

IEEE 802.3ca 100G-EPON Task Force Closing Report

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IEEE 802.3 100G-EPON Task Force Project Information

Task Force Organization:

Chair: Curtis Knittle, CableLabs

Vice Chair: Glen Kramer, Broadcom

Chief Editor: Marek Hajduczenia, Bright House Networks

Task Force web and reflector information

Reflector information: http://www.ieee802.org/3/ca/3ca_reflector.shtml

Home page: <http://www.ieee802.org/3/ca/index.shtml>

PAR: http://www.ieee802.org/3/ca/documents/P802_3ca_par_approved.pdf

CSD: <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0100-00-ACSD-802-3ca.pdf>

Objectives: http://www.ieee802.org/3/ca/documents/P802_3ca_objectives.pdf

Activities This Week

37 people met for 2 ½ days, covering 34 presentations

Major items discussed:

- Power budgets, channel bonding, PMD, wavelength plans, coexistence

Passed three (3) technical motions, held three (3) straw polls

Technical Motions

The Task Force agrees that “10G-EPON” in our Objectives means 10/10G-EPON and specifically does not include 10/1G-EPON. Furthermore, “concurrent operation” applies to either TDM or WDM coexistence.

Accept upstream channel bonding in Reconciliation Sublayer as presented in [kramer_3ca_3c_0716.pdf](#) with the modification that includes just-in-time FEC codeword prefetch. Develop similar mechanism for downstream. This motion supersedes motion #6 from Macau.

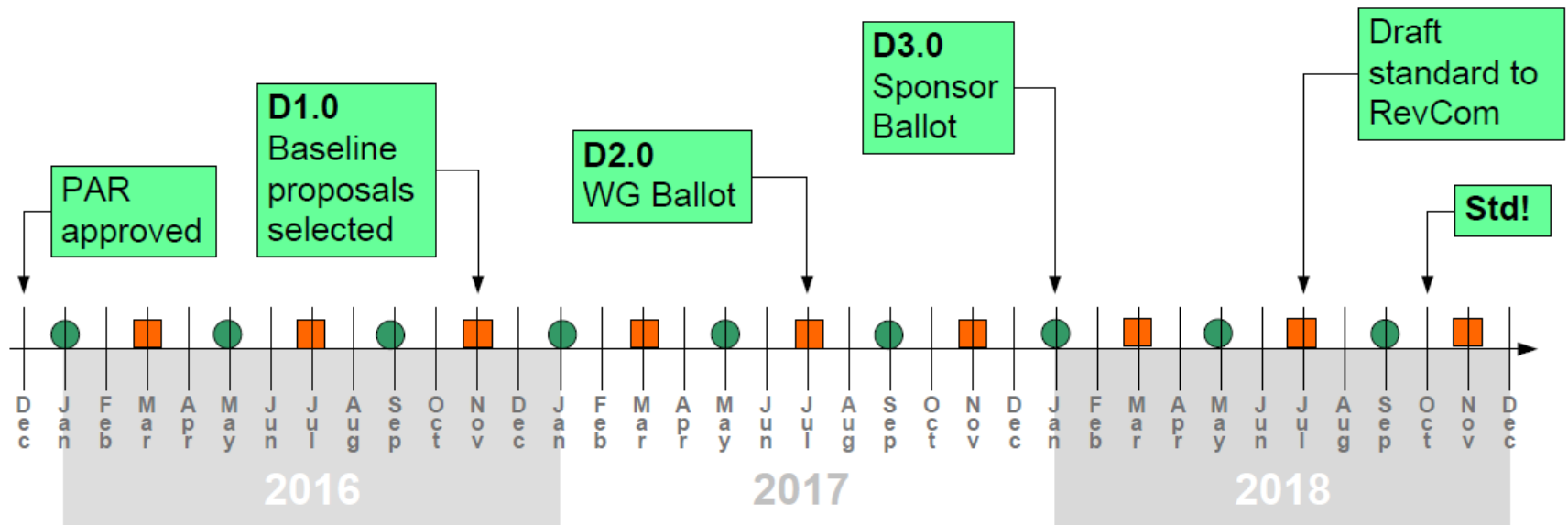
Accept names for the PHYs as shown in [kramer_3ca_4b_0716.pdf](#), slide #7.

PHY Names (Motion #10)

	Downstream Lanes	Upstream Lanes
25/10GBASE-PR	1	1 (10Gb/s)
25GBASE-PR	1	1
50/25GBASE-PR	2	1
50GBASE-PR	2	2
100/25GBASE-PR	4	1
100/50GBASE-PR	4	2
100GBASE-PR	4	4

IEEE 802.3ca 100G-EPON Task Force Adopted Timeline

IEEE P802.3ca Timeline



- - 802.3 Interim Meeting
- - 802.3 Plenary Meeting

Questions?

Thank you!