

**IEEE 802 Mar 2022  
Electronic Plenary**

**IEEE 802.3 Ethernet WG  
Closing Plenary  
17 Mar 2022**

**IEEE 802.3df  
200 Gb/s, 400 Gb/s, 800 Gb/s,  
and 1.6 Tb/s Task Force  
Closing Report**



# IEEE P802.3df Task Force Project information

## ■ Organization

- John D'Ambrosia, Chair, IEEE P802.3df Task Force
- Mark Nowell, Vice-Chair, IEEE P802.3df Task Force

## ▪ Task force web and reflector information:

- Home page: <https://www.ieee802.org/3/df/index.html>
- Reflector Info - <https://www.ieee802.org/3/df/reflector.html>
  - TF Reflector: [stds-802-3-b400g@listserv.ieee.org](mailto:stds-802-3-b400g@listserv.ieee.org)
  - Logic Reflector: [stds-802-3-b400g-logic@listserv.ieee.org](mailto:stds-802-3-b400g-logic@listserv.ieee.org)
  - Optical Reflector: [stds-802-3-b400g-optx@listserv.ieee.org](mailto:stds-802-3-b400g-optx@listserv.ieee.org)
  - Electrical Reflector: [stds-802-3-b400g-elec@listserv.ieee.org](mailto:stds-802-3-b400g-elec@listserv.ieee.org)

## ▪ Project Documentation –

- PAR : [https://www.ieee802.org/3/df/proj\\_doc/IEEE\\_P802.3df\\_PAR\\_11122021.pdf](https://www.ieee802.org/3/df/proj_doc/IEEE_P802.3df_PAR_11122021.pdf)
- CSD: <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0306-00-ACSD-p802-3df.pdf>
- Objectives: [https://www.ieee802.org/3/df/proj\\_doc/objectives\\_P802d3df\\_211118.pdf](https://www.ieee802.org/3/df/proj_doc/objectives_P802d3df_211118.pdf)

## ▪ P802.3df TF meeting information may be found on:

- Public page: <https://www.ieee802.org/3/df/public/index.html>
- 802.3 Calendar: <https://www.ieee802.org/3/calendar.html>

# 802.3df Mar Plenary Activities

- ❑ **Three meetings during Mar Plenary (part of Mar 2022 Session)**
  - ❑ **08 Mar 2022, 9am to 12pm, ET**
  - ❑ **15 Mar 2022, 10am to 1pm, ET**
  - ❑ **16 Mar 2022, 10am to 1pm, ET**
- ❑ **Heard 12 technical presentations**
- ❑ **Following Decisions (passed by unanimous consent)**
  - **Approved proposed response** to OIF liaison (800LR)
  - **Approved adoption of new objective** – “Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of SMF with lengths up to at least 2 km”
  - **Adopted 100G-based AUI/KR/CR Objectives Baseline** – “Move to adopt the eight-lane 800GbE electrical interfaces and PMDs, per lusted\_3df\_01a\_220315.pdf, slides 4-6”
  - **Adopt 100G-based MMF Objectives Baseline** – “Adopt slide 8 of murty\_3df\_01a\_220315.pdf as baselines for 800GBASE-VR8 and 800GBASE-SR8 PMDs.”
  - **Adopted modulation format for 200Gbps / lane for 500m and 2km SMF Reach objectives** – “Move to adopt PAM4 optical modulation as the basis for all the 200 Gb/s per lane 500m and 2km SMF reach objectives.”

# WG Motion

<b>Motion</b>	<p>Move that the IEEE P802.3 Working Group approve:</p> <ul style="list-style-type: none"><li>• IEEE_802d3_to_OIF_3df_0315_draft.pdf</li></ul> <p>with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to OIF.</p>
Technical (>= 75%)	
<b>Moved by</b>	John D'Ambrosia
<b>Second by</b>	Mark Gustlin
<b>Results 802.3 (y/n/a)</b>	

# WG Motion

<b>Motion</b>	<b>Move that the IEEE 802.3 Working Group approve the addition of the IEEE P802.3df objective –</b> <ul style="list-style-type: none"><li>Define a physical layer specification that supports 400 Gb/s operation over 4 pairs of SMF with lengths up to at least 2 km</li></ul>
<b>Technical (&gt;= 75%)</b>	
<b>Moved by</b>	John D'Ambrosia
<b>Second by</b>	Mark Gustlin
<b>Results 802.3 (y/n/a)</b>	

# Next Activities

- **Additional meetings will happen on 22 Mar and 29 Mar to hear another 7 technical presentations**
  
- **May 2022 Session**
  - 17 May 2022, 10am to 1pm ET
  - 18 May 2022, 10am to 1pm ET
  - 24 May 2022, 10am to 1pm ET
  - 02 Jun 2022, 10am to 1pm ET
  
- **Future Ad hoc Meetings**
  - **Architecture and Logic Ad hoc**
    - 25 Apr 2022, 10am to 12pm, ET, Call Info
    - 11 Apr 2022, 10am to 12pm, ET, Call Info
  - **Electrical Ad Hoc**
    - 02 May 2022, 10am to 12pm, ET, Call Info
    - 18 Apr 2022, 10am to 12pm, ET, Call Info
  - **Optics Ad Hoc**
    - 27 Apr 2022, 10am to 12pm, ET, Call Info
    - 14 Apr 2022, 10am to 12pm, ET, Call Info

**THANK YOU!**

