TIA TR-42 Liaison to IEEE

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Vice-Chair, TR-42.7
Chair, TR-42.7.1

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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

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