

IEEE 802.3az Energy Efficient Ethernet

Closing Plenary Report

Atlanta, GA November 16, 2009

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Reflector and Web

To subscribe to the EEE TF reflector, send your request to: <u>ListServ@ieee.org</u>

with the following in the body of the message (do not include "<>"): subscribe stds-802-3-eee <yourfirstname> <yourlastname> end

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http://www.ieee802.org/3/az/reflector.html

Task Force web page URL: <u>http://www.ieee802.org/3/az/</u>

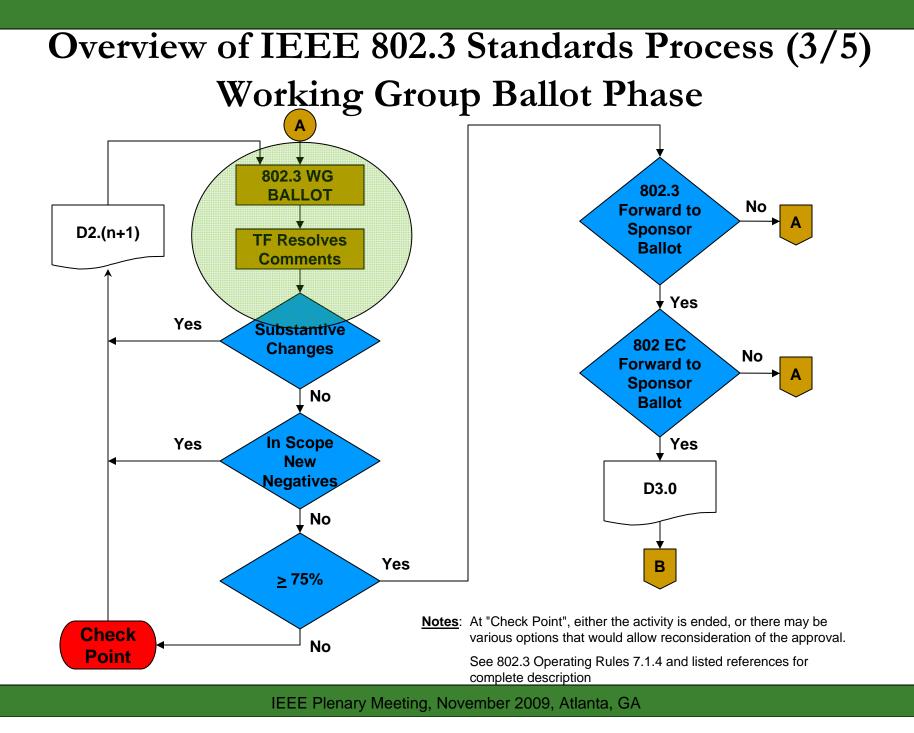
Reflector and Web

Our latest draft is D2.1

Task Force *private* web page URL:

http://www.ieee802.org/3/az/private/index.html

Login: 802.3az Password: xxxxx



Progress at this Meeting

- Processed comments against D2.1
 - □ All comments were considered
 - ☐ In response to comment #258 the Task Force agreed to:
 - Extend LPI signaling across XAUI
 - Specify LPI mode for XAUI based on LPI mode of KX4
- Assigned the task of developing a proposal for 10GBASE-T fast link recovery to the 10GBASE-T ad-hoc
 - Gavin Parnaby is chair of the ad-hoc
 - Meeting announcements will be sent to the P802.3az reflector
 - □ To deliver the complete proposal in time for next ballot

Progress at this Meeting

- Directed editorial team to produce D2.2
- Will include maintenance item #1214 in D2.2 per WG motion
- Big ticket item(s)
 - Remaining unsatisfied negative comments: 19
 - Started with 21, satisfied 8, 6 new

□ 10GBASE-T fast link recovery proposal

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Motions

Motion #02 -

Accept comment resolutions from D2.1 as recorded in the comment database.

Direct the IEEE P802.3az editorial team to generate Draft 2.2, based on Draft 2.1 and the resolution of comments against Draft 2.1.

Request Working Group Chair to Conduct an IEEE 802.3 WG recirculation ballot for P802.3az/D2.2.

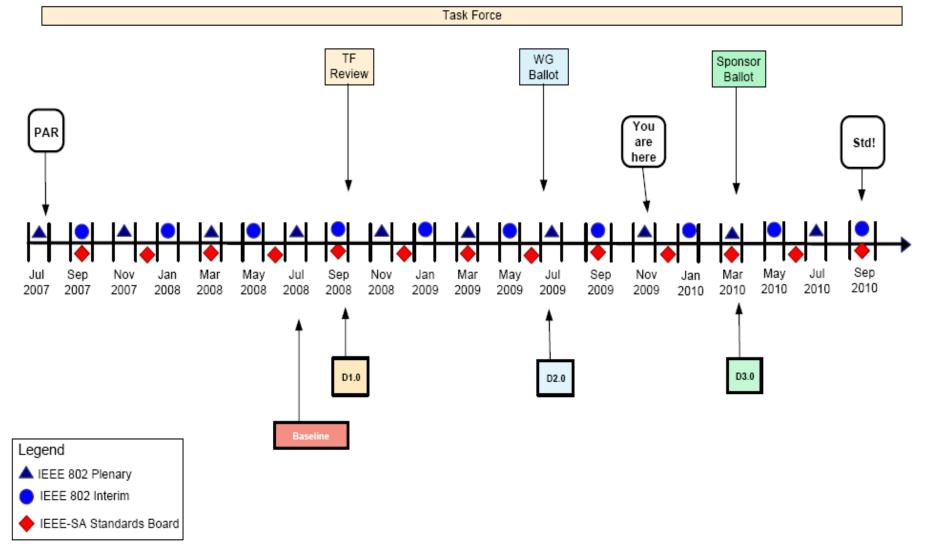
Moved by: J. Barnette Second by: M. Hajduczenia

All Y:20 N:0 A:0 Technical; \geq 75% required to pass Motion passed

Progress at this Meeting

Proposed schedule for recirculation
Begin editing Draft 2.2: 11/19/2009
WG recirc ballot against D2.2 opens: 12/22/2009
WG recirc ballot against D2.2 closes: 1/11/2010
Proposed responses posted: 1/20/2010

802.3az timeline



Objectives

Define a mechanism to reduce power consumption during periods of low link utilization for the following PHYs

- 100BASE-TX (Full Duplex)
- 1000BASE-T (Full Duplex)
- 10GBASE-T
- 1000BASE-KX
- 10GBASE-KR
- 10GBASE-KX4

• Define a protocol to coordinate transitions to or from a lower level of power consumption

- The link status should not change as a result of the transition
- No frames in transit shall be dropped or corrupted during the transition to and from the lower level of power consumption
- The transition time to and from the lower level of power consumption should be transparent to upper layer protocols and applications

Objectives

- Define a 10 megabit PHY with a reduced transmit amplitude requirement such that it shall be fully interoperable with legacy 10BASE-T PHYs over 100 m of Class D (Category 5) or better cabling to enable reduced power implementations.
- Any new twisted-pair and/or backplane PHY for EEE shall include legacy compatible auto negotiation

Thank You!