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Date: October 5, 2018

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

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Re: TR-42 liaison to IEEE 802.3 regarding balanced single pair connector selection

Dear Mr. Law:

TIA TR42 has been actively evaluating balanced single pair connectors throughout 2018 to select interfaces for balanced single pair cabling. In addition to cabling interfaces, we have also been following up on your liaison letter of January 28, 2018 with the request shown below for us to provide guidance on MDI connector standardization.

"We plan to refine our requirements for MDI connectors and will communicate this information to you as it becomes available. Examples of high level goals we wish to address for an MDI connector for IEEE P802.3cg are summarized in slide 5 of www.ieee802.org/3/cg/public/adhoc/8023cg_adhoc_optional_mdi.pdf, as presented on 25th January 2017. In the meantime, we would value any comments you may have on these goals for an MDI connector plus any guidance you may have on connector standardization."

At the TIA TR42 meeting in Mesa AZ meeting during the week of October 1, 2018, TIA TR42 has concluded the single pair connector selection process as shown below:

1. IEC 63171-1 CD for $M_{11}C_1E_1$ environments (e.g. commercial enterprise buildings)
2. IEC 61076-3-125 CDV for $M_{21}C_2E_2/M_{31}C_3E_3$ and other non $M_{11}C_1E_1$ environments (e.g. industrial)

We suggest that IEEE 802.3 consider these two standardized connectors as MDI interface connectors. This will improve the market adoption and growth of single pair cabling by having standardized connectors for cabling and equipment interfaces.

Sincerely,

Greg Sandels

Chair, TIA TR-42 Engineering Committee