

# IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY Report

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# IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY TF Project information

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## Task Force Organization

Steve Carlson, Chair

Marek Hajduczenia, Chief Editor

Natalie Wienckowski, Ad Hoc Chair

## Task Force web and reflector information

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

Home page: <http://ieee802.org/3/cy/index.html>

PAR [http://ieee802.org/3/cy/P802d3cy\\_PAR.pdf](http://ieee802.org/3/cy/P802d3cy_PAR.pdf)

CSD <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0094-00-ACSD-p802-3cy.pdf>

Objectives [http://grouper.ieee.org/groups/802/3/cy/P802d3cy\\_OBJ\\_WG\\_0520.pdf](http://grouper.ieee.org/groups/802/3/cy/P802d3cy_OBJ_WG_0520.pdf)

Private area: <http://ieee802.org/3/cy/private/index.html>

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# IEEE P802.3 IEEE P802.3cy Greater than 10 Gb/s Electrical Automotive Ethernet PHY TF

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## Activities since July 2020 update

- Ad hoc teleconferences -
  - 5 August, 2 September, 16 September, 30 September, 14 October, 21 October, 28 October
    - Link segment/channel model
    - Reports on connector/cables up to 10 Ghz; test methodologies
    - IL and RL
    - Work continues
- 19 August Interim teleconference – decisions made
  - 802.3cy specify a 25 Gbps PMA and link segment, which are reused as 2x or 4x for the 50Gbps and 100 Gbps objectives, leaving issues of how to lane and all other parameters of the laned 25 Gbps PMA open for future proposals

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## Meeting plan

### Goals for the meeting

Continue work on baselines for link segment/channel model

Meet 16 & 18 November 15h00-UTC

Ad hocs scheduled weekly December 1, 2020 – March 9, 2021

Interims as needed

### Big ticket items

Link segment/channel model

Channel model/link segment definition for 7 meter and 11 meters?

Link segment vs. PHY complexity tradeoffs

Impact of asymmetry on link segment

Build on 802.3ch experience

# Questions?



Thank you!