

IEEE
802 IEEE 802.3 CSMA/CD (Ethernet) Working Group

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To: Walter von Pattay; Secretary, ISO/IEC JTC 1/SC 25 (walter@pattay.com)
Cc: Alan Flatman; IEEE 802.3 Liaison (a_flatman@compuserve.com)
Paul Nikolich; Chair, IEEE 802 (p.nikolich@ieee.org)
Brad Booth; Chair, IEEE P802.3an Task Force (bbooth@ieee.org)

Re: IEEE P802.3an Update

The IEEE P802.3an Task Force appreciates the efforts that have been made and wishes to provide more information prior to your January 2005 meeting.

10GBASE-T is designed to operate over ISO/IEC 11801 Class E or Class F 4-pair balanced cabling (with appropriate augmentation) including operation over closely grouped cable. One objective is to coexist with IEEE Std. 802.3af:2003™. We are interested in understanding the expected temperature rise of a 10GBASE-T channel in a closely grouped cable configuration where the other channels in the closely grouped cable are providing 802.3af compliant power and any possible future enhancements to power capabilities.

In addition, information concerning PS AFEXT is required to close the remaining link segment transmission parameter specifications. This information is also required for channel model analysis purposes; therefore, any preliminary information would be useful to help us evaluate power back-off proposals.

Sincerely,

Robert M. Grow
Chair, IEEE 802.3 Working Group