

# IEEE 802.3 Working Group March 2017 Plenary Week Report

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

# IEEE 802.3 Maintenance

---

## Maintenance closing report

[http://www.ieee802.org/3/minutes/mar17/0317\\_maint\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_maint_close_report.pdf)

## Activities

Review of outstanding Maintenance Requests

Adoption of IEEE 802.3 standards by ISO/IEC JTC1 SC6

Responded to China NB comments on the IEEE Std 802.3-2015 FDIS ballot as well as the China NB comments on the IEEE Std 802.3by-2016, IEEE Std 802.3bq-2016, IEEE Std 802.3bp-2016, IEEE Std 802.3br-2016, and IEEE Std 802.3bz-2016 60-day pre-FDIS ballot

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

Progressed to RevCom submittal

Request for additions to the IANA MAU MIB

Approved for submittal to IANA

IEEE P802.3 (IEEE 802.3cj) Standards for Ethernet revision

Progressed to NesCom submittal

Next meeting at May 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/mar17/0317\\_bs\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_bs_close_report.pdf)

Progress

Heard 17 technical presentations

Initial Sponsor ballot comment resolution

Responded to 165 comments

Next steps

Conduct 1<sup>st</sup> Sponsor recirculation ballot of draft IEEE P802.3bs/D3.1

Next meeting at May 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/mar17/0317\\_bt\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_bt_close_report.pdf)

Progress

Heard 23 presentations

3<sup>rd</sup> Working Group recirculation ballot comment resolution

Responded to 412 comments

Approved new timeline

Next steps

Conduct 4<sup>th</sup> Working Group recirculation ballot of draft IEEE P802.3bt/D2.4

Next meeting at May 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/mar17/0317\\_ca\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_ca_close_report.pdf)

## Progress

Heard 30 presentations, major items discussed

Wavelength plan, MPRS, power budgets, FEC, service requirements

Passed 4 technical motions

GATE message format, GLID grant scheduling figure, PMD content and chartered editor to generate draft D0.3

## Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at May 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/mar17/0317\\_cb\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_cb_close_report.pdf)

Progress

3<sup>rd</sup> Working Group recirculation ballot comment resolution

Completed responses to 19 comments

Conditional approval granted to proceed to Sponsor ballot

Next steps

Conduct 4<sup>th</sup> Working Group recirculation ballot of draft IEEE P802.3cb/D2.4

Next meeting at May 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/mar17/0317\\_cc\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_cc_close_report.pdf)

Progress

Approval granted to proceed to Sponsor ballot

Next steps

Conduct initial Sponsor ballot on draft IEEE P802.3cc/D3.0

Next meeting at May 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 Ethernet over a single lane and next gen 100 Gb/s and 200 Gb/s Ethernet Task Force

---

Task Force closing report

[http://www.ieee802.org/3/minutes/mar17/0317\\_cd\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_cd_close_report.pdf)

Progress

IEEE P802.3cd/D1.2 Task Force review comment resolution

Completed responses to 226 comments

Heard 16 presentations, 5 Motions and 3 Straw Poll were taken

Adopted 3 new MDIs (QSFP-DD, OSFP, micro QSFP)

Next steps

Conduct Task Force review on IEEE P802.3cd/D1.3

Next meeting at May 2017 interim meeting series

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

Web page:

<http://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/mar17/0317\\_cf\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_cf_close_report.pdf)

Progress

Heard 30 presentations, major items discussed

Reviewed and adopted baseline proposals for Ethernet interface modules

Reviewed and baseline proposals for PSE module

Decide to suggest potential additions to Clause 30

Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at May 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/mar17/0317\\_cg\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_cg_close_report.pdf)

Progress

Major items discussed

Link Segment Proposals, Multidrop topologies and applications, PHY proposals, results, and information required to adopt baselines, DC loop resistance and powering concepts

Adopted baseline for 1000m link segment transmission and alien crosstalk parameters

Next steps

Continue selection of baseline proposals to satisfy project objectives

Next meeting at May 2017 interim meeting series

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

Web page:

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

# IEEE 802.3 Multi-Gig Automotive Ethernet PHY Study Group

---

Study Group closing report

[http://www.ieee802.org/3/minutes/mar17/0317\\_multi\\_gig\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/0317_multi_gig_close_report.pdf)

Progress

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

IEEE P802.3ch PAR on May 2017 NesCom agenda

Study Group re-chartered until next plenary

Backup if PAR not approved by IEEE-SA Standards Board

First IEEE P802.3ch meeting planned for May 2017

Assuming PAR approval by IEEE-SA Standards Board

If not the IEEE 802.3 Multi-Gig Automotive Ethernet PHY Study Group will meet

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

Web page:

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

# IEEE 802.3 New Ethernet Applications (NEA) Ad Hoc

---

Closing report

[http://www.ieee802.org/3/minutes/mar17/1117\\_NG\\_ECDC\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/mar17/1117_NG_ECDC_close_report.pdf)

Progress

Session #1: Next Gen MMF PMD

Call For Interest Preparation

Session #2: 100Gb/s Electrical Signaling, including discussion of higher Ethernet rates (800GbE)

Significant interest to continue discussions in NEA

Next meeting at May 2017 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 P802.3cb interim meeting

5<sup>th</sup> May 2017, teleconference meeting

IEEE 802.3 Interim meeting series

22<sup>nd</sup> through 26<sup>th</sup> May 2017, New Orleans, LO, USA

IEEE 802 plenary meeting series

10<sup>th</sup> through 14<sup>th</sup> July 2017, Berlin, Germany