

IEEE 802.3 Ethernet Working Group  
**DRAFT** Liaison Communication

Source: IEEE 802.3 Working Group<sup>1</sup>

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Subject: Update on IEEE P802.3cg 10Mbit/s over Single-pair Ethernet

Approval: Agreed to at IEEE 802.3 interim meeting, Geneva, Switzerland, 24 January 2018

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<sup>1</sup> This document solely represents the views of the IEEE 802.3 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

Dear Mr. Emplit,

Further to our liaison to you dated 7<sup>th</sup> November, 2017, we are pleased to provide you with an update on current activity that may be relevant to your work in supporting single-pair cabling systems.

The IEEE P802.3cg 10 Mb/s Single Twisted Pair Ethernet Task Force is contemplating the selection of one or more *optional* MDI connectors for use with this standard.

IEEE P802.3cg is currently working to modify its project scope, including the addition of an objective to support a half-duplex multi-drop segment, and modifying an existing “optional power distribution” objective to include this multi-drop segment as shown in:

[www.ieee802.org/3/cg/public/Jan2018/jones\\_10spe\\_10bpe\\_03\\_0118\\_d6.pdf](http://www.ieee802.org/3/cg/public/Jan2018/jones_10spe_10bpe_03_0118_d6.pdf)

[www.ieee802.org/3/cg/public/Jan2018/jones\\_10spe\\_10bpe\\_04\\_0118\\_d7.pdf](http://www.ieee802.org/3/cg/public/Jan2018/jones_10spe_10bpe_04_0118_d7.pdf)

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 802.3cg are summarized in slide 5 of

[www.ieee802.org/3/cg/public/adhoc/8023cg\\_adhoc\\_optional\\_mdi.pdf](http://www.ieee802.org/3/cg/public/adhoc/8023cg_adhoc_optional_mdi.pdf), as presented on 25 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.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group