



D3.3 Comment Resolution Summary

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IEEE P802.3ae




Voter Summary

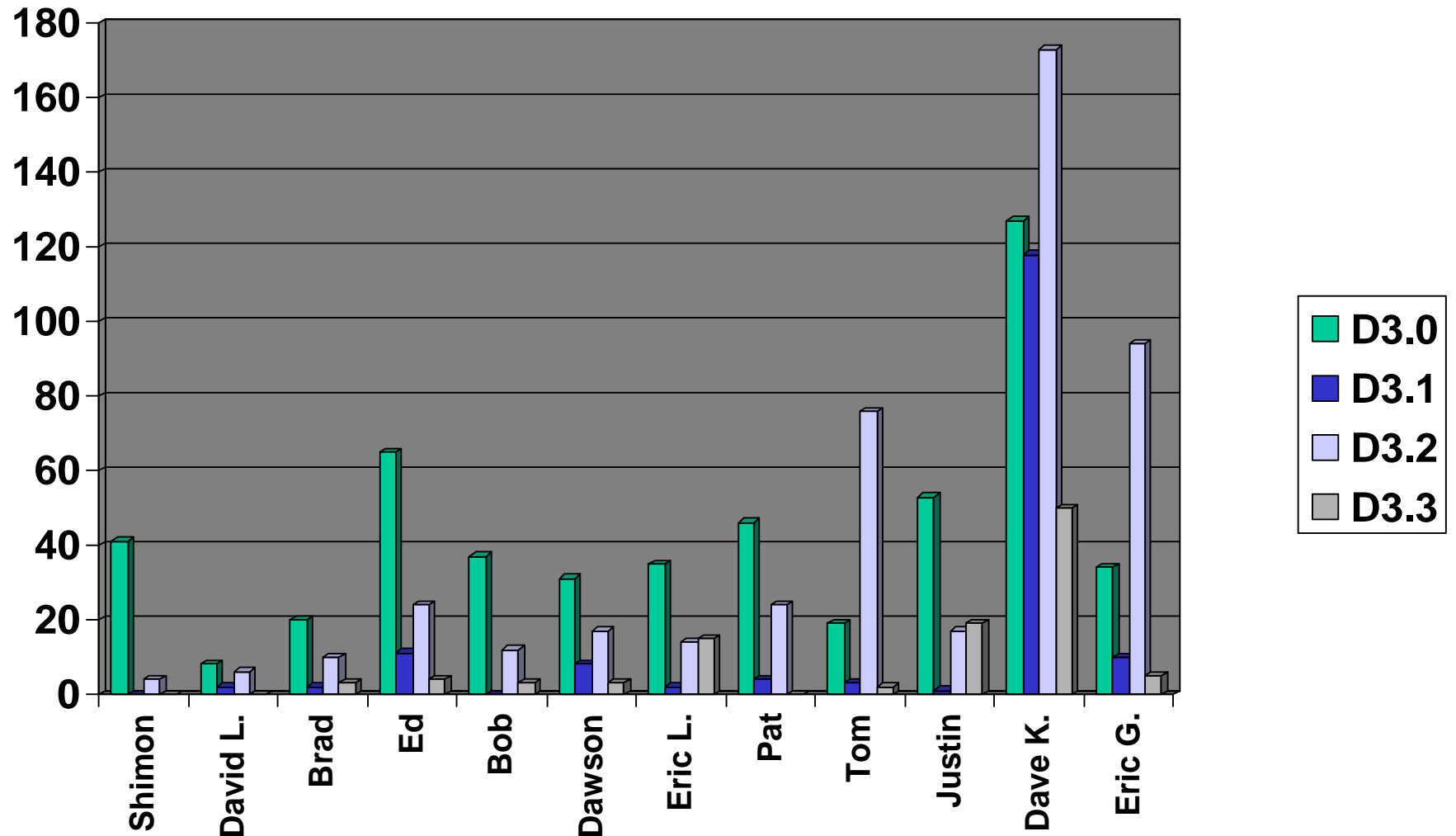
- Total Voters in Pool: 293
- **Tuesday morning**
 - Voters that submitted a ballot: 235
 - Voter Approvals: 173
 - Voter Disapprovals: 14
 - Voter Abstains: 48
- **Thursday morning**
 - Voters that submitted a ballot: 235
 - Voter Approvals: 186
 - Voter Disapprovals: 1
 - Voter Abstains: 48



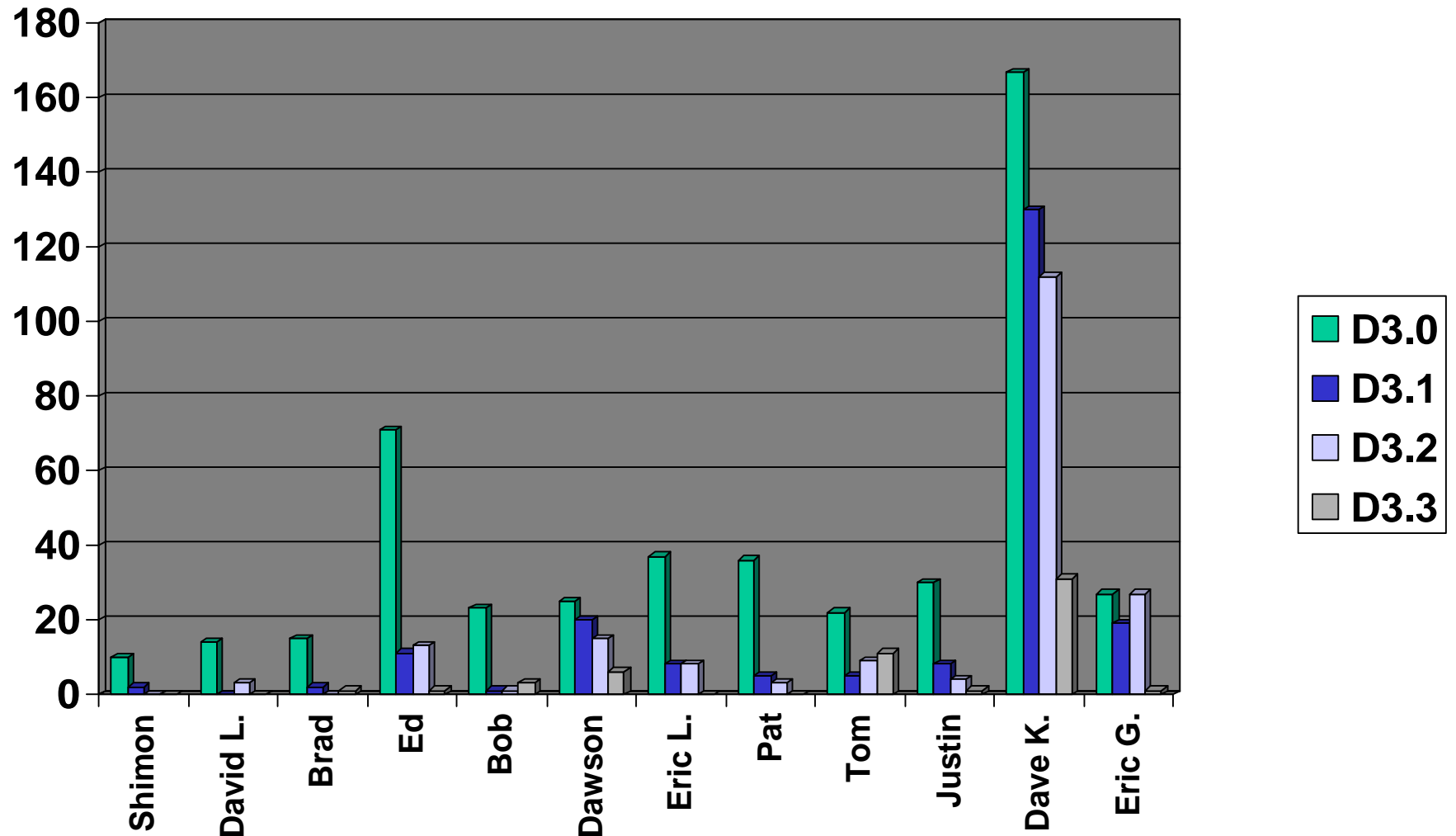
Ballot Summary

- Return Rate:
 - ?50% required
 - **80.2% achieved**
 - Approval Rate:
 - ?75% required
 - **99.5% achieved**
 - Abstain Rate:
 - ?30% required
 - **20.4% achieved**
- 

Editorial Comments



Technical Comments (T &TR)





Hot Ticket Items

- **Technical feasibility**
 - 2 TRs, resolved on Tuesday morning
- **PMD jitter measurement**
 - 2 TRs, resolved during meeting
- **XAUI return loss**
 - 2 TRs, resolved during meeting
- **XAUI random jitter**
 - 2 TRs, remain unresolved (Howard Baumer)
- **Loopback**
 - 1 TR, withdrawn
- **XGMII setup and hold**
 - 1 TR, resolved during meeting

Unresolved TR #99008

- **Comment**

The current transmit jitter specification allows for the near end random jitter to be as high as 8ps rms and the far end random jitter to be as high as 12.6ps rms. (Since the specification allows $D_j=0$ and $R_j=T_j-D_j(\text{actual})$ R_j can then equal T_j . For near end $R_j=0.35UI=112\text{ps}$ pk-pk which is 8ps rms $\{112/14\}$. For the far end $R_j=0.55UI=176\text{ps}$ pk-pk which is 12.6ps rms.) This puts an undue burden on the Receiver to be able to handle this large pure random jitter. A maximum random jitter should be specified.

- **Suggested Remedy**

Add a maximum random jitter specification that is not based on the deterministic jitter and add the constraint that the sum of the R_j & D_j has to be less than the T_j . Second to last sentence (lines 38-39) modified to read: "The maximum peak to peak random jitter, defined as $14 * \text{rms random jitter}$, shall be less than $0.22UI$. The sum of the measured deterministic and measured peak to peak random jitter shall be less than the total jitter". Table 47-1 in subclause 47.3.3 on page 334 will need to be updated with the maximum random jitter.

- **Response**

REJECT. The working group desires further investigation of an appropriate RJ limit. The editor asks that the commentor determine an RJ limit acceptable to the working group and then resubmitted this comment.

As of November 15, 2001, the commentor has provided no new information during the last 5 months justifying a need for a change, and the committee is satisfied with the current specifications.



Unresolved TR #99009

- **Comment**

There is no specific random jitter specified for the receiver jitter tolerance. This results in the same problem illustrated in my comment #99008.

- **Suggested Remedy**

Add the following sentence to subclause 47.3.4.5 between the sentence on specifying Dj and the sentence specifying Tj: "The maximum peak to peak random jitter, defined as $14 * \text{rms random jitter}$, shall be less than $0.22U_i$."

- **Response**

REJECT. See response to #99008.

Next Steps

- **D3.4 comment and ballot cycle**
 - Target opening date: Nov. 16th
 - Target closing date: Dec. 1st
 - IFF, no new technical comments and no new disapproves and conditional SB approval, then 802.3ae will go to SB in December

Motion

P802.3ae requests the following:

IEEE 802.3 requests that the Sponsor Executive Committee forward IEEE P802.3ae/D4.0 for Sponsor ballot and recirculations conditional upon successful completion of Working Group ballot as per LMSC Operating Rules Procedure 10.

Furthermore, IEEE 802.3 requests that the Sponsor Executive Committee grant conditional approval to forward IEEE P802.3ae/D4.1 to RevCom based on successful Sponsor ballot satisfying the conditions of LMSC Operating Rules Procedure 10.

Moved: Brad Booth

Second: Bob Grow

802.3ae Y: 45 N: 0 A: 2 Technical (>75%) PASS

802.3 Y: N: A: Technical (>75%) PASS/FAIL

802 Affirms Yes/No



Thanks!

Comments?

Questions?