH 03109

(603) 669-4347

vrybinski@hcm.hitachi.com