

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, 21 July 2021

Summary

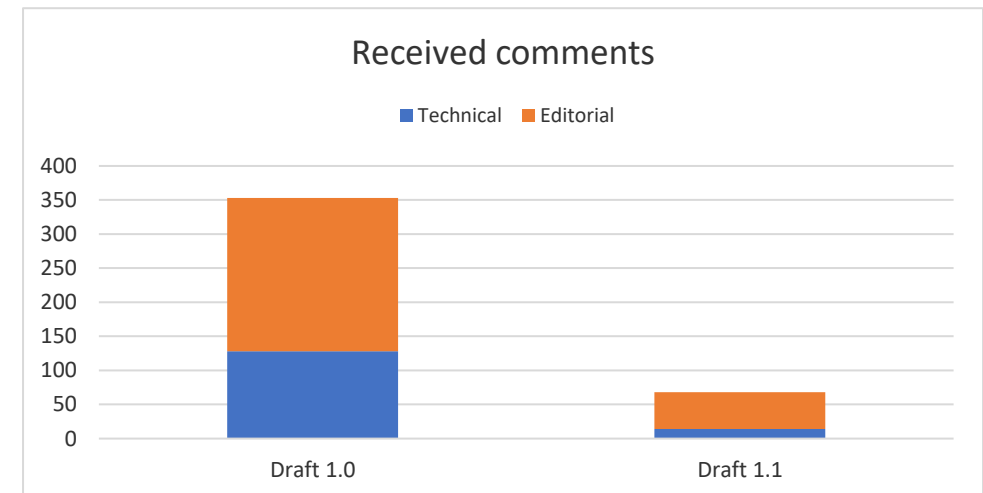
- Received comments stats
- D1.1 comment resolution status
 - Motion to approve comment resolution
- Thanks to commenters
- Next steps
 - Lack of new technical content
 - Expected PCS/PMA motions
 - Expected PMD contributions

Received comments stats

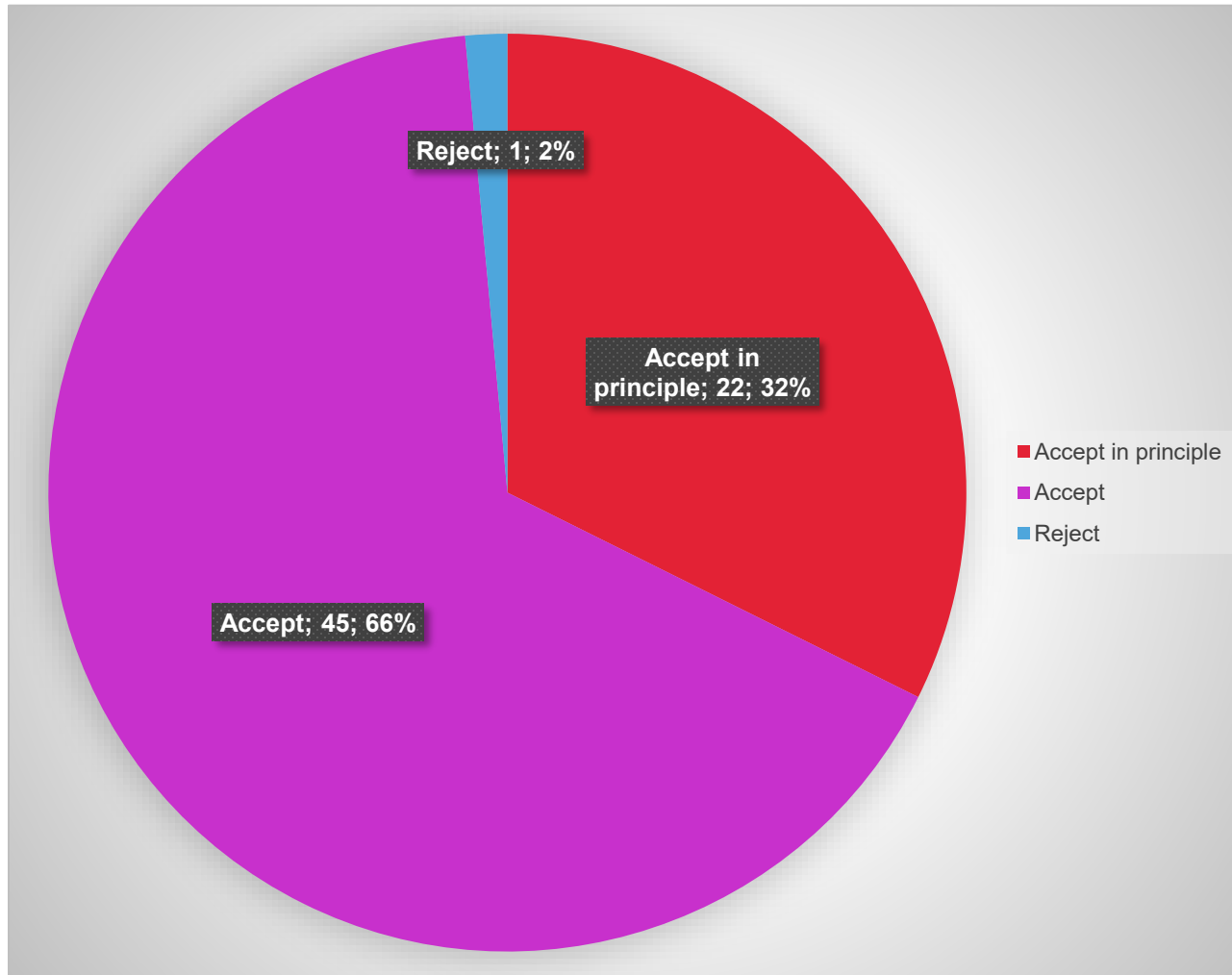
Stats_by_Topic		viernes, 4 de junio de 2021							
		12:54:48							
Topic	E	G	T	ER	GR	TR	Open	Closed	Total
Bad reference	13	0	0	0	0	0	13	0	13
Clarification-Technical	2	0	3	0	0	0	5	0	5
Editing instructions	13	0	0	0	0	0	13	0	13
Editorial-Layout	3	0	0	0	0	0	3	0	3
Grammar and syntax	21	0	0	0	0	0	21	0	21
Technical	1	0	5	0	0	0	6	0	6
Typo-Technical	1	0	6	0	0	0	7	0	7
Total	54	0	14	0	0	0	68	0	68

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- Sorted into 7 different topics
- 68 comments
 - 54 Editorial
 - 14 Technical



D1.1 comment resolution status



- 68 comments reviewed
- 45 Accepted
- 22 Accept in principle
- 1 Rejected

Last minute comment resolution issues

- Comment #15: Use of "would prefer, eg" in a comment response. Use the "Replace X with Y" structure instead.
- Comment #41: Wrong wording of suggested remedy: "The 240 information bits shall be encoded into 720 bits" instead of suggested "Each group of 240 information bits shall be encoded into a group of 720 bits"

Motion to approve comment resolution

- Move to add closed comments received on P802.3cz/D1.1 as published in https://www.ieee802.org/3/cz/comments/Comments_3cz_D1p1_With_Resolution.pdf with editorial license in P802.3cz/D1.2.
- Technical (>75%)
- Mover: Luisma Torres
- Seconder: Natalie Wienckowski
- Y/N/A
- Approved by unanimous consent

Synchronization with latest P802.3 Draft

- P802.3/D1.0 included the then 11 published amendments to IEEE Std 802.3-2018.
- Amendment 12-P802.3cv-2021 was published and quickly “rolled-up” into P802.3/D1.1.
- Amendment 13-P802.3ct-2021 and Amendment 14-P802.3cp-2021 were published recently.
- The merge of IEEE Std 802.3cp and IEEE Std 802.3ct will be requested by P802.3/D2.0 WG ballot comment and be included in P802.3/D2.1.
 - P802.3/D2.0 initial ballot close is targeted to 21 August.
- **Proposed action: Synchronize editing instructions with latest P802.3 Draft (D2.0?) in P802.3cz/D1.2**
 - This action implements the comment resolution in the editing instructions bucket.

Thanks to the commenters!

Please keep on commenting and improving our Draft

Baselines presented

- 50 Gb/s PCS/PMA baseline
- Loopback modes baseline
- BER test mode baseline
- EEE/LPI baseline
- 2.5, 5, 10, 25 Gb/s VCSEL+OM3 PMD baseline

Silicon Photonics + OM2/OM3 PMD

- Presentations and baseline are expected

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?	3	17	31	7	IN	28	12	26	9	PL	30	14
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																										

Next Steps

- No new technical content adopted yet as baseline since D1.1
 - 50 Gb/s PCS/PMA baseline presented but not adopted
 - Loopback modes baseline presented but not adopted
 - BER test mode baseline presented but not adopted
 - EEE/LPI baseline presented but not adopted
 - 2.5, 5, 10, 25 Gb/s VCSEL+OM3 PMD baseline presented but not adopted
- Alternative PMD proponents (GIPOF/SiP) need to complete ToDo list tasks and in some cases to commit date for presentation

Next steps

- As no new technical content has been adopted, it makes no sense to start P802.3cz D1.2 TF review

Ways to move forward (and do not delay)

- We have enough technical content (baseline) to be very close to a technically complete draft
 - But this content has not been approved yet
- Try to focus first on the non-controversial technical content first and reach consensus
 - PCS/PMA, Loopbacks, LPI/EEE, BER mode.
- Vote and find a consensus on PMD baseline as they become ready (enough and detailed data to be considered technically complete)
- Any alternative ideas?

Thanks!

Questions?