

# Chief Editor's Report

IEEE 802.3

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

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P802.3cz Editor-in-Chief, KDPOF

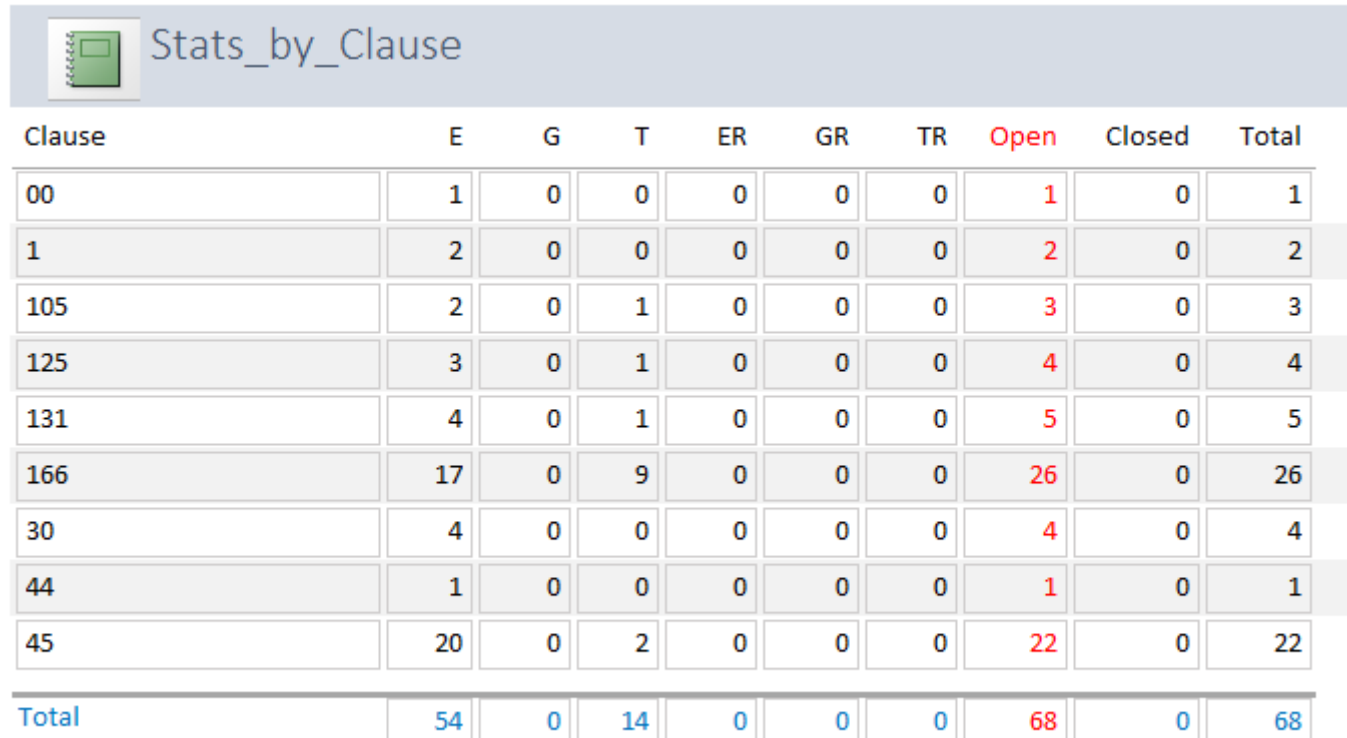
Ad Hoc Task Force teleconference, 8 June 2021

# Summary

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- Received comments stats
- Comment resolution agenda and roadmap
- Thanks to commenters
- Next steps
  - Expected PMD contributions
  - Expected PCS/PMA contributions

# Received comments stats



The image shows a screenshot of a table titled "Stats\_by\_Clause". The table has 10 columns: Clause, E, G, T, ER, GR, TR, Open, Closed, and Total. The rows list various clause numbers and their corresponding comment counts. The 'Open' column is highlighted in red, and the 'Total' column is highlighted in blue. The table is presented as a screenshot of a document page.

Clause	E	G	T	ER	GR	TR	Open	Closed	Total
00	1	0	0	0	0	0	1	0	1
1	2	0	0	0	0	0	2	0	2
105	2	0	1	0	0	0	3	0	3
125	3	0	1	0	0	0	4	0	4
131	4	0	1	0	0	0	5	0	5
166	17	0	9	0	0	0	26	0	26
30	4	0	0	0	0	0	4	0	4
44	1	0	0	0	0	0	1	0	1
45	20	0	2	0	0	0	22	0	22
<b>Total</b>	<b>54</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>68</b>

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- 68 comments
  - 54 Editorial
  - 14 Technical
- Most of the Technical comments on Clause 166 related with typos
- Many comments about Clause 45 and the editing instructions to include the required changes in 802.3 standard document

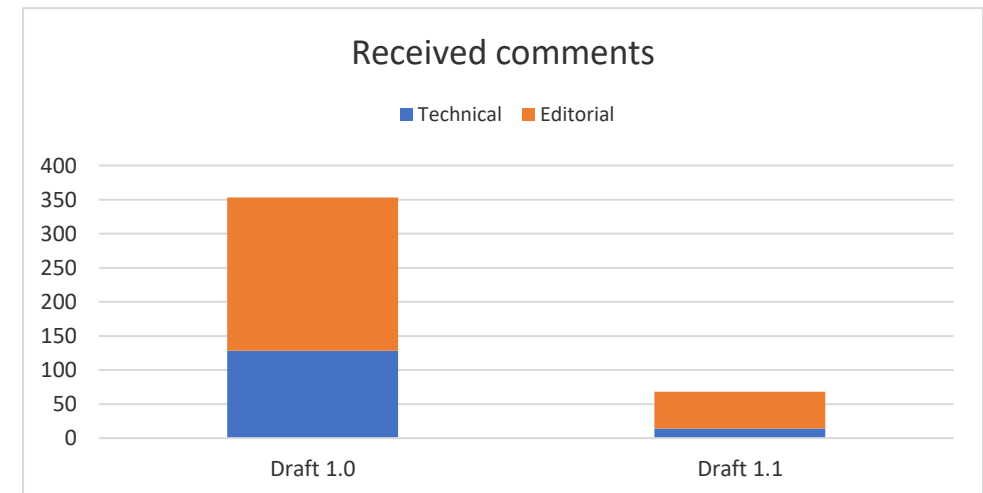
# Received comments stats

Stats\_by\_Topic viernes, 4 de junio de 2021  
12:54:48

Topic	E	G	T	ER	GR	TR	Open	Closed	Total
Bad reference	13	0	0	0	0	0	13	0	13
Clarification-Technical	2	0	3	0	0	0	5	0	5
Editing instructions	13	0	0	0	0	0	13	0	13
Editorial-Layout	3	0	0	0	0	0	3	0	3
Grammar and syntax	21	0	0	0	0	0	21	0	21
Technical	1	0	5	0	0	0	6	0	6
Typo-Technical	1	0	6	0	0	0	7	0	7
<b>Total</b>	<b>54</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>68</b>

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- Sorted into 7 different topics
- It would be helpful that a native English speaker revises “Grammar and syntax” bucket



# Comment Resolution Roadmap

Order	Topic	Number of comments	First comment	Description
1	Technical	6	#19	Technical comments that should be resolved one by one
2	Clarification technical	5	#11	Technical comments that asked for a clarification on a technical requirement
3	Typo technical	7	#22	Detected typos that affect to a technical requirement
4	Bad reference	13	#3	Wrong links, including wrong register numbering
5	Editing instructions	13	#4	Wrong editing instructions or clause numbering
6	Editorial layout	3	#67	Comments on the page, figures or text layout and/or format
7	Grammar and syntax	21	#1	Comments on grammar and syntax

- Technical: Technical comments with potential impact in the specifications
- Clarification technical: Comments with no impact in the specifications, but asking for additional sentences/details around a shall statement.
- Typo technical: A typo introduced in the draft (commonly a wrong number) related with a shall statement.

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7	Grammar and syntax	21	#1	Comments on grammar and syntax

- Bad reference: Wrong link to a subclause or to a register.
- Editing instructions: Comments on editing instructions to include the text in the Draft into the 802.3 standard. See next slides for **proposed action**.
- Editorial layout: Comments on page, figures or text layout and/or format.
- Grammar and syntax: Comments on grammar and syntax improvements of the text. See next slides for **proposed action**.

# Editing instructions: a moving target

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- **P802.3cz/D1.1 has been written assuming that it will be an amendment to the next revision of IEEE Std 802.3**, but many of the editing instructions are written referencing IEEE Std 802.3-2018 and its approved and proposed amendments.
- **P802.3cz/D1.1 was completed about the same time the first draft of IEEE Std 802.3 (P802.3/D1.0) was announced for the IEEE 802.3 revision.**
  - P802.3/D1.0 includes the 11 published amendments to IEEE Std 802.3-2018.
  - The IEEE SA Standards Board approved Amendment 12-P802.3cv/D3.1 May 9th. This approved amendment is not included in P802.3/D1.0 but will be “rolled-up” in P802.3/D1.1.
  - Amendment 13-P802.3ct/D3.4 and Amendment 14-P802.3cp/D3.2 have been submitted to RevCom for consideration in June. Both these projects are currently in what is expected to be their final SA recirculation ballot. Similarly, these two amendments once approved and published will be “rolled-up” into a future P802.3 draft.
  - Additional amendment projects may also be rolled-up into P802 during its review and balloting.
- **P802.3cz will be an amendment to the future revision IEEE Std 802.3-20xx (P802.3).**
- P802.3cz/D1.1 includes Clause 45 register numbering synchronized with other IEEE projects
- **Proposed action: Synchronize editing instructions with last P802.3 Draft in P802.3cz/D1.2**
  - Therefore, we automatically resolve the editing instructions bucket.

# Grammar and syntax

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- There are 21 comments that improve grammar and syntax of the text.
- Call to native English speakers: please revise this Bucket and provide feedback.
- **Proposed action: Accept all proposed remedies at the end of the D1.1 comment resolution unless any feedback is received.**



# Thanks to the commenters!

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**Please keep on commenting and improving our Draft**

# Next Steps

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- ToDo list needs due dates for
  - VCSEL + GIPOF PMD tasks
  - Silicon Photonics + OM2/OM3 PMD tasks
  - Silicon Photonics + GIPOF PMD tasks
- TF participants should propose contributions and due dates to be included in the ToDo list.
- After 50 Gb/s PCS/PMA motion failed last meeting, new proposal about 50 Gb/s PCS/PMA is expected from the TF participants.

# VCSEL + OM3 PMD

- Committed presentations completed.

Task	Subtask	Owner	2021																									
			Apr		May				Jun				Jul				Aug		Sept			Oct		Nov			Dec	
			13	27	11	18	25	26	8	15	22	29	13	14?	20	21?	10	24	7	IN	28	12	26	9	PL	30	14	28
VCSEL + OM3 PMD																												
	50Gb/s over 15m + 2IL Link Budget	Rubén Pérez de Aranda																										
	VCSEL reliability	Joseph Pankert																										

# VCSEL + GIPOF PMD

- Need to fill due dates

Task	Subtask	Owner	2021																									
			Apr		May				Jun				Jul				Aug		Sept			Oct		Nov			Dec	
			13	27	11	18	25	26	8	15	22	29	13	14?	20	21?	10	24	7	IN	28	12	26	9	PL	30	14	28
VCSEL + GIPOF PMD																												
	Bandwidth and attenuation measurements with consensus among independent laboratories at 850 nm and 980 nm	Takayama-san																										
	Link budget revision (25Gpbs objective not reached)	Takayama-san																										
	50Gb/s over 15m + 2IL Link Budget	Takayama-san																										
	VCSEL reliability (same as VCSEL +OM3)																											
	Relative cost comparison	Takayama-san																										

# Silicon Photonics + OM2/OM3 PMD

- Need to fill due dates

Task	Subtask	Owner	2021																									
			Apr		May				Jun				Jul				Aug		Sept			Oct		Nov			Dec	
			13	27	11	18	25	26	8	15	22	29	13	14?	20	21?	10	24	7	IN	28	12	26	9	PL	30	14	28
Silicon Photonics + OM2/OM3 PMD																												
	Attenuation and bandwidth measurements with consensus among independent laboratories at 1310 nm	Ogura-san /Richard Pitwon																										
	2.5, 5, 10, 25Gb/s over 40m + 4 IL Link Budget in the temperature range	Ogura-san /Richard Pitwon																										
	50Gb/s over 15m + 2IL Link Budget in the temperature range	Ogura-san /Richard Pitwon																										
	Silicon photonics system reliability for automotive	Ogura-san /Richard Pitwon																										
	Relative cost comparison	Ogura-san /Richard Pitwon																										
	Ability to produce in automotive volumes	Ogura-san /Richard Pitwon																										

# Silicon Photonics + GIPOF PMD

- Need to fill due dates

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			Apr		May				Jun				Jul				Aug		Sept			Oct		Nov			Dec	
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	Relative cost comparison	Ogura-san /Richard Pitwon																										
	Ability to produce in automotive volumes	Ogura-san /Richard Pitwon																										

# Important dates

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- Comment Resolution will start next week (15 June)
  - Please, revise proposed response to the comments and “Grammar and syntax” bucket
- 50Gb/s PCS/PMA baseline approval needed to continue drafting.
- TF participants are encouraged to provide due dates for GIPOF and Silicon Photonics PMD contributions to be included in the ToDo list today

Thanks!

Questions?