

Proposed Text for PAM4 Encoding in 10 Gb/s

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Current Relevant Clause in P802.3dm

200.4 Physical Coding Sublayer (PCS) functions,
MultiG+100MBASE-T1/V1

200.4.2 PCS functions

200.4.2.2 PCS Transmit function

200.4.2.2.17 TBD encoding

Proposed Change to Clause 200.4.2.2.17

200.4.2.2.17 PAM encoding

The 10 Gb/s PCS transmit process shall encode each output symbol to one of four PAM4 levels as specified in this subclause.

0 maps to -1 ,
1 maps to $-1/3$,
2 maps to $+1/3$, and
3 maps to $+1$.

The 5 Gb/s PCS transmit process shall encode each output symbol to one of TBD PAM levels as specified in this subclause.

The 2.5 Gb/s PCS transmit process shall encode each output symbol to one of TBD PAM levels as specified in this subclause.

Move to adopt the text in MotionPam4For10G slide 3 for clause 200.4.2.2.17

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