

Editor's Report:

D3.1 Comment Stats and Big Ticket Items for Comment Resolution

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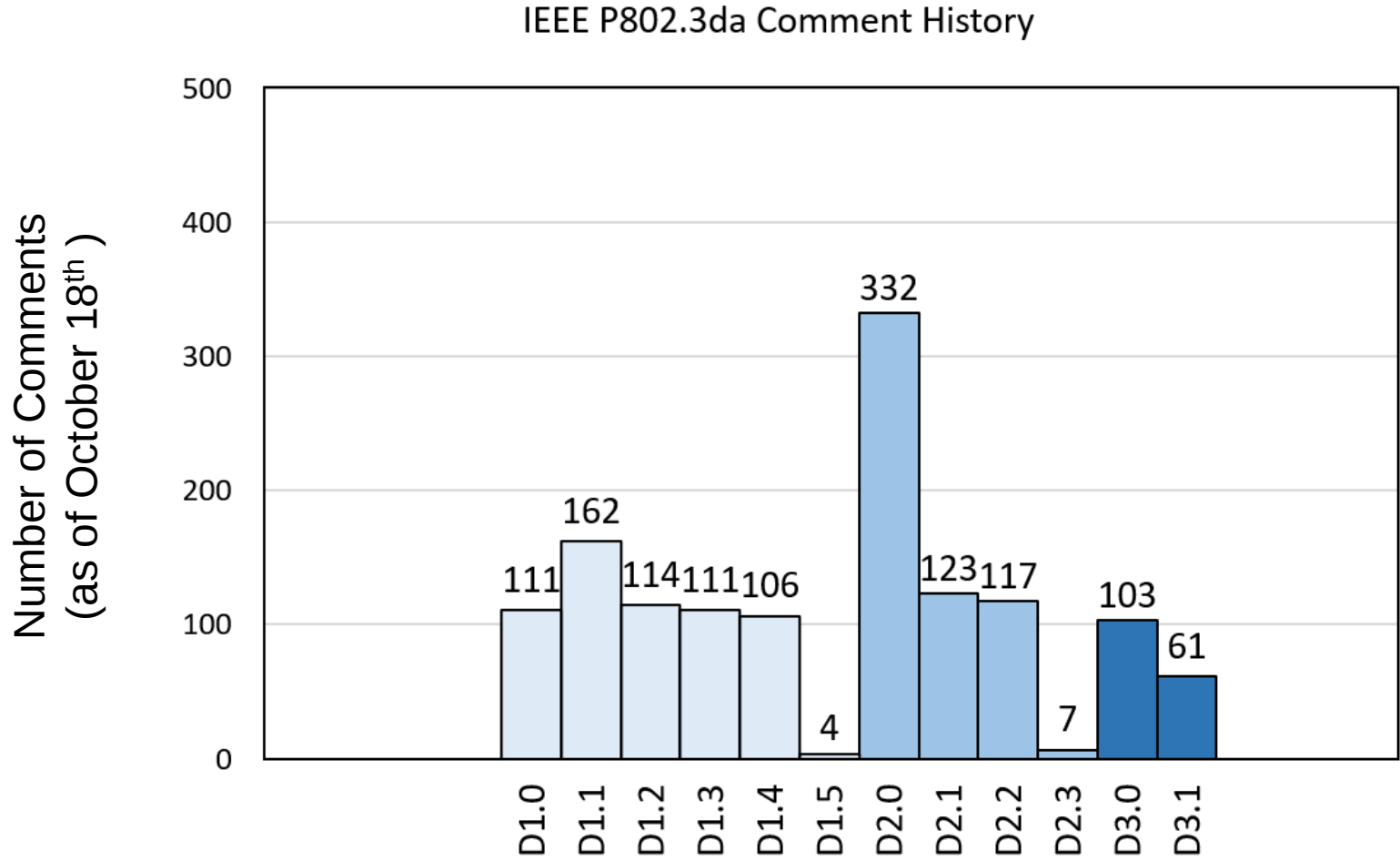
IEEE P802.3da Telephonic Interim

P802.3da d3p1 Vote Tally

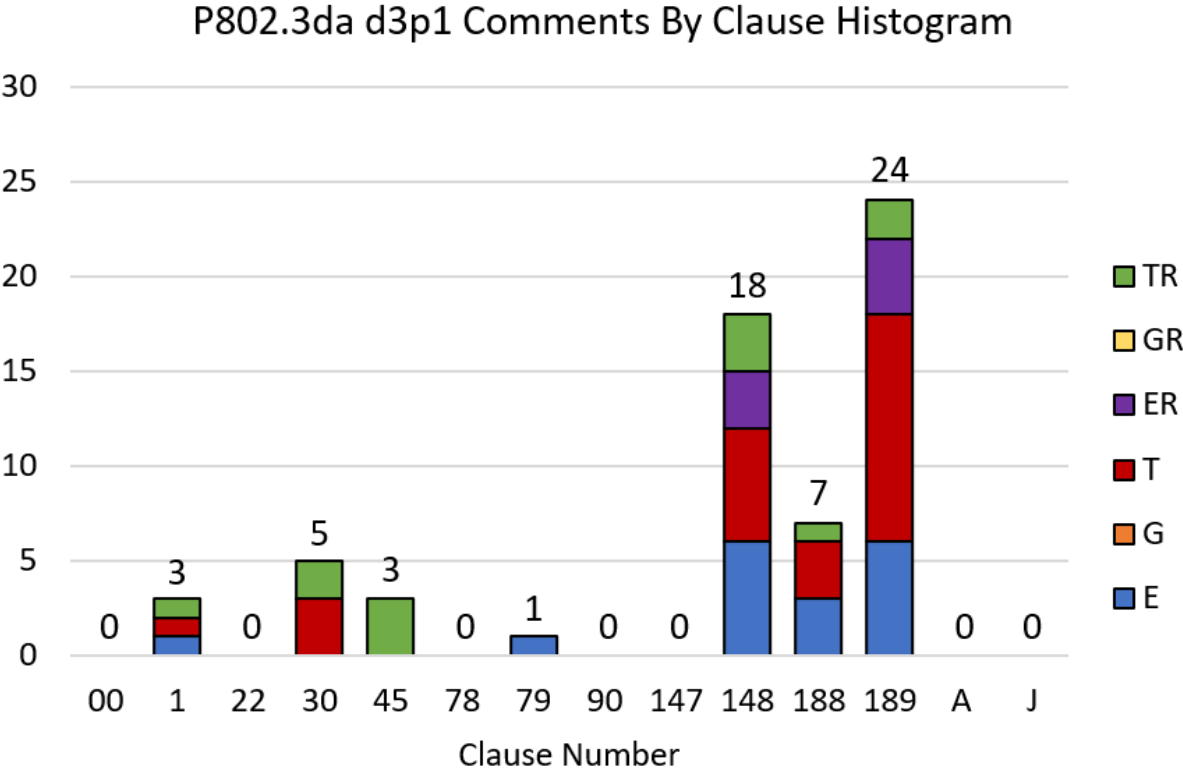
- The SA 1st recirculation ballot of IEEE P802.3da closed on October 16, 2025 AoE (23:59 UTC-12)
- Tally as of October 18th:

	Working Group ballot d3p1			Req %
	#	%	Status	
Abstain	6	7	PASS	< 30
Disapprove w/ comment	7	-	-	-
Disapprove w/o comment	0	-	-	-
Approve	72	91	PASS	≥ 75
Ballots returned	85	82	PASS	≥ 75
Voters	103	-	-	-
Comments	103	-	-	-
Comments w/ late	0	-	-	-

P802.3da Comment History



Draft 3.1 SA Ballot Review



Draft 3.1 SA Ballot Review, cont.

- Comment breakdown by Topic:

D-PLCA: 10	Isolation: 5	Return loss: 1
DTE: 2	MII: 1	State Diagrams: 4
Editorial: 16	MPI Group: 7	
EZ: 11	Power: 4	
Total: 61		

Big Ticket Items

- Things that require substantial technical checking or a tradeoff to be made
- Many comments are editorial, wording, or making definitions consistent
- Some though, require more checking, thoughts, or tradeoffs on how devices may be impacted – those are highlighted here

Big Ticket Item #1 – D-PLCA correctness

- Comments 31, 34, (35 & 60), 37 & 58
- Comments 31 & 37 align description with state diagram changes
- Comment 34 tunes the aging_cycles for better convergence
- Comments 35 & 60 revisit comment i-81, changing the highest claimed local_nodeID to 254.
- Comment 58 reinforces with a note that D-PLCA requires all nodes on the mixing segment have PLCA enabled.

These appear to have clear remedies, but please consider carefully as we have had a lot of churn here....

Big Ticket Item #2: TCI Return Loss (&power)

Comments: 25 & 30

Comment 25 addresses the misalignment of TCI return loss with measurements. See presentation.

It also addresses TCI insertion loss, which is misaligned

It points out, but does not resolve the mixing segment return loss...

Comment 30 addresses the fact that clause 188 devices must meet the return loss requirements, and requires a tradeoff:

Adjust the clause 188 return loss so that it is feasible with high current, AND accept physically large inductors on unpowered devices

OR: Accept 2 kinds of TCIs – those that can be plug & play on powered mixing segments, and those that may not be (proposed solution). Note if we do this, we may need labeling.

Is there a 3rd option?

Big Ticket Item #3: Extended Discovery

Comment #29

We have 6 mark events, but only 5 have defined meanings.

The MPSE state diagram sets the “extended_discovery” variable if we have a response to the 6th event

Table 189-8 (for the MPD) only shows the 5 with defined meanings.

We need to:

- At least add “extended_discovery” to Table 189-8 – and define how it relates to the other discovery events... (proposal)

- Consider whether “extended_discovery” meaning is vendor-specific or whether it is Reserved for future use in the standard.