Cl **45** *SC* **45.2.1.14b** *P* **21** *L* **23** # 18

Slavick, Jeff — Broadcom Limited

Comment Type **TR** *Comment Status* **R**

100G, 200G, 400G have a bit indicating when the PMA supports remote loopback Ability bit. This bit is missing from the 25GE extended ability register

SuggestedRemedy

Define bit 15 of the 25G extended ability register (1.19) to be:
1.19.15 25G PMA remote loopback ability
1 = 25G PMA has the ability to perform a remote loopback function
0 = 25G PMA does not have the ability to perform a remote loopback function
RO

45.2.1.14b.aa 25G PMA remote loopback ability (1.19.15)
When read as a one, bit 1.19.15 indicates that the 25G PMA is able to perform the remote loopback function. When read as a zero, bit 1.19.15 indicates that the 25G PMA is not able to perform the remote loopback function. If a 25G PMA is able to perform the remote loopback function, then it is controlled using the PMA remote loopback bit 1.0.1 (see 45.2.1.1.4).

Response *Response Status* **U**

REJECT.

Out of scope. Also, IEEE Std 802.3by-2016 defines the 25G PMA remote loopback capability in bit 1.13.15 in the 40G/100G PMA/PMD extended ability register. See Clause 109 (Table 109-3).

Cl **114** *SC* **114.6.1** *P* **34** *L* **7** # 26

Dawe, Piers — Mellanox

Comment Type **TR** *Comment Status* **D**

The 25GBASE-LR extinction ratio limit should be relaxed to allow low cost transmitters that operate over a wide temperature range. The limit should be lower than 10GBASE-LR because the laser has to run faster. This can be done here because 25GBASE-LR has better receiver reflectance and TDP than 10GBASE-LR. The receiver is protected by limits on max OMA and max average power that mean that the highest power in 0, 1 or average is not affected by this change.

SuggestedRemedy

Change 3.5 dB to 3 dB

Proposed Response *Response Status* **U**

PROPOSED REJECT.

Restatement of Comment #63 against P802.3cc D2.0, which was rejected, rebutted, and recirculated . Rejected because there still remains no consensus for change.