

# IEEE 802.3 Working Group July 2010 Plenary Week

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# Current IEEE 802.3 activities

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- IEEE P802.3az Energy Efficient Ethernet
- 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 P802.3.1 (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 P802.3az Energy Efficient Ethernet

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- Description
  - Transition to and from low-power use state in response to network demand
  - PHY energy efficiency enhancements for selected PHY types (twisted pair and backplane)
  - Maximize transparency to higher layers
  - Lower power 10BASE-T
- Meeting plan
  - Resolve comments on Sponsor recirculation ballot draft IEEE P802.3az/D3.1

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

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- Description
  - Provide an accurate indication of the transmission and reception initiation times of certain packets as required to support IEEE P802.1AS.
- Meeting plan
  - Prepare for request to proceed to Working Group ballot

# IEEE P802.3.1 Ethernet MIB Task Force

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- 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 Working Group recirculation ballot draft IEEE P802.3az/D2.1

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

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- 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
- Meeting plan
  - Prepare for request to proceed to Working Group ballot

# IEEE 802.3 Maintenance

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- Meeting plan
  - Consider new maintenance requests
  - Consider outstanding maintenance requests
  - Consider IEEE Std 802.3 revision plan

# IEEE 802.3 Officers

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

IEEE 802.3 Vice Chair: Wael 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 P802.3az Energy Efficient Ethernet: Mike Bennett (mjbennett@lbl.gov)

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 Maintenance: Wael Diab (wdiab@broadcom.com)

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



# Preliminary Meeting Plan

	Mon	Tue	Wed	Thu
AM		IEEE P802.3az IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1	IEEE P802.3az IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1	IEEE P802.3az IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1
PM	IEEE 802.3 Opening Plenary	IEEE P802.3az IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1	IEEE P802.3az IEEE P802.3bf IEEE P802.3bg IEEE 802.3.1 Maintenance	IEEE 802.3 Closing Plenary

# IEEE 802.3 Standards

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

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

Note: Dates are Approval date / Publication date

# Current project drafts

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- IEEE P802.3az/D3.1 Energy-efficient Ethernet
  - Sponsor recirculation ballot draft
- IEEE P802.3bf/D1.0 Time Synchronization
  - Working Group preview draft
- IEEE P802.3bg/D1.0 40Gb/s Single-mode Fiber PMD
  - Working Group preview draft
- IEEE P802.3.1/D2.1 Ethernet MIB
  - Working Group recirculation ballot draft