P802.3ch Draft 0.2.2

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IEEE P802.3ch

P802.3ch Editorial Team

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- Front matter, Clause 1, Definitions

- Clause 30 Management

- Clause 45 Management Data Input/Output (MDIO) Interface

- Clause 78 Energy-Efficient Ethernet (EEE)

- Clause 98 Auto-Negotiation for single differential-pair media

- Clause 104 Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet

- Clause 149 Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 2.5GBASE-T1

- Clause 150 Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer and baseband medium, type 5GBASE-T1 and 10GBASE-T1

▪ Curtis Donahue, Editor

- PICS

Draft 0.2.2 Chief Editor's Notes

- Draft 0.2.2 is based on the 802.3bp structure with information also pulled from 802.3cg and 802.3bz

- Includes the baseline Link Segment IL and RL limit equations and graphs as approved at the January meeting in clauses 149 and 150.

- The front matter abstract has been added which explains the purpose of this amendment to IEEE Std 802.3. This is based on the PAR and Objectives text that was approved.

- Definitions for each of the PHY types have been added to section 1.4.

- This document has many empty sections that need to be filled in. This should be used as a guide for the information that is needed at future meetings to complete the spec.

P802.3ch Draft 0.2.1 Structure

- Typical legacy clause content:
  - Frontmatter with Abstract
  - Clause 1 with definitions
  - Clause 30 with management objects
  - Clause 45 Management Data Input/Output (MDIO) Interface

- Placeholders for existing clauses included, required or mentioned in our objectives:
  - Clause 78 Energy-Efficient Ethernet (EEE)
  - Clause 98 Auto-Negotiation for single differential-pair media
  - Clause 104 Power over Data Lines (PoDL) of Single Balanced Twisted-Pair Ethernet

- Additional clauses included
  - Clause 149 2.5GBASE-T1
  - Clause 150 5GBASE-T1 and 10GBASE-T1

Clause Status: 1, 30, 45, 78, 98 and 104

- Progress has been made in the Frontmatter, Clause 1 and Clause 30 to include definitions, abbreviations and naming conventions

- Clauses 45, 78, 98 and 104 are placeholders and do not contain any information at this time

Clause Status: 149 and 150

- Clause 149 is PCS and PMA/PMD clause for 2.5GBASE-T1

- Clause 150 is PCS and PMA/PMD clause for 5GBASE-T1 and 10GBASE-T1

- These clauses currently include draft content for the beginning of the overview section
  - Some of the content in these sections is highlighted in yellow to indicate it is draft text that needs to be confirmed, updated or completed
  - In most cases, this yellow text is based on content in Clause 98

- X.7 Link segment characteristics includes the approved IL and RL equations and limit lines as approved at the January meeting

THANK YOU