IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs Study Group
Closing Report

Steve Carlson

High Speed Design, Inc./Robert Bosch GmbH/Marvell

Waikoloa, HI, USA

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IEEE P802.3 Multi-Gig Automotive Ethernet PHY TF Project information

Study Group Organization

Steve Carlson, Chair

Jon Lewis, Recording Secretary

Natalie Wienckowski, Ad Hoc Chair

Study Group web and reflector information

Reflector information: http://www.ieee802.org/3/B10GAUTO/reflector.html

Home page: http://ieee802.org/3/B10GAUTO/index.html

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Activities since September interim

Met Tuesday; 41 people, 5 new

Heard presentations on

- Additional technical feasibility of cable/connectors for > 10 Gb/s
- PHY approaches for 25 Gb/s and multi-lane for > 25 Gb/s (added objectives for 50 and 100 Gb/s)
- Leveraging automotive EEE technique from P802.ch “Slow Wake” with enhancements for use cases with highly asymmetric traffic for additional power reduction
- Approved Criteria for Standards Development draft (Y: 26 N: 0 A: 0)
- Approved Project Objectives draft (Y: 25 N: 0 A: 1)

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- Big ticket items moving forwards
  - Final polish on PAR, CSD and objectives at January interim
    - Presentations on use cases and additional technical approaches
  - Pre-submit PAR and CSD to WG and EC out of January interim and present PAR, CSD and objectives to IEEE 802.3 WG in March 2020

Motion

Grant the second rechartering and six month extension of the IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs study group.

Moved on behalf of the Study Group

Procedural >50%

SG vote Y: 33 N: 0 A: 0

Questions?

Thank you!