

IEEE 802.3 Working Group July 2017 Plenary Week Report

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IEEE 802.3 Maintenance

Maintenance closing report

http://www.ieee802.org/3/minutes/jul17/0717_maint_close_report.pdf

Activities

Review of outstanding Maintenance Requests

Adoption of IEEE 802.3 standards by ISO/IEC JTC1 SC6

Progressed IEEE Std 802.3-2015/Cor1-2017 Multilane timestamping for adoption

IEEE P802.3 (IEEE 802.3cj) Standard for Ethernet Maintenance #12 (revision)

Progressed to Working Group ballot

Next meeting at September 2017 interim meeting series

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

Web page

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

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_bs_close_report.pdf

Progress

Heard 10 technical presentations

2nd Sponsor recirculation ballot comment resolution

Responded to 65 comments

Next steps

Conduct 3rd Sponsor recirculation ballot of draft IEEE P802.3bs/D3.3

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE P802.3bt DTE Power via MDI over 4-Pair Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_bt_close_report.pdf

Progress

Heard 7 presentations

5th Working Group recirculation ballot comment resolution

Responded to 4 comments

Progressed PAR extension request, CSD and objective updates

Granted approval to progress to Sponsor Ballot

Next steps

Conduct initial Sponsor ballot of draft IEEE P802.3bt/D3.0

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s Ethernet Passive Optical Networks Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_ca_close_report.pdf

Progress

Heard 23 presentations, major items discussed

Wavelength plan; Multipoint Control Protocol (MPCP) enhancements;
Power budgets; Forward Error Correction; PON convergence

Passed 4 technical motions

Fragment behaviour; splitting state diagram into two diagrams; upstream wavelength plan for the first 25G and new 10G channel with two options; new objective for concurrent operation of 25G-EPON and G-PON

Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_cb_close_report.pdf

Progress

Initial Sponsor ballot comment resolution

Completed responses to 138 comments

Next steps

Conduct 1st Sponsor recirculation ballot of draft IEEE P802.3cb/D3.1

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE P802.3cc 25 Gb/s Ethernet over single-mode Fiber Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_cc_close_report.pdf

Progress

1st Sponsor recirculation ballot comment resolution

Responded to 11 comments

Next steps

Conduct 2nd Sponsor recirculation ballot on draft IEEE P802.3cc/D3.2

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE P802.3cd 50 Gb/s, 100 Gb/s and 200 Gb/s Ethernet Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_cd_close_report.pdf

Progress

Heard 16 presentations

Initial Working Group ballot comment resolution

Completed responses to 203 comments

Next steps

Conduct 1st Working Group recirculation ballot on draft IEEE P802.3cd/D2.1

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE P802.3.2 (IEEE 802.3cf) YANG Data Model Definitions Task Force

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_cf_close_report.pdf

Progress

IEEE P802.3.2 (802.3cf)/D1.0 Task Force review comment resolution

Completed responses to 56 comments

Items discussed

Ethernet link OAM model

Next steps

Conduct Task Force review on IEEE P802.3.2 (802.3cf)/D1.1

Next meeting at September 2017 interim meeting series

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

Web page:

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

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

Task Force closing report

http://www.ieee802.org/3/minutes/jul17/0717_cg_close_report.pdf

Progress

Major items discussed

Multidrop PHY concepts; Document structure; Adopting intra-system use cases from NEA; Cabling and connector characteristics; Refinements on long reach PHY and powering specifications

Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at September 2017 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/jul17/0717_ch_close_report.pdf

Progress

Major items discussed

STP cable performance to 7.3 Ghz; Automotive high-speed cable and connector systems; BCI testing for STP cables; Cable/connector solutions; Possible PHY architectures based on media characteristics reports; EEE, wake signals and deep sleep; Initial timeline discussion

Next steps

Selection of baseline proposals to satisfy project objectives

Next meeting at September 2017 interim meeting series

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

Web page:

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

IEEE 802.3 New Ethernet Applications (NEA) Ad Hoc

Closing report

http://www.ieee802.org/3/minutes/jul17/0717_NEA_close_report.pdf

Activities

Single Pair Ethernet

Support for progressing intra-system in IEEE 802.3cg Task Force

100 Gb/s per lane for Electrical Interfaces & PHYs

Call for Interest preparations targeting Nov 2017

Next-gen 200 Gb/S and 400 Gb/s PHYs over fewer MMF pairs

Call for Interest preparations targeting Nov 2017

Next meeting at May 2017 interim meeting series

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

IEEE 802.3 Beyond 10km Optical PHYs Call for Interest

IEEE 802.3 Beyond 10km Optical PHYs Closing Report

http://www.ieee802.org/3/minutes/jul17/0717_b10k_open_report.pdf

Study Group formation approved

IEEE 802.3 Beyond 10km Optical 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 beyond 10km Optical PHYs for 50 Gb/s, 200 Gb/s, and 400 Gb/s Ethernet within IEEE 802.3

First Study Group meeting at September 2017 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>

IEEE 802.3 Treasurer: Valerie Maguire <valerie_maguire@siemon.com>

IEEE 802.3 Task Force chairs

IEEE P802.3bs 200 Gb/s and 400 Gb/s Ethernet: John D'Ambrosia <jdambrosia@ieee.org>

IEEE P802.3bt DTE Power via MDI over 4-Pair: Chad Jones <cmjones@cisco.com>

IEEE P802.3ca 25 Gb/s, 50 Gb/s, and 100 Gb/s EPON: Curtis Knittle <c.knittle@cablelabs.com>

IEEE P802.3cb 2.5 Gb/s and 5 Gb/s Backplane Cables: Dan Smith <daniel.f.smith@seagate.com>

IEEE P802.3cc 25 Gb/s Ethernet over Single-Mode Fiber: David Lewis <David.Lewis@lumentum.com>

IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet: Mark Nowell <mnowell@cisco.com>

IEEE 802.3.2 (IEEE 802.3cf) YANG Data Model: Yan Zhuang <zhuangyan.zhuang@huawei.com>

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

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

IEEE 802.3 Study Group chairs

IEEE 802.3 Beyond 10km Optical PHYs (acting): John D'Ambrosia <jdambrosia@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 802.3 Interim meeting series

11th through 15th September 2017, Charlotte, NC, USA

IEEE 802 plenary meeting series

6th through 9th November 2017, Orlando, FL, USA