

# IEEE P802.3db Short Reach Fiber TF Report

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OFS

Plenary Teleconference

03/11/2021

# IEEE P802.3db Short Reach Fiber Project information

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## Task Force Organization

Robert Lingle, Jr., Task Force Chair

Mabud Choudhury, Task Force Secretary

Earl Parsons, Editor

Ramana Murty, Editor

## Task force web and reflector information

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

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

PAR: [http://ieee802.org/3/db/P802d3db\\_PAR.pdf](http://ieee802.org/3/db/P802d3db_PAR.pdf)

CSD: <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0097-01-ACSD-p802-3db.pdf>

Objectives: [https://www.ieee802.org/3/db/P802d3db\\_Updated\\_Objectives\\_Approved\\_November\\_2020.pdf](https://www.ieee802.org/3/db/P802d3db_Updated_Objectives_Approved_November_2020.pdf)

# IEEE P802.3db Short Reach Fiber Activities since November 2020 plenary

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- Short Reach Fiber Task Force
  - Held a regular cadence of biweekly teleconferences
  - Held Interim TF Telecons on 1/21, 2/18, and 3/4
- Heard baseline proposal on 12/17/2020
- Heard contributions & debated baseline proposal January & February 2021
- Adopted baseline proposal with TBD's and Editors' Notes on February 18<sup>th</sup>
  - Baseline [https://www.ieee802.org/3/db/public/February21/murty\\_3db\\_01b\\_021821.pdf](https://www.ieee802.org/3/db/public/February21/murty_3db_01b_021821.pdf)
- Selected “V” as the letter to identify the 50m PMDs, while “S” continues to identify the 100m PMDs, e.g. 400GBASE-VR4

# IEEE P802.3db Short Reach Fiber Meeting week plan

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TF Interim Telecon Tuesday March 16<sup>th</sup>, 10am Eastern time

- Webex Info <https://www.ieee802.org/3/calendar.html>

## Goals for the meeting

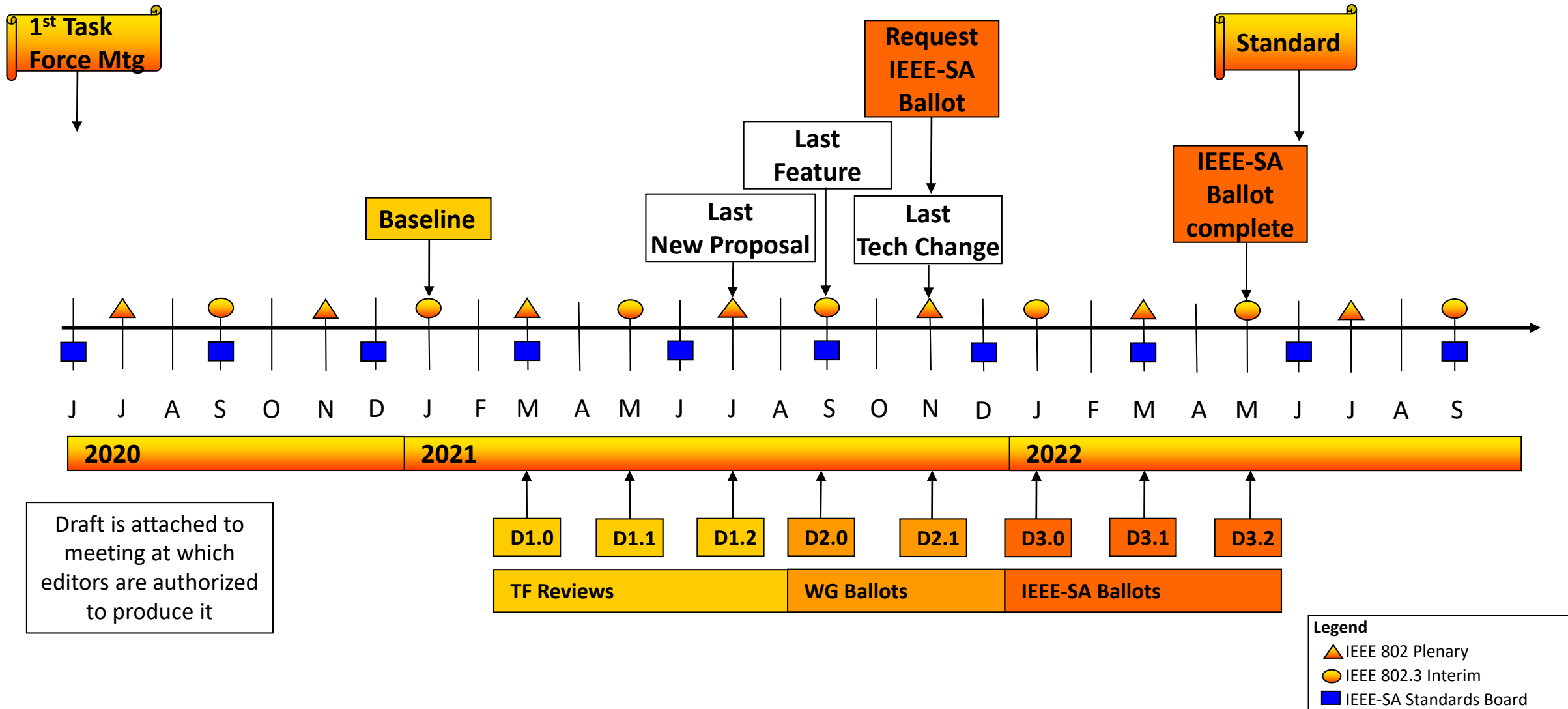
- Review D0.1
- Resolve TBDs

## Big ticket items

- Contribution and selection of MDI options remain outstanding
- Choosing TDECQ and # taps (5 to 9) in Ref EQ to minimize cost & power for the 50m VR PMDs
- Wavelength range for the 50m VR PMDs – should it allow 940nm Tx, in addition to 850nm?
- Range of suggested values for the Rx sensitivity varies by 0.4 dB

# IEEE P802.3db Task Force Timeline

Adopted by TF November 2020



Questions?

Thank you!