
IEEE 802.3 Working Group November 2007 Plenary Week

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Current IEEE 802.3 activities

- P802.3ar, Congestion Management
- P802.3at, DTE Power Enhancements
- P802.3av, 10 Gb/s EPON
- P802.3az, Energy Efficient Ethernet
- Higher Speed Study Group (proposed P802.3ba)
- 802.3ax / P802.1AX, Link Aggregation
- 802.3ay / P802.3, IEEE Std 802.3 revision



P802.3ar Congestion Management

- Proposed modified project documents failed to gain consensus support in July 2006
- Project is basically in stalemate induced inactivity
- July motion to withdraw the project failed
- Meeting plan
 - Very short meeting to evaluate status and look for a way out of stalemate

P802.3at DTE Power Enhancements

- Increase the amount of power delivered over twisted pair copper from that specified by 802.3af (Clause 33 of IEEE Std 802.3)
 - At least 30 watts at powered device
 - Maintain compatibility with 802.3af
- Meeting plan
 - Technical presentations
 - Review proposed P802.3at/D1.0, close big ticket items

P802.3av 10 Gb/s EPON

- Define higher speed Ethernet passive optical network operation
 - Planning symmetrical and asymmetrical (10 Gb/s downstream, 1 Gb/s upstream)
- Working on significant technical specifications
- Meeting plan
 - Technical presentations
 - Adopt initial draft

P802.3az Energy Efficient Ethernet

- Transition to and from low power consumption in response to network demand
 - Considering zero a link speed
 - PHY enhancements for a selected PHY types to improve energy efficiency
- Meeting plan
 - Organize the task force
 - Consider proposals to meet the scope and purpose of the PAR

Higher speed (Ethernet) study group

- Have decided to define operation at 40 Gb/s and 100 Mb/s MAC data rate with related PHY capability
- The Study Group has recommend one PAR for consideration at this meeting
- Meeting plan
 - Get LMSC approval of P802.3ba PAR
 - Tutorial will be held in support of PAR
 - Presentations within scope of proposed PAR

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@ieee.org)
- 802.3 Secretary: Wael Diab (wdiab@broadcom.com)
- 802.3 Treasurer: Brad Booth (bbooth@ieee.org)

~~• P802.3ar Congestion Mgt: contact WG Chair~~

Preliminary Meeting Plan

	Mon	Tue	Wed	Thu
AM	LMSC Plenary	P802.3ar P802.3at P802.3av P802.3az HSSG	P802.3at P802.3av P802.3az HSSG	P802.3at P802.3av P802.3az HSSG
PM	802.3 Opening Plenary	P802.3at P802.3av P802.3az HSSG	P802.3at P802.3av P802.3az HSSG Maint/Rules	802.3 Closing Plenary
Eve	40/100 GbE tutorial			

Published Standards

- IEEE Std 802.3TM-2005 *
 - IEEE Std 802.3/Cor 1-2006 *
 - IEEE Std 802.3/Cor 2-2007
 - IEEE Std 802.3anTM-2006 *
 - IEEE Std 802.3aqTM-2006 *
 - IEEE Std 802.3asTM-2006 *
 - IEEE Std 802.3apTM-2007
- IEEE Std 1802.3Rev-2001 *

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

Current project drafts

- P802.3ar/D1.3 – Congestion Management
 - No active work at this time
- P802.1AX/D2.0 (Link Aggregation)
 - Part of IEEE Std 802.3 revision
 - Extracted from IEEE Std 802.3-2005
 - Initial Sponsor ballot is open and will close after the meeting
- P802.3/D2.0 (Revision of IEEE Std 802.3)
 - Part of IEEE Std 802.3 revision
 - Merges 802.3an, 802.3ap, 802.3aq, 802.3as, Cor1, Cor2 and Maint #8 into IEEE Std 802.3-2005
 - Initial Sponsor ballot is open and will close after the meeting
- P802.3at/D1.0 (DTE Power Enhancements)
 - In TF review