

IEEE 802.3 Working Group March 2019 Plenary Week

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Web site: www.ieee802.org/3

IEEE 802.3 Maintenance

Maintenance closing report

http://www.ieee802.org/3/minutes/mar19/0319_maint_close_report.pdf

Activities

Review of outstanding Maintenance Requests

Submission of IEEE Std 802.3bt-2018 and IEEE Std 802.3cd-2018 for adoption by ISO/IEC JTC 1/SC 6 under ISO/IEEE Partner Standards Development Organization (PSDO) Agreement

Reviewed proposed PAR responses for a Clause 145 PoE maintenance project

Continued timestamping discussion

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page

<http://www.ieee802.org/3/maint/index.html>

IEEE P802.3ca 25 Gb/s and 50 Gb/s Ethernet Passive Optical Networks Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_ca_close_report.pdf

Progress

IEEE P802.3ca D1.5 Task Force review comment resolution

Completed responses to 239 comments submitted

Next steps

Conduct Task Force review on IEEE P802.3ca draft D1.6

Continue work towards technically complete draft for working group ballot

Expect request to proceed to Working Group ballot at May 2019 IEEE 802.3 interim meeting

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/ca/index.html>

IEEE P802.3cg 10 Mb/s Single Pair Ethernet Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cg_close_report.pdf

Progress

IEEE P802.3cg D2.4 fourth Working Group recirculation ballot comment resolution

Completed responses to 47 comments submitted

Discussion of scope and CSDs related to PLCA and PLCA management

Approval granted to proceed to Standards Association (fka Sponsor) ballot

Next steps

Conduct IEEE P802.3cg D3.0 initial Standards Association ballot

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cg/index.html>

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_ch_close_report.pdf

Progress

Technical decisions

Adopted transmitter droop (Test Mode 6), Test Mode 4 (Clause 94 PAM4 testing), updated coupling attenuation, and screening attenuation text and testing annex

IEEE P802.3ch D1.1 second Task Force review comment resolution

Completed responses to 309 comments submitted

Next steps

Conduct IEEE P802.3ch D1.2 third Task Force review

Continue work towards technically complete draft for working group ballot

Expect request to proceed to Working Group ballot at May 2019 IEEE 802.3 interim meeting

Next meeting is an April 2019 IEEE P802.3ch interim meeting

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/ch/index.html>

IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces Task Force.

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_ck_close_report.pdf

Progress

Key Technical Progress

Adopted baselines for FEC, Chip-to-module (C2M), and Backplane

More work is still needed

Chip-to-module (C2M) reference receiver, Backplane reference receiver details (DFE-based), FEC for 100GBASE-KR1/CR1, Copper cable, Chip-to-chip (C2C)

Next steps

Continue baseline selection to satisfy the project objectives

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/ck/index.html>

IEEE P802.3cm 400 Gb/s over Multimode Fiber Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cm_close_report.pdf

Progress

IEEE P802.3cm D1.2 Working Group preview review comment resolution

Completed responses to 14 comments submitted

Approval granted to proceed to Working Group ballot

Next steps

Conduct IEEE P802.3cm D2.0 initial Working Group ballot

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cm/index.html>

IEEE P802.3cn 50 Gb/s, 200 Gb/s, and 400 Gb/s over Single-Mode Fiber Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cn_close_report.pdf

Progress

IEEE P802.3cn D1.0 Working Group preview review comment resolution

Completed responses to 3 comments submitted

Approval granted to proceed to Working Group ballot

Next steps

Conduct IEEE P802.3cn D2.0 initial Working Group ballot

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cn/index.html>

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cp_close_report.pdf

Progress

Considered 6 contributions, adopted 5 as baselines

Editor assigned to prepare a draft D0.1 by 1st April 2019

Built consensus on a partial wavelength plan

Next steps

Progress development of initial draft

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cp/index.html>

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cq_close_report.pdf

Progress

IEEE P802.3cq D1.1 Working Group preview review comment resolution

Completed responses to 11 comments submitted

Approval granted to proceed to Working Group ballot

Next steps

Conduct IEEE P802.3cq D2.0 initial Working Group ballot

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cq/index.html>

IEEE P802.3cr Isolation (Maintenance #14) Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cr_open_report.pdf

Progress

Identified affected clauses in IEEE Std 802.3-2018 and amendments in progress.

Working on baseline text, expect initial draft for review in May

Next steps

Progress development of initial draft

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cr/index.html>

IEEE P802.3cs Increased-reach Ethernet optical subscriber access (Super-PON) Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_cs_close_report.pdf

Progress

Considered 5 contributions

Adopted the wavelength plan and agreed on the specification method

Next steps

Continue baseline selection to satisfy the project objectives

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/cs/index.html>

IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/mar19/0319_ct_close_report.pdf

Progress

Considered 7 contributions

Re-approved baseline related motions approved in IEEE P802.3cn

Adopted Inverse RS-FEC sublayer (100 Gb/s Ethernet)

Adopted 100 GHz Channel spacing for 100 Gb/s / 400 Gb/s

Next steps

Continue baseline selection to satisfy the project objectives

Next meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

<http://www.ieee802.org/3/ct/index.html>

IEEE 802.3 100 Gb/s per lane optical PHYs Study Group

Study Group closing report

http://www.ieee802.org/3/minutes/mar19/0319_100g_optx_close_report.pdf

Progress

IEEE P802.3cu PAR and CSD approved by IEEE 802 Executive Committee

IEEE P802.3cu PAR approved at March 2019 IEEE-SA Standards Board series

Work of Study Group complete

First IEEE P802.3cu Task Force meeting during May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

http://www.ieee802.org/3/100G_OPTX/index.html

IEEE 802.3 Industry Connections New Ethernet Applications (NEA) Ad Hoc

Closing report

http://www.ieee802.org/3/minutes/mar19/0319_NEA_close_report.pdf

Progress

Current activities

Ethernet Bandwidth Assessment Update

Automotive Optical Multigig

Next steps in single-pair ecosystem

New activities

Point-to-Point Timestamping Clarifications

Next meeting during the May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

Web page:

http://www.ieee802.org/3/ad_hoc/ngrates/index.html

Automotive Ethernet: Beyond 10 Gb/s Electrical PHYs call for interest

Automotive Ethernet: Beyond 10 Gb/s Electrical PHYs call for interest closing report

http://www.ieee802.org/3/minutes/mar19/0319_autom_b10G_close_report.pdf

Study Group formation approved

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

The scope of the Study Group is to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for Greater than 10 Gb/s Automotive Ethernet Electrical PHYs

First Study Group meeting during the May 2019 interim meeting series

Full details at: <http://www.ieee802.org/3/interims/>

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law <dlaw@hpe.com>

IEEE 802.3 Vice Chair: Adam Healey <adam.healey@broadcom.com>

IEEE 802.3 Secretary: Pete Anslow <panslow@ciena.com>

IEEE 802.3 Executive Secretary: Steve Carlson <scarlson@ieee.org>

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IEEE 802.3 Task Force chairs

IEEE P802.3ca 25 Gb/s, and 50 Gb/s EPON: Curtis Knittle <c.knittle@cablelabs.com>

IEEE P802.3cg 10 Mb/s Single Pair Ethernet: George Zimmerman <george@cmephyconsulting.com>

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY: Steve Carlson <scarlson@ieee.org>

IEEE P802.3ck 100 Gb/s, 200 Gb/s, and 400 Gb/s Electrical Interfaces: Elizabeth Kochuparambil <edonnay@cisco.com>

IEEE P802.3cm 400 Gb/s over Multimode Fiber: Robert Lingle <rlingle@ofsoptics.com>

IEEE P802.3cn 50 Gb/s, 200 Gb/s, and 400 Gb/s over greater than 10 km of SMF: John D'Ambrosia <jdambrosia@ieee.org>

IEEE P802.3cp Bidirectional 10 Gb/s, 25 Gb/s and 50 Gb/s Optical Access PHYs: Frank Effenberger <frank.effenberger@huawei.com>

IEEE P802.3cq Power over Ethernet over 2 Pairs (Maintenance #13) Task Force: Chad Jones <cmjones@cisco.com>

IEEE P802.3cr Isolation (Maintenance #14) Task Force: Jon Lewis <jon_lewis@dell.com>

IEEE P802.3cs Increased-reach Ethernet optical subscriber access (Super-PON): Claudio DeSanti <cdssdc@google.com>

IEEE P802.3ct 100 Gb/s and 400 Gb/s over DWDM systems: John D'Ambrosia <jdambrosia@ieee.org>

IEEE P802.3cu 100 Gb/s and 400 Gb/s over SMF at 100 Gb/s per Wavelength (acting): Mark Nowell <mnowell@cisco.com>

IEEE 802.3 Study Group chairs

IEEE 802.3 Greater than 10 Gb/s Automotive Ethernet Electrical PHYs (acting): Steve Carlson <scarlson@ieee.org>

Working Group information

IEEE 802.3 Web site (presentations, minutes, reflector subscription, etc.)

<http://www.ieee802.org/3>

Interim TF and SG meeting details posted on web site

<http://www.ieee802.org/3/interims/index.html>

Announced so far, please check above URL for up to date information

IEEE P802.3cg interim meeting

16th and 17th April 2019, Warren, MI, USA

IEEE 802.3 Interim meeting series

20th through 24th May 2019, Salt Lake City, UT, USA

IEEE 802 plenary meeting series

15th through 18th July 2019, Vienna, Austria