

IEEE 802.3 Ethernet Working Group March 2013 Plenary Report

David Law, Chair, IEEE 802.3
dlaw@hp.com

www.ieee802.org/3

IEEE 802.3 Maintenance

- Maintenance closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_maint_close_report.pdf
- Activities
 - Consider new maintenance requests
 - Reviewed status of outstanding maintenance requests
 - Review of New Clause numbers
 - ISO/IEC JTC1 SC6
 - Discussion of submitting IEEE 802.3 standards for adoption
 - Request to submit IEEE Std 802.3-2012 revision for adoption approved
- Next meetings
 - IEEE 802.3 May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page
 - <http://www.ieee802.org/3/maint/index.html>

IEEE P802.3.1 (IEEE 802.3.1a) Ethernet MIB (revision)

- Task Force closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_1a_close_report.pdf
- Progress
 - IEEE P802.3.1/D2.1 completed 1st Sponsor recirculation ballot
 - 100% Approval rate, 78% Return rate, 4% Abstention rate
 - Developed responses to comments on IEEE P802.3.1/D2.1
 - Considered and responded to 3 comments
 - Obtained conditional approval to submit to RevCom
- Next steps
 - Conduct 2nd Sponsor recirculation ballot
 - Proceed to RevCom submittal
- Web page: <http://www.ieee802.org/3/1/index.html>

IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force closing report

- Task Force closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_bj_close_report.pdf
- Progress
 - IEEE P802.3bj/D1.4 completed fifth Task Force Review
 - Considered and responded to 4 comments
 - IEEE 802.3 approval to proceed to Working Group Ballot
- Next steps
 - Initial Working Group ballot on IEEE P802.3bj/D2.0
- Next meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page: <http://www.ieee802.org/3/bj/index.html>

IEEE 802.3bk Extended Ethernet Passive Optical Networks (EPON) Task Force

- Task Force closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_bk_close_report.pdf
- Progress
 - IEEE P802.3bk/D2.1 completed 1st Working Group recirculation ballot
 - 100% Approval rate, 55% Return rate, 23% Abstention rate
 - Developed responses to comments on IEEE P802.3bk/D2.1
 - Total of 22 comments received, 3 comments were withdrawn
 - Considered and responded to 19 comments
 - Obtained approval to proceed to Sponsor Ballot
- Next steps
 - Proceed to Initial sponsor ballot on IEEE P802.3bk/D3.0
- Next meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
 - <http://www.ieee802.org/3/bk/index.html>

IEEE 802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Task Force

- Task Force closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_bm_close_report.pdf
- Progress
 - Baseline proposal for CAUI-4 chip to chip was adopted
 - Modified PAR, 5 Criteria in support of Energy-efficient Ethernet
 - Responded to comments received against PAR and 5 Criteria
 - Modified PAR section 8.1 to remove unnecessary text
 - Obtained IEEE 802.3 and IEEE 802 Executive Committee Approval
 - Modified PAR remains on April Early Consideration agenda
- Next steps
 - Continue selection of baseline proposals to satisfy project objectives
- Next meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
 - <http://www.ieee802.org/3/bm/index.html>

IEEE 802.3bn EPON Protocol over a Coax (EPoC) PHY Task Force

- Task Force closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_bn_close_report.pdf
- Progress
 - 41 presentations
 - 28 technical motions approved (17 previous, total 45)
 - 1 baseline proposal approved
 - Updated Task Force timeline
- Next steps
 - Continue selection of baseline proposals to satisfy project objectives
- Next meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
 - <http://www.ieee802.org/3/bn/index.html>

IEEE 802.3bp Reduced Twisted Pair 1 Gb/s Ethernet Task Force

- Task Force closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_bp_close_report.pdf
- Progress
 - Heard 12 presentations from link segment and EMC ad hocs
 - Link segment (testing 1-pair CAT6A-like link segment)
 - EMC ad hoc
 - Common mode noise on automotive data line test results, EMC road map
- Next steps
 - Continue data gathering
 - Electro-Magnetic Emissions, and Susceptibility and channel
- Next meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
 - <http://www.ieee802.org/3/bp/index.html>

IEEE 802.3 Next Generation BASE-T Study Group

- Study Group closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_ngbt_close_report.pdf
- Progress
 - PAR and 5 Criteria approved by IEEE 802 Executive Committee
 - PAR on April Early Consideration NesCom agenda
- Study Group chartered for six more months
 - Backup if PAR not approved by SASB
- First IEEE P802.3bq meeting planned for May 2013
 - Assuming PAR approval by SASB
 - If not will meet as IEEE 802.3 Next Generation BASE-T Study Group
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
<http://www.ieee802.org/3/NGBASET/index.html>

IEEE 802.3 Distinguished minimum latency traffic in a converged traffic environment Study Group

- Study Group closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_dmlt_close_report.pdf
- Progress
 - Heard 5 presentations working towards PAR, 5C and objectives
 - A total of 13 objectives approved
 - Initial drafting of IEEE P802.3br Interspersing Express Traffic PAR
- Study Group chartered for six more months
- Next meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
<http://www.ieee802.org/3/DMTL/index.html>

400Gb/s Ethernet call for interest

- Call for Interest closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_400g_close_report.pdf
- Study Group formation approved
 - IEEE 802.3 400Gb/s Ethernet Study Group
- Study Group home page and reflector subscriptions
 - <http://www.ieee802.org/3/400GSG/index.html>
- First Study Group meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page
 - Will be added to: <http://www.ieee802.org/3/index.html>

4-Pair Power over Ethernet call for interest

- Call for Interest closing report
 - http://www.ieee802.org/3/minutes/mar13/0313_4ppoe_close_report.pdf
- Study Group formation approved
 - IEEE 802.3 4-Pair Power over Ethernet Study Group
- Study Group home page and reflector subscriptions
 - <http://www.ieee802.org/3/4PPOE/index.html>
- First Study Group meeting at May 2013 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page
 - Will be added to: <http://www.ieee802.org/3/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>
 - IEEE 802.3 Interim meeting series
 - Tuesday, 14th May through Friday, 17th May 2013
 - The Fairmont Empress, Victoria, BC, Canada
 - Next IEEE 802.3 WG plenary session
 - Monday, 15th July through Thursday, 18th July 2013
 - ITU, Geneva, Switzerland