Source:	IEEE P802.3ah EFM Task Force
Title:	T11 SFP, Ethernet Optics Activities

COMMUNICATION STATEMENT

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Approval:	Dallas meeting, March 10-13, 2002
For:	SG15/Q.2 – Information
Deadline:	

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Re: T11 MSA specification for SFP modules, Section B3, Table 2, Timing parameter. TX disable negate time

The IEEE 802.3ah Optics sub-task force wishes to draw attention to the aforementioned specification. In surveying a variety of vendor's SFF and SFP modules, it was observed that the pluggable forms of these transceivers have quite a bit more baseline wander than the non-pluggable forms. The primary reason that non-pluggable modules do not exhibit these problems appears that their APC loop time constants have been optimized for baseline wander performance. The 1 millisecond turn-on time affects this in a negative way, and Pluggable modules that meet the 1 millisecond turn-on time, have problems with Base Line Wander. These modules come very close to not being within the specified limits for our new draft standard, and the sub-task force feels that the design margin could be greatly improved by extending the turn-on time from 1 millisecond to 2.5 milliseconds. This change would allow transceiver vendors to produce devices that meet both T11 SFP and 802.3ah/EFM Clause 60 specifications, with the combined volume for both applications resulting in a wider acceptance and availability of these transceivers. The task force respectfully asks T11 if this proposed change has any adverse impact on any of its members. We look forward to hearing from you regarding this matter.

Attachments:

[1] IEEE P802.3ah/Draft 1.414

[2] radcliffe_optics_2_0303.pdf