

IEEE 802.3ca 100G-EPON Task Force Opening Report

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IEEE 802.3ca 100G-EPON Task Force Project Information

Task Force Organization:

Chair: Curtis Knittle, CableLabs

Vice Chair: Glen Kramer, Broadcom

Chief Editor: Marek Hajduczenia, Charter

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

IEEE 802.3ca 100G-EPON Task Force Activities since November 2017 plenary

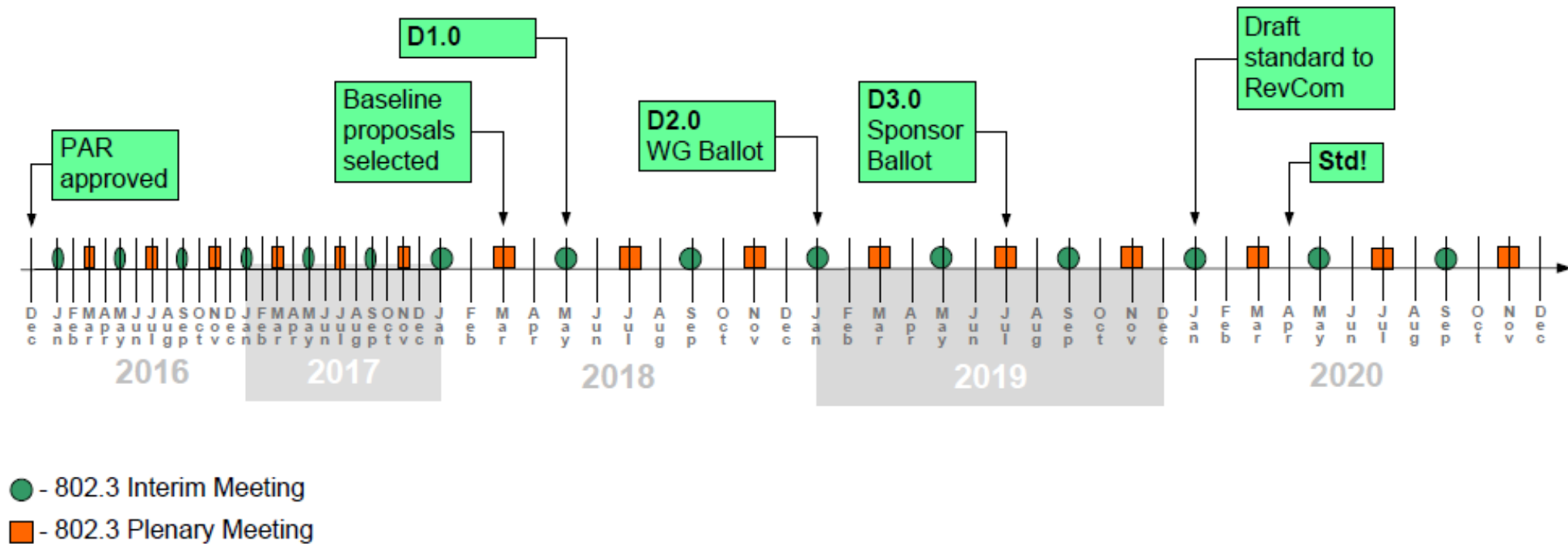
Met during the January 2018 interim meeting series

Major items discussed, decisions made, and actions:

- Upstream/downstream line code – 256B/257B
- PCS Transmit and Receive state diagrams, Scrambler
- Assignable sync pattern and burst delimiter announcement
- MAC data rate to line rate adjustment mechanism
- Transmitter launch power and receiver sensitivity values
- Normative transmitter power and penalty specifications
- Normative specification of minimum launch power and the maximum TDP
- Upstream/downstream FEC – LDPC, parity code matrix, interleaver
- Shifted wavelength for US0-A
- Wavelength for upstream channel US1

IEEE 802.3ca 100G-EPON Task Force Adopted Timeline

IEEE P802.3ca Timeline



IEEE 802.3ca 100G-EPON Task Force Meeting Week Plan

Meeting times:

- Monday: 1:00 pm – 6:00 pm
- Tuesday: 8:00* am – 6:00 pm
- Wednesday: 8:00* am – 12:00 pm

Goals for the meeting

- Review ~19 contributions
- Continue toward selecting baseline proposals

Big ticket items

- Downstream wavelength plan
- Power budgets, receiver sensitivities
- PCS
- FEC

Questions?

Thank you!