Cl **00** *SC* **FM** *P* **12** *L* **52** # 351

Anslow, Pete — Ciena

Comment Type **E** *Comment Status* **D** *Late*

Summary text for the IEEE Std 802.3cg-20xx amendmet is missing from the frontmatter here.

SuggestedRemedy

Add summary text for the IEEE Std 802.3cg-20xx amendment here:
IEEE Std 802.3cgTM-20xx
This amendment includes changes to IEEE Std 802.3-2018 and adds Clause 146 through Clause 148 and Annex 146A and Annex 146B. This amendment adds 10 Mb/s Physical Layer (PHY) specifications and management parameters for operation on a single balanced pair copper cable.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **146** *SC* **146.8.1** *P* **153** *L* **7** # 320

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

A connector is: "device providing connection and disconnection to a suitable mating component". See IEV 581-26-01. A lot of devices will not have a MDI-connector. They will use another kind of interface.

SuggestedRemedy

The mechanical interface to the balanced cabling is a 3-pin connector (BI_DA+, BI_DA-, and optional SHIELD) or alternatively a 2-pin connector with an optional additional mechanical shield connection or any other interface which conforms to the link segment specification defined in 146.7.

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Text is unchanged and out of scope for this recirculation. Additionally, adding "or any other interface" creates an ambiguous specification.

Cl **146** *SC* **146.8.1** *P* **154** *L* **13** # 321

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

Figure 146-28 does not comply to any variant described in IEC 61076-3-125 and does not fulfill MICE2/3 requirements

SuggestedRemedy

Change figure to one of the existing variants described in IEC 61076-3-125

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Commenter fails to provide sufficient information for remedy. Version shown is the IP20 version shown in CD draft of IEC 61076-3-125 circulated 10/17/2017.
See also comment 96. Purpose of figure is informational on the electrical mating configuration and pinout of the connector, not as the definitive specification which is in the IEC document.

Cl **146** *SC* **146.8.1** *P* **154** *L* **14** # 317

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

Accordingt to 104.1.3, T1L is compatible with PODL Type E. Therefore, table 104.1 has to be fulfilled

SuggestedRemedy

Make shure, that 1360mA@60C is covered by the MDI-connector/interface. Only 1A is mentioned in IEC 63171-1, so update it or delete it.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
See 146.8.4 MDI DC power voltage tolerance. The wire pair of the MDI shall withstand without damage the application of positive voltages of up to 60 V dc with the source current limited to 1200 mA, under all operating conditions, for an indefinite period of time.

Cl **146** *SC* **146.8.1** *P* **154** *L* **23** # 314

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

Figure 146-29 does not comply to any variant described in IEC 61076-3-125 and does not fulfill MICE2/3 requirements

SuggestedRemedy

Change figure to one of the existing variants described in IEC 61076-3-125

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Commenter fails to provide sufficient information for remedy. Version shown is the IP20 version shown in CDV draft of IEC 61076-3-125.
See also comment 96. Purpose of figure is informational on the electrical mating configuration and pinout of the connector, not as the definitive specification which is in the IEC document.

Cl **146** *SC* **146.8.4** *P* **155** *L* **26** # 318

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

Damage criteria for witstanding 60 V DC 1200mA is missing

SuggestedRemedy

Define the damage criteria for withstanding

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Text is out of scope and unchanged.
Commenter provides insufficient information for remedy.
Text is identical to similar text (e.g., short circuits) in nearly every other BASE-T PHY clause.

Cl **147** *SC* **147.9.1** *P* **198** *L* **43** # 315

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

A connector is: "device providing connection and disconnection to a suitable mating component". See IEV 581-26-01. A lot of devices will not have a MDI-connector. They will use another kind of interface.

SuggestedRemedy

The mechanical interface to the balanced cabling is a 3-pin connector (BI_DA+, BI_DA-, and optional SHIELD) or alternatively a 2-pin connector with an optional additional mechanical shield connection or any other interface which conforms to the link segment specification defined in 146.7.

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Text is unchanged and out of scope for this recirculation. Additionally, adding "or any other interface" creates an ambiguous specification.

Cl **147** *SC* **147.9.1** *P* **198** *L* **51** # 316

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

Redundant information shall be avoided

SuggestedRemedy

Delete figures 147-21 to 26 and refer in the text to the figures in 146.8.1

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Clauses of the two PHYs should be independent and separately reference their own figures to be complete.

Cl **147** *SC* **147.9.3** *P* **201** *L* **38** # 319

Horrmeyer, Bernd — Phoenix Contact

Comment Type **T** *Comment Status* **D** *Late*

Damage criteria for witstanding 60 V DC 1360mA is missing

SuggestedRemedy

Define the damage criteria for withstanding

Proposed Response *Response Status* **W**

PROPOSED REJECT.
Text is out of scope and unchanged.
Commenter provides insufficient information for remedy.
Text is identical to similar text (e.g., short circuits) in nearly every other BASE-T PHY clause.