Motions and Straw Polls

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

January 2024 Interim

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Foreword

- Straw polls related to resolving comments may be found in the associated comment response files.
- This contribution summarizes motions and straw polls not related to comments.
- This contribution is not the official minutes of the meeting.

If there is any discrepancy between this contribution and the meeting minutes, then the minutes take precedence.

22 January 2024

Straw Poll #1

I would support adopting the COM Die/Device model parameter values in lim_3dj_01_2401 slide 8 for 200G/Lane KR, CR, AUI chip-to-chip and chip-to-module

Results (all): Y: 49, N: 0, A: 23

Straw Poll #2

I would support adopting the updated parameter values for Class B packages per benartsi_3dj_01_2401 slide 7

Results (all): Y: 44 , N: 1 , A: 39

Straw Poll #3

I would support adopting the 200G/lane electrical baseline proposals summarized on ran_3dj_01a_2401 slide 29, with the addition that test fixtures for the CR PHYs are TBD.

Results (all): Y: 59 , N: 0 , A: 23

Straw Poll #4

I would support adopting link training based on IEEE Std. 802.3ck-2022, Cl 162.8.11 as the baseline for 200G/lane Backplane and Copper Cable PMDs (with max_wait_timer = TBD) and in-band training based on the clause 136 training frame structure (Figure 136-3) for all PMAs with physically instantiated interfaces (AUIs) at 200 Gb/s per lane

Results (all): Y: N: A:

Note: Straw Poll #4 was tabled pending improved wording

Straw Poll #5

I would support adopting the AN73 baseline proposal in lusted_3dj_04_2401, slides 6-14

Results (all) Y: 53 , N: 2 , A: 28

Straw Poll #6

I would support the proposed reference receiver framework in healey_3dj_01_2401.pdf, slides 5-15

Results (all): Y: 65 , N: 0 , A: 21

Straw Poll #7

For the 200G/lane electrical interfaces or PMDs having MLSE capability, the MLSE solution approach that I prefer is:

A. Include MLSE COM calculations based on equation U1.a in shakiba_3dj_01b_2401 slide 9

B. Include MLSE COM calculations based on equation U1.b in shakiba_3dj_01b_2401 slide 10

C. Include MLSE COM calculations based on equation U1.c in shakiba_3dj_01b_2401 slide 11

D. Need more information

E. None of the above

(choose one)

Results (all): A: 0 , B: 1 , C: 47 , D: 16 , E: 7

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Straw Poll #8

I would support adopting 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

Results (all): Y: 64, N: 0, A: 22

Note: Straw Poll #8 was an improved wording of Straw Poll #4 and focused on Backplane and Copper Cable PMDs

Straw Poll #9

I would support adopting 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

Results (all): Y: 49 , N: 8 , A: 27

Note: Straw Poll #9 was an improved wording of Straw Poll #4 and focused on AUI C2M

Straw Poll #10

I would support adopting 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

Results (all): Y: 49, N: 2, A: 29

Note: Straw Poll #10 was an improved wording of Straw Poll #4 and focused on AUI C2C

Straw Poll #11

I would support the adoption of the 800GBASE-FR4-500 baseline as shown in welch_3dj_01a_2401 pages 10-16

Results (all): Y: 53 , N: 22 , A: 13

Straw Poll #12

I would support removing the convolutional interleaver from the inner FEC sublayer for the following PHYs:

- 200GBASE-FR1, 400GBASE-DR2-2, 800GBASE-DR4-2, 800GBASE-FR4, 1.6TBASE-DR8-2

Results (all): Y: 38 , N: 11 , NMI: 33 , A: 17

Straw Poll #13

I support the adoption of a target SER limit of 9.6E-3 for TECQ/TDECQ/SECQ for the 2km FECi based PMDs

Results (all): Y: , N: , NMI: , A:

Note: Straw Poll #13 was withdrawn

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Straw Poll #14

I would support the proposal in cheng_3dj_01b_2401 pg 14.

Results (all): Y: 67 , N: 20 , A: 20

Straw Poll # 15

I would consider the adoption of more than one SMF Channel model approach for P802.3dj SMF PMDs if appropriate.

Results (all): Y: 59 , N: 2 , NMI: 5 , A: 17

25 January 2024

Motion #1

Move that the P802.3cw/3df/3dj Task Forces approve:

- IEEE_802d3_to_ITU_3cw_2401_draft_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU.
- IEEE_802d3_to_ITU_OIF_3df_0124_draft_Redacted.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU and OIF.

M: Tom Huber

S: Ali Ghiasi

Technical (>=75%)

802.3 voters only

Results: passed by unanimous consent. 8:57 a.m.

Motion #2

Move to adopt lusted_nowell_3dj_01_2401 page 3

M: Kent Lusted

S: Mark Nowell

Technical (>=75%)

802.3 voters only

Result: passed by unanimous consent. 9:05 a.m.

Task Force: 3dj

Motion #3

Move to adopt lusted_nowell_3dj_01_2401 page 2

M: Mark Nowell

S: Matt Brown

Technical (>=75%)

802.3 voters only

Result: Y: 76, N: 13, A: 12 motion passed 10:36 a.m.

Task Force: 3dj

Motion #4

Move to amend motion #3 to read:

- adopt lusted_nowell_3dj_01_2401 page 2 with the removal of the new 20km objective

M: Eric Maniloff

S: Xiang Liu

Technical (>=75%)

802.3 voters only

Result: Y: 19, N: 56, A: 18 Motion failed 10;33 a.m.

Task Force: 3dj

Motion #5

Move to adopt the 800GBASE-FR4-500 baseline as shown in welch_3dj_01a_2401 pages 10-16

M: Mark Nowell

S: Kent Lusted

Technical (>=75%)

802.3 voters only

Result: Y: 68 , N: 16 , A: 14 motion passed 10:53 a.m.

Task Force: 3dj

Motion #6

Move to adopt the COM Die/Device model parameters in lim_3dj_01_2401 slide 8 for 200G/Lane KR, CR, AUI chip-to-chip and chip-to-module

M: Kent Lusted

S: Mark Nowell

Technical (>=75%)

802.3 voters only

Result: passed by unanimous consent. 10:57 a.m.

Task Force: 3dj

Motion #7

Move to adopt lusted_nowell_3dj_01_2401 page 4

M: Kent Lusted

S: Mark Nowell

Technical (>=75%)

802.3 voters only

Result: Y: 58, N: 3, A: 20 Motion passed 11:33 a.m.

Task Force: 3dj

Motion #8

Move to table motion #7

M: Piers Dawe

S:

Technical (>=75%)

802.3 voters only

Result: Motion failed for a lack of a second. 11:26 a.m.

Task Force: 3dj

Motion #9

Move to adopt lusted_nowell_3dj_01_2401 page 6

M: Kent Lusted

S: Mark Nowell

Technical (>=75%)

802.3 voters only

Result: Y: 57, N: 5, A: 15 motion passed 11:48 a.m.

Task Force: 3dj

Motion #10

Move to adopt lusted_nowell_3dj_01_2401 page 7

M: Kent Lusted

S: Adee Ran

Technical (>=75%)

802.3 voters only

Result: passed by unanimous consent 1:41 p.m.

Task Force: 3dj

Straw Poll #16

I would support adopting the 800GBASE-LR1 state diagrams in bruckman_3dj_01a_2401, slides 4-6 (with values of N and M as TBD)

Results (all): Y: 48,   N: 0   A: 40

Motion #11

Move to adopt the 800GBASE-LR1 state diagrams in bruckman_3dj_01a_2401, slides 4-6 (with values of N and M as TBD)

M: Leon Bruckman

S: Eric Maniloff

Technical (>=75%)

802.3 voters only

Result: Passed by unanimous consent. 1:50 p.m.

Task Force: 3dj

Motion #12

Move to adopt the IMDD inner FEC example test vectors in levy_3dj_02a_2401.7z, as described in levy_3dj_01b_2401.

M: Matt Brown

S: Xiang He

Technical (>=75%)

802.3 voters only

Result: passed by unanimous consent. 1:53 p.m.

Task Force: 3dj

Straw Poll #17

I would support adopting the optical PHY type auto-negotiation (OAN) proposed in brown_3dj_02_2401, slides 5-23 with the exception that the timing characteristics on slide 20 are TBD

Results (all): Y: 38, N: 19, A: 35