



# 2.5GBASE-X Proposed Draft Commentary

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## Preliminaries

- ▶ Proposed Draft in Lo\_3cb\_02\_0216.pdf
- ▶ Started numbering as Clause 200. Actual clause # not assigned yet.
- ▶ References within 802.3cb highlighted in yellow (Table 200–1)
- ▶ References not in 802.3cb but somewhere else in green font (Clause 46)
- ▶ Frame Maker Editor's notes in red (Copy figure...) - do not include this in text
- ▶ IEEE editors note in black bold italics (*Editor's Note: TBD should ...*) – these are part of the text

## General Changes

- ▶ **Followed Clause 36 flow with some clause 48 text thrown in where it made sense.**
- ▶ **Followed the operating principles in Lo\_3cb\_01a\_0116.pdf**
- ▶ **Introduced the Word Encode, Word Serializer, Word Alignment, Word Decode process and formalized their definition**
  - XGMII to GMII conversion
- ▶ **Introduced 2.5GPII and formalized the definition**
  - All references to GMII is now with 2.5GPII
- ▶ **Modified PCS Transmit and Receive process**
  - Eliminated all half duplex operation
  - Eliminated all mechanics to support Clause 37 Auto-Negotiation
  - Introduced Sequence ordered\_set
- ▶ **PMA**
  - Largely unchanged from Clause 36 except to speed up
  - Did not include the physical instantiations of the PMA in Clause 36

# Open Issues

- ▶ **200.3.4 Test Functions**
  - Do we want to add any additional testing beyond Annex 200A?
- ▶ **200.5 Delay Constraints**
  - Need some analysis to specify a good number
- ▶ **200.6 Environmental specifications**
  - Is what is currently specified for 10GBASE-KX4 sufficient?
- ▶ **200.7 PICS**
  - Need a PICS editor
- ▶ **Annex 200B**
  - Will be released by March Plenary meeting
- ▶ **Misc TBDs**
  - Need to point to references once PMD section written

## How you can help

- ▶ **Changes now before we release draft rev 0.1 can be informally fixed**
- ▶ **After that need to go through comment resolution process**
- ▶ **Look for typos, grammar**
- ▶ **Highlight sections not clear**
- ▶ **Highlight technical errors**
- ▶ **Important thing is to suggest a fix on what you highlight**
- ▶ **Convert diagrams into FrameMaker format**

# THANK YOU