



Language for motions at January 2024 Interim Meeting

IEEE P802.3cw, IEEE P802.3df and P802.3dj Task Force Joint Meeting
January 2024 Interim

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Pages in this document were used by reference in various motions. Not all pages were referred to but the pages are left here to maintain the correct page numbers for reference. Please see the minutes and motions for details. If there is any discrepancy between this contribution and the meeting minutes, then the minutes take precedence.

Coherent proposal (SP14)

Adopt:

- O-band based optical baseline for 800GBASE-LR1 (maniloff_3dj_01a_2401)
- Logic baseline for 800GBASE-ER1 logic baseline proposal (nicholl_3dj_02a_2307)
- Optical baseline for 800GBASE-ER1 (williams_3dj_01a_2305 pgs 7-10)
- Add new 20km objective:
 - Define a physical layer specification that supports 800 Gb/s operation over a single SMF in each direction with lengths up to at least 20 km

Elec baseline (SP3)

Adopt the:

- Baseline proposal for CR PMDs: ran_3dj_01a_2401.pdf, Slides 5-9 (test fixtures for the CR PHYs are TBD.)
- Baseline proposal for KR PMDs: ran_3dj_01a_2401.pdf, Slides 11-15
- Baseline proposal for AUI-C2C: ran_3dj_01a_2401.pdf, Slides 17-21
- Baseline proposal for AUI-C2M: ran_3dj_01a_2401.pdf, Slides 23-28

MLSE (SP7)

Adopt the MLSE COM calculations based on equation U1.c in shakiba_3dj_01b_2401 slide 11 (with implementation penalty TBD) for the purpose of evaluating COM performance on channels (200G/lane electrical interfaces and electrical PMDs using MLSE are TBD.)

Training C2C (SP10)

adopt in-band training for PMAs with physically instantiated chip-to-chip interfaces (AUI-C2C) at 200 Gb/s per lane, based on 162.8.11 (IEEE Std. 802.3ck-2022) with training frame bit assignments and state diagrams TBD

Training C2M (SP9)

adopt in-band training for PMAs with physically instantiated chip-to-module interfaces (AUI-C2M) at 200 Gb/s per lane, based on 162.8.11 (IEEE Std. 802.3ck-2022) with training frame bit assignments and state diagrams TBD

Bucket

- adopt the reference receiver framework baseline in healey_3dj_01_2401.pdf, slides 5-15
- adopt a PMD control function based on 162.8.11 (IEEE Std. 802.3ck-2022) for 200G/lane Backplane and Copper Cable PMDs, with max_wait_timer = TBD
- adopt the updated parameter values for Class B packages per benartsi_3dj_01_2401 slide 7
- adopt the AN73 baseline proposal in lusted_3dj_04_2401, slides 6-14
- adopt in-band training for PMAs with physically instantiated chip-to-chip interfaces (AUI-C2C) at 200 Gb/s per lane, based on 162.8.11 (IEEE Std. 802.3ck-2022) with training frame bit assignments and state diagrams TBD