



TR-42 – Engineering Committee on User Premises Telecommunications Infrastructure

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To: **Bob Grow, Chair IEEE 802.3 (bob.grow@intel.com)**

cc: Paul Kish, Vice-chair TIA TR-42 (paul.kish@nordx.com)
Herb Congdon, Chair TIA TR-42.1 and TR-42.8
(hvcongdon@tycoelectronics.com)
Ray Keden, Chair TR-42.3 (rkedden@erico.com)
Donna Ballast, Chair TR-42.4 (dballast@bicsi.org)
Peter Sharp, Chair TR-42.5 (peter.sharp@giffels.com)
Paul Vanderlaan, Chair TIA TR-42.7 (paul.vanderlaan@belden.com)
Shadi AbuGhazaleh, Chair TIA TR-42.9 (sabughaz@hubbell-premise.com)
Stephanie Montgomery, TIA (smontgomery@tiaonline.org)
Valerie Rybinski, TIA TR-42 Liaison to IEEE (vrybinski@hcm.hitachi.com)
Chris DiMinico, IEEE Liaison to TIA TR-42 (cdiminico@ieee.org)

From: Bob Jensen, Chair TIA TR-42

Subject: TR-42 Liaison to IEEE 802.3

The purpose of this letter is to inform the IEEE 802.3 10GBASE-T Study Group that the TIA work described in our liaison letter of June 6, 2003 has resulted in the creation of the following two new projects:

Project PN-3-0134: Investigation of balanced cabling performance up to 625 MHz for both TIA category 6 and category 5e cabling for 10GBASE-T applications.

The project consists of a study of measurements of category 5e and category 6 cabling transmission performance and alien cross-talk up to frequencies of 625 MHz, including the relationship of transmission parameters and alien crosstalk and their field testing and mitigation.

Applicable category 6 data and guidelines from the study will be presented in a new Technical Systems Bulletin or Engineering Publication. Category 5e and category 6 measurement data will be shared directly with IEEE 802.3 10GBASE-T Task Force as it becomes available.

2500 Wilson Boulevard
Suite 300
Arlington, VA 22201-3834
USA

+1.703.907.7700
FAX +1.703.907.7727

www.tiaonline.org

Project SP-3-4426-AD10: Augmented category 6 cabling.

To develop cabling and component specifications and test procedures to support the operation of IEEE 802.3 10GBASE-T over 100 meters of structured balanced twisted-pair copper cabling. This project includes extending the frequency range and adding requirements to those specified in TIA -568-B.2-1.

The resulting requirements will be presented in a new revision or addendum to the TIA-568-B standard.

We will provide a timeline for completion of these activities as soon as the projects are initiated.
