

IEEE P802.3dm

Suggested areas to consider for WG ballot review

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Clause 191 (Formerly 201)

- PHY control state diagram and link synchronization state diagram – These are new for 3dm
- Coax link segment requirements — Including the relationship with other standards and existing applications
- Test coverage — maximum voltage swing, noise coupling from the power delivery path, test consistency across modes, and tests related to crystal-less operation
- Readability improvements — Reducing excessive cross-referencing and in-text “jumping” to improve flow and usability for the reader (is the cross-reference necessary or informative?)
- Clause 149 material referenced by Clauses 191 and 192 — We should review all content in Clause 149 that is cited in 191 and 192 to verify it is consistent with 802.3dm requirements and intent
- Additional noise sources that should be considered
- PICS

Clause 192 (Formerly 202)

- Transmit/received bit ordering figures (202.3.2.2.2)
- TDD frame structure and burst timing (202.3.6)
- PHY capability bits (202.4.2.4.5)
- Review state diagrams, especially PMA and PHY Control – look for corner cases
- Coax link segment requirements — Including the relationship with other standards and existing applications
- PICS

Clause 45

- Any additional registers needed, e.g. for TDD startup/negotiation processes, etc.?
- Any registers used whose definition needs updating, e.g. missing references to Clause 191 or 192?
- References needed in Clause 191 or 192 to the registers used?
- PICS additions/changes?

Clause 98 & Annexes

- Any changes needed for Asymmetric?
 - Changes may be needed as the devices that communicate are complimentary instead of identical.
 - Are there text changes needed to clarify the new table type?
- Any additional changes/clarifications needed for –T1 vs. –V1?
- PICS additions/changes?

Thanks!
