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October 11, 2013

From: Robert Jensen, Chair, TIA TR-42, bjensen@youraustinhouse.com

To: David Law, IEEE 802.3 Working Group Chair, dlaw@hp.com

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RE: IEEE 802.3bp Task Force: Reduced Twisted Pair Gigabit Ethernet (RTPGE)

Dear Mr. Law,

We have reviewed a copy of the objectives of IEEE P802.3bp and would like to inform IEEE 802.3 that we support the following objective: Support 1 Gb/s operation in automotive and industrial environments (e.g. EMC, temperature).

The TIA TR-42 Telecommunications Cabling Systems Engineering Committee is pleased to let you know that the TR-42.9 Industrial Cabling Subcommittee is developing telecommunications industrial cabling specifications for robust performance of standardized applications up to 1 Gb/s in MICE2 and MICE3 environments. We currently have an active study group exploring the impact of industrial noise on 1Gb/s applications over balanced twisted-pair cabling.

We would like to inform you of two TIA Standards that might be helpful in understanding the industrial environments. TIA TSB-185, "Environmental Classification (MICE) Tutorial" outlines the necessary parameters and three levels defining the environments. TIA-1005-A, "Telecommunications Infrastructure Standard for Industrial Premises" provides requirements for industrial cabling.

We would like to help support the IEEE P802.3bp project for future use in industrial applications where the environments may correspond to MICE2 and MICE3.

We look forward to our continued cooperation and will keep you informed as we make further progress. The next TR-42.9 meeting is scheduled during the week of January 27, 2014 in Ft. Myer's, FL.

Sincerely,

Robert Jensen
Chair, TIA TR-42