



IEEE 802.3 Working Group March 2007 Plenary Week

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Current IEEE 802.3 activities

-  ~~P802.3ap, Backplane Ethernet~~
 - P802.3ar, Congestion Management
-  ~~P802.3as, Frame Format Extensions~~
 - P802.3at, DTE Power Enhancements
 - P802.3av, 10 Gb/s EPON
 - Higher Speed Study Group
-  • Energy Efficient Ethernet Study Group

P802.3ap Backplane Ethernet

- Define Ethernet operation over electrical backplanes
 - 1Gb/s serial
 - 10Gb/s serial
 - 10Gb/s XAUI-based 4-lane
 - Autonegotiation
- Project is on the March RevCom agenda
- No more meetings planned

P802.3ar Congestion Management

- Proposed modified project documents failed to gain consensus support in July
- Project is basically in stalemate induced inactivity
- Meeting plan
 - Very short meeting planned to evaluate if there is any drive to reconsider project documents

P802.3at DTE Power Enhancements

- Increase the amount of power delivered over twisted pair copper from that specified by IEEE Std 802.3af-2003
 - At least 30 watts
 - Maintain compatibility with 802.3af
- Meeting plan
 - Technical presentations
 - Review consider adoption of proposed draft

P802.3av 10 Gb/s EPON

- Define higher speed Ethernet passive optical network operation
 - Considering symmetrical and asymmetrical (10 Gb/s downstream, 1 Gb/s upstream)
- Working on major architectural decisions
- Meeting plan
 - Technical presentations
 - Adoption of core proposals and concepts

Higher speed (Ethernet) study group

- Evaluate definition of greater than 10 Gb/s MAC data rate and related PHY capability in IEEE Std 802.3
- The Study Group may recommend one or more PARs
- Meeting plan
 - Technical and market potential presentations focused on Five Criteria
 - Drive for consensus on project scope and objectives
 - Work on PAR(s)

Energy Efficient Ethernet study group

- Evaluate methods to reduce energy use by reduction of link speed during periods of low link utilization
- Meeting plan
 - Work on consensus for PAR and Five Criteria content
 - Technical and market potential presentations related to Five Criteria
 - Work on project scope objectives

Officers

- 802.3 Chair: Bob Grow (bob.grow@ieee.org)
 - 802.3 Vice Chair: David Law (david_law@3com.com)
 - 802.3 Exec. Secretary: Steve Carlson (scarlson@esta.org)
 - 802.3 Recording Secretary: Wael Diab (wdiab@cisco.com)
 - 802.3 Treasurer: Brad Booth (bbooth@ieee.org)
 - P802.3ap Backplane Ethernet: Adam Healey (ahealey@agere.com)
 - P802.3ar Congestion Mgt: contact WG Chair
 - P802.3at DTE Power via the MDI Enhancements: Mike McCormack (mike_mccormack@ti.com)
 - P802.3av 10 Gb/s EPON: Glen Kramer (glen.kramer@technovis.com)
 - Higher Speed Ethernet SG: John D'Ambrosia (jdambrosia@force10networks.com)
 - Energy Efficient Ethernet SG: Mike Bennett (mjbennett@lbl.gov)
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Preliminary Meeting Plan

	Mon	Tue	Wed	Thu
AM		P802.3ar P802.3at P802.3av HSSG EEESG	P802.3at P802.3av HSSG EEESG	P802.3at P802.3av HSSG EEESG
PM	802.3 Opening Plenary	P802.3at P802.3av HSSG EEESG	P802.3at P802.3av HSSG EEESG Maint, Interp	802.3 Closing Plenary

Published Standards

- IEEE Std 802.3TM-2005 *
 - IEEE Std 802.3TM/Cor 1-2006 *
 - IEEE Std 802.3anTM-2006
 - IEEE Std 802.3aqTM-2006
 - IEEE Std 802.3asTM-2006
- IEEE Std 1802.3Rev-2001 *

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

Current project drafts

- P802.3ap/D3.3 (Backplane Ethernet)
- P802.3ar/D1.3 (Congestion Management)
- P802.3/Cor2/D1.0 (Corrigendum 2)
- IEEE Std 802.3 Revision (for WG preview)
 - P802.1AX/D0.2 (Link Aggregation)
 - Extracted from IEEE Std 802.3-2005
 - P802.3Rev/D0.2
 - IEEE Std 802.3-2005
 - Merge 802.3an, 802.3ap, 802.3aq, 802.3as, Cor1, Cor2
 - Maint #8