

IEEE P802.3bu D1.3 Single Pair Power over Datalines 5th Task Force review comments

EZ bucket

CI 104 SC 104.4.7 P 39 L 48 # 6 [REDACTED]
 Chabot, Craig UNH-IOL

Comment Type E Comment Status D

Poor language in:
 "The MFVS shall consist of current draw equal to or above Ihold_PD for a minimum duration of TMFVS_PD measured at the PD PI followed by an optional MPS dropout for no longer than TMFVDO_PD."

SuggestedRemedy

Change:
 "equal to or above"
 To:
 "equal to or greater than"

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.3.6.2 P 31 L 3 # 7 [REDACTED]
 Chabot, Craig UNH-IOL

Comment Type ER Comment Status D

Use of MPS still in text.
 This also occurs on:
 Page35, Line29
 Page35, Line22
 Page35, Line9
 Page39, Line50

SuggestedRemedy

Change all instances of MPS to MFVS

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.6.3 P 41 L 3 # 9 [REDACTED]
 Law, David HP Ltd

Comment Type E Comment Status D

The text 'SCCP communication protocol uses the ...' expanded out would read 'Serial communication classification protocol communication protocol ...' which would seem repetitively redundant.

SuggestedRemedy

Suggest the text 'SCCP communication protocol uses the ...' be changed to read 'The SCCP uses the ...'.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.3.4.1 P 28 L 6 # 14 [REDACTED]
 Law, David HP Ltd

Comment Type E Comment Status D

Subclause 104.3.3.4 'Timers' defines 'tdet_timer' as 'A timer used to limit the time for attempting to detect a PD.'.

SuggestedRemedy

Based on this suggest that 'Detection timing' should be changed to read 'Detection timer'.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI FM SC FM P 3 L 16 # 16 [REDACTED]
 Law, David HP Ltd

Comment Type ER Comment Status D

The frontmatter text is no up to date.

SuggestedRemedy

Please update the frontmatter text from page 3, line 16 through page 4 line 38 with the content found at <http://iee802.org/3/WG_tools/templates/index.html>.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

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CI 1 SC 1.4 P14 L7 # 17
 Law, David HP Ltd

Comment Type ER Comment Status D

Suggest that in general definitions that are unique to 1-Pair Power over Data Lines be qualified by the prefix PoDL.

SuggestedRemedy

[1] Change 'Regulated PSE' to read 'PoDL Regulated PSE' here an throughout the draft.
 [2] Change 'Unregulated PSE' to read 'PoDI Unregulated PSE' here and throughout the draft.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 1 SC 1.4 P14 L7 # 18
 Law, David HP Ltd

Comment Type ER Comment Status D

I believe that we should be specifying interoperability requirements for a PSE, not the design of the PSE.

SuggestedRemedy

[1] Suggest that the text '... that is designed to regulated ...' should be changed to read '... that is required to regulate ...'.
 [2] Suggest that the text '... that is not designed to regulated ...' should be changed to read '... that is not required to regulate ...'.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 1 SC 1.5 P14 L26 # 19
 Law, David HP Ltd

Comment Type ER Comment Status D

Suggest that the following be added to the Abbreviations.

[1] Add 'PoDL Power over Data Lines'

SuggestedRemedy

See comment.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI FM SC FM P1 L7 # 20
 Law, David HP Ltd

Comment Type ER Comment Status D

The title of the draft should be updated to closely match the PAR.

SuggestedRemedy

Update the title to read 'Draft Standard for Ethernet Amendment: Physical Layer and Management Parameters for Single-Pair Power over Data Lines' here and on page 13, line 6.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI FM SC FM P1 L1 # 21
 Law, David HP Ltd

Comment Type ER Comment Status D

IEEE Std 802.3-2012, and its amendments, have all now been superseded by IEEE Std 802.3-2105 approved by the IEEE-SA Standards Board on 3rd September 2015, for the time all references to IEEE Std 802.3-2012 should be changed to read IEEE Std 802.3-201X.

SuggestedRemedy

Change IEEE Std 802.3-2012 to read IEEE Std 802.3-201X here and throughout the draft.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 1 SC 1.4 P14 L7 # 22
 Law, David HP Ltd

Comment Type ER Comment Status D

Subclause 104.1.3 'Relationship of Single-Pair PoDL to the IEEE802.3 architecture' states that 'The PI is encompassed within the MDI' therefore it doesn't seem correct to refer to the 'MDI/PI' and instead.

SuggestedRemedy

Change references to 'MDI/PI' to read 'PI'.

Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

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Cl 104 SC 104.1.4 P 21 L 8 # 41
 Law, David HP Ltd
 Comment Type T Comment Status D
 I believe that the PHY MDI pins are labelled 'MDI+' and 'MDI-' for 1000BASE-T1 (see Figure 97-2).
 SuggestedRemedy
 Change 'PHY+' to read 'MDI+' and 'PHY-' to read 'MDI-'.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.1.1 P 19 L 32 # 44
 Dove, Daniel Dove Networking Solut
 Comment Type E Comment Status D
 The double-negative is a bit questionable.
 SuggestedRemedy
 "Ensures SELV (Safe...)"
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.1.4 P 21 L 4 # 47
 Dove, Daniel Dove Networking Solut
 Comment Type TR Comment Status D
 Inconsistent capitalization;
 SuggestedRemedy
 Search and Replace "single-pair" with "Single-Pair", also S&R "Single-pair"
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.1 P 22 L 33 # 49
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Remove extra 'of' in first sentence of subclause.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.3 P 22-24 L # 50
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Arrange state machine variables in alphabetical order.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.3 P 24 L 3 # 51
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 'ramp' should be 'ramp-up'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.4 P 24 L 51 # 52
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 'a error' should be 'an error'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.5 P 25 L 23 # 53
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 do_classification.' should be 'do_classification'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

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Cl 104 SC 104.3.3.5 P 25 L 24 # 54
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Remove extra carriage return
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.2 P 22 L 24 # 58
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Cross reference 'Table 104-1.'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.5 P 25 L 26 # 55
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Remove extra carriage return
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3 P 22 L 29 # 59
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Cross reference 'Figure 104-4.'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.5 P 25 L 27 # 56
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Add tab before PD_information byte
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3 P 23 L 42 # 60
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Cross reference '104.3.6.4.'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.1.4 P 20 L 20 # 57
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Capitalize type in 'type A' and 'type B'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3 P 24 L 20 # 61
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Cross reference '104.3.6.4'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

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Cl 104 SC 104.3.3 P 24 L 37 # 62
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Cross reference '104.3.6.4'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 28 L 53 # 72
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Table reference needs to be linked.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.4.3.1 P 32 L 46 # 63
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 tpwr_delay' should be 'tpower_dly'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 28 L 53 # 73
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 n should be 'in'
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.4.6.5 P 38 L 1 # 68
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Equation 104-1 is truncated by the left margin.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6.6 P 31 L 29 # 74
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Table reference needs to be linked.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.4.1 P 27 L 32 # 71
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Both table references need to be linked.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 29 L 14 # 76
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 Table reference needs to be linked.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

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Cl 104 SC 104.3.6 P 30 L 7 # 78
 Gardner, Andrew Linear Technology Cor
 Comment Type **TR** Comment Status **D**
 Should be 104.3.6.5 instead of 104.3.6.6
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.1 P 19 L 9 # 82
 Gardner, Andrew Linear Technology Cor
 Comment Type **ER** Comment Status **D**
 Should be 'an' Ethernet physical...
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 30 L 9 # 79
 Gardner, Andrew Linear Technology Cor
 Comment Type **TR** Comment Status **D**
 Should be 104.3.6.6 instead of 104.3.6.7
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.4.1 P 32 L 23 # 84
 Gardner, Andrew Linear Technology Cor
 Comment Type **ER** Comment Status **D**
 There are 'three' types of PDs.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ. See comment #39.

Cl 104 SC 104.3.6 P 30 L 13 # 80
 Gardner, Andrew Linear Technology Cor
 Comment Type **TR** Comment Status **D**
 Should be 104.3.6.6 instead of 104.3.6.7
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.4.3 P 34 L 16 # 86
 Gardner, Andrew Linear Technology Cor
 Comment Type **TR** Comment Status **D**
 The variable 'present_mvfs' is not used in the PD state machine diagram Figure 104-6.
 SuggestedRemedy
 Replace 'present_mps' with 'present_mvfs' in Figure 104-6.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 30 L 25 # 81
 Gardner, Andrew Linear Technology Cor
 Comment Type **TR** Comment Status **D**
 Subclause 104.3.6.5.1 does not exist.
 SuggestedRemedy
 reference 104.3.6.2.1
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 30 L 36 # 90
 Gardner, Andrew Linear Technology Cor
 Comment Type **TR** Comment Status **D**
 Reference should be to 104.3.6.2.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status **W**
 PROPOSED ACCEPT. EZ.

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Cl 104 SC 104.6 P 39 L 36 # 96
 Gardner, Andrew Linear Technology Cor
 Comment Type E Comment Status D
 First sentence, use serial communication instead of SCCP.
 SuggestedRemedy
 See comment.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.6.3 P 41 L 3 # 97
 Gardner, Andrew Linear Technology Cor
 Comment Type ER Comment Status D
 'communication protocol' is redundant.
 SuggestedRemedy
 'SCCP uses the'
 Proposed Response Response Status W
 PROPOSED ACCEPT IN PRINCIPLE. EZ.
 See comment #9.

Cl 104 SC 104.3.1 P 22 L 19 # 106
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D
 The text does not use consistent wording.
 SuggestedRemedy
 Change: A type A+B PSE is compatible with both 100BASE-T1 Ethernet and 1000BASE-T1 PHYs.
 To: A type A+B PSE is compatible with both 100BASE-T1 PHYs and 1000BASE-T1 PHYs.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.1 P 22 L 33 # 107
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D
 Unintended duplicate word.
 SuggestedRemedy
 Change: "Prior to application of of normal operating voltage at the PI, the PSE performs detection in order to verify that a valid PD is present."
 To: "Prior to application of the normal operating voltage at the PI, the PSE performs detection in order to verify that a valid PD is present."
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.3.4 P 24 L 51 # 108
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D
 Incorrect use of "a" instead of "an".
 SuggestedRemedy
 Change: "A timer used to regulate a subsequent attempt to power a PD after a error condition that causes a fault."
 To: "A timer used to regulate a subsequent attempt to power a PD after an error condition that causes a fault."
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

Cl 104 SC 104.3.6 P 28 L 53 # 109
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D
 typo
 SuggestedRemedy
 Change: "When the PSE provides power to the PSE PI, it shall conform to the electrical limits n Table 104-3."
 To: "When the PSE provides power to the PSE PI, it shall conform to the electrical limits in Table 104-3."
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

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CI 104 SC 104.4.3.3 P 33 L 29 # 110
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D
 There is a space after "PD" before the "." as the "." is on the next line.
 SuggestedRemedy
 Remove extra space at end of sentence before "."
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.3.3.3 P 24 L 34 # 115
 Gardner, Andrew Linear Technology
 Comment Type TR Comment Status D
 wakeup_detected is not used by the PSE state machine.
 SuggestedRemedy
 Delete this variable definition.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.4.6.5 P 38 L 1 # 111
 Wienckowski, Natalie General Motors
 Comment Type E Comment Status D
 There seems to be some kind of formatting issue or pdf conversion issue. The start of Pport_PD is missing.
 SuggestedRemedy
 Correct formatting issue.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ. See comment #68.

CI 104 SC 104.3 P 22 L 19 # 134
 Dove, Daniel Dove Networking Solut
 Comment Type TR Comment Status D
 the spec directs electrical and logical behavior
 SuggestedRemedy
 replace "electrical" with "electrical and logical"
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.4.6 P 36 L 13 # 113
 Wienckowski, Natalie General Motors
 Comment Type T Comment Status D
 What kind of Unit is "App"?
 Is this supposed to represent "Amps peak-peak"?
 SuggestedRemedy
 Change to Ap-p, where "p-p" is a subscript.
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.3.3.4 P 25 L 3 # 136
 Dove, Daniel Dove Networking Solut
 Comment Type ER Comment Status D
 A timer limits the time allowed for an operation to occur
 SuggestedRemedy
 replace "time for" with "time allowed for"
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ.

CI 104 SC 104.3.3.4 P 25 L 6 # 137
 Dove, Daniel Dove Networking Solut
 Comment Type ER Comment Status D
 A timer limits the time allowed for an operation to occur
 SuggestedRemedy
 replace "time for" with "time allowed for"
 Proposed Response Response Status W
 PROPOSED ACCEPT. EZ. Duplicate with #136.

Cl **104** SC **104.3.6.1** P **31** L **25** # **144**

Dove, Daniel Dove Networking Solut

Comment Type **TR** Comment Status **D**

"remove power" - I notice that globally the term apply and remove power has been changed to "normal operating voltage" and so I assume this was missed.

SuggestedRemedy

If appropriate, replace "power" with "normal operating voltage" or equivalent.

Proposed Response Response Status **W**

PROPOSED ACCEPT. EZ.