

# Chief Editor's Report

IEEE 802.3  
P802.3cz Multi-Gigabit Optical Automotive Ethernet  
Task Force

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Ad Hoc Task Force teleconference, 12 January 2021

# Summary

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- Draft 1.0 content
- Draft 1.0 structure
- Commenting the Draft: Guide and Deadlines
- Next steps

# Draft 1.0 Content

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- Baseline for PCS and PMA for 2.5, 5, 10 and 25 Gb/s as approved by the TF
  - PCS 64B/65B encoding and PCS state machine
  - PMA Binary additive scrambler, Physical header data, CRC calculation, RS-FEC and PMA state machines
  - OAM channel reusing BASE-H OAM channel
- Placeholders for remaining technical content
  - PMD requirements
  - Test methods
  - Energy-Efficient Ethernet (EEE)
  - PCS, PMA and PMD requirements for 50 Gb/s
- Available in the TF Private Area (<https://www.ieee802.org/3/cz/private/index.html>)

# Draft 1.0 Structure

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- Clause 1: Introduction
- Clause 30: Management
- Clause 44: Introduction to 10 Gb/s baseband network
- Clause 45: Management Data Input/Output (MDIO) Interface
- Clause 78 Energy-Efficient Ethernet (EEE)
- Clause 105: Introduction to 25 Gb/s network
- Clause 115: (Editorial modifications to reuse BASE-H OAM in 802.3cz)
- Clause 125: Introduction to 2.5 Gb/s and 5 Gb/s network
- Clause 131: Introduction to 50 Gb/s network
- Clause 300: Physical Coding Sublayer (PCS), Physical Medium Attachment (PMA) sublayer, and Physical Medium Dependent (PMD), types 2.5GBASE-AU, 5GBASE-AU, 10GBASE-AU, 25GBASE-AU, and 50GBASE-AU

# Commenting the Draft. Guidelines

- We will use the IEEE 802.3 comment tools ([http://www.ieee802.org/3/WG\\_tools/index.html](http://www.ieee802.org/3/WG_tools/index.html))
  - I strongly recommend the use of the “comment entry spreadsheet” tool
- The spreadsheet tool has the following fields:

Category	Page	Sub-clause	Line #	Comment	Proposed Change	Must Be Satisfied
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- There is no vote during Task Force review, therefore, please ignore the “Must be Satisfied” field.
- Category can be Technical, Editorial or General. Please fill following your criteria.
- Please identify the specific text that is problematic for you, and quote it if possible in the comment field
- Always write a proposed change.
  - In the case that you think that the text is not clear enough, **please state what the ambiguity is to be resolved.**
  - Try **to be specific** and **provide a technical direction to fix the issue.** Do not use generic comments as “Needs to be improved” or “Needs to be fixed”
  - In case that the required change/fix is too complex to be written in the spreadsheet tool, please provide a presentation with your proposal, and fill the Proposed Change field with the name of the presentation jointly with a summary of your proposed remedy

# Commenting the Draft. Deadline

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**Send your comments to your Chief Editor (Luisma Torres) and the TF Chair (Bob Grow) by Friday February 26**

# Next Steps

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- Propose and adopt baseline for 2.5/5/20/25 Gb/s PMD, MDI and medium
- Propose and adopt baseline for 50 Gb/s PCS/PMA/PMD, MDI and medium
- Propose and adopt P802.3cz extensions to EEE
- Propose and adopt test modes and test cases

Thanks!

Questions?