

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, 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

Activities This Week

- 38 people met for 2 ½ days, covering 24 presentations
- Major items discussed:
 - MPRS, wavelength plan, coexistence, four wave mixing, timeline
- Passed five (5) technical motions
- Discussed one Liaison from BBF

Technical Motions

The 802.3ca standard shall specify that all 100G ONUs and OLTs use the same four wavelength pairs, one of which is the same wavelength pair as used by 25G ONUs and OLTs (“1+3” solution).

Adopt the modified state diagrams for ONU MPRS Input and Transmit Processes as presented in [kramer_3ca_1a_1116.pdf](#).

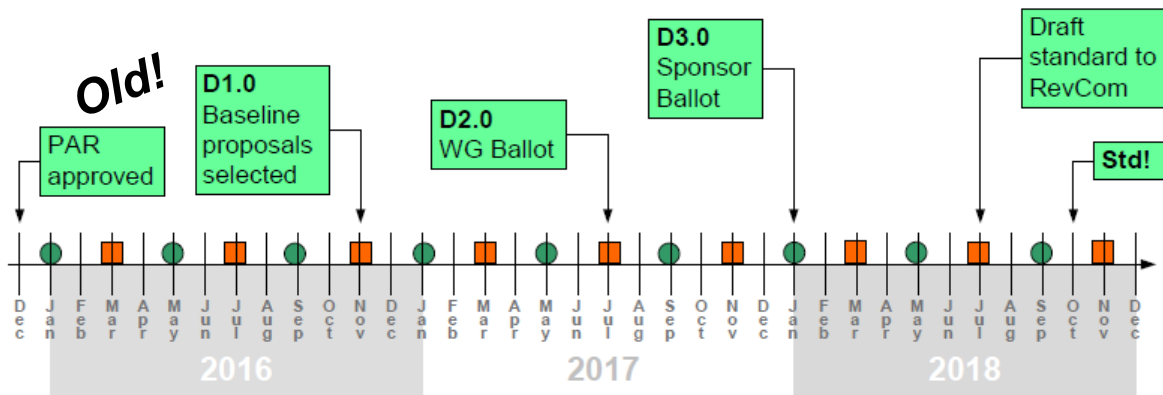
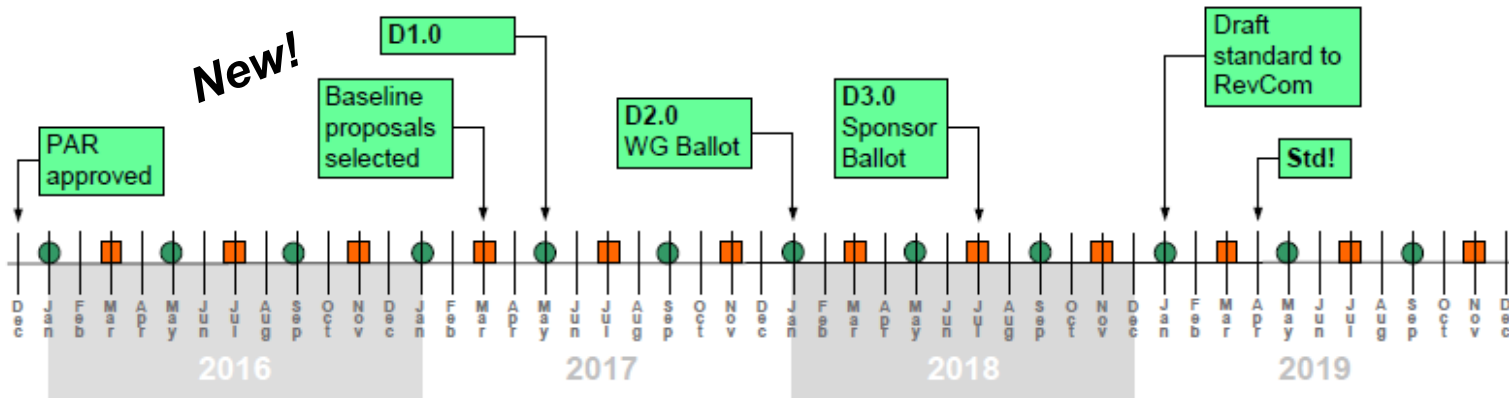
Adopt the state diagrams for ONU MPCP Gate Reception Input and Envelope Activation Processes as presented in [kramer_3ca_2a_1116.pdf](#).

Adopt the state diagrams for OLT MPRS Receive and Output processes as presented in [kramer_3ca_3b_1116.pdf](#).

To reduce the Four Wave Mixing penalty at high power, disallow any equally-spaced wavelength plan where more than one wavelength is located within the zero-dispersion range.

IEEE 802.3ca 100G-EPON Task Force New Adopted Timeline

IEEE P802.3ca Timeline



Questions?

Thank you!