

IEEE P802.3cb 2.5 Gb/s & 5 Gb/s
Backplane and Cable (“CU4HDD”) Task
Force
Opening Report

Yong Kim, Chair
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Macau
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IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane and Cable Project information

Task Force Organization (if officers other than chair)

Yong Kim, Broadcom, IEEE P802.3cb Task Force Chair

Daniel F Smith, Seagate, IEEE P802.3cb Task Force Vice Chair

Daniel F Smith, Seagate, IEEE P802.3cb Arch Ad Hoc Chair

William Lo, Marvell & Yong Kim, Broadcom, P802.3cb TF co-Editor

Task force web and reflector information

Reflector information: <http://www.ieee802.org/3/xx/reflector.html>

Home page: <http://ieee802.org/3/cb/index.html>

PAR: <http://www.ieee802.org/3/cb/P802.3cb.pdf>

CSD: <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0101-00-ACSD-802-3cb.pdf>

Objectives: <http://www.ieee802.org/3/cb/8023cb-objectives.pdf>

Draft timelines: Slide 24 and 25 of

http://www.ieee802.org/3/cb/public/jan16/CU4HDD_TF_agenda_2016-01.pdf

No Private area yet.

IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane and Copper Task Force Activities since November 2015 plenary

Met during the January 2016 interim meeting series

Major items discussed, decisions made and actions

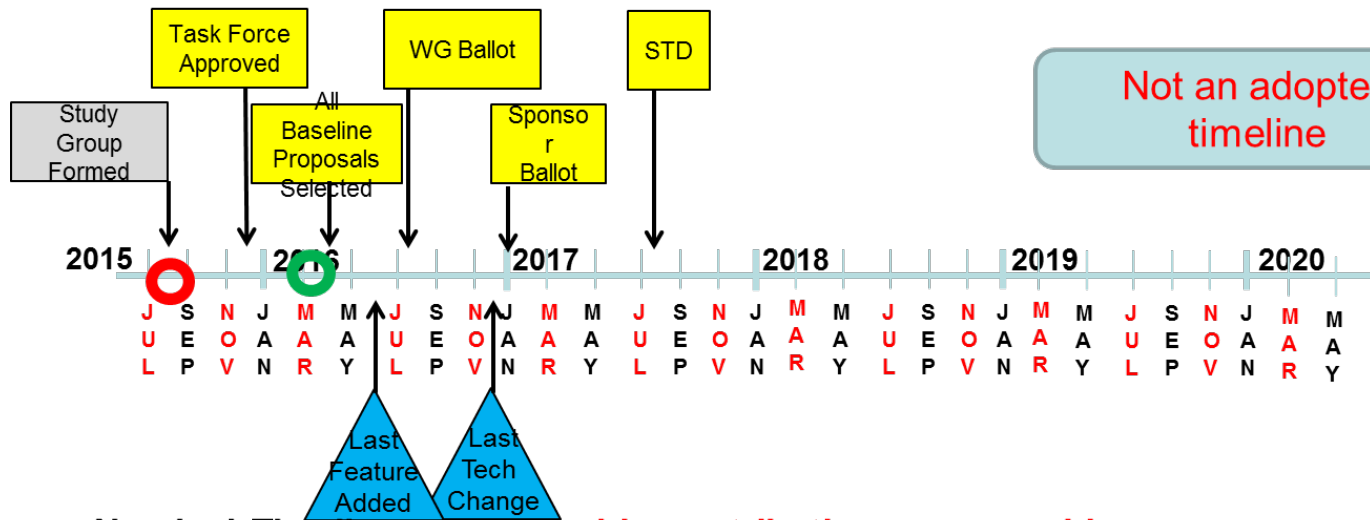
- PCS baseline discussed and proposal adopted
- PMA baseline discussed and proposal adopted
- Auto-negotiation and parallel detect requirements discussed and proposal adopted
- Backplane Channel model proposed and simulations discussed. Proposal adopted and to be refined.

Current status

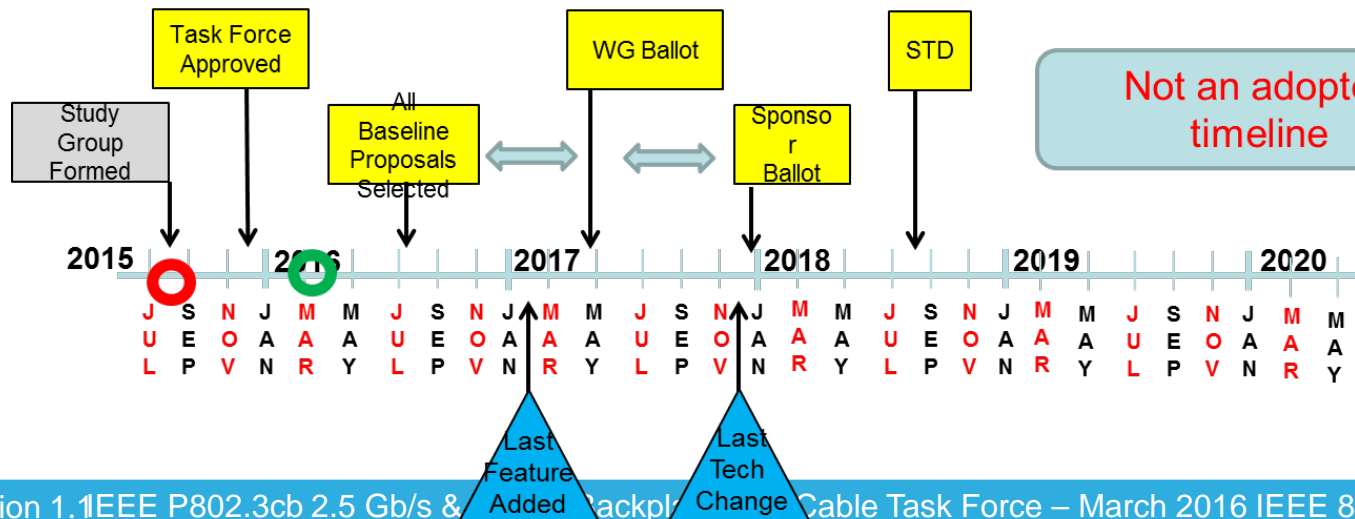
- All technical baseline has been presented, proposed, and accepted, except the PHY use case for direct attached cables. It is very likely that this Task Force will request to vote on PAR, CSD, Objectifies modifications to remove Cable from our scope of work at the closing plenary.
- Draft D0.1 authorized to be written and to be made available at or shortly after March 2016 plenary for TF review prior to May Interim.

IEEE 802.3cb Potential **DRAFT** Timelines

FASTEST Possible Timeline – and achievable –meaningful and timely contributions



Nominal Timeline -- reasonable contributions, reasonable consensus



IEEE P802.3cb 2.5 Gb/s & 5 Gb/s Backplane and Cable Task Force Meeting week plan

Goals for the meeting

- Continue to work on selection of a set of baseline proposals

 - Any refinements to backplane channel model

 - Affirm selected baselines for completeness and overall consistency

- Resource and Task Force timeline planning

- Continue to recruit editing staff

Big ticket items

- No major technical big ticket items (good)

- Identifying longer-term editing staff.

- IEEE 802.3 WG Chair, David Law, indicated that, should he be confirmed to be the 802.3 WG Chair, he will appoint Daniel F. Smith, Seagate, and current vice chair of 802.3cb TF, to be the Task Force Chair.

Questions?

Thank you!