

IEEE 802.3 Ethernet Working Group March Plenary Report

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www.ieee802.org/3

IEEE 802.3 Maintenance

- Maintenance requests
 - Review of outstanding maintenance requests 1234 and 1232
- IEEE P802.3 Revision (IEEE 802.3bh)
 - Reviewed and update revision plan
 - Reported maintenance requests selected for revision
- Interpretations
 - Developed responses to two interpretation requests
 - 2-03/11 Isolation Criteria
 - 1-03/11 1000BASE-X auto-negotiation enable/disable
- Other items
 - Developed response to liaison letter from Cable Television Laboratories
- Next meeting May 2011
 - Full details will be provided at: <http://www.ieee802.org/3/interims/>
 - Continue progressing IEEE P802.3 Revision
 - Review of outstanding maintenance requests
- Web page
 - <http://www.ieee802.org/3/maint/index.html>

IEEE P802.3bf Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol Task Force

- IEEE P802.3bf/D3.1 completed 1st Sponsor recirculation ballot
 - 95% Approval rate, 88% Return rate, 6% Abstention rate
- Resolved comments on IEEE P802.3bf/D3.1
 - Considered and responded to 10 comments
 - Proceeding to 2nd Sponsor recirculation ballot
 - Obtained conditional approval to submit to RevCom
- Other items
 - Developed response to two ITU liaison letters
- Next meeting 20th April 2011
 - http://www.ieee802.org/3/interims/portland_1_042011.html
 - Respond to 2nd Sponsor recirculation ballot comments
- Web page
 - <http://www.ieee802.org/3/bf/index.html>

IEEE P802.3bg 40Gb/s Ethernet Single-mode Fiber PMD Task Force

- IEEE P802.3bg/D3.1 completed 1st sponsor recirculation ballot
 - 98% Approval rate, 78% Return rate, 6% Abstention rate
 - No comments received
- IEEE P802.3bg/D3.1 pre-submitted to March RevCom meeting
 - Obtained approval for submittal to remain on agenda
 - Hope for approval as IEEE Standards on 31st March
- Web page
 - <http://www.ieee802.org/3/bg/index.html>

IEEE 802.3 100 Gb/s Backplane and Copper Study Group

- Progress
 - Approved objectives
 - Support full-duplex operation only
 - Preserve the 802.3 / Ethernet frame format utilizing the 802.3 MAC
 - Preserve min and max FrameSize of current 802.3 standard
 - Objective Forms Adopted
 - Define a 4-lane 100 Gb/s PHY for operation over links consistent with copper traces on “improved FR-4” with lengths up to at least “X” m.
 - Define a 4-lane 100 Gb/s PHY for operation over links consistent with copper twin-axial cables with lengths up to at least “Y” m.
 - Improved FR-4 to be defined, “X” and “Y” to be decided
- Study Group chartered for six more months
- Next meeting May 2011
 - Full details will be provided at: <http://www.ieee802.org/3/interims/>
 - Continue development of objectives, 5 criteria and PAR
- Web page: <http://www.ieee802.org/3/100GCU/index.html>

IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc

- Progress
 - Recommended group output
 - Single, multi-chapter report
 - Separate chapters based on different application areas
 - Liaisons communications
 - Liaison letter to ITU-T SG15
 - Liaison letter to OIF
 - Liaison letter to PCI-SIG
 - Action Plan for Gathering Data
 - Invitation to be published on Webpage
 - Opportunistic Meeting Schedule
- Web page: http://www.ieee802.org/3/ad_hoc/bwa/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 P802.3bf Interim meeting
 - 20th April 2011, Portland, OR, USA
 - IEEE 802.3 Interim meeting series
 - Week of 23rd May 2011, Hyatt Regency Lake Tahoe, CA, USA
 - Next IEEE 802.3 WG plenary session
 - 17th to 20th July 2011, Hyatt Regency Embarcadero, San Francisco , CA, USA