Cl **22** *SC* **22.2.2.11** *P* **28** *L* **34** # 48
Beruto, Piergiorgio Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Short form RS should be used

SuggestedRemedy

Replace "Reconcialiation Sublayer" with "RS"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Replace "Reconciliation Sublayer" with "RS"

(VM: Typo in Suggested Remedy)

Cl **22** *SC* **22.2.2.11** *P* **28** *L* **42** # 49
Beruto, Piergiorgio Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Short form RS should be used

SuggestedRemedy

Replace "Reconcialiation Sublayer" with "RS"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Replace "Reconciliation Sublayer" with "RS"

(VM: Typo in Suggested Remedy)

Cl **30** *SC* **30.5.1.1.2** *P* **34** *L* **21** # 107
Baggett, Tim Microchip

Comment Type **E** *Comment Status* **D** *EZ*

Section contains references to "twisted-pair" cable.

SuggestedRemedy

Change (two instances):
"Single twisted-pair copper cable"
to:
"Single balanced-pair copper cable"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

Change in two instances (one on line 21 and one on line 22) from,

Single twisted-pair copper cable

to:

Single balanced pair copper cable

Cl **45** *SC* **45.2.1.174e.1** *P* **42** *L* **36** # 91
Baggett, Tim Microchip

Comment Type **E** *Comment Status* **D** *EZ*

Section heading incorrectly references OAM, but text describes PMA Loopback ability and references the PMA Loopback Ability bit 1.2300.13 in Table 45-142e above.

SuggestedRemedy

Replace "10BASE-T1S OAM ability" with "10BASE-T1S Loopback ability"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **45** *SC* **45.2.1.174e.1** *P* **42** *L* **36** # 117

Brandt, David — Rockwell Automation

Comment Type **E** *Comment Status* **D** *EZ*

Sub-clause misnamed

SuggestedRemedy

Change "OAM" to "Loopback" in sub-clause heading

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Implemented by Comment 91:
Resolution to comment 91 was:
Replace "10BASE-T1S OAM ability" with "10BASE-T1S Loopback ability"

Cl **45** *SC* **45.5.3.3** *P* **58** *L* **54** # 63

Franchuk, Brian — Emerson Automation

Comment Type **E** *Comment Status* **D** *EZ*

Operating mode voltage is wrong.

SuggestedRemedy

Change "2.4 Vpp" to "1.0 Vpp"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **146** *SC* **146.5.7** *P* **134** *L* **1** # 42

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Since this is a suggestion, as for other comments in the past we decided that the appropriate form is "can" instead of "may"

SuggestedRemedy

Replace "may" with "can"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **147** *SC* **147.1** *P* **153** *L* **19** # 59

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Typo - uppercase

SuggestedRemedy

Replace "Idle" with "idle"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **147** *SC* **147.1** *P* **153** *L* **22** # 60

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Subject is "optional support", not "functions"

SuggestedRemedy

Replace "are" with "is"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
Change
====
functions are described
====
to
====
is described
====

Cl **147** *SC* **147.3.2.1** *P* **157** *L* **20** # 61

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Typo: double dot at end of line

SuggestedRemedy

Remove one dot

Proposed Response *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.
TODO:
- Change "represents SILENCE.." to "represents SILENCE."
- Change "recovery procedure.." to "recovery procedure." -> Piergiorgio will execute this

Cl **147** *SC* **147.3.2.3** *P* **159** *L* **1** # 46

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

Table 147-1 might look incomplete

SuggestedRemedy

Rework table 147-1 in order to have
only four columns "Name, 4B, 5B and Special function". Leave elements from '0' to 'F' with an empty "special function" field. Move elements whose name ranges from 'I' to 'N' at the bottom of the table.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **147** *SC* **147.3.3** *P* **162** *L* **14** # 47

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

PCS Receive Overview chapter structure is not in line with the one of the PCS Transmit chapter. Clause numbering looks weird.

SuggestedRemedy

Replace "147.3.3 PCS Receive Oveview" with "147.3.3 PCS Receive

147.3.3.1 PCS Receive overview"

Have subsequent subclauses renumbered accordingly

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **147** *SC* **147.5.4.1** *P* **171** *L* **12** # 101

Baggett, Tim — Microchip

Comment Type **T** *Comment Status* **D** *EZ*

Figure 147-11 illustrates the test fixure which appears to be copied from the subclause 146 for T1L. A T1S multi-drop network requires two 100 Ohm edge termination resistors at each end of the bus. Each transmitter will then "see" an equivalent 50 Ohm bus impedance.

To accurately model the bus in the test fixure, a 50 Ohm equivalent resistor should be used instead of the 100 Ohm resistor.

SuggestedRemedy

Figure 147-11: Change the 100 Ohm +- 0.1% termination resistor to 50 Ohm +- 0.1%.

See Slide 2 of Baggett_Comments_072018.pdf

Proposed Response *Response Status* **Z**

PROPOSED REJECT.

This comment was WITHDRAWN by the commenter.

Cl **147** *SC* **147.5.4.1** *P* **171** *L* **12** # 35

Beruto, Piergiorgio — Canova Tech

Comment Type **E** *Comment Status* **D** *EZ*

[aestethic] Resistor in Fig. 147-11 appears to be detached.

SuggestedRemedy

Fix figure 147-11 to have the resistor connected to the circuit

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **147** *SC* **147.5.4.3** *P* **172** *L* **29** # 100

Baggett, Tim Microchip

Comment Type **T** *Comment Status* **D** *EZ*

Figure 147-13 illustrates the transmitter test fixure which appears to be copied from the subclause 146 for T1L. A T1S multi-drop network requires two 100 Ohm edge termination resistors at each end of the bus. Each transmitter will then "see" an equivalent 50 Ohm bus impedance.

Since the balun presents an end termination of 100 Ohms. For the test fixture to accurately model the equivalent 50 Ohm termination of a T1S bus, a 100 Ohm termination resistor must be added in parallel at the Transmitter.

SuggestedRemedy

Figure 147-13: Add a 100 Ohm +-0.1% resistor in parallel to the pair at the Transmitter Under Test.

See Slide 3 of Baggett_Comments_072018.pdf

Proposed Response *Response Status* **Z**

PROPOSED REJECT.

This comment was WITHDRAWN by the commenter.

Cl **147** *SC* **147.8** *P* **175** *L* **10** # 105

Baggett, Tim Microchip

Comment Type **E** *Comment Status* **D** *EZ*

The section on "Mixing segment characteristics" contains a reference to twisted-pair cabling.

SuggestedRemedy

Replace:
"single balanced twisted-pair cabling"

With:
"single balanced pair cabling"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **147** *SC* **147.9.2** *P* **176** *L* **29** # 62

Beruto, Piergiorgio Canova Tech

Comment Type **T** *Comment Status* **D** *EZ*

No need to specify "exclusive" in table 147-3 header

SuggestedRemedy

Remove "(exclusive)" from headers

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.

Cl **148** *SC* **148.2** *P* **181** *L* **41** # 106

Baggett, Tim Microchip

Comment Type **E** *Comment Status* **D** *EZ*

Missing space

SuggestedRemedy

Insert space between "Figure 148-1" and "connects".

Proposed Response *Response Status* **W**

PROPOSED ACCEPT.