

Adopted PHY baselines

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PHY baseline motions

9/17/2024:

- **Motion #6: Move that the IEEE P802.3dg Task Force adopt slides 2, 3, and 4 of [murray_3dg_02_09172024.pdf](#)**
 - Slides 2 & 3 are a 33-bit side stream PCS Tx scrambler, based on 40.3.1.3.2, including how the data octet is combined with scrambler bits
 - Slide 4 is a format for a PMA training frame, composed of 16 partial PHY frames with several TBD parameters including partial frame length and infofield contents.
- **Motion #8: Move that IEEE 802.3dg not include an OAM channel, and set the auxiliary bit in the PHY frame to zero**

PHY baseline motions

7/15/2024:

- **Motion #1 Adopt a proposal for a 100BASE-T1L PHY using PAM-3 8b6T in Murray_3dg_07152024.pdf** (*as amended during discussion*)

https://www.ieee802.org/3/dg/public/May_2024/Murray_3dg_01a_07152024.pdf

- **Motion #2 Adopt:**

- Sequence ordered set of the MII according to [Lo_3dg_01a_0724.pdf](#), page 3.
- The nibble combining at the input of the 8N/(8N+1) encoder, and byte splitting rules at the output of the 8N/(8N+1) decoder according to [Lo_3dg_01a_0724.pdf](#), page 10, 11, 12, 15 and page 9 for ordered sets.
- The 100BASE-T1L 8N/(8N+1) encoder/decoder with modifications according to [Lo_3dg_01a_0724.pdf](#), pages 13, 14

5/13/2024: (These motions refined and implemented by the above)

- **Motion #1** Move that the TF select PAM3 as the modulation for the IEEE 802.3dg PHY
- **Motion #2** : Move that 802.3dg add the capability to support sequence ordered sets to the MII signaling.