

IEEE 802.3 Working Group March 2015 Plenary Week Report

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IEEE 802.3 Maintenance

Maintenance closing report

http://ieee802.org/3/minutes/mar15/0315_maint_close_report.pdf

Activities

Maintenance requests

Request #1272 rejected: Beyond scope of maintenance, request for new feature

IEEE P802.3 (IEEE 802.3bx) revision project

Approval granted to proceed to Sponsor Ballot

Initial Sponsor Ballot draft will be liaised to ISO/IEC JTC1 SC6

Next meeting at May 2015 interim meeting series

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

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/mar15/0315_bn_close_report.pdf

Progress

Heard 4 technical presentations, 7 technical motions passed

Resolution of IEEE P802.3bn/D1.3 Task Force review comments

Approved creation of IEEE P802.3bn/D1.4

Updated Project timeline

Next steps

Creation and Task Force review of IEEE P802.3bn/D1.4

Next meeting at May 2015 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/mar15/0315_bp_close_report.pdf

Progress

Resolution of 149 IEEE P802.3bp/D1.3 Task Force review comments

Agreed on resolution of common problems with Clause 22/45

Submission of comment to IEEE P802.3 (IEEE 802.3bx) Sponsor Ballot

Chartered editor to produce IEEE P802.3bp/D1.4

Next steps

Creation and Task Force review of IEEE P802.3bp/D1.4

Next meeting at May 2015 interim meeting series

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

Web page:

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

IEEE P802.3bq 40GBASE-T Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar15/0315_bq_close_report.pdf

Progress

Resolution of 99 IEEE P802.3bq/D1.2 Task Force review comments

Generate Draft D2.0 from Draft D1.2 and closed comments

Approval granted to proceed to Working Group ballot

Next steps

Initial Working Group ballot of IEEE P802.3bq/D2.0

Next meeting at May 2015 interim meeting series

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/mar15/0315_br_close_report.pdf

Progress

Provided Tutorial in conjunction with IEEE 802.1 Time Sensitive Networking Task Group on 'Real-time Ethernet on IEEE 802.3 Networks' available at <http://ieee802.org/802_tutorials/2015-03/8023-IET-TF-1501-Winkel-Tutorial-20150115_r06.pptx>

Approval granted to proceed to Working Group ballot

Next steps

Initial Working Group ballot of IEEE P802.3br/D2.0

Next meeting at May 2015 interim meeting series

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/mar15/0315_bs_close_report.pdf

Progress

Heard 39 technical presentations

Adopted RS(544,514,10) as IEEE P802.3bs FEC

Adopted CDAUI-8 Chip-to-Chip PAM-4 baseline

Adopted CDAUI-8 Chip-to-module PAM-4 baseline

Next steps

Continue selection of baseline proposals to satisfy objectives

Resolve Big Ticket Items

Next meeting at May 2015 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/mar15/0315_bt_close_report.pdf

Progress

Heard 19 technical presentations, 1 Ad Hoc report

Passed 9 motions to adopt proposals as baseline

Compiled a list of open items, assigned owners for May

Chartered editor to produce IEEE P802.3bt/D0.4

Next steps

Continue selection of baseline proposals to satisfy objectives

Creation and Task Force review of IEEE P802.3bt/D0.4

Next meeting at May 2015 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/mar15/0315_bu_close_report.pdf

Progress

Heard 4 technical presentations

Return Loss, Power Classes, MPS baseline proposals

Power design guidelines

Reviewed IEEE P802.3bu/D0.3

Chartered editor to produce IEEE P802.3bu/D1.0

Next steps

Continue selection of baseline proposals to satisfy objectives

Task Force review of IEEE P802.3bu/D1.0

Next meeting at May 2015 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/mar15/0315_bv_close_report.pdf

Progress

- Heard 13 technical presentations

- Adopted additional PCS proposals

- Chartered editor to produce IEEE P802.3bv/D1.0

Next steps

- Continue selection of baseline proposals to satisfy objectives

- Task Force review of IEEE P802.3bv/D1.0

Next meeting at May 2015 interim meeting series

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

Web page:

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

IEEE P802.3bw 100BASE-T1 Task Force

Task Force closing report

http://ieee802.org/3/minutes/mar15/0315_bw_close_report.pdf

Progress

IEEE P802.3bw/D1.3 1st Working Group recirculation comment resolution

Results now: 97% Approval rate, 56% Return rate, 25% Abstention rate

Considered 86 comments, 7 unresolved negative comments from 3 voters

Conditional approval granted to proceed to Sponsor Ballot

Next steps

Conduct 3rd Working Group recirculation ballot IEEE P802.3bw/D1.4

Conduct 4th Working Group recirculation if required

Proceed with initial Sponsor ballot

Next meeting is IEEE P802.3bw April 2015 interim meeting

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

Web page:

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

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

Task Force closing report

http://ieee802.org/3/minutes/mar15/0315_by_close_report.pdf

Progress

Heard 14 contributions

Resolution of 148 IEEE P802.3by/D0.1 Task Force review comments

Adopted two PHY type approach for twin-axial cable (similar for backplane)

25GBASE-CR (mandatory RS-FEC, BASE-R FEC, no-FEC) – 5m objective

25GBASE-CR-S (mandatory BASE-R, no-FEC) – 3m objective

Chartered editor to produce IEEE P802.3by/D1.0

Next steps

Task force review of draft IEEE P802.3by/D1.0

Next meeting at May 2015 interim meeting series

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

Web page:

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

IEEE 802.3 Next Generation Enterprise BASE-T Access Study Group

Study Group closing report

http://ieee802.org/3/minutes/mar15/0315_ngeabt_close_report.pdf

Progress

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

IEEE P802.3bz PAR on March 2015 IEEE-SA NesCom agenda

Study Group chartered for six more months

Backup if PAR not approved by IEEE-SA Standards Board

First IEEE P802.3bz meeting planned for May 2015

Assuming PAR approval by IEEE-SA Standards Board

If not the IEEE 802.3 Next Generation Enterprise BASE-T Study Group meets

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

Web page:

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

IEEE 802.3 25GBASE-T Study Group

Study Group closing report

http://www.ieee802.org/3/minutes/mar15/0315_25gbt_close_report.pdf

Progress

IEEE P802.3bq modified CSD approved by IEEE 802.3 Working Group
Study Group chartered for six more months

Next steps

Progress IEEE 802 approval for IEEE 802.3bq modified PAR and CSD

Next meeting at May 2015 interim meeting series

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

Web page:

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

IEEE 802.3 Industry Connections Next Generation Ethernet Passive Optical Network (NG-EPON) Ad Hoc

Ad Hoc report

http://www.ieee802.org/3/minutes/nov14/1114_ngepon_open_report.pdf

Progress

Report approved by IEEE 802.3 and IEEE 802 Executive Committee

Published at http://ieee802.org/3/ad_hoc/nggepon/ng_epon_report.pdf

Next steps

None, project complete

Web page:

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

Working Group information

IEEE 802.3 Web site

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

WG and TF documents on web site

Presentations, minutes, reflector subscription information, rules, etc.

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 P802.3bw 100BASE-T1 Task Force

Thursday, 9th April 2015

Broadcom, Irvine, CA, USA

IEEE 802.3 Interim meeting series

Monday 18th May through Friday, 22nd May 2015

Omni William Penn Hotel, Pittsburgh, PA, USA

Next IEEE 802.3 Working Group plenary meeting session

Monday 13th July through Thursday 16th July 2015

Hilton Waikoloa Village, Waikoloa, HI, USA