Session	Motion #	Motion	Referenced File	Mover	Second	Results	Notes
01-2023	4	Move to approve motions related to "IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet" previously approved by IEEE P802.3df Task Force noted on Slide #7 of https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf	https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf	Ali Ghiasi	Adee Ran	802.3: Passed by Unanimous Consent	
01-2023	5	Move to adopt timeline for IEEE P802.3dj noted on slide #8 of https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf	https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf	Adee Ran	Mike Dudek	802.3: Passed by Unanimous Consent	
01-2023	6	Move to adopt lusted_3dj_02a_230116.pdf slide 6 as the baseline for the 16-lane 1.6TAUI-16 C2M and C2C	https://www.ieee802.org/3/dj/public/23_01/23_0116/lusted_3dj_02a_230116.pdf	Ran	Dudek	802.3: Passed by Unanimous Consent	
01-2023	10	Move to adopt gustlin_3df_01b_230206, slides 6-12, as the baseline for the 1.6TbE PCS/FEC, with the noted details (PCS lane forming and AM construction) to be determined later	https://www.ieee802.org/3/dj/public/23_01/23_0206/gustlin_3dj_01b_230206.pdf	Gustlin	Brown	802.3: Passed by Unanimous Consent	Replaced by May 2023 Motion #4
03-2023	1	Move to: Replace the following 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 10 km with the following two objectives: • Define a physical layer specification that supports 800 Gb/s operation over 1 wavelength over a single SMF in each direction with lengths up to at least 10 km • Define a physical layer specification that supports 800 Gb/s operation over 4 wavelengths over a single SMF in each direction with lengths up to at least 10 km		Nowell	Johnson	802.3: 63 / 3 / 12	
03-2023	2	Move to adopt the following objective for 400GBASE-DR2-2: • Define a physical layer specification that supports 400 Gb/s operation over 2 pairs of SMF with lengths up to at least 2 km		Welch	Johnson	802.3: Passed by Unanimous Consent	
03-2023	3	Move to: • adopt opsasnick_3dj_01a_2303, slides 3, 5-9, 12-13, as a supplement to the previously adopted 1.6TbE PCS baseline from gustlin_3dj_01b_230206.pdf.	https://www.ieee802.org/3/dj/public/23_03/opsasnick_3dj_01a_2303.pdf	Opsasnick	He	802.3: Passed by Unanimous Consent	
03-2023	4	Move to: • Adopt ran_3dj_01a_2303, slides 6-24 as a baseline for the PMAs with 200 Gbps per lane signaling	https://www.ieee802.org/3/dj/public/23_03/ran_3dj_01a_2303.pdf	Ran	Nicholl	802.3: 69 / 1 / 13	
03-2023	5	Move to: Adopt patra_3dj_01b_2303 slides 6 to 8, 13, 14, and 20 to 23 as part of the FEC approach for • 800GBASE-DR4, 800GBASE-DR4-2, 800GBASE-FR4 • 400GBASE-DR2, 400GBASE-DR2-2* (Note: 400GBASE-DR2-2 pending WG objective approval) • 200GBASE-DR1, 200GBASE-FR1 with FEC lane rate, convolutional interleaver details, and 1.6T support to be determined later	https://www.ieee802.org/3/dj/public/23_03/patra_3dj_01b_2303.pdf	Healey	Dudek	802.3: 70 / 5 / 15	
05-2023	3	Move to adopt the PCS, DTE XS, and PHY XS noted on slide #4 of dambrosia_3dj_01a_2305 for all 200 Gb/s per lane signaling based PHYs for 200 GbE, 400 GbE, and 800 GbE	https://www.ieee802.org/3/dj/public/23_05/dambrosia_3dj_01a_2305.pdf	Dudek	Nicholl	802.3: Passed by Unanimous Consent	
05-2023	4	Move to adopt gustlin_3dj_01b_230206, slides 6-12, as the baseline for the 1.6TbE PCS/FEC	https://www.ieee802.org/3/dj/public/23_01/23_0206/gustlin_3dj_01b_230206.pdf	Gustlin	Ran	802.3: Passed by Unanimous Consent	Replaces Jan 2023 Motion #4
05-2023	5	Move to: ● Adopt the following backplane objectives for 200GBASE-KR1, 400BASE-KR2, 800GBASE-KR4, and 1.6TBASE-KR8: ○ Define a physical layer specification that supports 200 Gb/s operation over 1 lane over electrical backplanes supporting a die-to-die insertion loss <= 40 dB at 53.125 GHz ○ Define a physical layer specification that supports 400 Gb/s operation over 2 lanes over electrical backplanes supporting a die-to-die insertion loss <= 40 dB at 53.125 GHz ○ Define a physical layer specification that supports 800 Gb/s operation over 4 lanes over electrical backplanes supporting a die-to-die insertion loss <= 40 dB at 53.125 GHz ○ Define a physical layer specification that supports 1.6 Tb/s operation over 8 lanes over electrical backplanes supporting a die-to-die insertion loss <= 40 dB at 53.125 GHz		Mellitz	Weaver	802.3: Passed by Unanimous Consent	

05-2023	6	Move to: ● Adopt differential PAM4 signaling as the basis for all of the 200 Gbps/lane passive copper cable and backplane PMDs and adopt RS(544,514,10) as the only FEC encoding for all of the 200 Gbps/lane passive copper cable and backplane PMDs		Li, Mike	Ghiasi	802.3: Passed by Unanimous Consent
05-2023	7	Move to adopt a CRU bandwidth and jitter tolerance corner frequency of 4 MHz for all 802.3dj PMD/AUIs operating at RS544 FEC (The calculation for CRU BW is based on the following fBaud/26562.5)		Ghiasi	Li, Mike	802.3: Passed by Unanimous Consent
05-2023	8	Move to: ● adopt a DER0 value of 2.67e-5 (equivalent to measured BER of 4e-5 with precoding ON) as the total allocation for higher-loss AUIs within a PHY (BER division between C2C and C2M as well as the measurement method to be determined later)		Ran	Kota	802.3: 75 /3 /20
05-2023	9	Move to: • Adopt patra_3dj_01b_2303 slides 6 to 8, 13, 14, and 20 to 23 as part of the FEC approach for 800GBASE-LR4 with FEC lane rate and convolutional interleaver details to be determined later	https://www.ieee802.org/3/dj/public/23_03/patra_3dj_01b_2303.pdf	Rodes	Ghiasi	802.3: Passed by Unanimous Consent
05-2023	10	Move to: ● adopt DP-16QAM modulation on a single wavelength as the basis for the following objectives: ○ Define a physical layer specification that supports 800 Gb/s operation: ■ over 1 wavelength over a single SMF in each direction with lengths up to at least 10 km ■ over a single SMF in each direction with lengths up to at least 40 km		Nowell	Brown	802.3: Passed by Unanimous Consent
07-2023	4	Move to adopt the direction of adding an option to support only RS544 FEC (aka Bypass Inner FEC) for the single wavelength 500m and 2km optical PMDs with the mechanism to enable it remaining TBD		Welch	Rechtman	802.3: Passed by Unanimous Consent
07-2023	5	Move to adopt BCH FEC as defined in kota_3dj_01a_2307.pdf slides 6-18 as the baseline FEC specification for the single wavelength 10 km 800Gb/s optical PMD.	https://www.ieee802.org/3/dj/public/23_07/kota_3dj_01a_2307.pdf	Maniloff	Stassar	802.3: 60 / 14 / 20
07-2023	6	Move to adopt one DER0 value of 2.67e-5 (equivalent to measured BER of 4e-5 with precoding ON) as the total allocation for 200Gbps/lane AUIs within a PHY (BER division between C2C and C2M as well as the measurement method to be determined later)		Ran	Tobey P. -R. Li	802.3: Passed by Unanimous Consent
07-2023	7	Move to adopt a die-to-die insertion loss <= 40 dB at 53.125 GHz for 200GBASE-CR1, 400GBASE-CR2, 800GBASE-CR4 and 1.6TBASE-CR8 PHYs		Mike Li	Tracy	802.3: Passed by Unanimous Consent
07-2023	8	Move to adopt stateless 64b/66b encode and decode, as defined in opsasnick_3dj_01a_2307.pdf slides 7 and 8, as an option for 200GbE and 400GbE for all 200G/lane PHY/PMDs	https://www.ieee802.org/3/dj/public/23_07/opsasnick_3dj_01a_2307.pdf	Opsasnick	Gustlin	802.3: Passed by Unanimous Consent
07-2023	9	Move to adopt the same inner FEC architecture used for 200GbE/400GbE/800GbE for 1.6TbE SMF optical PMDs (500m/2km)		Ghiasi	Kota	802.3: Passed by Unanimous Consent
07-2023	10	Move to adopt the 4x RS codewords interleaving for 200GbE and 400 GbE using 200G/lane AUIs or PMDs, as shown in slides 4-6 and 10 of he_3dj_02a_2307 along with deskew (alignment) to codeword boundaries for 100G/lane input lanes.	https://www.ieee802.org/3/dj/public/23_07/he_3dj_02a_2307.pdf	He	Ran	802.3: Passed by Unanimous Consent
07-2023	11	Move to adopt the FEC_I sublayer architecture with 200G throughput convolutional interleaver as shown in slides 6-11 of he_3dj_01_2307 for 200G/400G/800G/1.6TbE	https://www.ieee802.org/3/dj/public/23_07/he_3dj_01_2307.pdf	He	Nicholl	802.3: Passed by Unanimous Consent
07-20-2023	1	Move to adopt the 200G/L Die/Device Model changes to Annex 93A (COM) proposed in lim_3dj_01a_2307 slides 6 and 7	https://www.ieee802.org/3/dj/public/23_0720/lim_3dj_01a_2307.pdf	Mike Li	Weaver	802.3: Passed by Unanimous Consent
07-20-2023	3	Move to adopt the 200G/L package model to Annex 93A (COM) proposed in https://www.ieee802.org/3/dj/public/23_07/benartsi_3dj_02_2307.pdf slide 5	https://www.ieee802.org/3/dj/public/23_07/benartsi_3dj_02_2307.pdf	Dudek	Ben-Artsi	802.3: 22 / 5 / 10
09-2023	3	Move to adopt the self-sync method for inner FEC as described in pages 7-11 of he_3dj_01a_2309.	https://www.ieee802.org/3/dj/public/23_09/he_3dj_01a_2309.pdf	He	Gustlin	802.3: Passed by Unanimous Consent
09-2023	4	Move to adopt the Inner FEC Pad insertion changes of pad block from 384 bits to 1024 bits (8 Inner FEC CWs) and insertion period from 3264 CWs to 8704 CWs, including 8:1 Hamming interleaver protection for pad bits, as shown in rechtman_3dj_01a_2309 slides 5-7 and 10.	https://www.ieee802.org/3/dj/public/23_09/rechtman_3dj_01a_2309.pdf	Rechtman	He	802.3: Passed by Unanimous Consent
09-2023	5	Move to adopt the the CR host and cable assembly insertion loss budget proposed in diminico_3dj_01a_2309, slide 7 for the symmetrical CR use case.	https://www.ieee802.org/3/dj/public/23_09/diminico_3dj_01a_2309.pdf	Diminico	Tracy	802.3: Passed by Unanimous Consent

09-21-2023	1	Move to adopt C2C DER_0 = 0.67E-5 and C2M DER_0 = 2E-5 for the case when the AUI DER_0 is split across the C2M and the C2C inside of a Type 1 or Type 2 PHY per lusted_3dj_01a_230921, slide 7	https://www.ieee802.org/3/dj/public/23_0921/lusted_3dj_01a_230921.pdf	Brown	Li, Mike	802.3: Passed by Unanimous Consent
09-21-2023	2	Move to adopt C2M DER_0 = 2E-5 for the case when the AUI is only a C2M (no C2C) inside of a Type 1 or Type 2 PHY per choice A in lusted_3dj_01a_230921, slide 9	https://www.ieee802.org/3/dj/public/23_0921/lusted_3dj_01a_230921.pdf	Brown	Ghiasi	802.3: 46 / 4 / 9
11-2023	7	Move to adopt the proposal on slide 2 of lusted_3dj_07a_2311	https://www.ieee802.org/3/dj/public/23_11/lusted_3dj_07a_2311.pdf	Ofelt	Dudek	802.3: Passed by Unanimous Consent
11-2023	8	Move to adopt gustlin_3dj_01_2311 to fill the 802.3dj logic baseline holes that were identified in brown_3dj_01_2309	https://www.ieee802.org/3/dj/public/23_11/gustlin_3dj_01_2311.pdf	Gustlin	Nicholl, Shawn	802.3: Passed by Unanimous Consent
11-2023	9	Move to adopt the two package approach proposed in lusted_3dj_02_2311 slide #4	https://www.ieee802.org/3/dj/public/23_11/lusted_3dj_02_2311.pdf	Li, Mike	Ben-Artsi	802.3: Passed by Unanimous Consent
11-2023	10	Move to adopt the proposed Class A and Class B package parameters in lim_3dj_01a_2311 slides 8-9 for 200G/lane backplane and copper cable PHYs as a baseline proposal	https://www.ieee802.org/3/dj/public/23_11/lim_3dj_01a_2311.pdf	Li, Mike	Ben-Artsi	802.3: Passed by Unanimous Consent
11-2023	11	Move to adopt the host and cable assembly insertion loss budgets proposed in the magenta box "proposed baseline content" in tracy_3dj_01a_2311, slide 12, for the copper cable objectives. Specific host and cable assembly nomenclature is a TBD.	https://www.ieee802.org/3/dj/public/23_11/tracy_3dj_01a_2311.pdf	Weaver	Noujeim	802.3: Passed by Unanimous Consent
11-2023	12	Move to adopt DER_0 = 2e−4 for 200 Gb/s per lane backplane and copper cable PMD link		Healey	Heck	802.3: Passed by Unanimous Consent
11-2023	13	Move to adopt the "TP1-TP4 IL" column in the table and MCB insertion loss (2.7 dB) on slide 9 of diminico_3dj_01_2311 for 200GBASE-CR1, 400GBASE-CR2, 800GBASE-CR4 and 1.6TBASE-CR8 PHYs.	https://www.ieee802.org/3/dj/public/23_11/diminico_3dj_01_2311.pdf	Diminio	Tracy	802.3: Passed by Unanimous Consent
11-2023	15	Move to adopt the 800GBASE-LR4 PMD baseline as shown in rodes_3dj_01a_2311 pages 4-9	https://www.ieee802.org/3/dj/public/23_11/rodes_3dj_01a_2311.pdf	Rodes	Liu	802.3: 78 / 1 / 14
11-28-2023	1	Move to adopt timeline for IEEE P802.3dj noted on slide #6 of https://www.ieee802.org/3/dj/public/23_1128/dambrosia_3dj_01b_2311.pdf	https://www.ieee802.org/3/dj/public/23_1128/dambrosia_3dj_01b_2311.pdf	Nowell	Ghiasi	802.3: Passed by Unanimous Consent
01-2024	2	Move to adopt lusted_nowell_3dj_01_2401 page 3	https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pdf	Lusted	Nowell	802.3: Passed by Unanimous Consent
01-2024	3	Move to adopt lusted_nowell_3dj_01_2401 page 2	https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pdf	Nowell	Brown	802.3: 76 / 13 / 12
01-2024	5	Move to adopt the 800GBASE-FR4-500 baseline as shown in welch_3dj_01a_2401 pages 10-16	https://www.ieee802.org/3/dj/public/24_01/welch_3dj_01a_2401.pdf	Nowell	Lusted	802.3: 68 / 16 / 14
01-2024	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	https://www.ieee802.org/3/dj/public/24_01/lim_3dj_01_2401.pdf	Lusted	Nowell	802.3: Passed by Unanimous Consent
01-2024	7	Move to adopt lusted_nowell_3dj_01_2401 page 4	https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pdf	Lusted	Nowell	802.3: 58 / 3/ 20
01-2024	9	Move to adopt lusted_nowell_3dj_01_2401 page 6	https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pd	Lusted	Nowell	802.3: 57 / 5 / 15
01-2024	10	Move to adopt lusted_nowell_3dj_01_2401 page 7	https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pdf	Lusted	Ran	802.3: Passed by Unanimous Consent
01-2024	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)	https://www.ieee802.org/3/dj/public/24_01/bruckman_3dj_01a_2401.pdf	Bruckman	Maniloff	802.3: Passed by Unanimous Consent
01-2024	12	Move to adopt the IMDD inner FEC example test vectors in levy_3dj_02a_2401.7z, as described in levy_3dj_01b_2401.	https://www.ieee802.org/3/dj/public/24_01/levy_3dj_01b_2401.pdf https://www.ieee802.org/3/dj/public/24_01/levy_3dj_02a_2401.7z	Brown	He	802.3: Passed by Unanimous Consent
03-2024	2	Move to adopt the following as baselines for the 800GBASE-ER1-20 PHY • optical: wang_3dj_01a_2403 pages 7-10 • logic: nicholl_3dj_02a_2307	https://www.ieee802.org/3/dj/public/24_03/wang_3dj_01a_2403.pdf https://www.ieee802.org/3/dj/public/23_07/nicholl_3dj_02a_2307.pdf	Williams	Kareti	802.3: 58 / 9 / 13
03-2024	3	Move to amend the adopted 800GBASE-ER1 and 800GBASE-ER1-20 logic baselines (nicholl_3dj_02a_2307) based on slides 6-9 of huber_3dj_01a_2403.	https://www.ieee802.org/3/dj/public/23_07/nicholl_3dj_02a_2307.pdf https://www.ieee802.org/3/dj/public/24_03/huber_3dj_01a_2403.pdf	Huber	Sluyski	802.3: Passed by Unanimous Consent
03-2024	4	Move to amend the 800GBASE-ER1 optical baseline (williams_3dj_01a_2305 pgs 7-10) per wang_3dj_01a_2403 pages 7-10	https://www.ieee802.org/3/dj/public/23_05/williams_3dj_01a_2305.pdf https://www.ieee802.org/3/dj/public/24_03/wang_3dj_01a_2403.pdf	Williams	Kareti	802.3: Passed by Unanimous Consent
03-2024	5	Move to adopt malicoat_3dj_01a_2403 as the MDI baseline for 400GBASE-DR2 and 400GBASE-DR2-2	https://www.ieee802.org/3/dj/public/24_03/malicoat_3dj_01a_2403.pdf	Malicoat	Stassar	802.3: Passed by Unanimous Consent
03-2024	8	Move to adopt the AUI C2C DER_0 per slide 6 of lusted_3dj_04_2403	https://www.ieee802.org/3/dj/public/24_03/lusted_3dj_04_2403.pdf	Heck	Dudek	802.3: 51 / 1 / 27
03-2024	9	Move to adopt the CR MDI connector naming per diminico_3dj_01_2403, slide 4	https://www.ieee802.org/3/dj/public/24_03/diminico_3dj_01_2403.pdf	Diminico	Kocsis	802.3: 58 / 5 / 16
03-2024	11	Move to adopt the proposal for automatic polarity detection and correction in the start-up protocol, per ran_3dj_01a_2403	https://www.ieee802.org/3/dj/public/24_03/ran_3dj_01a_2403.pdf	Ran	HEck	802.3: Passed by Unanimous Consent
03-2024	12	Move to adopt the proposal for training pattern changes in the start-up protocol, per ran_3dj_03a_2403	https://www.ieee802.org/3/dj/public/24_03/ran_3dj_03a_2403.pdf	Ran	Brown	802.3: 60 / 1 / 22

03-2024	13	Move to adopt the start-up protocol to enable segment-by-segment training per ran_3dj_04_2403 slides 3-4,8-14 and ran_3dj_05a_2403 slides 2-9 as a modification to the PMD control function adopted by motion #10 in January 2024 (2nd item on slide 7 of https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pdf)	https://www.ieee802.org/3/dj/public/24_03/ran_3dj_04_2403.pdf https://www.ieee802.org/3/dj/public/24_03/ran_3dj_05a_2403.pdf https://www.ieee802.org/3/dj/public/24_01/lusted_nowell_3dj_01_2401.pdf	Ran	Dudek	802.3: Passed by Unanimous Consent
03-2024	14	Move to adopt: CRU text per ghiasi_3dj_01a_2403 page 10 with 4 MHz CRU for 200GBASE-DR1, 400GBASE-DR2, 800GBASE-DR4, 1.6TBASE-DR8, 800GBASE-FR4-500 CRU text per ghiasi_3dj_01a_2403 page 11 with 4 MHz CRU for all backplane and Cu cable PMDs CRU text per ghiasi_3dj_01a_2403 page 13 with 4 MHz CRU for 200GBASE-FR1, 400GBASE-DR2-2, 800GBASE-DR4-2, 1.6TBASE-DR8-2, 800GBASE-FR4, 800GBASE-LR4	https://www.ieee802.org/3/dj/public/24_03/ghiasi_3dj_01a_2403.pdf	Ghiasi	Maniloff	802.3: 43 / 1 / 31