

# Question to 50Gbps PCS/PMA

Yuji Watanabe , AGC Inc.

# Question to proposed 50Gbps PCS/PMA

**My understanding is “a transceiver operated at higher data rate should support lower data rate” in the same standard.**

**However, different modulation method is proposed for 50G bps**

<b>2.5G, 5G, 10G, 25G bps:</b>	<b>NRZ</b>
<b>50G bps:</b>	<b>PAM4</b>

**I do understand that PAM4 is mandatory to achieve 50Gbps transmission at this moment.**

**However, 50G bps transceiver should support 25G or lower data rate, and its design become complicated and it is not cost effective.**

**Is it a right way to have two modulation methods in the same standard?**

**Straw poll on May 19<sup>th</sup> shows**

**Yes: 25, No: 2, Abstain: 21, No vote: 8 Total attendee: 56**

**The ratio of YES is only 45% of TF members.**

**I suppose voters abstained may need more information**

**Is it adequate to adopt PCS/PMA that is not supported by majority of TF?**

**I would like to propose a straw poll asking whether we should have two modulation methods in 802.3cz.**

**If keeping two modulation methods in 802.3cz is not supported by majority of TF, I would like to propose a motion;**

**“Remove 50G bps PHY from current Objectives”**

**because it is too early to standardize 50G bps PHY NOW.**

**Thank you for your attention.**

