



TR-42 – Engineering Committee on Telecommunications Cabling Systems

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Date: August 7, 2009

To: David Law, Chair IEEE 802.3 (david_law@3com.com)

cc: Michael J. Bennett, Chair, IEEE P802.3az Energy Efficient Ethernet (mjbennett@lbl.gov)

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From: Herb Congdon, Chair, TR-42 (hvcongdon@tycoelectronics.com)

Subject: TSB-184 (PN-3-0324-B-1) Default Ballot Comment Resolution

Dear Mr. Law,

The TR-42.7 Copper Cabling Subcommittee received and reviewed your liaison letter from March 2009 regarding our project number PN-3-0324-B-1, which requested the re-wording of the recommendation to use category 5e or better cabling for remote powering over balanced twisted-pair cabling. Your concern was considered by the committee and the following clarification text was adopted:

“When planning new installations delivering remote power, Category 5e or better 4-pair balanced twisted-pair cabling as specified in ANSI/TIA-568-C.2 is recommended.”

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Our goal is to provide clear guidance for users to avoid using category 3 cabling for support of PoE Plus applications, but appreciate the concern of IEEE 802.3at for the need to be able to operate PoE Plus over legacy category 5 cabling. Our document recognizes this and contains the note:

“For the purpose of dc power transmission, the capacity of legacy category 5 cabling, as described in ANSI/TIA-568-C.2, is considered equivalent to category 5e.”

We'd also like to advise you that TSB-184 was published in July, 2009.

We look forward to continued cooperation with you in the future,

Regards,

A handwritten signature in black ink that reads "Herb Congdon". The signature is written in a cursive, slightly slanted style.

Herb Congdon