

Key Focus Areas

P802.3cd plans for Sponsor Ballot

Sponsor Ballot logistics

Sponsor Ballot is now open

- Close date Dec 15th, 2017 (11:59 ET)

January Interim

- Jan 22nd-26th, 2018 - Geneva
- All received comments will be addressed and D3.1 will be recirculated.

Therefore anyone with any concerns, fixes, improvements, interests in maintaining status quo or other motivations is strongly encouraged to:

- Submit comment before Dec 15th (Dec 11th for non-Sponsor pool commenters)
- Provide supporting data for their comment before Jan 16th (presentation request deadline)
- And ideally have already worked to build consensus on their position BEFORE the January interim
 - Hint: We have ad hocs planned for 11/29, 12/6, 12/13, 12/20, 12/27?, 1/3, 1/10, 1/17

P802.3cd D3.0 - Key Areas of Focus

Some will call these identified areas as “Big Ticket Items”, while others will consider the spec is fine.

The following is a summary list of areas where there appears to be interest in making improvements or for gathering more data to confirm what is already in the spec.

Do not consider this a comprehensive list - if you have other things to add speak up on the call or just start using the reflector or ad hocs.

We are a contribution driven activity - with contributions we make informed decisions and solid specifications

Reflector: stds-802-3-50G@listserv.ieee.org

Intro/RS/PMA/PCS/FEC (Clauses 131-135)

No known issues

CR and KR PMDs (Clauses 136+137)

Return loss specifications or replacement method (Tx, Rx, channel)

Tx specifications:

- SNDR, SNR_{ISI} , J4 -> J3u
- AC coupling in test setup (new issue, not brought up earlier)

RITT: Cable assembly used in test channel and calibration

COM parameters:

- Characteristic impedances (Z_c) for package and PCB models
- Termination values
- SNR_{TX}

Optical Clauses (CI 138, 139, 140)

Confirm optical specifications & methodologies:

- CI 138 (MMF) which is all new
- TDECQ and related specs
 - Continuing concern about improvements but not yet any conclusive evidence that current spec is broken.
 - Any changes/improvements/optimizations need a case built around evidence with subsequent consensus building

SRS methodology/implementation

- Same comments as above

Jitter

- Spec change regarding 4 MHz jitter corner frequency for 100GBASE-DR

Misc

Editor's notes

Alignment with 802.3cj 2018 revision underway

Next Steps

Thank you for your careful review of D3.0

- Ballot closes Dec 15th (23:59 ET)
<http://www.ieee802.org/3/cd/email/msg00351.html>

Be sure to submit comments and contributions during this initial ballot or else it risks being overtaken by process (e.g. scope reduction)

** Be kind to the editorial team - don't leave everything to last minute **

- Not only a plea about comment submittals. Proposed responses are highly influenced by the work that happens in the ad hocs or discussions that happen on the reflector.