

Objectives Motions

IEEE 802.3

MultiGigabit Automotive Ethernet PHY
Study Group Ad Hoc

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Change to “Environment” Objective

- Move to modify the objective below as shown:
 - Support operation ~~at 10Gb/s~~ in automotive environments (e.g., EMC, temperature) ~~over single pair shielded balanced copper cabling.~~
- M: G. Zimmerman
- S: N. Wienckowski

2.5Gb/s, 5Gb/s, 10Gb/s text

- Move to adopt the objectives:
 - Support data rates of 2.5 Gb/s, 5 Gb/s and 10 Gb/s at the MAC/PLS service interface.
 - Define the performance characteristics of an automotive link segment and an **electrical** PHY to support 2.5 Gb/s point-to-point operation over this link segment supporting up to four inline connectors for at least 15m on at least one type of automotive cabling (e.g., UTP, STQ, STP, SPP, Coax, or Twinax).

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2.5Gb/s, 5 Gb/s and 10Gb/s text (cont'd)

- Define the performance characteristics of an automotive link segment and an electrical PHY to support 5 Gb/s point-to-point operation over this link segment supporting up to four inline connectors for at least 15m on at least one type of automotive cabling.
- Define the performance characteristics of an automotive link segment and an electrical PHY to support 10 Gb/s point-to-point operation over this link segment supporting up to four inline connectors for at least 15m on at least one type of automotive cabling.
- M: G. Zimmerman
- S: N. Wienckowski

PoDL Objective

- Move to adopt the objective:
- Support optional Clause 104 power over data lines on appropriate media.
- M: G. Zimmerman
- S: N. Wienckowski