

# **P802.3dj D1.0**

## **Comment Resolution Agenda**

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# Introduction

- ❖ This slide package provides the comment agenda for the Draft 1.0 comment resolution.
- ❖ Comment resolution order is shown in the following slides.
- ❖ The agenda is subject to change as required.
- ❖ Comments/topics that appear to be converging but require some offline consensus building might be “parked” and addressed at a later date in this CRG meeting series.
- ❖ Electrical comments/topics are likely going to require the entire 8 days to complete so for any spare time on task force days these topics will have priority.
- ❖ Parallel meetings may be running for the three tracks. Individuals are encouraged to review the topics in each track to understand if there are any conflicts.

# Comment resolution

## Approach to comment resolution (same as 802.3df)

The following approach will be utilized for resolving comments...

- ❖ Review the proposed response
  - Discuss and refine as needed and attempt to close without objection using **direction** straw polls, as necessary.
  - If no more than two objections (including commenter) to proposed response then consider it to be consensus and close comment.
  - If more than two objections then use **decision** straw poll(s) to move forward.
- ❖ Use of a **direction** straw poll to determine a direction
  - Use the result of the direction straw poll(s) to determine consensus, refine the proposed response, or to craft a decision straw poll.
- ❖ Use of a **decision** straw poll to make a final decision.
  - The decision straw poll winner is the option that has more than 50% support.
  - Close the comment based on the winner of the decision straw poll(s).
- ❖ The editorial team may provide presentations as needed to aid in the resolution of comments.
- ❖ Individuals are reminded to review “IEEE SA Balloting and Comment Resolution Process Guidelines”  
<https://standards.ieee.org/wp-content/uploads/import/governance/revcom/guidelines.pdf>

IEEE P802.3dj Task Force, May 2024

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Source: [https://www.ieee802.org/3/dj/public/24\\_05/brown\\_3dj\\_01\\_2405.pdf](https://www.ieee802.org/3/dj/public/24_05/brown_3dj_01_2405.pdf)

# We are here...

613 comments received  
 9 withdrawn  
 246 in bucket #1 (34 pulled) closed  
 34 in bucket #2 closed  
 561 closed so far  
 52 to resolve on the floor

Clause	E	G	T	ER	GR	TR	Open	Closed	Total
00	0	0	2	0	0	0	0	2	2
1	0	0	1	0	0	4	0	5	5
116	1	0	2	0	0	10	0	13	13
119	1	0	1	0	0	0	0	2	2
120	0	0	1	0	0	0	0	1	1
120F	0	0	1	0	0	0	0	1	1
169	0	0	5	0	0	15	0	20	20
170	0	0	1	0	0	0	0	1	1
171	0	0	4	0	0	0	0	4	4
174	0	0	1	0	0	1	0	2	2
174A	0	0	0	0	0	5	0	5	5
175	0	0	14	0	0	0	0	14	14
175A	0	0	1	0	0	0	0	1	1
176	13	0	29	0	0	7	0	49	49
176A	6	0	35	3	0	7	0	51	51
176D	1	0	13	0	0	17	5	26	31
176E	0	0	18	0	0	15	7	26	33
177	2	0	29	0	0	8	0	39	39
177A	0	0	1	0	0	0	0	1	1
178	1	0	13	0	0	85	21	78	99
178A	0	0	8	0	0	3	0	11	11
179	0	0	21	0	0	27	14	34	48
179A	2	0	5	0	0	2	4	5	9
179B	2	0	3	0	0	2	0	7	7
179C	1	0	4	0	0	1	0	6	6
180	0	0	19	1	0	3	0	23	23
181	0	0	13	0	0	6	0	19	19
182	0	0	17	0	0	6	0	23	23
183	0	0	15	0	0	6	0	21	21
184	1	0	29	0	0	5	0	35	35
185	0	0	8	0	0	6	0	14	14
186	0	0	2	0	0	0	0	2	2
187	0	0	7	0	0	0	0	7	7
30	0	0	2	0	0	1	0	3	3
45	0	0	4	0	0	1	0	5	5
73	0	0	1	0	0	2	0	3	3
90A	0	0	2	0	0	0	0	2	2
93B	0	0	0	0	0	1	1	0	1
<b>Total</b>	<b>31</b>	<b>0</b>	<b>332</b>	<b>4</b>	<b>0</b>	<b>246</b>	<b>52</b>	<b>561</b>	<b>613</b>

# Comment resolution sequence

Meeting # and Date	Topic
<del>Monday June 3</del>	<del>Task force session (single meeting) Common topics</del>
<del>Tuesday June 4</del>	<del>Tracks: Logic, Electrical, Optical (three parallel meetings)</del>
<del>Wednesday June 5</del>	<del>Tracks: Electrical only</del>
<del>Thursday June 6</del>	<del>Task force session (single meeting) Motion to adopt responses to bucket #1 and bucket #2 comments. Common topics: Electrical topics:</del>
Monday June 10	Tracks: Logic, Electrical (two parallel meetings)
<del>Tuesday June 11</del>	<del>Tracks: Electrical (one meeting)</del>
<del>Wednesday June 12</del>	<del>One meeting split as follows: Start as task force to address common topics Switch to electrical track to address electrical topics</del>
Thursday June 13	Task force session. (single meeting) Any remaining comments, time permitting. Closing business (starting @ 12:30PM Eastern)

# Common (task force)

# Page done

Clause	Topic	Comments (12 open)
174	1.6T list of interface widths	480
116, 182	FR1 PHY	311
176, 177, 180-182	Precoding	[21, 146, 145, 540, 541], [547, 582, 147, 148, 85]
178, 174A	BER/FLR	[205, 190, 191, 192, 206]
177	Inner FEC coding gain	22
185	Test pattern	374
116, 169	Figures, tables	[78, 321], [152, 510]
180	Jitter	519, 520
176A+	ILT terminology	496
176A	ILT General	577
176A	ILT Coefficients, Diagrams	[457, 458], 500, 550, [569, 570], 575
73, 116	ILT Service Interface, RTS	194, 195
176A	ILT Frame, Pattern	[358, 61, 200, 496, 497, 548], 562, 498
Many	AUI generations	581W
116, 176, 177	Skew	531, 181, 182
<p><i>Note that comment resolution order may be readjusted.</i></p> <p><b>Cyan highlight:</b> pulled from bucket #1</p>		

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation

# Electrical track #1

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Clause	Topic	Comments
Many	Many	<u>clawc_3dj_01a_2406</u>
178, 179, 176D, 176E	<b>BT filter bandwidth</b>	178: <del>60</del> , 230, 309, 32, 245 179: 424, 225, 388, 410, 412, 217 176D: 425, 422 176E: 433, 434
178, 179, 179B	<b>ERL/dERL</b>	178: 28, <u>29</u> , 43, 237, 238, 239, 240, 244, [234, 244], 252 179: 48, 54 179B: 58
179/176E	<b>ERL Tfx</b>	179: <u>227</u> , 248, 249 176E: 220, 224
178, 179, 176D, 179A	<b>COM</b>	178: [33, <u>250</u> , 402, 253], [249, 400] 179: [50, 443], [49, 444] 176D: 430, 427 179A: 57
178A	<b>DER0, MLSD</b>	<del>362</del> , 287, 286, 244, 212, 285
178, 176D, 176E	<b>COM CTLE parameters</b>	178: <del>263</del> , 264, 265, 266 176D: <del>433</del> 176E: <u>440</u>
<p><i>Note that comment resolution order may be readjusted.</i></p> <p><b>Cyan highlight:</b> pulled from bucket #1</p>		

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation, **Topic** = editorial slides

# Electrical track #3

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Clause	Topic	Comments (5 open)
178, 179, 176D, 176E	COM Tx FFE	178: <del>37</del> , [258, 259, 260, 261, 262], 405 179: 416 176D: 442 176E: 438
178, 179, 176D, 176E	COM Rx FFE coefficient limits	178: [ <del>279, 280, 281, 282, 283, 284</del> <del>lim_3dj_01_2405</del> ], 42, 74 179: <del>54, 70</del> 176D: [ <del>504</del> <del>heck_3dj_01b_2405</del> ], 144 176E: 72, 140
178, 179, 176D, 176E	COM f_r	178: <del>36</del> , 257, 404 179: 53, 415 176D: 432 176E: 439
178, 179, 176D, 176E	COM T_r	178: <del>268</del> , 407 179: <del>39</del> , 418 176D: 435 176E: 441
178, 178, 176D, 176E	TX Jitter	178: [ <del>236, 271, 272</del> ] 178, 178, 176D, 176E: [204 <del>ran_3dj_03_2405</del> ]
<i>Note that comment resolution order may be readjusted.</i>		

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation, **Topic** = editorial slides



# Electrical track #2 – continuing on Thursday June 13

Clause	Topic	Comments (8 open)
178, 179, 176D, 176E	<b>COM Rx FFE length parameters</b>	178: <del>[274, 275, 276, 277, 278]</del> , 42, 71W 179: 54, 70W 176D: 504, 444 176E: <del>72, 440</del> <del>lusted_3dj_07_2405</del> (also for eta0), <del>lusted_3dj_01a_2406</del>
178, 179, 176D	COM voltages	<del>38</del> , 267, 406, 417, 434
176E, 178, 179A	<b>Channel ILdd (3)</b>	176E: 73, <del>130</del> , 129, 134 178: [ <del>34</del> , 251] 179A: 524, 585
178, 179, 176D, 176E	COM eta0 (2)	178: <del>269</del> , 408, 71W 179: 419, 70W 176D: [504, <del>heck_3dj_01b_2405</del> ], 143 176E: 72
178, 179, 176D, 176E	<b>Reference impedance, COM R_d, COM R_0 (3)</b>	178: <del>395</del> , [ <del>396, 397, 255, 256</del> ], <del>35</del> , [254, 403] 179: <del>387</del> , [ <del>391, 392</del> ], 52, 414 176D: <del>441, 431</del> 176E: 137, 136, 438
<i>Note that comment resolution order may be readjusted.</i>		

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation, **Topic** = editorial slides

# Electrical track #4 – continuing on Thursday June 13

Clause	Topic	Comments (46 open)
176E	<b>C2M Input (2)</b>	[ <del>188</del> , 189]
176E	<b>C2M Output (9)</b>	[ <del>186</del> , <del>187</del> , <del>203</del> ], [65, 132, 139, <del>365</del> ], 522, <b>523</b>
178, 179	<b>TX SNDR/SCMR/SNR_TX (6)</b>	178: <u>27</u> , 31, 41, 270 179: 45, 47
178	<b>Tx RLcc (2)</b>	232, 242
178, 179, 176D, 176E, 179A	COM methodology (6)	359, [ <u>360</u> , 421, 437, 443], 215
179A	HCb + MCB (1)	586
178, 179, 176E	<b>Linear fit (5)</b>	[ <u>30</u> , 243, 44, 46, 444]
178, 179, 176D, 176E	Assorted COM parameters (2)	<del>42</del> , <del>71</del> , <del>54</del> , <del>70</del> , 143, 504, <del>72</del>
178, 179, 176D, 176E	R_LM (5)	[ <u>273</u> , 409, 420, 436, 442]
178	TX FFE (4)	233, <u>234</u> , 235, 288
179	TX SNR_ISI (1)	226
178, 179	<b>RX ITOL/JTOL (3)</b>	247, 248, 177, <u>246</u>
176D, 176E	AUI informative notes (2)	<b>62</b> , <b>64</b>
179	Tx output specs (6)	<b>452</b> , <b>511</b> , <b>512</b> , <b>513</b> , <b>514</b> , <b>515</b>
93B, 178, 179	Assorted channel-related (3)	<b>55</b> , <b>40</b> , <b>390</b>

*Note that comment resolution order may be readjusted.*

**Cyan highlight:** pulled from bucket #1

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation, **Topic** = editorial slides

# Optical track #1

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Clause	Topic	Comments
	TX specifications	180: <del>326</del> 181: 6, 8, [ <del>162, 327</del> ] 182: <del>328</del> 183: 7, 9, [ <del>42, 503</del> ], [ <del>164, 329</del> ], 466 185: [ <del>380, 384</del> ], 578, 579 187: [ <del>409, 410</del> ]
	RX specifications	180: <b>517</b> 181: 40, 463 183: 44, [ <del>465, 467</del> ] 185: 580 187: 417
	Optical channel specifications	[ <del>207, 208</del> ] [ <del>416, 383, 473</del> ] [ <del>335, 336, 337</del> ] 183: [ <del>425, 426</del> ] 185: <del>382</del>
	Power budget	[ <del>428</del> , 469, 474, 472] 180: [ <del>427, 470</del> ] 181: 464, 473 183: [ <del>502, 468</del> ]
<i>Note that comment resolution order may be readjusted.</i>		

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation

# Optical track #2

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Clause	Topic	Comments
	Delay	[ <del>414</del> , 415]
	RIN-OMA	[ <del>518</del> , 43, 44, 45, 46]
	TDECQ	[ <del>324</del> , 325] [ <del>17</del> , 48, 49, 20] 4
	TQM	185: <del>384</del>
	Connector labeling	[ <del>590</del> , 592, 587, 588, 589, 594]
	IEC revision	[ <del>338</del> , 344, 346] [ <del>342</del> , 350] [ <del>339</del> , 340, 341, 343, 345, 347, 348, 349, 351, 352, 353, 354, 355] [ <del>335</del> , 336, 337]
<i>Note that comment resolution order may be readjusted.</i>		

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation

# Logic track #1

Page done

Clause	Topic	Comments
174	Link fault signaling	385
175	FEC error counters	468
176	Test vectors (SM-PMA)	[298, <a href="#">loewenthal_3dj_01a_2406</a> ]
177	Inner FEC-syne	505
184	Algorithm	[ <del>613</del> , 97]
184	Diagrams	[ <del>372</del> , 373], [307, 560]
176	Subclause reorganization (SM-PMA)	[80, 485, 486, 487, 538]
175	timesyne	332
184	reorder	[178, 92]
184	Algorithm	93, 94, 96, 99, 100
<p>Note that comment resolution order may be readjusted.  <b>Cyan highlight:</b> pulled from bucket #1</p>		

Note: Comments #93 and #178 were pulled from the bucket during the June 10 logic track comment consideration (Day 2) call.

Legend: [##,##,##] = related comments, ## = pivot comment, [##,##,author\_nn] = related presentation

# Logic track #2

Clause	Topic	Comments (12 open)
476	Deskew (200GbE/400GbE)	<del>[368, 367, 594, 596, 598, shrikhande_3dj_01_2406]</del>
177, 184	pad insertion, functional	[84, 489], 89
477	Inner FEC syne	492 (withdrawn)
476	timesyne	597
73	Priority table	149
73	ITL-RTS-SI	194 <sup>†</sup>
416	skew (common)	531 <sup>†</sup>

Note that comment resolution order may be readjusted.

Cyan highlight: pulled from bucket #1

<sup>†</sup> These comments (from the common track) are included for discussion only, in an attempt to try and build some initial consensus within the logic track. These comments will not be closed in the logic track.

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# Buckets

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Bucket #1 (low-controversy T/TR) comments are listed in the following comment report:

[https://www.ieee802.org/3/dj/comments/D1p0/8023dj\\_D1p0\\_comments\\_proposed\\_bucket1\\_v2.pdf](https://www.ieee802.org/3/dj/comments/D1p0/8023dj_D1p0_comments_proposed_bucket1_v2.pdf)

The following comments were pulled from bucket #1:

40, 55, 62, 64, 78, 84, 89, 92, 93, 94, 96, 99, 100, 106, 129, 134, 149, 152, 178, 307, 321, 332, 390, 452, 489, 492, 510, 511, 512, 513, 514, 515, 523, 597 (34 comments)

Bucket #2 (E/ER) comments are listed in the following comment report:

[https://www.ieee802.org/3/dj/comments/D1p0/8023dj\\_D1p0\\_comments\\_proposed\\_bucket2\\_v2.pdf](https://www.ieee802.org/3/dj/comments/D1p0/8023dj_D1p0_comments_proposed_bucket2_v2.pdf)

No pulls from the bucket will be possible.

Responses for Bucket #1 comments (not pulled) and bucket #2 comments adopted on Thursday June 6.

# Withdrawn

The following comments were withdrawn (so far):

462, 578, 579, 580, 606, 607, 71, 70, 106, 181, 182, 581