



IEEE P802.3ap Task Force

Closing Plenary Meeting Report

Denver, CO

March 9, 2006



Task Force Organization

- Task Force Chair
 - Adam Healey (ahealey@agere.com)

- Task Force Secretary
 - John D'Ambrosia (john.dambrosia@tycoelectronics.com)

- Chief Editor
 - Schelto van Doorn (schelto.vandoorn@intel.com)

- Channel Model Ad Hoc Chair
 - Charles Moore (charles_moore@agilent.com)



Editorial Team

Editor	Affiliation	Clause(s), Annex(es)
Schelto van Doorn	Intel	1–44, 70, and 71
Arthur Marris	Cadence	45
Adam Healey Charles Moore	Agere Systems Avago Technologies	69, 69A, 69B
Tom Palkert	Xilinx	72
Pat Thaler	Broadcom	73, 73A
Ilango Ganga	Intel	74, 74A

- Thanks to all volunteers and contributors...



Web and Reflector

- IEEE P802.3ap Task Force web page:

<http://www.ieee802.org/3/ap/>

- To subscribe to the IEEE P802.3ap Backplane Ethernet Task Force reflector send an email to:

listserv@ieee.org

with the following in the body of the message (do not include “<>”):

subscribe stds-802-3-blade <yourfirstname> <yourlastname>

For complete instructions on reflector usage, subscription, and unsubscription:

<http://ieee802.org/3/ap/reflector.html>



IEEE P802.3ap Draft Repository

- IEEE P802.3ap Private Area:

- <http://ieee802.org/3/ap/private/index.html>

- Username: ■ ■ ■ ■ ■

- Password: ■ ■ ■ ■ ■

- The username and password are case-sensitive.
Write them down...



IEEE P802.3ap Task Force Documents

- Approved PAR

<http://standards.ieee.org/board/nes/projects/802-3ap.pdf>

- 5 Criteria

http://ieee802.org/3/ap/802_3_ap_5criteria.pdf

- Objectives

http://ieee802.org/3/ap/802_3_ap_objectives.pdf



IEEE P802.3ap Objectives

- **Preserve the 802.3/Ethernet frame format at the MAC Client service interface.**
- **Preserve min. and max. frame size of current 802.3 Std.**
- **Support existing media independent interfaces.**
- **Support operation over a single lane across 2 connectors over copper traces on improved FR-4 for links consistent with lengths up to at least 1m.**
 - **Define a 1 Gb/s PHY**
 - **Define a 10 Gb/s PHY**
- **Define a 4-lane 10Gb/s PHY for operation over the 802.3ap channel model.**
- **Consider auto-negotiation.**
- **Support BER of 10^{-12} or better.**
- **Meet CISPR/FCC Class A.**



Goals for this Meeting

- Respond to comments against IEEE P802.3ap Draft 2.3
- Approve generation and recirculation of Draft 2.4
- Conditional approval for Sponsor Ballot???



Meeting Snapshot

- Resolved comments against Draft 2.3
 - 59 T and TR comments
- Generate and re-circulate Draft 2.4
- Requesting conditional approval for Sponsor Ballot
 - It is expected that two recirculations will be required to satisfy the conditions



Document Status Update

	Draft							
	2.0B	2.0A	2.1B	2.1A	2.2B	2.2A	2.3B	2.3A
Voters	200	200	200	200	200	200	200	200
Approve	72	79	76	81	84	84	83	88
Disapprove	30	23	31	26	27	27	29	24
Abstain	27	27	27	27	26	26	26	26
Returns	129	129	134	134	137	137	138	138
Comments	782	782	189	189	203	203	122	92
Response Rate	64.50%	64.50%	67.00%	67.00%	68.50%	68.50%	69.00%	69.00%
Approve Rate	70.59%	77.45%	71.03%	75.70%	75.68%	75.68%	74.11%	78.57%
Abstention Rate	20.93%	20.93%	20.15%	20.15%	18.98%	18.98%	18.84%	18.84%



Items Requiring Further Attention

- Interference generator for receiver testing (14)
 - Broadband noise vs. swept sinusoid
- Interference level for receiver testing (17)
 - Correct interference level to correspond with Annex 69B channel recommendations
- 10GBASE-KR transmitter specifications need to be modified to guarantee interoperability (6)
- Channel recommendations need to be modified to guarantee interoperability (5)
- 35 people in the room

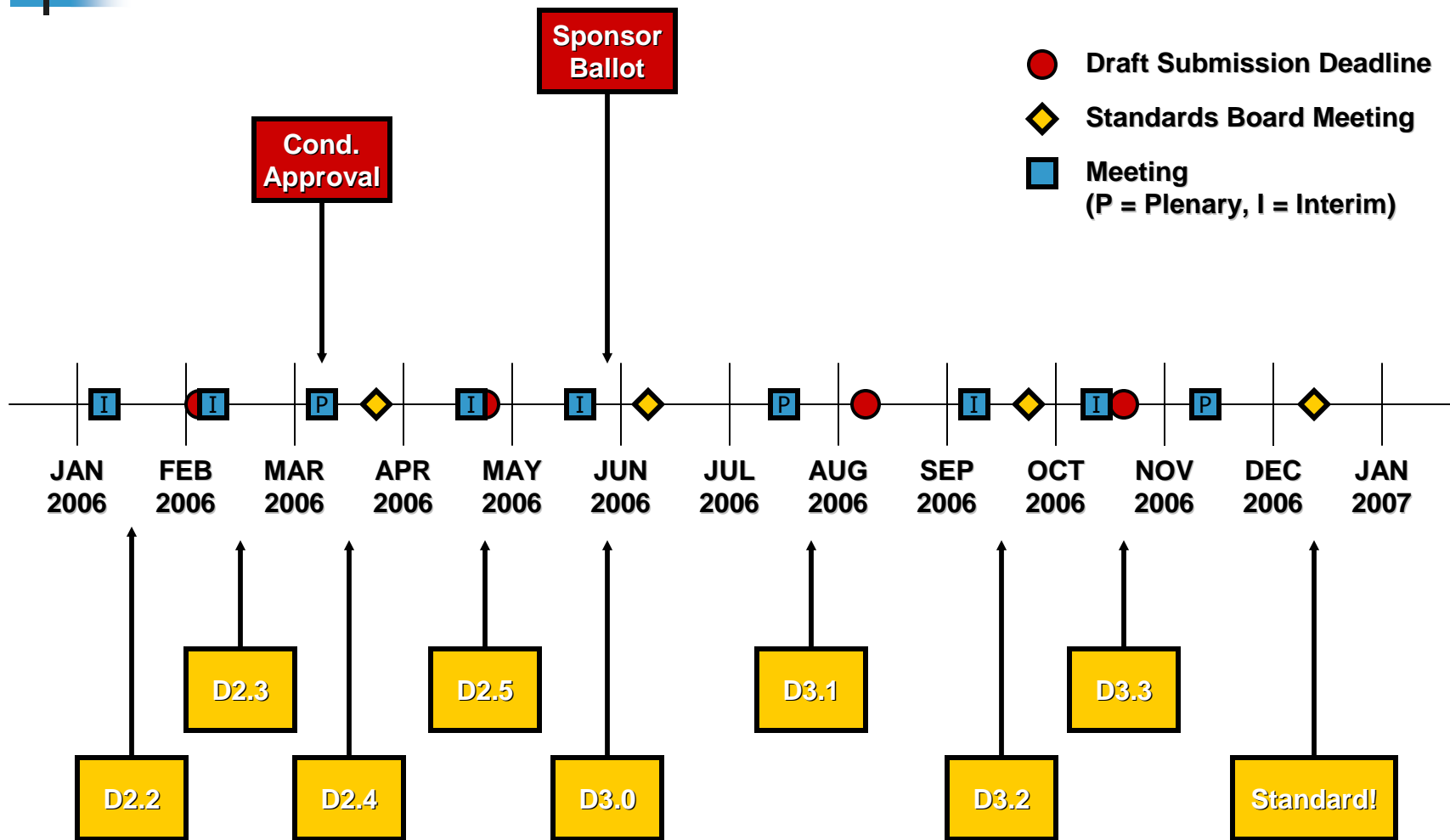


Motion

- **[TF]** Request that the Working Group grant conditional approval, per LMSC P&P clause 20, for the P802.3ap Sponsor Ballot
 - Moved: John D'Ambrosia
 - Seconded: Joe Abler
 - Technical ($\geq 75\%$)
 - (All) Y: __17__, N: __4__, A: __6__
 - (802.3) Y: __14__, N: __4__, A: __6__
 - Motion Passes

- **[WG]** Moved: A. Healey on behalf of the TF
 - Y: __18__, N: __24__, A: __26__
 - Motion Fails

Proposed Timeline





Future Meetings

- May 2006 Interim
 - Date: TBD
 - Location: TBD

- June 2006 Interim (Tentative)
 - Date: TBD
 - Location: TBD

- July 2006 Plenary
 - Date: July 16 – 21
 - Location: Grand Hyatt Manchester, San Diego, CA



Thank you!