

Editor's Report

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P802.3da Editorial Team

- Clause split is still mostly TBD, depends on detail
- George Zimmerman, Senior Editor
- Valerie Maguire, Managing Editor
 - Front matter, Clause 1, Definitions
 - Minor changes to existing clauses
 - Clause coordination (assemble book, etc.)
- 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 0.7 Status

- All – Aligned with IEEE Std 802.3-2022 and amendments through .3de
- Clause 1 - Definitions & References
 - Only definition for new PHY name, 10BASE-T1M, right now – review for additions
- Clause 30 - Management Objects
 - New capabilities for DPLCA, needs addition:
 - aDPLCAWaitBeaconTimer behavior when not set and reset/power on behavior
- Clause 90 – TSSI for half-duplex (now aligned with 802.3de/802.3dx) – should be done
- Clause 148 PLCA – DPLCA changes, fixes to state diagrams in - need review
- Clause 168 10BASE-T1M PHY – uses Clause 147 as basis, has mixing segment text
- Clause 169 Power over Multidrop SPE – not started, needs baselines

Clauses which may need something, but have nothing so far in draft 0.7

- 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

- Motions from filled in substance:
 - PHY: from Clause 147 - need review to align with any changes in 802.3 revision
 - Mixing segment: slides 3-5 of [diminico_SPMD_02_06292022](#)
- PHY-related additional technical Notes (need review):
 - 168.5.4.2 - Droop test? or more DME-appropriate TX specification
 - 168.5.5.2 – Change definition of Alien noise source?
 - 168.9 – Needs alignment with revision (missed in creating d0.7)
- Big ticket items:
 - 168.7 – Mixing segment specs, and MDI specifications (and subsections)
 - 168.8 – MDI specification – similar – needs overhaul

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 – need work...
 - **Areas other than the mixing segment/MDI have been identified!**

THANK YOU!