

IEEE 802.3 Ethernet Working Group March Plenary Report 17 July 2009

David J. Law, Chair, IEEE 802.3
David_Law@3Com.com

www.ieee802.org/3

IEEE P802.3at DTE Power via MDI Enhancements

- IEEE P802.3at/D4.2 to be submitted to RevCom
 - IEEE P802.3at/D4.2 completed 3rd sponsor recirculation ballot
 - Results
 - 98% Approval rate, 80% Return rate, 4% Abstention rate
 - Three comments received on IEEE P802.3at/D4.2
 - One editorial coordination comment, one out of scope as on unchanged text from Approve voter and one restatement of a previously recirculated unsatisfied comment
- Other items
 - Liaison response letter to IEC TC65/SC65C/JWG10 regarding Power over Ethernet and industrial environments
- PAR extension requested
 - PAR expires December 2009
 - IEEE P802.3at approval contingent of IEEE P802.3bc approval
 - Ensure PAR will not expire due to unexpected delays in either
- Next meeting
 - This Task Force is not expected to meet again

IEEE P802.3av 10Gb/s Ethernet Passive Optical Networks (EPON)

- IEEE P802.3av/D3.4 to be submitted to RevCom
 - IEEE P802.3av/D3.4 completed 3rd sponsor recirculation ballot
 - Results
 - 100% Approval rate, 85% Return rate, 9% Abstention rate
 - No comment received on IEEE P802.3av/D3.4
- Next meeting
 - This Task Force is not expected to meet again

IEEE P802.3az Energy-Efficient Ethernet

- IEEE P802.3az/D2.0 progressed to Working Group Ballot
- Next Steps
 - Draft D2.0 will be sent out for 35 day initial Working Group ballot
- Next meeting at September 2009 interim
 - Review D2.0 comments

IEEE P802.3ba 40 Gb/s and 100 Gb/s Ethernet

- IEEE P802.3ba/D2.1 completed 1st Working Group recirculation ballot
 - Ballot scope was entire draft as initial ballot failed approval rate
 - Results
 - 76% Approval rate, 61% Return rate, 8% Abstention rate
- Resolved comments on IEEE P802.3ba/D2.1
 - Reviewed and processed 423 comments
 - Proceeding to 2nd Working Group recirculation ballot
- Other items
 - Copper cable assembly objective changed to 7m
 - Based on comments received during ballot
- Next meeting at September 2009 interim
 - Respond to 2nd Working Group recirculation ballot comments

IEEE 802.3 Maintenance

- IEEE P802.3-2008/Cor 1 (IEEE 802.3bb)/D1.2 Pause Reaction Delay Corrigendum completed 1st Working Group recirculation ballot
 - Results
 - 98% Approval rate, 51% Return rate, 15% Abstention rate
 - Resolved comments on IEEE P802.3bc/D1.2
 - Reviewed and processed 10 comments
 - Recirculation not required, progressing to Sponsor ballot
- IEEE P802.3bc/D3.0, Ethernet Organizationally Specific TLVs completed initial Sponsor ballot
 - Results
 - 96% Approval rate, 90% Return rate, 5% Abstention rate
 - Resolved comments on IEEE P802.3bc/D3.0
 - Reviewed and processed 22 comments
 - Recirculation required
 - Conditional approval to proceed to RevCom submittal
- Other items
 - Liaison response to ISO/IEC JTC1 SC25 WG3 regarding fibre terminology
 - Agreed to record nomenclature
- Next meeting at September 2009 interim

IEEE P802.3.1 Ethernet MIB

- Progressing to Task Force review
- Discussion of downloadable/machine readable content
 - Definition of precedence
 - File naming convention
 - Web location
- Next meeting at September 2009 interim
 - Review comments from Task Force review

Ethernet support for the IEEE P802.1AS time synchronization protocol call for interest

- Presentations on time sync in mobile backhaul
- Held joint session with IEEE 802.1 AVB on Wednesday afternoon
 - IEEE 802.1 AVB will create a “dot3” focused-tutorial on 802.1AS
 - Established a structure for further co-operation
- Study Group extension approved
- Next meeting at September 2009 interim
 - Presentations
 - Discuss other applications for Time Sync PAR, 5C and Objectives
 - To build consensus for Par, 5C, and Objectives

10GBASE-CR1 Call for Interest

- Vote to form Study Group failed

Working Group information

- Web site
 - <http://www.ieee802.org/3>
- WG and TF documents on web site
 - Presentations
 - Minutes
 - Reflector subscription information
 - Rules, etc.
- Interim TF and SG meeting details posted on web site
 - TFs and SG will meet 21-25 September, Chicago, IL, USA
 - Next WG plenary session, 16-19 November, Atlanta, GA, USA