

IEEE 802.3 Working Group March 2011 Plenary Week

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Current IEEE 802.3 activities

- IEEE P802.3bd MAC Control Frame for Priority-based Flow Control
 - Project being undertaken by the IEEE 802.1 DCB Task Group
- IEEE P802.3.1 (IEEE 802.3be) Ethernet MIB
- IEEE P802.3bf Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol
- IEEE P802.3bg 40Gb/s Ethernet Single-mode Fiber PMD
- IEEE 802.3 100 Gb/s Backplane and Copper Study Group
- IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc

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

- Description
 - Provide an accurate indication of the transmission and reception initiation times of certain packets as required to support IEEE P802.1AS
- Meeting plan
 - Resolve comments on Sponsor recirculation ballot draft IEEE P802.3bf/D3.1
 - Consider requesting either conditional, or unconditional, approval to proceed to RevCom submittal

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

- Description
 - Provide an amendment to the IEEE 802.3 standard to specify a 40Gb/s Ethernet Single-mode Fibre PMD optimized for client applications in the carrier environment
- Status
 - Sponsor recirculation ballot draft IEEE P802.3bg/D3.1 closed Friday 28th January with 100% approval and no comments. Pre-submitted to RevCom for consideration at its meeting on March 30th 2011
- Meeting plan
 - Obtained approval from the IEEE 802.3 WG and IEEE 802 Executive Committee for the submittal to remain on this RevCom agenda

IEEE P802.3.1 Ethernet MIB Task Force

- Description
 - Provide SMIv2 (SNMP) and GDMO MIB modules specifications for Ethernet
 - Transfer existing SMIv2 Ethernet MIBs from Internet Engineering Task Force (IETF)
 - Transfer existing GDMO Ethernet MIBs from IEEE Std 802.3
 - Add extensions resulting from recent amendments of IEEE Std 802.3
 - Transfer the Ethernet LLDP extension MIB module from IEEE Std 802.1AB
- Meeting plan
 - Resolve comments on Sponsor recirculation ballot draft IEEE P802.3.1/D3.1.
 - Consider requesting either conditional, or unconditional, approval to proceed to RevCom submittal

IEEE 802.3 100 Gb/s Backplane and Copper Study Group

- Description
 - Study Group for 100Gb/s Ethernet Electrical Backplane and Twinaxial Copper Cable Assemblies
- Meeting plan
 - Continue hearing presentations and developing consensus on objectives and 5 criteria

IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc

- Description
 - Gathering information that will enable an evaluation of the bandwidth needs for Ethernet applications, including, but not limited to, core networking and computing
- Status
 - First teleconference held 28th February 2011
- Meeting plan
 - Refinement of deliverables

IEEE 802.3 Maintenance

- Meeting plan
 - Consider new maintenance requests
 - Consider outstanding maintenance requests
 - IEEE Std 802.3 revision plan
 - IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (Revision) PAR approved in January continuous processing

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law (dlaw@hp.com)

IEEE 802.3 Vice Chair: Wael William Diab (wdiab@broadcom.com)

IEEE 802.3 Secretary: Adam Healey (adam.healey@lsi.com)

IEEE 802.3 Executive Secretary: Steve Carlson (scarlson@ieee.org)

IEEE 802.3 Treasurer: Valerie Maguire (valerie_maguire@siemon.com)

IEEE P802.3bd MAC Control Frame for Priority-based Flow Control

This project is being undertaken by the IEEE 802.1 DCB Task Group

IEEE P802.3bf Time Synchronization: Steve Carlson (scarlson@ieee.org)

IEEE P802.3bg 40Gb/s Ethernet Single-mode Fiber PMD: Mark Nowell
(mnowell@ieee.org)

IEEE 802.3 100 Gb/s Backplane and Copper Study Group: John D'Ambrosia
(jdambrosia@ieee.org)

IEEE 802.3 Maintenance: Wael William Diab (wdiab@broadcom.com)

IEEE P802.3.1 Ethernet MIB: Howard Frazier (hfrazier@broadcom.com)

Preliminary Meeting Plan

	Mon	Tue	Wed	Thu
AM		IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1 IEEE 802.3 B&CSG	IEEE 802.3 B&CSG	IEEE 802.3 BWA
PM	IEEE 802.3 Opening Plenary	IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1 IEEE 802.3 B&CSG	IEEE 802.3 B&CSG Maintenance	IEEE 802.3 Closing Plenary

IEEE 802.3 B&CSG : IEEE 802.3 100 Gb/s Backplane and Copper Study Group
IEEE 802.3 BWA : IEEE 802.3 Ethernet Bandwidth Assessment Ad Hoc

IEEE 802.3 Standards

- IEEE Std 802.3™-2008 (26 Dec 08 / 26 Dec 08)*
 - IEEE Std 802.3av™-2009 (11 Sep 09 / 30 Oct 09)*
 - IEEE Std 802.3bc™-2009 (11 Sep 09 / 28 Sep 09)*
 - IEEE Std 802.3at™-2009 (11 Sep 09 / 30 Oct 09)*
 - IEEE Std 802.3-2008/Cor1-2009™ (9 Dec 09 / 1 Feb 10)*
 - IEEE Std 802.3ba™-2010 (17 Jun 10 / 22 Jun 10)*
 - IEEE Std 802.3az™-2010 (30 Sep 10 / 27 Oct 10)

* Available through Get IEEE 802
<http://standards.ieee.org/getieee802/802.3.html>

Note: Dates are Approval date / Publication date

Current project drafts

- IEEE P802.3bf/D3.1 Time Synchronization
 - First Sponsor recirculation ballot draft
- IEEE P802.3bg/D3.1 40Gb/s Single-mode Fiber PMD
 - First Sponsor recirculation ballot draft
- IEEE P802.3.1/D3.1 Ethernet MIB
 - First Sponsor recirculation ballot draft