

IEEE 802.3 Working Group March 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/mar16/0316_maint_close_report.pdf

Activities

Maintenance requests

Considered 4 maintenance requests, 1277, 1283, 1285 & 1286

Request to submit IEEE Std 802.3-2015 to ISO/IEC JTC/SC6 for adoption

Multilane timestamping

Submitted IEEE P802.3-2015/Cor1 Corrigendum 1: Multilane timestamping PAR

Working Group designation IEEE P802.3-2015/Cor1 (IEEE 802.3ce)

Liaison response to ITU-T SG15 to provide update on multilane timestamping

Next meetings

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

May 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/mar16/0316_bn_close_report.pdf

Progress

Initial Sponsor Ballot comment resolution

Responded to 383 comments

Next steps

Conduct 1st Sponsor recirculation ballot

Next meeting

May 2016 interim meeting series

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

Web page:

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

IEEE P802.3bp 1000BASE-T1 Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_bp_close_report.pdf

Progress

2nd Sponsor recirculation ballot comment resolution

Results now: 98% Approval rate, 90% Return rate, 5% Abstention rate

Responded to 11 comments, 3 unresolved negative comments

Conditional approval granted to proceed to RevCom submittal

Next steps

Conduct 3rd (and 4th if required) Sponsor recirculation ballots

Proceed to RevCom submittal

Next meeting

IEEE 802.3bp interim 14th April 2016, Santa Clara, CA, USA

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

Web page:

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

IEEE P802.3bq 25G/40GBASE-T Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_bq_close_report.pdf

Progress

1st Sponsor recirculation ballot comment resolution

Results now: 97% Approval rate, 85% Return rate, 3% Abstention rate

Responded to 15 comments, 4 unresolved negative comments

Conditional approval granted to proceed to RevCom submittal

Next steps

Conduct 2nd (and 3rd if required) Sponsor recirculation ballots

Proceed to RevCom submittal

Next meeting

IEEE 802.3bq interim 14th April 2016, Santa Clara, CA, USA

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

Web page:

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

IEEE P802.3br Interspersing Express Traffic Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_br_close_report.pdf

Progress

Initial Sponsor Ballot comment resolution

Responded to 106 comments

Next steps

Conduct 1st Sponsor recirculation ballot

Next meeting

IEEE 802.3br interim 3rd May 2016, Karlsruhe, Germany

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

Web page:

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

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

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_bs_close_report.pdf

Progress

Heard 16 technical presentations

Responded to 177 IEEE P802.3bs/D1.2 Task Force review comments

Chartered editor to produce IEEE P802.3bs/D1.3

Next steps

Task force review of draft IEEE P802.3bs/D1.3

Next meeting at May 2016 interim meeting series

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

Web page:

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

Note: IEEE P802.3bs CSD and PAR modification being progressed by IEEE 802.3 200 Gb/s Ethernet single-mode Study Group (see below)

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

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_bt_close_report.pdf

Progress

Heard 24 presentations

Responded to 325 IEEE P802.3bt/D1.6 Task Force review comments

Chartered editor to produce IEEE P802.3bt/D1.7

Next steps

Task force review of draft IEEE P802.3bt/D1.7

Next meeting at May 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/mar16/0316_bu_close_report.pdf

Progress

Initial Working Group ballot comment resolution

Responded to 110 comments

Next steps

Conduct 1st Working Group recirculation ballot

Next meeting at May 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/mar16/0316_bv_close_report.pdf

Progress

Initial Working Group ballot comment resolution

Responded to 278 comments

Next steps

Conduct 1st Working Group recirculation ballot

Next meeting

May 2016 interim meeting series

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

Web page:

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

IEEE P802.3by 25 Gb/s Ethernet Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_by_close_report.pdf

Progress

1st Sponsor recirculation ballot comment resolution

Results now: 99% Approval rate, 83% Return rate, 5% Abstention rate

Responded to 36 comments, 2 unresolved negative comments

Conditional approval granted to proceed to RevCom submittal

Next steps

Conduct 2nd (and 3rd if required) Sponsor recirculation ballot

Proceed to RevCom submittal

Next meeting

IEEE 802.3by interim 22nd April 2016, Ottawa, ON, Canada

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

Web page:

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

IEEE P802.3bz 2.5G/5GBASE-T Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar16/0316_bz_close_report.pdf

Progress

Initial Working Group ballot comment resolution

Results now: 100% Approval rate, 67% Return rate, 10% Abstention rate

Responded to 220 comments

Conditional approval granted to proceed to Sponsor ballot

Next steps

Conduct 1st (and 2nd if required) Working Group recirculation ballot

Proceed to Sponsor ballot

Next meeting

IEEE 802.3bz interim 14th April 2016, Santa Clara, CA, USA

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

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/mar16/0316_ca_close_report.pdf

Progress

Heard 21 presentations

Major items discussed

Architecture, channel bonding, PMD, wavelength plans, tunable vs non-tunable

Passed four technical motions

25, 50 and 100 Gb/s ONU and OLT wavelengths

Adoption of downstream channel bonding baseline

Held eight straw polls

Next steps

Next meeting at May 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/mar16/0316_cb_close_report.pdf

Progress

Backplane Channel model baseline adopted

Cable to be removed from the scope due to the lack of contribution

Refinements to 2.5 Gb/s and 5 Gb/s PCS and PMA baselines adopted

Next steps

Task Force review of IEEE P802.3cb/D0.1

Update of PAR and CSD to remove cable

Next meeting at May 2016 interim meeting series

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

Web page:

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

IEEE 802.3 50 Gb/s Ethernet over a single lane and next generation 100 Gb/s and 200 Gb/s Ethernet Study Group

Study Group closing report

http://www.ieee802.org/3/minutes/mar16/0316_50_100_200_close_report.pdf

Progress

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

IEEE P802.3cd PAR on May 2016 IEEE-SA NesCom agenda

Study Group chartered for six more months

Backup if PAR not approved by IEEE-SA Standards Board

First IEEE P802.3cd meeting planned for May 2016

Assuming PAR approval by IEEE-SA Standards Board

If not the IEEE 802.3 50 Gb/s Ethernet over a single lane and next generation 100 Gb/s and 200 Gb/s Ethernet Study Group will meet

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

Web page:

<http://ieee802.org/3/50G/index.html>

IEEE 802.3 200 Gb/s Ethernet single-mode Study Group

Study Group closing report

http://www.ieee802.org/3/minutes/mar16/0316_50_100_200_close_report.pdf

Progress

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

IEEE P802.3bs PAR modification on May 2016 IEEE-SA NesCom agenda

Study Group chartered for six more months

Backup if PAR modification not approved by IEEE-SA Standards Board

Work of Study Group complete

Assuming PAR modification approval by IEEE-SA Standards Board

If not the 200 Gb/s Ethernet single-mode Study Group will meet

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

Web page:

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

IEEE 802.3 25 Gb/s Ethernet PMD(s) for Single Mode Fiber Study Group

Study Group closing report

http://www.ieee802.org/3/minutes/mar16/0316_25G_SMF_close_report.pdf

Progress

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

IEEE P802.3cc PAR on May 2016 IEEE-SA NesCom agenda

Study Group chartered for six more months

Backup if PAR not approved by IEEE-SA Standards Board

First IEEE P802.3cc meeting planned for May 2016

Assuming PAR approval by IEEE-SA Standards Board

If not the IEEE 802.3 25 Gb/s Ethernet PMD(s) for Single Mode Fiber Study Group will meet

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://www.ieee802.org/3/minutes/mar16/0316_NG_ECDC_close_report.pdf

Two sessions held

Single Pair BASE-T extended reach

Two meetings held during week

400 Gb/s Ethernet extended reach (optical) PMD

Call for interest

YANG models (see below)

Next potential meeting at May 2016 interim meeting series

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

IEEE 802.3 YANG models Call for Interest

IEEE 802.3 YANG models call for interest closing report

http://ieee802.org/3/minutes/mar16/0316_YANG_close_report.pdf

Study Group formation approved

IEEE 802.3 YANG models Study Group

The scope of the Study Group is to develop a PAR and CSD for IEEE 802.3 YANG data model(s)

First Study Group meeting at May 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 P802.3bp 1000BASE-T1 Task Force

14th April 2016, Santa Clara, CA, USA

IEEE P802.3bq 25G/40GBASE-T Task Force

14th April 2016, Santa Clara, CA, USA

IEEE P802.3bz 2.5G/5GBASE-T Task Force

14th April 2016, Santa Clara, CA, USA

IEEE P802.3by 25Gb/s Ethernet Task Force

22nd April 2016, Ottawa, ON, Canada

IEEE P802.3br Interspersing Express Traffic Task Force

3rd May 2016, Karlsruhe, Germany

IEEE 802.3 Interim meeting series

23rd through 27th May 2016, Whistler, BC, Canada