

IEEE 802.3 Working Group July 2016 Plenary Week Report

David Law
Chair, IEEE 802.3 Working Group
dlaw@hpe.com
Web site: www.ieee802.org/3

IEEE 802.3 Maintenance

Maintenance closing report

http://ieee802.org/3/minutes/jul16/0716_maint_close_report.pdf

Activities

Adoption of IEEE Std 802.3-2015 by ISO/IEC JTC1 SC6

Responded to China NB comments from IEEE Std 802.3-2015 60-day ballot

IEEE Std 802.3-2015/Cor1 (IEEE 802.3ce) Multilane timestamping

Progressed to Working Group ballot

Next meetings

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

September 2016 interim meeting series

Web page

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

IEEE P802.3bn EPON Protocol over Coax (EPoC) Task Force

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_bn_close_report.pdf

Progress

Approval granted to proceed to RevCom submittal

Next steps

IEEE P802.3bn draft D3.2 submittal to September RevCom meeting

RevCom recommendation considered at September IEEE-SA Standards Board meeting

Assuming all necessary approvals IEEE 802.3bn will become standard on 22nd September 2016

Next meeting

None planned

Web page:

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

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

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_bs_close_report.pdf

Progress

Heard 2 Nomenclature Presentations

IEEE P802.3bs will use Arabic numbering (e.g., 200GMII, 200GAUI, 400GMII, 400GAUI).

Responded to 4 IEEE P802.3bs/D1.5 Task Force review comments

Approval granted to proceed to Working Group ballot

Next steps

Conduct Initial Working Group ballot of draft IEEE P802.3bs/D2.0

Next meeting at September 2016 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://ieee802.org/3/minutes/jul16/0716_bt_close_report.pdf

Progress

Heard 7 presentations

Responded to 7 IEEE P802.3bt/D1.8 Task Force review comments

Approval granted to proceed to Working Group ballot

Next steps

Conduct Initial Working Group ballot of draft IEEE P802.3bt/D2.0

Next meeting at September 2016 interim meeting series

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

Web page:

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

IEEE P802.3bu 1-Pair Power over Data Lines (PoDL) Task Force

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_bu_close_report.pdf

Progress

Initial Sponsor ballot comment resolution

Responded to 231 comments

Next steps

Conduct 1st Sponsor recirculation ballot

Next meeting at September 2016 interim meeting series

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

Web page:

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

IEEE P802.3bv Gigabit Ethernet Over Plastic Optical Fiber Task Force

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_bv_close_report.pdf

Progress

3rd Working Group recirculation ballot comment resolution

Responded to 2 comments

Approval granted to proceed to Sponsor ballot

Next steps

Conduct initial Sponsor ballot

Next meeting at September 2016 interim meeting series

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

Web page:

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

IEEE P802.3bz

2.5G/5GBASE-T Task Force

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_bz_close_report.pdf

Progress

2nd Sponsor recirculation ballot comment resolution

Responded to 2 comments

Conditional approval granted to proceed to RevCom submittal

Next steps

Conduct 3rd Sponsor recirculation ballot

Proceed to RevCom submittal

Next meeting

No further meetings planned

Web page:

<http://www.ieee802.org/3/bz/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://ieee802.org/3/minutes/jul16/0716_ca_close_report.pdf

Progress

Heard 34 presentations, major items discussed

Power budgets, channel bonding, PMD, wavelength plans, coexistence

Passed three technical motions

Meaning of “10G-EPON” in Objectives, adoption of upstream channel bonding in Reconciliation Sublayer baseline, PHY naming

Held three straw polls

Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at September 2016 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 and Copper Cables Task Force

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_cb_close_report.pdf

Progress

Responded to IEEE P802.3cb/D1.2 Task Force review comments

Approval granted to proceed to Working Group ballot

IEEE P802.3cb PAR and CSD modification approved by IEEE 802 EC

IEEE P802.3cb PAR modification on September 2016 NesCom agenda

Next steps

Conduct Initial Working Group ballot of draft IEEE P802.3cb/D2.0

Next meeting at September 2016 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://ieee802.org/3/minutes/jul16/0716_cc_close_report.pdf

Progress

Reviewed draft D0.3

Instruct editor to prepare a D1.0 for initial Task Force review

Next steps

Conduct initial Task Force review of draft IEEE P802.3cc/D1.0

Next meeting at September 2016 interim meeting series

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

Web page:

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

IEEE P802.3cd 50 Gb/s Ethernet over a single lane and next gen 100 Gb/s and 200 Gb/s Ethernet Task Force

Task Force closing report

http://ieee802.org/3/minutes/jul16/0716_cd_close_report.pdf

Progress

Heard 32 presentations, 10 Motions and 6 Straw Polls were taken

Sought IEEE 802.3 approval for two new objectives

IEEE 802.3 approval granted for:

Define a two-lane 100 Gb/s PHY for operation over SMF with lengths up to at least 500m

IEEE 802.3 approval not granted for:

Define a 100 Gb/s PHY for operation over SMF with lengths up to at least 2 km

Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at September 2016 interim meeting series

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

Web page:

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

IEEE 802.3 YANG Data Model(s) Study Group

Study Group closing report

http://ieee802.org/3/minutes/jul16/0716_YANG_close_report.pdf

Progress

IEEE P802.3.2 PAR and CSD approved by IEEE 802 Executive Committee

IEEE P802.3.2 PAR on September 2016 NesCom agenda

Study Group chartered for six more months

September 2016 NesCom and IEEE-SA meetings after interim meeting

Next meeting at September 2016 interim meeting series

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

Web page:

<http://ieee802.org/3/25GSMF/index.html>

IEEE 802.3 Next Generation Enterprise/Campus/Data Center Ethernet Industry Connection Activity

Closing report

http://ieee802.org/3/minutes/jul16/0716_NG_ECDC_close_report.pdf

Two sessions held

Next Generation Automotive

Work on Draft CFI towards CFI

400 Gb/s Ethernet extended reach (optical) PMD

Next steps

Further sessions at September 2016 interim meeting series

Consideration of proposal to widen the scope of activity

Next meeting at September 2016 interim meeting series

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

IEEE 802.3 10Mb/s Single Twisted Pair Ethernet Call for Interest

10Mb/s Single Twisted Pair Ethernet call for interest closing report

http://ieee802.org/3/minutes/jul16/0716_10M_STP_close_report.pdf

Study Group formation approved

IEEE 802.3 10 Mb/s Single Twisted Pair Ethernet Study Group

The scope of the Study Group is to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for 10Mb/s Single Twisted Pair Ethernet including optional power within IEEE 802.3

First Study Group meeting at September 2016 interim meeting series

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

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

12th through 16th September, Fort Worth, TX, USA