
IEEE 802.3 Working Group Chair's Report 22 March 2004

Robert M. Grow
Chair, IEEE 802.3 Working Group
bob.grow@ieee.org

www.ieee802.org/3

802.3 Officers

- 802.3 Chair: Bob Grow (bob.grow@ieee.org)
- 802.3 Vice Chair: David Law (david_law@3com.com)
- 802.3 Secretary: Steve Carlson (scarlson@esta.org)
- 802.3ah EFM: Howard Frazier (millardo@dominetsystems.com)
- 802.3an 10GBASE-T: Brad Booth (bradley.booth@intel.com)
- Backplane Ethernet SG: Adam Healey (ahealey@agere.com)
- 10GMMF SG: Bruce Tolley (btolley@cisco.com)

P802.3ah Ethernet in the First Mile

- Extends Ethernet's capabilities for the access market.
 - 100Mb/s and 1000Mb/s point-to-point fiber
 - Local loop copper
 - Ethernet Passive Optical Network
 - Operations Administration and Maintenance
- Met Tue, Wed, Thu morning
 - Resolved all comments from 802.3ah/D3.1 1st sponsor recirculation ballot
 - P802.3ah/D3.2 will incorporate comment resolutions and be distributed as subjecto of 2nd sponsor recirculation ballot

P802.3ak 10GBASE-CX4

- Task Force is now dissolved, no meeting held this week.
- Approved by IEEE Standards Board
- IEEE Std 802.3ak-2004 was published 1 Mar 2004
- Thanks to the Task Force for a job well done!

P802.3REVam

- Primary and alternate plan developed, on primary plan, produce consolidated edition:
 - IEEE Std 802.3-2002 (8 Mar 2002)
 - IEEE Std 802.3ae-2002 (30 Aug 2002)
 - IEEE Std 802.3af-2003 (18 Jun 2003)
 - IEEE Std 802.3aj-2003 (26 Sep 2003)
 - IEEE Std 802.3ak-2004 (1 March 2004)
- Targeting post July Working Group ballot:
 - Consolidated edition
 - P802.3ah final draft (assuming June approval)
- Consolidate 802.3ah into draft for Sponsor Ballot

P802.3an 10GBASE-T

- Extends Ethernet capabilities at 10 Gb/s
 - Operation over horizontal twisted pair
 - New physical layer to run under 803.2ae specified XGMII
- PAR approved prior to meeting
- Met Tues, Wed, Thu morn.
 - Technical presentations posted on web site
 - Handled liaison matters

Backplane Ethernet SG

- Study if 802.3 should define Ethernet operation over backplanes
 - 1Gb/s (e.g., define electrical interface for 1000BASE-X)
 - 10Gb/s (e.g., define electrical interface for 802.3ae PMA)
- Met Tue, Wed, Thu morn.
 - Technical presentations
 - Refined objectives
 - 802.3 and EC approved P802.3ap PAR submission to NesCom

Rate Management SG

- Formation recommended by Backplane Ethernet SG to continue study of possible layer 2 enhancements targeted for improved Backplane Ethernet performance
- Approved by 802.3 and Executive Committee

10 Gigabit over FDDI grade MMF SG

- Extends Ethernet capabilities at 10 Gb/s
 - Operation over installed multimode fiber
 - New physical layer to run under 802.3ae specified XGMII
- Met Tue, Wed, Thu morn.
 - Technical presentations
 - Refined objectives
 - 802.3 and EC approved P802.3ap PAR submission to NesCom

Other Activities

- 10 GMMF tutorial held in support of proposed P802.3aq PAR
- Data Center Ethernet CFI
 - Three presentations (posted on 802.3 web site)
 - Lively discussion
 - Did not result in formation of a study group
- Interpretations, liaison matters, and other business will be detailed in the meeting minutes