

IEEE 802 July 2024

**IEEE 802.3 Ethernet WG
Closing Plenary
18 July 2024**

**IEEE P802.3dj
200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s
Ethernet Task Force
Closing Report**

**John D'Ambrosia
Chair, IEEE P802.3dj TF
Futurewei, U.S. Subsidiary of Huawei**



IEEE P802.3dj Task Force Project information

- **Organization**

- John D'Ambrosia, Chair, IEEE P802.3dj Task Force
- Mark Nowell, Vice-Chair, IEEE P802.3dj Task Force; Chair, Optics Track
- Kent Lusted, Secretary, Chair, Electrical Track
- Gary Nicholl, Chair, Architecture and Logic Track
- Matt Brown, IEEE P802.3dj Chief Editor

- **Task force web and reflector information:**

- Home page: <https://www.ieee802.org/3/dj/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/dj/projdoc/P802d3dj_PAR.pdf
- CSD: <https://mentor.ieee.org/802-ec/dcn/22/ec-22-0256-00-ACSD-p802-3dj.pdf>
- Objectives: https://www.ieee802.org/3/dj/projdoc/objectives_P802d3dj_230518.pdf
- Adopted Timeline: https://www.ieee802.org/3/dj/projdoc/timeline_3dj_230116.pdf

Activities This Week

- **A busy week**
 - Jul 2024 Webpage - https://www.ieee802.org/3/dj/public/24_07/index.html
 - Heard 42 technical presentations
 - Split into parallel tracks on Tuesday to cover all the work (will be necessary in future meetings)
- **Good Progress!!!! - Consensus (Architectural, Copper, Optical) generated!**
 - Logic:
 - Review and consensus formed on handling Time Sync and inner FEC (CI 177) deskew in next draft
 - Optics:
 - SMF Chromatic Dispersion - strong consensus on path forward reconciling ITU-T work and IEEE work. Straw poll 50:5 in support
 - Coherent TQM topic - ITU-T liaison identifies clear path forward. Planned collaborative work ahead to form a complete proposal
 - Electrical:
 - MLSD reference receiver selected for CR and KR PHYs. Strong support (Y: 38, N: 10)
 - AUI C2C reference receiver parameters. Strong support (Y: 27, N: 7) for proposed values. Refinement expected going forward
 - CR/KR COM parameter values - Strong support for first set of proposed values (Y:73, N:2) and for remaining values (Y: 63, N: 4, NMI: 17). Refinement expected going forward

Activities This Week (cont'd)

- **Liaisons**

- Considered 4 liaisons (2x OIF, 2x ITU-T)
 - Generated and approved responses to both OIF liaisons
 - regarding P802.3dj Coherent PHYs (including PTP);
 - regarding CEI 224G-LR
 - After review, response to both ITU-T liaisons deferred to a later meeting
 - regarding G.652 SMF chromatic dispersion
 - regarding coherent TQM and reference receiver definition

- **Editorial team reviewed changes made in D1.1 with Task Force**

Going Forward

IEEE P802.3dj 2nd Task Force Review (D1.1)

- Opens - Thursday, 11 July 2024
- Closes - Friday 09 August 2024, 11:59 PM AOE
- Scope – Entire Document
- Details - <https://www.ieee802.org/3/B400G/email/msg01205.html>

Next Task Force Meeting

- IEEE 802.3 Sept 2024 Interim, Week of Sept 16-20, 2024 - Hamburg, Germany
 - Agenda – address comments submitted against 1.2
- Conditional Electronic Meetings to be scheduled after Sept Interim Mtg for additional time for comment consideration

Ad Hoc Meetings

- Logic - To be announced
- Electrical (9:30am-12:30pm ET): 01 Aug, 22 Aug
- Optics (10am - 1pm ET): 29 Aug
- COM (10am - 10:30am ET): 30 Jul, 13 Aug, 27 Aug

Generating D1.2 out of Sept - Project & Timeline will be re-evaluated at that time

WG Motion

Motion	<p>Move that the IEEE 802.3 Working Group approve:</p> <ul style="list-style-type: none">• IEEE_802d3_to_OIF_3dj_2407_CEI-224G_Redacted.pdf• IEEE_802d3_to_OIF_3dj_2407_coherent_Redacted.pdf <p>with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to OIF.</p>
Technical (>= 75%)	
Moved by	John D'Ambrosia
Second by	Kent Lusted
Results 802.3 (y/n/a)	

THANK YOU!

