Geoff - Proposed change to title

D4 Project title:
Standard for Ethernet Amendment:
Enhancements to Point-to-Point 10 Mb/s Single Pair
Ethernet to Support Time Sensitive Networking (TSN)

GOT Proposed Project title:
Standard for Ethernet Amendment:
Enhancements to MAC Merge sublayer to add support
for Point-to-Point 10 Mb/s Single Pair Ethernet

Geoff - Proposed change to scope

D4 5.2B Scope of the Project:

Specify additions to and appropriate modifications of IEEE Std 802.3 to add 10 Mb/s Single Pair Ethernet point to point PHYs to the PHYs that can support IEEE 802.1 Time Sensitive Networking (TSN) protocols.

Extend IEEE Std 802.3-2018 to add 10 Mb/s Single Pair Ethernet point to point PHYs to the PHYs that can support IEEE 802.1 Time Sensitive Networking (TSN) protocols.

GOT Proposed 5.2B Scope of the Project:

Expand scope and specify additions to and appropriate modifications of IEEE Std 802.3 MAC Merge sunlayer to support 10 Mb/s Single Pair Ethernet point to point PHYs.

Extend IEEE Std 802.3-2018 to add 10 Mb/s Single Pair Ethernet point to point PHYs to the PHYs supporting the Mac Merge function

Geoff - Proposed change to Need

D4 5.5 Need for the Project:

The 10 Mb/s point-to-point PHYs specified in IEEE Std 802.3cg- 2019 are expected to be used in process control and other time- sensitive networking (TSN) applications which benefit from support of IEEE 802.3 functionality used by IEEE 802.1 TSN which currently exclude 10 Mb/s PHYs. This project seeks to enable the use of TSN with the new 10 Mb/s PHYs.

GOT 5.5 Need for the Project:

The 10 Mb/s point-to-point PHYs specified in IEEE Std 802.3cg- 2019 are expected to be used in process control and other time- sensitive networking (TSN) applications which benefit from support of IEEE 802.3 MAC Merge functionality used by IEEE 802.1 TSN. 10 Mb/s PHYs are currently excluded.. This project seeks to enable the use MAC Merge with the new 10 Mb/s PHYs.