

IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Report

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Virtual plenary
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IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet

Project information

Task Force Organization

Bob Grow, IEEE P802.3cz Task Force Chair

Luisma Torres, IEEE P802.3cz Task Force Secretary, Chief Editor

Task force web and reflector information

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

Home page: <http://ieee802.org/3/cz>

PAR: http://www.ieee802.org/3/cz/P802d3cz_PAR.pdf

CSD: <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0095-00-ACSD-p802-3cz.pdf>

Objectives: http://www.ieee802.org/3/cz/P802d3cz_objectives_01_0520.pdf

Approved timeline: http://www.ieee802.org/3/timeline_3cz_01a.pdf

Private area: <https://www.ieee802.org/3/cz/private/index.html>

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IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Activities since March 2021 plenary

Virtual meetings

23 and 30 March 2021 interim teleconferences

6, 13, and 20 April 2021 interim teleconferences

11 May 2021 ad hoc interim teleconference

18 and 25 May 2021 interim teleconferences during the May 2021 interim meeting series

8, 15, 22, and 29 June 2021 interim teleconferences

Major items discussed, decisions made and actions

Presentations on PMD issues (media, wavelengths, reliability, etc.)

P802.3cz/D1.1 TF review and initial comment resolution

Current status

P802.3cz/D1.1 comment resolution in process

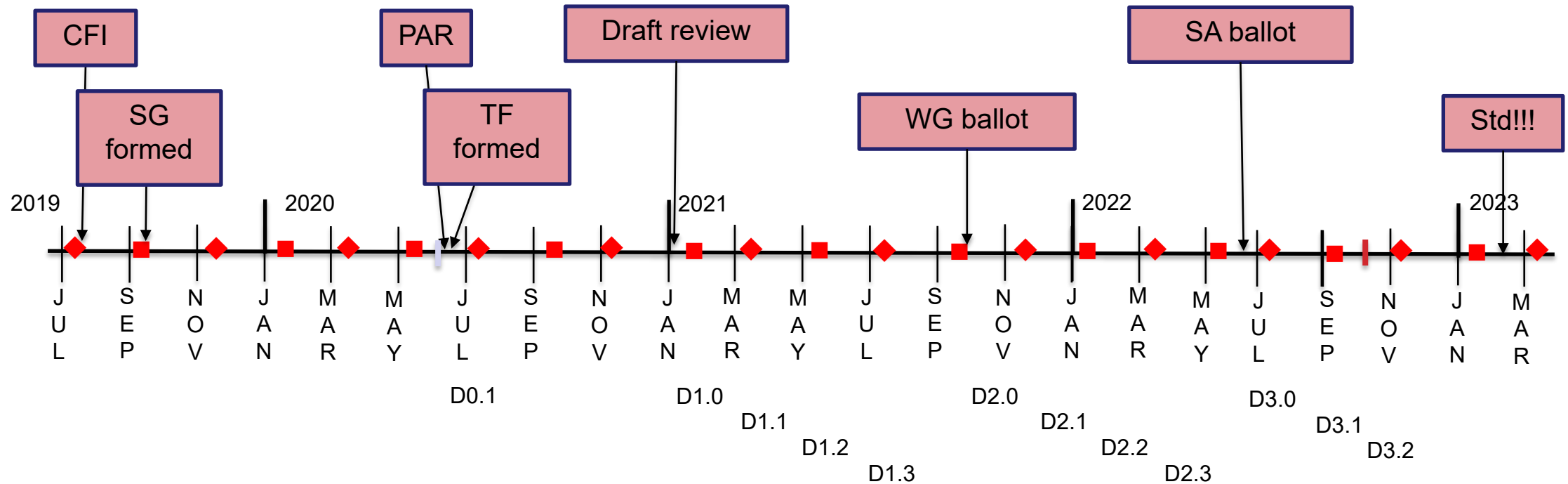
Considering characteristics of multiple PMD alternatives for five data rates

Optical wavelength(s) - i.e., 850nm, 980nm, VCSEL; 1310nm, Si-Photonics

Supported medium/media (i.e., OM3, POF)

Complete baseline proposed for OM3 with 980nm VCSEL, waiting for details on other alternatives

IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Adopted Timeline (18 November 2020)



IEEE P802.3cz Multi-Gigabit Optical Automotive Ethernet Plans

Goals for the plenary session meeting(s)

- Complete resolution of P802.3cz/D1.1 comments

- Consider PMD baseline presentations

- Appointment of IEEE 802.3 Liaison Officer to IEC TC 86

Big ticket items

- Selection of PMD baseline(s)

- Develop a technically complete draft for WG ballot

Future

- Plan P802.3cz/D1.2 Task Force review

- Evaluate if we will be ready for September request to advance to WG Ballot

Questions?

Thank you!