

IEEE 802.3 Ethernet Working Group July 2012 Plenary Report

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www.ieee802.org/3

IEEE 802.3 Maintenance

- IEEE P802.3 Revision (IEEE 802.3bh)
 - IEEE P802.3/D3.2 completed 2nd Sponsor recirculation ballot
 - 93% Approval rate, 84% Return rate, 6% Abstention rate
 - Developed responses to comments on IEEE P802.3/D3.2
 - Considered and responded to 4 comments
 - Proceeded to 3rd Sponsor recirculation ballot
 - Only responses to comments recirculated
 - No changes made to the IEEE P802.3/D3.2 draft
 - Submitted to RevCom for August meeting
 - Submitted under IEEE-SA RevCom convention #6, RevCom policy for Recirculation Ballots in Progress at the Submittal Deadline
- Next steps
 - Consider any comment received on 3rd Sponsor recirculation ballot
- Next meetings
 - IEEE 802.3 September 2012 interim meeting series if required
 - 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/jul12/0712_1a_close_report.pdf
- Progress
 - IEEE P802.3.1/D1.1 completed 1st Working Group recirculation ballot
 - 98% Approval rate, 56% Return rate, 27% Abstention rate
 - Developed responses to comments on IEEE P802.3.1/D1.1
 - Considered and responded to 7 comments
 - Obtained IEEE 802.3 conditional approval to proceed to Sponsor Ballot
- Next steps
 - Proceed to 2nd Working Group recirculation ballot
- Next meeting at September 2012 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- 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/jul12/0712_bj_close_report.pdf
- Progress
 - IEEE P802.3bj/D1.0 completed initial Task Force Review
 - Considered and responded to 253 comments
 - 43 comments to be forwarded and considered against D1.1
 - Heard 20 technical presentations
 - Modified PAR, 5 Criteria in support of Energy-efficient Ethernet
 - Updated Broad Market Potential, Compatibility, Distinct Identity
 - Added two objectives related to EEE
 - FEC Mandatory
- Next steps
 - Generation of Draft D1.1
 - Task Force Review of IEEE P802.3bj/D1.1
- Next meeting at September 2012 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/jul12/0712_bk_close_report.pdf
- Progress
 - IEEE P802.3bk/D1.0 completed initial Task Force Review
 - Considered and responded to 85 comments
 - Heard three technical contributions
 - Link Model adopted
- Next steps
 - Generation of Draft D1.1
 - Task Force Review of IEEE P802.3bk/D1.1
- Next meeting at September 2012 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
<http://www.ieee802.org/3/bk/index.html>

IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc

- Closing report
 - http://www.ieee802.org/3/minutes/jul12/0712_bwa_close_report.pdf
- Progress
 - Provided IEEE 802 tutorial on findings
http://www.ieee802.org/802_tutorials/2012-07/BWATutorial_D1_12_0716.pdf
 - Ethernet Bandwidth Assessment report approved
http://www.ieee802.org/3/ad_hoc/bwa/BWA_Report.pdf
 - Request to terminate the IEEE 802.3 Ethernet Bandwidth Assessment Industry connection activity approved

IEEE 802.3 Higher Speed Ethernet consensus Industry Connection activity

- Closing report
 - http://www.ieee802.org/3/minutes/jul12/0712_bwa_close_report.pdf
- Progress
 - Industry connection activity initiation document endorsed
 - Expected to be approved by SASB by email ballot
- First meeting at September 2012 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>

IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group

- Study Group closing report
 - http://www.ieee802.org/3/minutes/jul12/0712_ng100goptx_close_report.pdf
- Progress
 - PAR and 5 Criteria approved by IEEE 802 Executive Committee
 - PAR on August NesCom agenda
- Study Group chartered for six more months
 - Backup if PAR not approved at August SASB meeting
- First IEEE P802.3bm meeting September 2012
 - Assuming PAR approval at August SASB meeting
 - If not will meet as IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
<http://www.ieee802.org/3/100GNGOPTX/index.html>

IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group

- Study Group closing report
 - http://www.ieee802.org/3/minutes/jul12/0712_epoc_close_report.pdf
- Progress
 - Heard 20 presentations (including 3 in Chinese!)
 - Objectives unchanged from May meeting
 - PAR and 5 Criteria approved by IEEE 802 Executive Committee
 - PAR on August NesCom agenda
- Study Group chartered for six more months
 - Backup if PAR not approved at August SASB meeting
- First IEEE P802.3bn meeting September 2012
 - Assuming PAR approval at August SASB meeting
 - If not will meet as IEEE 802.3 EPoC PHY Study Group
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
<http://www.ieee802.org/3/epoc/index.html>

IEEE 802.3 Reduced Twisted Pair 1 Gb/s Ethernet Study Group

- Study Group closing report
 - http://www.ieee802.org/3/minutes/jul12/0712_rtpge_close_report.pdf
- Progress
 - 3 tutorials on automotive/industrial requirements
 - 14 presentations
 - Technical and economic feasibility, channel and impairments
 - Reports from power, channel, objectives, PAR and 5C ad hocs
 - Adopted draft PAR and draft 5C
 - Adopted 6 new draft objectives (8 total)
- Study Group chartered for six more months
- Next meeting at September 2012 interim meeting series
 - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
<http://www.ieee802.org/3/RTPGE/index.html>

Next Generation BASE-T Call for interest

- Call for Interest closing report
 - http://www.ieee802.org/3/minutes/jul12/0712_ngbaset_close_report.pdf
- Study Group formation approved
 - IEEE 802.3 Next Generation BASE-T Study Group
- First Study Group meeting at September 2012 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 - ITU Joint workshop
 - Saturday, 22nd September 2012, ITU Headquarters, Geneva, Switzerland
 - IEEE 802.3 Interim meeting series
 - Sunday, 23rd September through Friday, 28th , September 2012
 - ITU Headquarters, Geneva, Switzerland
 - Next IEEE 802.3 WG plenary session
 - Monday, 12th November through Thursday, 15th November 2012
 - Grand Hyatt San Antonio, San Antonio, TX, USA