DRAFT IEEE 802.3 Ethernet Working Group
Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Update on IEEE P802.3cg 10Mbit/s over Single-pair Ethernet
Approved: [Agreed to] at IEEE 802.3 Plenary meeting, Berlin, Germany, 13th July 2017

Dear Dr Oehler,

Further to our liaison to you dated 16th March 2017, we are pleased to provide you with an update on recent decisions that may be relevant to your work in supporting single-pair cabling systems.

We have adopted a PAM-3 based modulation scheme described in slides 4 and 5 of the following presentation as a baseline specification for the IEEE P802.3cg 1,000m PHY objective: http://www.ieee802.org/3/cg/public/May2017/graber_08a_0517.pdf.

We have adopted the electromagnetic classifications described in slide 13 of the following presentation as a baseline specification for the IEEE P802.3cg 1,000m PHY objective: http://www.ieee802.org/3/cg/public/May2017/diminico_01_0517.pdf.

We have also adopted a DC Loop Resistance limit described in slide 19 of the following presentation as a baseline specification for the IEEE P802.3cg 1,000m PHY objective: http://www.ieee802.org/3/cg/public/May2017/diminico_02_0517.pdf.

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[1] 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.

We would welcome any questions or comments you may have on this.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group