

Editor's Report

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P802.3da Editorial Team

- Clause split is still mostly TBD, depends on detail
- Valerie Maguire, Managing Editor
 - Front matter, Clause 1, Definitions
 - Minor changes to existing clauses
 - Clause coordination (assemble book, etc.)
- George Zimmerman, Senior Editor
 - Powering clause
- Jon Lewis, Figures and IEEE 802.3 Chief Editor
 - State diagrams, figures, editorial Advice
- Help appreciated – best if text is provided in word

P802.3da Draft 0.6 Status

- Clause 1 - Definitions & References
 - Only definition for new PHY name, 10BASE-T1M, right now – review other sections for new definitions (DPLCA?)
- Clause 30 - Management Objects
 - New capabilities for DPLCA, needs review (aDPLCAWaitBeaconTimer behavior when not set and reset/power on behavior)
- Clause 90 – TSSI for half-duplex
 - But needs alignment with 802.3de & 802.3cx
- Clause 148 PLCA – DPLCA changes in - need review
 - Changes to fix state diagram race conditions will be in next draft for review
- Clause 168 10BASE-T1M PHY – uses Clause 147 as basis, see slide 5
- Clause 169 Power over Multidrop SPE – not started, needs baselines

Clauses which may need something, but not in draft 0.6

- Clause 22 Reconciliation Sublayer and MII ; Clause 78 EEE
- Clause 45 with MDIO registers – NOT TOUCHED YET (dependent on PHY changes)
- Clause 79 LLDP and TLV elements ;
 - Dependent on powering, additional PHY features
- Clause 147 10BASE-T1S – any changes or updates?
 - Possible – if not new PHY clause, that amendments are made instead of writing Clause 168

Clause 168 – 10BASE-T1M

- Motion from 11/18/2020 (yes, 2020) approved Clause 168,
 - From clause 147 as modified in slides 3 through 7 of [zimmerman_3da_01_111820a.pdf](#)
 - Need to align with any clause 147 changes in 802.3 revision
- Notes:
 - 168.5.4.2 - Droop test? or more DME-appropriate TX specification
 - 168.5.5.2 – Change definition of Alien noise source?
 - 168.7 – Mixing segment specs (and subsections) need overhaul
 - 168.8 – MDI specification – similar – needs overhaul
 - 168.9 – Needs alignment with revision

Progress on objectives – in process

- Objective 5: Support optional TSSI – seems complete
- Objective 3: Specify optional PLCA node allocation
 - DPLCA is done, Clause 30 needs review
 - If using LLDP, also need to define TLVs and any Clause 79 changes
- Objectives 9, 10, 11: Specify optional plug-and-play powering
Need discussion of details or strawman text to adopt...
- PHY objectives: See Clause 168 slide

THANK YOU!