

IEEE P802.3at D4.0 PoEplus comments

Cl 25 SC 25.4.4a P19 L18 # 213
Law, David 3Com

Comment Type T Comment Status D TEZ

Since this isn't a conformance test specification, but an interoperability specification, it is best if we can avoid specifying in terms of test conditions, but instead in terms of the conditions under which the specification shall be met.

SuggestedRemedy

Suggest that '.. using the fixture shown..' should read '.. using the reference circuit shown..'. In addition delete Note 1 as this relates to one of the factors the implementer has to account for during implementation of the reference circuit and there are other - such as the effects of the measurement equipment used - that also have to be considered which are not covered in the notes.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 25 SC 25.4.4a.1 P19 L26 # 220
Law, David 3Com

Comment Type T Comment Status D TEZ

If a cable is to be allowed we should specify what cable it is, can it be any piece of cable or does it have to be Cat 5 or better. Suspect it is the latter so specify the cable has to meet or exceed subclause 25.4.7 'UTP cable plant'.

SuggestedRemedy

Change '.. cable less than..' to read '.. cable, meeting or exceeding the requirements of 25.4.7, less than..'.
..

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 25 SC 25.4.4a.1 P19 L41 # 122
Schindler, Frederick Cisco Systems, Inc.

Comment Type T Comment Status D TEZ

p16 l41. Tying this new approach to the legacy approach improves the reader's understanding.

SuggestedRemedy

Show that $\tau = 2L/R$, where L = open-circuit inductance of the Ethernet isolation transformer and R = 100 ohms.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Request the Editor to fit this into text flow. Also see 218.

Cl 25 SC 25.4.5a P20 L4 # 32
Landry, David Silicon Laboratories

Comment Type T Comment Status D TEZ

Section 25.4.5a could have better readability.

SuggestedRemedy

Change to: Differential voltage signals generated by a remote transmitter that meets the specifications of Clause 25; passed through a link specified in 25.4.6; and received at the MDI of a 100BASE-TX PMD in a Type 2 Endpoint PSE or a Type 2 PD shall be translated into one of the PMD_UNITDATA.indicate messages with a bit error ratio less than 1e-9 after link reset completion.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change to: Differential voltage signals generated by a remote transmitter that meets the specifications of Clause 25; passed through a link specified in 25.4.6; and received at the MDI of a 100BASE-TX PMD in a Type 2 Endpoint PSE or a Type 2 PD shall be translated into one of the PMD_UNITDATA.indicate messages with a bit error ratio less than 1e-9 after link reset completion.

Instruct editor to adjust the PICs related to this shall if required.

Cl 33 SC 33.1.4.2 P38 L19 # 235
Patoka, Martin Texas Instruments

Comment Type TR Comment Status D TEZ

Clarify that the imbalance is intra-pair

SuggestedRemedy

Resistance unbalance is a measure of the difference between the two conductors of a twisted pair in the 100 Ohm balanced cabling system.

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 33 SC 33.2.4.4 P45 L1 # 126
 Schindler, Frederick Cisco Systems, Inc.
 Comment Type TR Comment Status D TEZ
 p45, 1. This value is implementation dependent. It is also tested but not set in the state diagrams.
 SuggestedRemedy
 Add the following sentence immediately after the variable name.
 A variable that is set in an implementation-dependent manner.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 33 SC 33.2.4.4 P46 L42 # 129
 Schindler, Frederick Cisco Systems, Inc.
 Comment Type TR Comment Status D TEZ
 p46, 42. This value is implementation dependent. It is also tested but not set in the state diagrams.
 SuggestedRemedy
 Add the following sentence immediately after the variable name.
 A variable that is set in an implementation-dependent manner.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 33 SC 33.2.4.4 P45 L19 # 127
 Schindler, Frederick Cisco Systems, Inc.
 Comment Type TR Comment Status D TEZ
 p45, 19. This value is implementation dependent. It is also tested but not set in the state diagrams.
 SuggestedRemedy
 Add the following sentence immediately after the variable name.
 A variable that is set in an implementation-dependent manner.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 33 SC 33.2.4.4 P47 L9 # 130
 Schindler, Frederick Cisco Systems, Inc.
 Comment Type TR Comment Status D TEZ
 p47,9. This value is implementation dependent. It is also tested but not set in the state diagrams.
 SuggestedRemedy
 Add the following sentence immediately after the variable name.
 A variable that is set in an implementation-dependent manner.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Cl 33 SC 33.2.4.4 P45 L19 # 35
 Landry, David Silicon Laboratories
 Comment Type T Comment Status D TEZ
 The legacy_powerup variable seems more like a constant. Are we sure that we are consistently using constant and variables when we should be? My idea of a variable is something that changes throughout the operation or evaluation of a state diagram. Other questionable variables are class_num_events, mr_pse_alternative, pse_dll_capable, pse_skips_event2.
 SuggestedRemedy
 Verify that each variable is actually a variable and not a mis-labeled constant.
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE.

This refers to variable pse_skips_event2.
 Cl 33 SC 33.2.4.5 P48 L2 # 131
 Schindler, Frederick Cisco Systems, Inc.
 Comment Type TR Comment Status D TEZ
 p48, 2. This text changes the definition from what some legacy devices expect and conflicts with the definition provided in table 33-11, item 25.
 SuggestedRemedy
 Replace "detect" with "power," in this sentence. Have the Editor update the related PIC.
 Proposed Response Response Status W
 PROPOSED ACCEPT.

Move legacy_powerup to the constant section. It is doubtful that a PSE would change how it operates.

See 2.

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Cl 33 SC 33.2.4.6 P49 L34 # 135
Schindler, Frederick Cisco Systems, Inc.

Comment Type ER Comment Status D TEZ

p49, 34. What if a Type 1 PD that supports DLL is attached? Fix this to improve PICs readability.

SuggestedRemedy

Delete the period from the first sentence and "A Type 2 PSE" from the second sentence to produce a single sentence: "..is not complete and shall ..." Have the Editor update the related PIC.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Delete the period from the first sentence and "A Type 2 PSE" from the second sentence to produce a single sentence: "..is not complete and shall ..."

This produces the new sentence:

When a Type 2 PSE powers a Type 2 PD, the PSE may choose to assign a value of '1' to parameter_type if mutual identification is not complete and shall assign a value '2' to the parameter_type if mutual identification is complete.

Have the Editor update the related PIC.

Cl 33 SC 33.2.9 P61 L22 # 52
Landry, David Silicon Laboratories

Comment Type TR Comment Status D TEZ

"Detection backoff time" should only apply to Alt B detection. The parameter name is too general sounding.

SuggestedRemedy

Change "Detection backoff time" to "Alternative B detection backoff time"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.2.9.6 P63 L10 # 95
Vetteth, Anoop Cisco Systems, Inc.

Comment Type TR Comment Status D TEZ

Figure 33-14 shows Tinrush extending midway between 50ms and 75ms.

SuggestedRemedy

Since this is the Inrush upperbound template Tinrush should extend to 75ms

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.3.1 P69 L42 # 247
Patoka, Martin Texas Instruments

Comment Type TR Comment Status D TEZ

Information in the note is critical to maintain interoperability with the PSE devices specified.

SuggestedRemedy

Remove the text "Note-" making it clear this is a requirement. Although the text is clear in this, the "Note" might be confusing.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.3.4 P74 L25 # 77
Landry, David Silicon Laboratories

Comment Type TR Comment Status D TEZ

Figure 33-19 pops up without any preamble or explanation. It is difficult for the reader to even link it with Table 33-14, as is apparently intended.

SuggestedRemedy

Add some explanation of what the figure is trying to say, or delete it altogether.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Modify Table 33-14: Add notation to Voffset, Conditions column "see Figure 33-19"

Cl 33 SC 33.3.5.2.1 P76 L11 # 78
Landry, David Silicon Laboratories

Comment Type TR Comment Status D TEZ

The NOT_MDI_POWERED state has been eliminated.

SuggestedRemedy

Replace NOT_MDI_POWERED with IDLE

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 33 SC 33.4.2 P83 L44 # 205
Law, David 3Com

Comment Type T Comment Status D TEZ

This paragraph states that the impulse be applied '.. of either polarity (as indicated in Figure 33--21).' yet I don't see any polarity indicated in Figure 33-21. The same paragraph states later that the impulse is applied '.. as shown in Figure 33--21.' so this first reference to Figure 33-21 in this paragraph seems redundant.

SuggestedRemedy

Delete the text '(as indicated in Figure 33--21)'.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.1 P113 L12 # 259
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Update PICS COM2 from 'shall' statement in 33.1.4.1, page 38, line 4: '...DC loop resistance shall be 25 ohms or less.'

SuggestedRemedy

Update PICS COM2 'Value/Comment' to reflect updated text in 33.1.4.1 New text: 'DC loop resistance 25 ohms or less. Requirement satisfied by category 5e components (cables, cords, and connectors)'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.1 P113 L12 # 260
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Missing PICS statement. Necessary due to the addition of clause 33.1.4.2 and the text '...resistance unbalance shall be 3 % or less.' Page 38, line 18.

SuggestedRemedy

Add PICS Item Feature Subclause Value/Comment Status Support COM3 Resistance unbalance 33.1.4.2 3% or less M Yes[]

Proposed Response Response Status W

PROPOSED ACCEPT.

This used to be PSEES2, which was dropped in D3.2.

Cl 33 SC 33.8.3.10 P127 L1 # 193
Mahinfallah, Ahmad Cisco Systems, Inc.

Comment Type TR Comment Status D TEZ

Item DLL4, DLL6, DLL8, DLL12 and DLL15 are incorrect and have not been updated.

SuggestedRemedy

Update these DLLs.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See 312, 313, 314, 318

Cl 33 SC 33.8.3.10 P127 L1 # 120
Vetteth, Anoop Cisco Systems, Inc.

Comment Type TR Comment Status D TEZ

Item DLL4, DLL6, DLL8, DLL12 and DLL15 are incorrect and have not been updated for a long time

SuggestedRemedy

Fix them

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See 312, 313, 314, 318

Cl 33 SC 33.8.3.10 P127 L17 # 312
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text supporting PICS DLL4, DLL5 and DLL6 has been changed since D3.0 (33.7.1 and 33.7.2). New text in current draft 33.6.1 and 33.6.2 cannot define the current PICS. Delete them.

SuggestedRemedy

Remove PICS DLL4, DLL5 and DLL6 and renumber.

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 33 SC 33.8.3.10 P127 L17 # 167
 Darshan, Yair Microsemi Corporation

Comment Type TR Comment Status D TEZ

The PICS defines 30sec between TLVs and it is in aligned with the defaults of 802.1AB.
 However in 33.6.5 page 100 line 26 the time is 10sec max.
 See multiple occurrences in 33.6.5 for 10sec max.

SuggestedRemedy

Decide if it is 30 or 10sec.
 It seems that 30sec is the right value.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See 312

Cl 33 SC 33.8.3.10 P127 L29 # 313
 Nadeau, Gerard

Comment Type G Comment Status D TEZ

PICS DLL8 Value/Commnet field requires changing. Text in 33.6.2.1.1, page 98, line 35
 defines the change.

SuggestedRemedy

Change Value/Comment field to read: 'Set according to Table 33-23.'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.10 P127 L46 # 314
 Nadeau, Gerard

Comment Type G Comment Status D TEZ

Value/Comment field requires an update. Text in 33.6.2.1.3, page 98, line 52 has changed.

SuggestedRemedy

Change Value/Comment field to read: 'Set to PD priority PSE advertises to assign to the
 PD'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.10 P127 L52 # 316
 Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text has been deleted since D3.0, PICS DLL14 no longer defined in the current text. Delete
 the PICS statement. D3.0 text that supported the PICS. 33.7.2.3 Actual power
 type/source/priority The actual power type/source/priority field shall contain a bit-map of the
 actual power type, source, and priority defined in Table 33-22.

SuggestedRemedy

Delete current PICS DLL14.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.10 P128 L6 # 318
 Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.6.5 has been changed since D3.0. Delete the current DLL15 PICS statement
 and insert new PICS statements to be defined in additional comments. Current text cannot
 support DLL15 PICS.

SuggestedRemedy

Delete PICS DLL15.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P114 L37 # 267
 Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.2.8, page 57, line 27 has changed from draft 3.0 therefore PICS PSE27 needs to
 be updated.

SuggestedRemedy

Update Value/Comment field in PSE27 to: 'Return to IDLE state or assign to Class 0.'
 Update Subclause reference in PICS PSE27 to 33.2.8 (drop .1)

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 33 SC 33.8.3.2 P115 L10 # 270
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.2.8.1, page 57, line 48 has changed from D3.0. PICS PSE35 needs updating.

SuggestedRemedy

Update Value/Comment field in PSE35 to: Return to IDLE state or assign PD to Class 0 if Iclass is greater than or equal to IClass_LIM.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P115 L11 # 118
Vetteth, Anoop Cisco Systems, Inc.

Comment Type TR Comment Status D TEZ

Item PSE35 is incorrect. We have the option to treat this condition as Class 0 or go to Idle state

SuggestedRemedy

Fix this

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See 270

Cl 33 SC 33.8.3.2 P115 L37 # 119
Vetteth, Anoop Cisco Systems, Inc.

Comment Type TR Comment Status D TEZ

Item PSE46 is incorrect. This condition will cause the PSE to go into IDLE state

SuggestedRemedy

Fix this

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

See 272

Cl 33 SC 33.8.3.2 P115 L37 # 272
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.2.8.2, page 58, line 30, has changed from draft 3.0. PICS PSE46 needs updating.

SuggestedRemedy

Change Value/Comment field in PICS PSD46 to the following: 'Return to IDLE state if IClass is greater than or equal to IClass_LIM.'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P116 L30 # 276
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.2.9.5, page 62, line 19, has been deleted from draft 3.0. Deleted text from Draft 3.0: 'the minimum value for IPort_max in Table 33-9 shall be (PPort / VPort).' PICS PSE61 is no longer valid.

SuggestedRemedy

Delete PICS PSE61

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P116 L54 # 280
Nadeau, Gerard

Comment Type G Comment Status D TEZ

New PICS required due to the new text in 33.2.9.12, page 65, line 54. 'Type 2 Endpoint PSEs shall meet the requirements of 25.4.4a in the presence of (lunb / 2).'

SuggestedRemedy

Insert PICS (after current PSE69) and renumber accordingly Item Feature Subclause Value/Comment Status Support PSE_X Current unbalance for 33.2.9.12 Meet requirements of PSET2:M Yes[] type 2 PSE 25.4.4a in presence N/A[] of (lunb/2).

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Insert new PICS after PSE69 and renumber as appropriate:

PSE#; Current unbalance for Type 2 Endpoint PSE; 33.2.9.12; Meet requirements of 25.4.4a in presence of (lunb/2); PSET2:M; Yes[] N/A[]

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Cl 33 SC 33.8.3.2 P117 L24 # 284
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.2.11.1.2, page 67, line 6 has changed from D3.0, PICS PSE77 requires updating.

SuggestedRemedy

Replace Value/Comment field with the following: 'IPort is greater than or equal to IMin max for a minimum of TMPS as specified in Table 33-11.'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P117 L24 # 283
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Line 24 and Line 26. The terms IMin2 and IMin1 are used throughout the text however only IMin is defined in Table 33-11. I beleive these are editorial errors.

SuggestedRemedy

Search doucment and replace all instances if IMin1 and IMin2 with Imin.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This has probably been covered by other comments submitted by this comment editor. But it's worth double- and triple-checking.

Editor to also adjust context as appropriate when replacing IMin1 or IMin2 with IMin.

Cl 33 SC 33.8.3.2 P117 L26 # 285
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.2.11.1.2, page 67, line 7 has changed from D3.0, PICS PSE78 requires updating.

SuggestedRemedy

Replace Value/Comment field with the following: 'IPort is less than or equal to IMin min as specified in Table 33-11.'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P117 L3 # 281
Nadeau, Gerard

Comment Type G Comment Status D TEZ

TOff in Value/Comment field in PICS PSE70 is incorrect, it should be Tpon. See text in 33.2.9.13, page 66, line 3.

SuggestedRemedy

Change TOff to Tpon.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P118 L20 # 286
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Need to insert a PICS for current unbalance requirements for PD due to the new text in 33.3.2, page 70, line 10. 'Type 2 PDs shall meet the requirements of 25.4.4a in the presence of (Iunb / 2).'

SuggestedRemedy

Insert PICS (after current PSE69) and renumber accordingly Item Feature Subclause Value/Comment Status Support PSE_X Current unbalance for 33.3.2 Meet requirements of PDT2:M Yes[] type 2 PD 25.4.4a in presence N/A[] of (Iunb/2).

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Insert new PICS after PD6 and renumber as appropriate:

PD#: Current unbalance for Type 2 PD; 33.3.2; Meet requirements of 25.4.4a in presence of (Iunb/2); PDT2:M; Yes[] N/A[]

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Cl 33 SC 33.8.3.2 P119 L19 # 291
Nadeau, Gerard

Comment Type G Comment Status D TEZ

The text supporting PICS PD22 has been removed since D3.0 and clauses renumbered. Text in D3.0, 33.3.5.2.2, page 65, line 3: 'A PD implementing 2-Event class signature shall reset its pse_power_type state variable to 1 when the voltage at the PI is less than or equal to VReset max as defined in Table 33-16.'

SuggestedRemedy

Delete PICS PD20 and renumber.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This behavior is captured in the state diagram, which itself is covered by PICS PD6.

Delete PICS PD22.

Cl 33 SC 33.8.3.2 P119 L53 # 294
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text in 33.3.7.3, page 78, line 33 references 'Tdelay min', not 'Tlnrush max' as stated in the PICS PD32.

SuggestedRemedy

Change 'Tlnrush max' to 'Tdelay min' in the Value/Comment field of PICS PD32.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P120 L22 # 297
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text supporting PICS PD40 has been deleted from D3.0 to D3.3. D3.0 Text, in 33.3.7.5, page 69, line 37: 'The PD shall operate below the "PD upperbound template," defined in 33.2.9.9 and Figure 33-14, during transient conditions lasting greater than 10 ms.'

SuggestedRemedy

Delete PICS PD40.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P120 L25 # 298
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text supporting PICS PD41, subclause 33.3.7.6 has been completely rewritten from D3.0 to D3.3. Updateing the Feature field in PICS PD41 makes the PICS statement more clear.

SuggestedRemedy

Replace PICS PD41 'Feature' field as follows: 'Behavior during transients at the PSE PI'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P120 L7 # 295
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Text has changed in 33.3.7.3 from D3.0. D3.0 text: At any static voltage at the PI, and any PD operating condition, the peak current shall not exceed PPort max for more than 50 ms maximum and 5% duty cycle maximum. D3.3 text: At any static voltage at the PI, and any PD operating condition, the peak power shall not exceed PClass_PD max for more than 50 ms maximum and 5% duty cycle maximum.

SuggestedRemedy

Change PICS PD34 as follows: Change the 'Feature' field to: 'Peak power' Change the 'Value/Comment' to: 'Not to exceed PClass_PD max for more than 50 ms max and 5 % duty cycle max'

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 33 SC 33.8.3.2 P121 L47 # 299
Nadeau, Gerard

Comment Type G Comment Status D TEZ

Value/Comment field: for 10Mb/s PHYs the text in 33.4.3, page 84, line 30 states the frequency range is up to 100 MHz, not 20 MHz as stated in the PICS. D3.0 also stated up to 100MHz.

SuggestedRemedy

Change 20 Mhz to 100MHz in PICS EL13.

Proposed Response Response Status W

PROPOSED ACCEPT.

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Cl 33 SC 33.8.3.2 P122 L48 # 301

Nadeau, Gerard

Comment Type G Comment Status D TEZ

Insert PICS due to new text in 33.4.8, page 87, line 51.

SuggestedRemedy

Insert new PICS after PSEEL3 and renumber. Item Feature Subclause Value/Comment Status Support PSEEL_X Channel unbalance 33.4.8 Less than or equal MIDA: Yes[] current for Type 2 to Type 1 Iunb. M N/A[] Midspans that support 100BASE-TX

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Insert new PICS after PSEEL3 and renumber as appropriate:

PSEEL#; Channel unbalance for Alternative A Midspan PSEs that support 100BASE-TX; 33.4.8; Less than or equal to Type 1 Iunb; MIDA:M; Yes[] N/A[]

Cl 33 SC 33.8.3.4 P L # 302

Nadeau, Gerard

Comment Type G Comment Status D TEZ

Insert PICS due to new text in 33.4.8, page 88, line 1.

SuggestedRemedy

Insert new PICS after EL20. Item Feature Subclause Value/Comment Status Support EL21 Channel unbalance 33.4.8 Meet requirements of M Yes[] current for Type 2 clause 25 in presence N/A[] Enpoint PSE and PDs (Iunb/2) that support 100BASE-TX

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Insert new PICS after EL20 and renumber as appropriate:

EL#; Channel unbalance; 33.4.8; 100BASE-TX Type 2 Endpoint PSEs and Type 2 PDs meet requirements of Clause 25 in presence of (Iunb/2); M; Yes[] N/A[]

Cl 33 SC 33.8.3.5 P123 L40 # 305

Nadeau, Gerard

Comment Type G Comment Status D TEZ

Insert PICS statement. Additional text in 33.4.9.2, page 91, line 29 defines another PICS.

SuggestedRemedy

Insert new PICS after existing PSEEL13 and renumber. Item Feature Subclause Value/Comment Status Support PSEEL_X Alternative A Midspan 33.4.9.2 Between 0 mA and MIDA:M Yes[] DC bias current (Ibias) (Iunb / 2) mA defined N/A[] in Table 33-11

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Insert new PICS after PSEEL13 and renumber as appropriate:

PSEEL#; Alternative A Midspan PSE DC bias current (Ibias); 33.4.9.2; Between 0 mA and (Iunb/2) mA; MIDA:M; Yes[] N/A[]

Cl 33 SC 33.8.3.5 P123 L44 # 306

Nadeau, Gerard

Comment Type G Comment Status X TEZ

Insert PICS: 33.4.9.2.1, page 91, line 38 defines another PICS. Insert PICS statement.

SuggestedRemedy

Insert new PICS after existing PSEEL14 and renumber. Item Feature Subclause Value/Comment Status Support PSEEL_X Alternative A Midspan 33.4.9.2.1 From output MIDA:M Yes[] transfer funcion termination to the N/A[] measurement Midspan PSE input

Proposed Response Response Status W

Insert new PICS after PSEEL14 and renumber as appropriate:

PSEEL#; Alternative A Midspan PSE transfer function measurement; 33.4.9.2.1; From output termination to the Midspan PSE input; MIDA:M; Yes[] N/A[]