

IEEE 802.3 Multi-Gigabit Automotive Optical PHYs
(OMEGA) Study Group
Update Report
(revised 12 Mar 2020)

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IEEE 802.3 Multi-Gigabit Automotive Optical PHYs Study Group information

Study Group Organization

Study Group Chair – Bob Grow

SG Secretary – seek for volunteers at each meeting

Study Group charter

Develop the Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for Multi Gigabit Automotive Optical PHYs

Study Group web and reflector information

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

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

IEEE 802.3 Multi-Gigabit Automotive Optical PHYs SG Activities since November 2019 plenary

Met during the January 2020 interim meeting series

Major items discussed

Market potential

Feasibility assessment including 25 Gb/s testing results

Automotive component options

Use cases

Draft project document refinement

Current status

PAR and CSD pre-submitted for March 2020 802 consideration

PAR conditionally submitted to NesCom for April consideration

Both submittals pulled back because of 802 plenary cancellation!

What can we work on until PAR approval

It may be possible to form a TF 24 or 25 September if not, then first TF meeting would be at November plenary

We should consider more complete proposals to meet our proposed objectives (e.g., PCS and PMD combinations) as more in depth evaluation of feasibility

Selection of any proposals will have to wait until we become a TF

IEEE 802.3 Multi-Gigabit Automotive Optical PHYs SG

Meeting week plan

Goals for the meeting

Respond to PAR and CSD comments

Adopt any changes to PAR and CSD

Get 802.3 and EC approval of project documents

Big ticket items

PAR, CSD, and Objectives approvals

CANCELLED

Where does the cancellation leave us?

PAR approval delayed

- Resubmit for consideration at July 802 plenary session

- Submit for September NesCom teleconference

- Earliest PAR approval is 24 Sep 2020 SASB teleconference

Study Groups should not be making technical decisions

Study Groups can work on technical and economic feasibility assessment

The SG Chair will schedule teleconferences as justified by presentation requests (still planning to meet in May in Pasadena, CA)

Questions?

Thank you!