

# **Multi-gig Automotive Ethernet PHY Study Group**

## **“Non-controversial” Objectives**

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# Non-controversial Objectives

- Preserve the IEEE 802.3/Ethernet frame format at the MAC client service interface.
- Preserve minimum and maximum frame size of the current IEEE 802.3 standard.
- Support full duplex operation only.
- Support a speed of X Gb/s at the MAC/PLS service interface.
- Support X Gb/s operation in automotive environments (e.g. EMC, temperature).
- Define optional startup procedure which enables the time from power\_on=FALSE to valid data to be less than 100ms
- Support optional single-pair auto-negotiation mechanism
- Define optional Energy-Efficient Ethernet