Cl **45**	*SC* **45.2.1.186c.4**	*P* **42**	*L* **44**	# 337

Thompson, Geoff   GraCaSI S.A.

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

The behavior coming out of sleep is not implementation specific, it is governed by what happens upon reset.

SuggestedRemedy

Fix text.

Response   *Response Status* **U**

REJECT.

While often confused with sleep mode or EEE mode, low-power mode is neither. It is a standard low-power state where the PHY is only responsive to MDIO, and exit requires a reset (and therefore retraining, per the PHY control diagram). It is mirrored in the PMA control bit 1.0.11, the PMA/PMD control 1 register - common to most PHYs. The low-power mode functionality specified in 802.3cg is specified in other PHY clauses throughout 802.3, including clause 28, clause 36, clause 37 and clause 97 (1000BASE-T1), with identical or nearly identical specification of the implementation-specific nature of the function.

Commenter and Chair are encouraged to submit a maintenance request to deal with this confusion globally.

Cl **146**	*SC* **146.8.1**	*P* **152**	*L* **34**	# 407

Jones, Peter   Cisco

Comment Type **TR**   *Comment Status* **R**   *Big Ticket Item MDI*

The IEC 63171-1 connector was prematurely added to the draft, and should be removed. Comments against D1.0 (#571, #572, #617, #618) requested that IEC 63171-1(MICE1) & IEC 61076-3-125 (MICE3) be defined for both T1-L and T1-S (as listed in "SC25 WG3 Interim Update Report for 802.3 Sept 2018.pdf"). Comment resolution for D2.0 only added IEC 63171-1(MICE1) for T1-L making the draft internally inconsistent (T1L vs T1-S) and also inconsistent with the liaison from S25/WG3.

I am not aware of any public review or assessment performed on these connectors outside that done in ISO/IEC SC25/WG3. I am also not aware of the membership of ISO/IEC SC25/WG3, or if it's detailed assessments are publically available.

The only presentation to 802.3cg that I can find providing significant details is pelletier_3cg_01_0918.pdf presented in Spokane. While it addresses IEC 63171-1 limits for IL, RL, TCL and TCTL, I don't see any information about other key parameters (e.g., mechanical characteristics, relative costs of different solutions) that are needed to make an informed decision

Given the importance of connector selection to the success of BASE-T1 in building/industrial automation, I believe that we should remove this paragraph and the accompanying note from the draft, and consider the best way to perform connect selection that can engage important ecosystem partners (e.g. system vendors, system integrators) who were not part of the ISO/IEC SC25/WG3 process.

SuggestedRemedy

Delete lines 34 to 45 in "146.8.1 MDI connectors". This is the second paragraph and the accompanying editor's note.

Response   *Response Status* **U**

REJECT.

Commenter was part of extensive discussion and resolution of the comment on draft 2.0. Liaison reports have documented discussion on connectors in IEC (mechanical specifications) and ISO/IEC, where membership is well known as being by country and national TAGs are open to participation.

Comment 617 on draft 2.0 put in this text was resolved by motion with a vote of Y:23 N:2 A:3

Comment 409 was accepted at the November 2018 meeting with broad consensus to address these issues.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **146**
SC **146.8.1**

Page 1 of 1
12/2/2018 9:33:26 PM