### IEEE 802.3dm Baseline Motions

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12 November 2025

### Common Decisions made so far

- Text adopted for XGMII interface to be used (common to TDD, ACT)
  - 64B/65B PCS encoding to be used for the XGMII, supporting an asymmetric XGMII
- PAM-4 modulation to be used for 10 Gb/s data rate in the high-speed direction (text adopted)
- PAM-2 modulation to be used for 2.5 Gb/s & 5 Gb/s data rate in the high-speed direction
  - Motion to use PAM-2 for both 2.5G and 5G failed at first
  - The two proposals use differing baud rates
- MDI Return Loss
- Minimal baseline text for Link segment sections (no IL, RL, or delay specifications)
- Baseline text for environmental specifications (common for most automotive PHYs)
- Text for Clause 30 Management
- Text for Clause 45 Management
- PHY/path naming convention adopted

# Approved Motions (Nov 2025 Plenary)

MOTION #5: Adopt the terminology on Lo 3dm 02a 111025.pdf slide 5, with editorial license, throughout the IEEE P802.3dm draft.

45Y/13N/9A

MOTION PASSES WITH >= 75%.

# Approved Motions (July 2025 Plenary)

- MOTION #7: Adopt the Clause 30 proposed text in ...0725/8023dm Clause30 proposal.pdf with Editorial License MOTION PASSES WITHOUT OBJECTION.
- MOTION #8: Adopt the Clause 45 proposed text in
   ...0725/8023dm\_Clause45\_proposal\_v2.pdf
   with Editorial License MOTION PASSES WITHOUT OBJECTION.

# Approved Motions (May 2025 Interim)

#### **May 2025 IEEE 802.3 Interim**

MOTION #1: Add an objective to IEEE P802.3dm that states: "Do not preclude using the low data rate signal to extract the timing reference for the high-data rate transmitter."

Y: 37 N: 11 A: 7 MOTION PASSES

MOTION #2: Move to replace the adopted MDI RL with the corrected MDI RL found on Slide 4 of Jonsson\_3dm\_01\_03\_24\_25.pdf

### **MOTION PASSES BY UNANIMOUS CONSENT**

MOTION #3: Move to adopt as baseline text the text on slides 2 through 5 of jonsson chini 3dm 01 05 15 25.pdf with editorial license.

Y: 46 N: 2 A: 2 MOTION PASSES

# Approved Motions (May - Mar 2025)

#### May 1, 2025 Electronic Interim

**MOTION**: Move to adopt PAM2 for 5 Gb/s for the high speed direction **MOTION PASSES BY UNANIMOUS CONSENT** 

#### March 2025 IEEE 802 Plenary

- **MOTION #4:** Move to give the editor license to add any necessary references to asymmetric PHYs in Clause 46 and its subclauses.
  - Yes: 50
- No: 1
- Abstain: 9 **MOTION PASSES**
- **MOTION #6:** Move to adopt PAM2 for 2.5G transmitter

- Yes: 49No: 10Abstain 3 MOTION PASSES

# Approved Motions (January 2025)

#### January 2025 IEEE 802.3 Interim

- MOTION #3: Move to adopt XGMII (IEEE Std 802.3 Clause 46) for all data rates and for both directions with clocks determined by direction's bit rate Y: 44
   N: 0
   A: 4
   MOTION PASSES WITHOUT OBJECTION
- MOTION #4: Move to adopt 64B/65B encoding of the XGMII input to the PHY for both directions and all data rates.

#### MOTION PASSES WITHOUT OBJECTION

 MOTION #5: Adopt the text shown on slide 3 of zimmerman text to adopt xgmii 0125b.pdf

#### **MOTION PASSES WITHOUT OBJECTION**

(Motions for January 2025 Continued next page)

# Approved Motions (Jan 2025 – Nov 2024)

### January 2025 IEEE 802.3 Interim (cont'd)

- MOTION #6: Move to adopt PAM4 modulation for the 10G transmitter
   MOTION PASSES WITHOUT OBJECTION
- MOTION #7: Adopt the text shown on slide 3 of MotionPam4For10G for clause 200.4.2.2.17.

#### **MOTION PASSES WITHOUT OBJECTION**

### **November 2024 IEEE 802 Plenary**

MOTION #5: Move to adopt MDI Return Loss Limit proposal on slide 2 of jonsson chini 3dm 01 11 13 24.pdf with editorial license.

Y: 45 N: 4 A: 6 **MOTION PASSES**