

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

Steve Carlson
High Speed Design, Inc.
Robert Bosch GmbH
Ethernovia
Teleconference
November 8, 2021

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

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

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

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

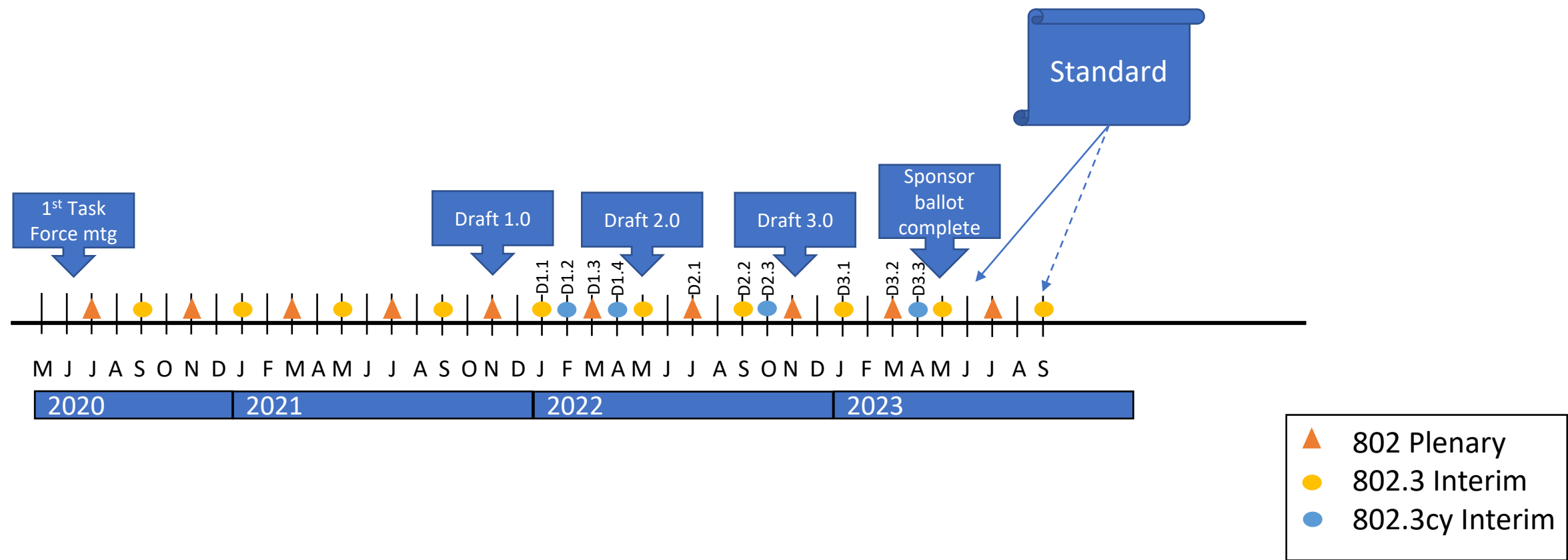
Note: The draft, and any other content, is posted for your review only, and neither the content nor access information should be copied or redistributed to others in violation of document copyrights

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

Activities since July 2021

- Ad hoc teleconferences -
 - Weekly teleconference ad hocs and to-do list updates
- July plenary
 - Adopted IL and RL for P802.3cy automotive link segment
- September interim
 - Adopted PAM4 modulation and related material from 802.3ch-2020
 - Adopted coupling and screening attenuation limits
- October interim
 - Adopted test point and test fixture metrics and informative Annex 165A
- Task Force review draft in process

P802.3cy Task Force Timeline



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

Meeting plan

Goals for the meeting

Adopt baseline for link segment micro-reflections and additional Annex 165C material

Here additional presentations on automotive EEE, laning, PSD, interleaving, EMC ingress immunity

Meet 9 & 16 November 15h00 -17h00 UTC

Ad hocs scheduled weekly

Additional interims as needed

Big ticket items

Adopt additional baselines

Review TF draft

Questions?



Thank you!