



IEEE P802.3ap Task Force

Closing Plenary Meeting Report

Vancouver, BC

November 17, 2005

Adam Healey, Task Force Chair

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Task Force Organization

- Task Force Chair
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- 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](mailto:charles_moore@agilent.com))



Editorial Team

- Front matter, clauses 1–44, 70, and 71
 - Schelto van Doorn, Intel
- Clause 45
 - Arthur Marris, Cadence
- Clause 69 and Annex 69A
 - Adam Healey, Agere Systems
 - Charles Moore, Agilent
- Clause 72
 - Tom Palkert, Xilinx
- Clause 73 and Annex 73A
 - Pat Thaler, Agilent
- Thanks to all volunteers and contributors...



Reflector and Web

- 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 Task Force web page:
<http://www.ieee802.org/3/ap/>
- Channel Model Ad Hoc web page:
http://www.ieee802.org/3/ap/public/channel_adhoc
- Signaling Ad Hoc web page:
http://www.ieee802.org/3/ap/public/signal_adhoc



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/nas/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

- Resolve all remaining comments against IEEE P802.3ap Draft 2.0.
- Approve generation and recirculation of Draft 2.1
- “Big Ticket Items”
 - Forward error correction for 10GBASE-KR
 - DFE Error Propagation (supplemental CRC-8 protection) for 10GBASE-KR
 - Interference tolerance test procedure



Meeting Snapshot

- Resolved all comments against Draft 2.0
- Generate and re-circulate Draft 2.1
- DFE error propagation analysis
 - Most recent studies indicate MTTFPA is acceptable
- Forward Error Correction added as an option for 10GBASE-KR
 - Capability to be advertised via Auto-Negotiation
- Tuning of informative channel model and interference tolerance test procedure



TF Motions

- Move that:

- The Task Force grant editorial license to the P802.3ap editors to respond to unresolved editorial comments on D2.0
- Draft 2.0 and the resolution of comments against Draft 2.0 be used as the basis for the generation of Draft 2.1
- The Task Force recirculate Draft 2.1

M: Moore, S: Szczepanek, Y: 22, N: 0, A: 2
[PASSES]



Draft 2.0 Ballot Update

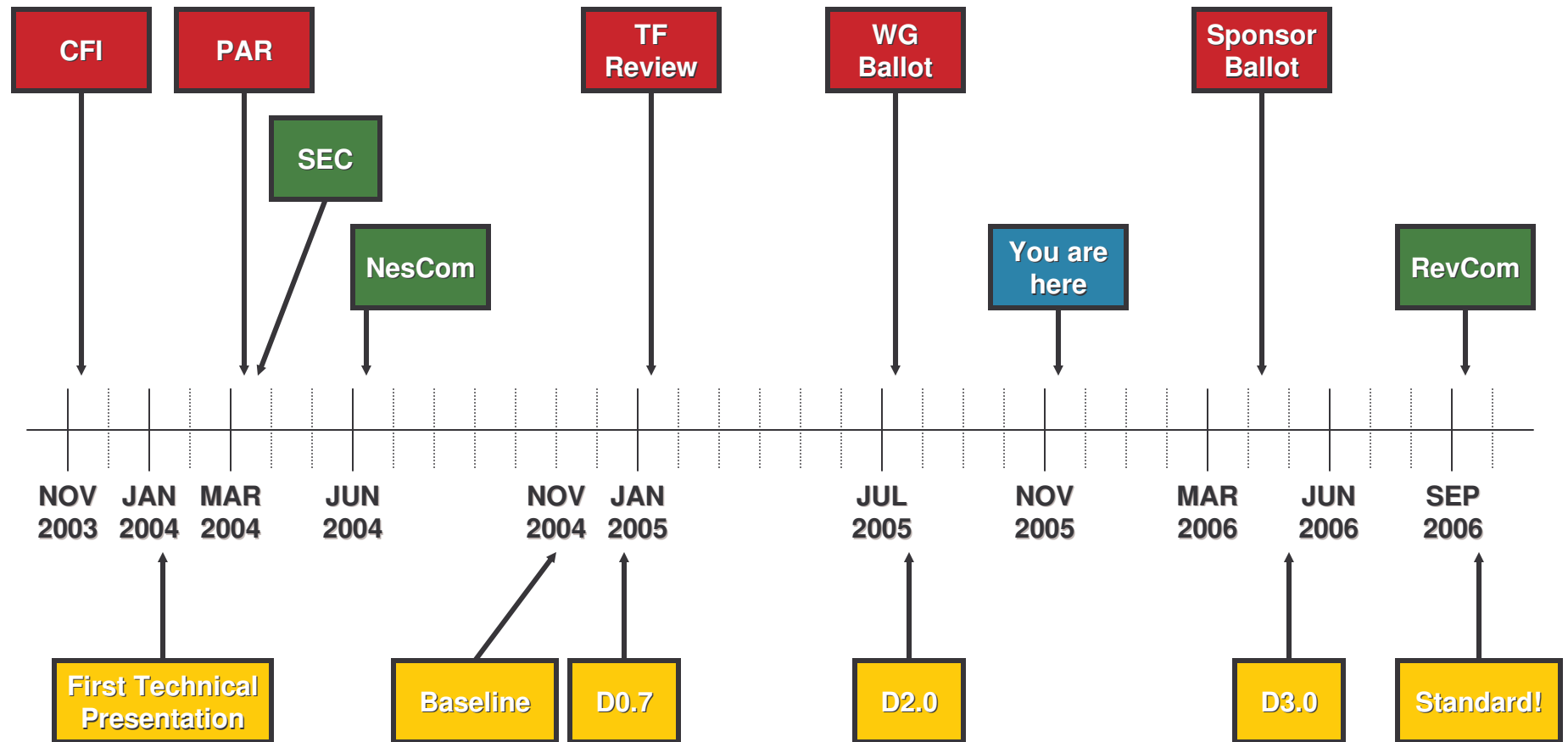
November 14, 2005

VOTERS	200
APPROVE	72
DISAPPROVE	30
ABSTAIN	26
RETURNS	128
RESPONSE RATE	64.00%
APPROVAL RATE	70.59%
ABSTENTION RATE	20.31%

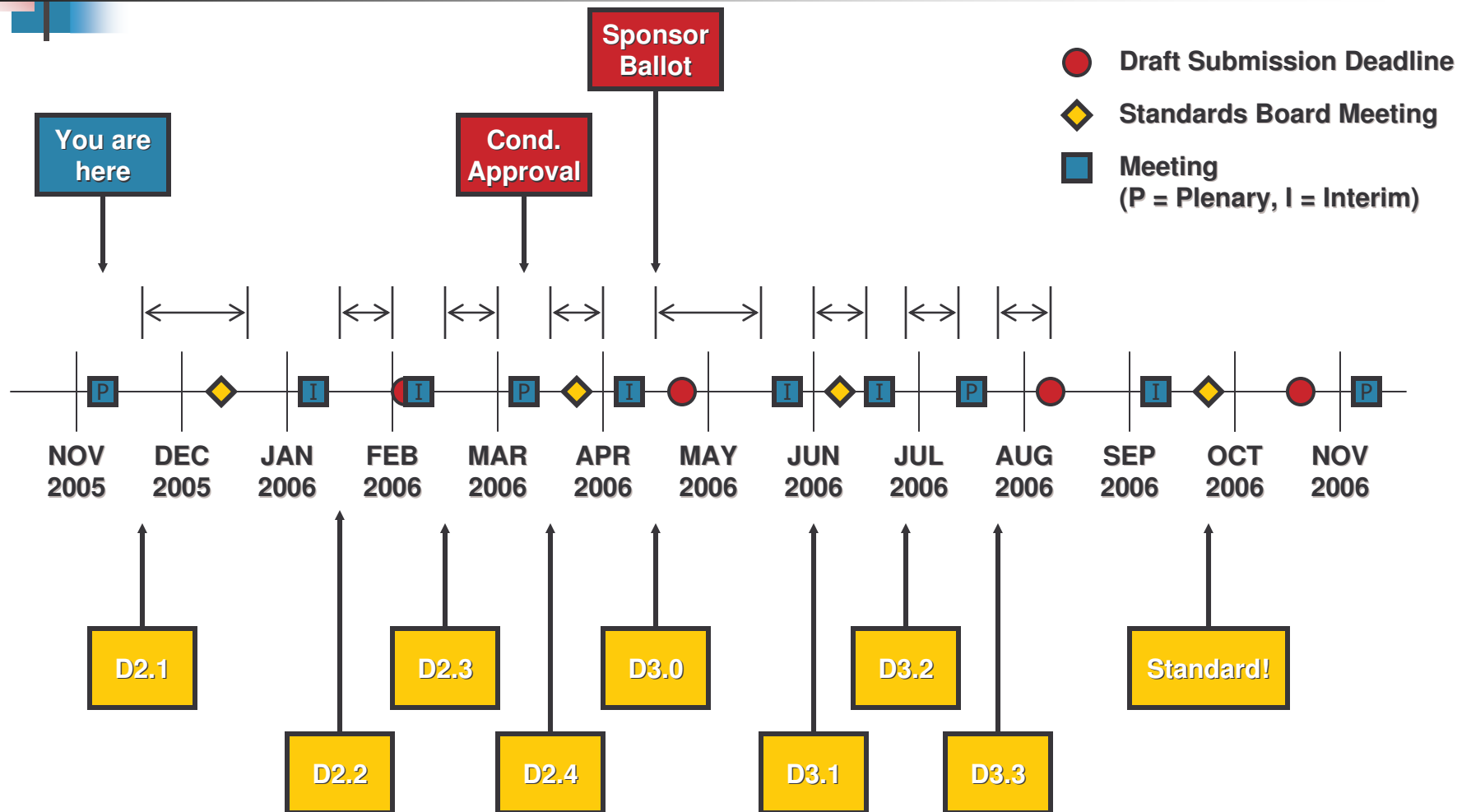
November 17, 2005

VOTERS	200
APPROVE	80
DISAPPROVE	22
ABSTAIN	26
RETURNS	128
RESPONSE RATE	64.00%
APPROVAL RATE	78.43%
ABSTENTION RATE	20.31%

Proposed Timeline



Timeline Detail





Future Meetings

- January 2006 Interim
 - Date: TBD
 - Location: TBD

- February 2006 Interim
 - Target Date: February 2 and 3
 - Location: TBD

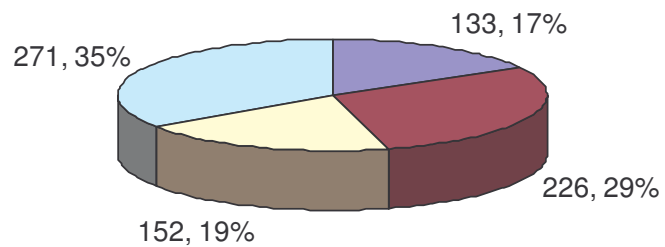
- March 2006 Plenary
 - Date: March 5-10
 - Location: Hyatt Regency Denver, Denver, CO



Thank You!

Draft 2.0 Comment Report

Draft 2.0 Comment Distribution by Type



782 Total Comments

Draft 2.0 Comment Distribution by Clause

