

**IEEE 802 Mar 2022
Electronic Plenary**

**IEEE 802.3 Ethernet WG
Opening Plenary
07 Mar 2022**

**IEEE 802.3df
200 Gb/s, 400 Gb/s, 800 Gb/s,
and 1.6 Tb/s Task Force
Opening 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**
 - **Logic Reflector: stds-802-3-b400g-logic@listserv.ieee.org**
 - **Optical Reflector: stds-802-3-b400g-optx@listserv.ieee.org**
 - **Electrical Reflector: 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**
 - **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**
- **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>**
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Activities Since Nov 2021 Plenary

- **Dec 2021 – IEEE SA Project Approval**
- **Jan 2022 (1/11, 1/18)**
 - **161 Attendees**
 - **7 Presentations**
 - **Introductory / Level Setting**
 - **1 Liaison to ITU-T (Bi-directional Optics) Approved**
 - **Adopted nomenclature targeting “AUI, BP, Cu cable, MMF 50m and MMF 100m columns of lusted_3df_01_220111.pdf, slide 25”**
- **Feb 2022 (2/3, 2/15, 2/22, 2/24)**
 - **162 Attendees**
 - **16 Technical Presentations**
 - **Adopted 2 baselines**
 - **A. The “800G-DR8” proposal in welch_3df_01a_220222 as a baseline (800 GbE, over 8 pairs SMF, >=500m)**
 - **B. The “800G-DR8+” proposal in welch_3df_01a_220222 as a baseline (800 GbE, over 8 pairs SMF, >=2km)**
 - **Other Items of Interest**
 - **Potential 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”**
 - **General support for PAM4 “as the modulation type for 200G/L solutions at 500m and 2km reaches”**
 - **3 ad hocs announced: 1) Architecture and Logic; 2) Electrical; 3) Optics**

802.3df Mar Plenary Plans

- **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**

- **Will hear 12 technical presentations**

- **Consider proposed response to OIF liaison**

- **Consider 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**

Additional meetings will happen on 22 Mar and 29 Mar to hear another 9 technical presentations

THANK YOU!

