

802.3db Editors' Report and Comment Agenda

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IEEE P802.3db 100 Gb/s, 200 Gb/s, and 400 Gb/s Short Reach Fiber Task Force
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D1.1 Task Force Review

- Draft 1.1 opened for comments 2021 Jun 14
- Draft 1.1 closed for comments 2021 Jun 25
- Total 74 comments from 8 individuals
- Thanks to all who submitted comments
- Comments received posted 2021 Jun 30
- Proposed responses updated on 2021 Aug 11
- Comment resolution on 2021 Jul 1, 19, and 29, and Aug 5
 - Resolved 27 comments
 - Bucket 34
 - To be resolved 13

Topics

Receiver sensitivity	10, 45, 46, 47, 48, 56
Center wavelength for VR	2, 13 [lewis], 15, 65 [murty], 70
TDECQ for VR	14, 16, 63, 67
Reference equalizer for VR	64 [ghiasi], 71
TDECQ other	3, 4, 11 [tang], 44, 72 [ghiasi]
Reference equalizer other	5, 6, 7, 60
Link budget	17, 57
Overshoot	66
MDI	74
General	1, 12, 22, 32, 33, 35, 36, 39, 40, 43
Bucket	8, 9, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 34, 37, 38, 41, 42, 49, 50, 51, 52, 53, 54, 55, 58, 59, 61, 62, 68, 69, 73
34 comments in bucket.	
Highlighted comments resolved.	

Meeting Goals Today

- ☐ Today review comments related to

- Max TDECQ for VR 14, 16, 17, 63, 67, 44
- Test methodology for VR 65 [[murty](#)]
- K and K' 3
- Alternate reference equalizer 6
- Overshoot 66
- General 22, 32, 33

- ☐ Presentations associated with comments will be reviewed during comment resolution

- ☐ T and TR will be treated with the same status; no signoff required

- ☐ E and ER will be treated with the same status; no signoff required

Considerations for Max TDECQ

1. Make max TDECQ same for VR and SR because worst case fiber bandwidth is close.
2. Estimate the impact of changing threshold adjustment from $\pm 1\%$ to $\pm 2\%$ on TDECQ values.
3. Discussion on max TDECQ has settled between 4 and 4.4 dB.