Cl **FM**	*SC* **FM**	*P* **13**	*L* **34**	# r01-1

Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*

The em-dash between the amendment number and "This" should not be preceded or followed by a space.
"Amendment 3--This" is shown correctly. Amendments 4 through 8 are not.

SuggestedRemedy

Remove the spaces around the em-dashes in Amendments 4 through 8.

Response   *Response Status* **C**

ACCEPT.

Cl **FM**	*SC* **FM**	*P* **19**	*L* **8**	# r01-8

Dove, Daniel   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

In the title "Single Balanced Twisted Pair Ethernet" does not hyphenate Twisted-Pair despite the fact its descriptive of the type of wire.

SuggestedRemedy

Search/Replace "Twisted Pair" with "Twisted-Pair" where appropriate.
P12L9,P19L8,P27L48, P37L51, P38L5, P41L1, P73L2, P73L8, P73L37, P74L27

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Editor given editorial license to implement suggested remedy.

Cl **1**	*SC* **1.4.338**	*P* **20**	*L* **29**	# r01-2

Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*

the cross-reference to "Clause 104" should be underlined.

SuggestedRemedy

Underline "Clause 104"

Response   *Response Status* **C**

ACCEPT.

Cl **1**	*SC* **1.4.415**	*P* **20**	*L* **36**	# r01-3

Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*

Comment i-3 was ACCEPT but the part:
In 1.4.415, change "IEEE 802.3" to IEEE Std 802.3"
has not been implemented.

SuggestedRemedy

In 1.4.415, change "IEEE 802.3" to IEEE Std 802.3"

Response   *Response Status* **C**

ACCEPT.

Cl **30**	*SC* **30.2.5**	*P* **25**	*L* **13**	# r01-4

Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*

the cross-reference to "Table 30-10" should be underlined and the "." at the end of the sentence is missing.

SuggestedRemedy

Underline "Table 30-10" and add the "."

Response   *Response Status* **C**

ACCEPT.

Cl **30**	*SC* **30.15.1.1.9**	*P* **29**	*L* **54**	# r01-5

Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*

A ";" has been added after "(see 104.4.3.3)." but this is not the end of the BEHAVIOUR DEFINED AS: section (which is on the next page).

SuggestedRemedy

Change "(see 104.4.3.3).;" to "(see 104.4.3.3)."

Response   *Response Status* **C**

ACCEPT.

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 **30**
SC **30.15.1.1.9**

Page 1 of 10
9/12/2016 2:39:02 PM

Cl **30**   *SC* **30.15.1.2.1**   *P* **31**   *L* **14**   # r01-38
Gardner, Andrew   Linear Technology

Comment Type **ER**   *Comment Status* **A**   *ezbucket*

The symbol 'aPoDLPSEAdminControl' is associated with an action, so the proper symbol prefix is 'ac' instead of 'a'.

SuggestedRemedy

Change 'aPoDLPSEAdminControl' to 'acPoDLPSEAdminControl' in 30.15.1.2.1 and globally.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Editor given editorial license to implement suggested remedy.

Cl **45**   *SC* **45.2.7b.2.1**   *P* **35**   *L* **49**   # r01-9
Dove, Daniel   Linear Technology

Comment Type **E**   *Comment Status* **A**   *notezbucket*

While possibly out of scope, it occurs to me that the first sentence is not as explicit as it should be and perhaps even technically incorrect.

SuggestedRemedy

Replace "voltage" with "application of full operating voltage"

Response   *Response Status* **C**

ACCEPT.

Cl **45**   *SC* **45.2.7b.3**   *P* **37**   *L* **20**   # r01-10
Dove, Daniel   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

The table is not technically correct in the fact that "1xx" is reserved, but "111" (which falls into the set of 1xx) is not reserved. I think it would be accurate to replace "1xx = Reserved" with two lines that explicitly show reserved values.

SuggestedRemedy

Replace "1xx = Reserved" with 110 = Reserved, 10x = Reserved" in the table and include that information in the explanatory text by adding "Values of '10x' and '110' are reserved." to the end of the paragraph in 45.2.7b.3.2

Response   *Response Status* **C**

ACCEPT.

Cl **104**   *SC* **104.3**   *P* **44**   *L* **18**   # r01-16
Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **A**   *nonezbucket*

Usage of min and max in Table 104-1 is inconsistent with regards to VPSE, PClass, and PPD.

SuggestedRemedy

Make PClass into PClass(min), PPD into PPD(max). Change foot note for VPSE(max) to read as follows:

"VPSE(max) is the maximum allowed voltage at the PSE PI over the full range of operating conditions."

Add new footnote for PClass to read as follows:

"PClass(min) is the minimum average available output power at the PSE PI."

Change PPD footnote to read as follows:

"PPD(max) is the maximum average available power at the PD PI."

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Editor given editorial license to implement suggested remedy.

Cl **104**   *SC* **104.3**   *P* **44**   *L* **18**   # r01-18
Gardner, Andrew   Linear Technology

Comment Type **TR**   *Comment Status* **A**   *ezbucket*

Pclass for Class 4 is incorrect (must've been a typo by the editor).

SuggestedRemedy

Change Pclass value for Class 4 from 11.4W to 1.14W.

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **104**   Page 2 of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **104.3**   9/12/2016 2:39:08 PM
SORT ORDER: Clause, Subclause, page, line

Cl **104**   *SC* **104.4.3.1**   *P* **45**   *L* **21**   # r01-19
Gardner, Andrew   Linear Technology

Comment Type **T**   *Comment Status* **A**   *ezbucket*

The text "Additionally, while full operating voltage is applied, the PSE monitors the current drawn and removes power if it detects an overload, short-circuit or other fault." implies that the PSE may not monitor current drawn when applying a voltage other than the full operating voltage which is not the case.

SuggestedRemedy

Change text to read "Additionally, while voltage is applied, the PSE monitors the current drawn and removes power if it detects an overload, short-circuit or other fault."

Response   *Response Status* **C**

ACCEPT.

Cl **104**   *SC* **104.4.3.3**   *P* **45**   *L* **28**   # r01-11
Dove, Daniel   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

typo

SuggestedRemedy

replace "a" with "an" in both sentences in this definition.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Comment refers to overload_detected on page 46, line 28. Change to:

"overload_detected
TRUE: The PSE has detected an overload condition (see 104.4.6.2.1).
FALSE: The PSE has not detected an overload condition."

Cl **104**   *SC* **104.4.3.3**   *P* **45**   *L* **33**   # r01-20
Gardner, Andrew   Linear Technology

Comment Type **T**   *Comment Status* **A**   *nonezbucket*

The definition of detection_done TRUE or FALSE states that:
"TRUE: the detection sequence has terminated since the last entry to the IDLE state either as a result of a valid signature being detected, an invalid signature being detected, or the tdet_timer timing out.
FALSE: the detection sequence has not terminated since the last entry to the IDLE state either as a result of a valid signature being detected, an invalid signature being detected, or the tdet_timer timing
out.

But the detection state diagram in Figure 104-5 shows that detection_done is TRUE when a valid signature has been detected or an invalid signature has been detected which is the result of the tdet_timer timing out.

SuggestedRemedy

Change the text for detection_done from:

"TRUE: the detection sequence has terminated since the last entry to the IDLE state either as a result of a valid signature being detected, an invalid signature being detected, or the tdet_timer timing out.
FALSE: the detection sequence has not terminated since the last entry to the IDLE state either as a result of a valid signature being detected, an invalid signature being detected, or the tdet_timer timing out."

to:

"TRUE: the detection sequence has terminated since the last entry to the IDLE state either as a result of a valid or invalid signature being detected.
FALSE: the detection sequence has not terminated since the last entry to the IDLE state either as a result of a valid or invalid signature being detected."

Response   *Response Status* **C**

ACCEPT.

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 **104**
SC **104.4.3.3**

Page 3 of 10
9/12/2016 2:39:08 PM

Cl **104**　　　*SC* **104.4.3.3**　　　　　*P* **45**　　　*L* **39**　　　# r01-21
Gardner, Andrew　　　　　　　　　Linear Technology

Comment Type **TR**　　*Comment Status* **A**　　　　　　*nonezbucket*

The definition do_classification_done TRUE or FALSE states that:

TRUE: following a valid detection sequence, the PSE has concluded serial communication after performing a read of the PD information and any additional implementation dependent read or write commands.
FALSE: following a valid detection sequence, the PSE has not concluded serial communication after
performing a read of the PD information and any additional implementation dependent read or write
commands.

But the PSE state diagram in Figure 104-4 indicates that detection of a valid PD signature is not required in order to proceed to classification.

SuggestedRemedy

Change the definition of do_classification_done from:

"...following a valid detection sequence...."

to:

"...following a detection sequence..."

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **104**　　　*SC* **104.4.3.3**　　　　　*P* **46**　　　*L* **6**　　　# r01-22
Gardner, Andrew　　　　　　　　　Linear Technology

Comment Type **E**　　*Comment Status* **A**　　　　　　*ezbucket*

The cross reference in the definition of MFVS_valid is incorrect.

SuggestedRemedy

Change 104.4.7 to 104.4.7.1.

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **104**　　　*SC* **104.4.3.3**　　　　　*P* **47**　　　*L* **19**　　　# r01-23
Gardner, Andrew　　　　　　　　　Linear Technology

Comment Type **TR**　　*Comment Status* **A**　　　　　　*nonezbucket*

The defnition of power_available TRUE or FALSE states:

"TRUE: A compatible PSE class to PD class pairing exists as defined in Table 104-2 and the PSE is able to source the required voltage and power.
FALSE: A valid PSE class to PD class pairing does not exist as defined in Table 104-2 or the PSE is not able to source the required voltage and power."

but footnote a of Table 104-2 states "An 'x' denotes a PSE to PD class pairing where power_available is TRUE." which is inconsistent with the definition of power_available.

SuggestedRemedy

Change footnote a of Table 104-2 to read "An 'x' denotes a valid PSE to PD class pairing."

Response　　　　　*Response Status* **C**

ACCEPT.

Cl **104**　　　*SC* **104.4.3.3**　　　　　*P* **48**　　　*L* **12**　　　# r01-24
Gardner, Andrew　　　　　　　　　Linear Technology

Comment Type **ER**　　*Comment Status* **A**　　　　　　*ezbucket*

The text "12V unreg" in the row header for PD Classes 2 and 3 should be "12V reg"

SuggestedRemedy

See comment

Response　　　　　*Response Status* **C**

ACCEPT.

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 **104**
SC **104.4.3.3**

Page 4 of 10
9/12/2016 2:39:08 PM

Cl **104**   *SC* **104.4.4.1**   *P* **52**   *L* **20**   # r01-41

Gardner, Andrew   Linear Technology

Comment Type **TR**   *Comment Status* **A**   *nonezbucket*

Meeting the new VOC limits and requiring a voltage between Vbad_hi_PSE min and VOC be detected as invalid is potentially onerous for a PSE because of:

1) the potential for relatively high slew rates at the PI when a PD with little or no input capacitance.
2) the 50mV minimum 'must reject' voltage range requirement between VOC and Vbad_hi_PSE min, this competes with other constraints in the existing 4.75V to 5.15V range for VOC.
3) re-using VOC to delimit the upper end of the 'must reject' range. A separate parameter to specify the maximum voltage that may be applied during detection while a valid PD is present may be needed in order to unconstrain VOC.

SuggestedRemedy

A complete remedy will be proposed in presentation gardner_3bu_01_0916.pdf at the meeting in Fort Worth.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

On page 60, line 53 change

"A PD that does not implement classification shall enable a valid detection signature when VPD is less than Vsig_enable min and may enable a valid detection signature when VPD is less than Vsig_enable max."

to

"Class 0 and Class 1 PDs or PDs that do not implement classification shall enable a valid detection signature when VPD is less than Vsig_enable min and may enable a valid detection signature when VPD is less than Vsig_enable max."

Change PD3 on page 77, line 10 from:

"Present valid detection signature when classification is not implemented"

to

"Present valid detection signature when classification is not implemented or if a Class 0 or Class 1 PD"

On page 52, line 20 for item 1 (Open Circuit Voltage) in Table 104-3 , Change VOC max value from 5.15V to 5.5V.

Cl **104**   *SC* **104.4.4.3**   *P* **52**   *L* **47**   # r01-42

Gardner, Andrew   Linear Technology

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

Baseline text in 104.4.4.3 requires that a PSE reject a signature voltage greater than or equal to Vbad_hi_PSE min and by implication less than VOC, but the reduction in VOC max for D3.1 and the absence of a minimum PD input capacitance may make this onerous for a PSE implementer.

SuggestedRemedy

A complete remedy will be proposed in presentation gardner_3bu_01_0916.pdf at the meeting in Fort Worth.

Proposed Response   *Response Status* **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **104**   *SC* **104.4.5**   *P* **53**   *L* **6**   # r01-12

Dove, Daniel   Linear Technology

Comment Type **T**   *Comment Status* **A**   *ezbucket*

Duplication of information. It would be better to point to the correct text in 104.7

SuggestedRemedy

Delete "Implementation of SCCP by a PSE is also optional." and replace with "See 104.7."

Response   *Response Status* **C**

ACCEPT.

Cl **104**   *SC* **104.4.5**   *P* **53**   *L* **9**   # r01-25

Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

Cross reference to Table 104-3 for Tclass is incorrect.

SuggestedRemedy

Change cross reference to Table 104-4.

Response   *Response Status* **C**

ACCEPT.

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 **104**
SC **104.4.5**

Page 5 of 10
9/12/2016 2:39:08 PM

Cl **104**　　*SC* **104.4.6**　　　　*P* **53**　　　*L* **37**　　　# r01-27

Gardner, Andrew　　　　　　　Linear Technology

Comment Type　**E**　　*Comment Status*　**A**　　　　*ezbucket*

Cross references for items 3 and 4 in Table 104-4 are to Equation 104-1, but should be to subclause 104.4.6.3.

SuggestedRemedy

Change the cross references for items 3 and 4 in Table 104-4 from Equation 104-1 to 104.4.6.3.

Response　　　　　　　*Response Status*　**C**

ACCEPT.

Cl **104**　　*SC* **104.4.6**　　　　*P* **53**　　　*L* **38**　　　# r01-26

Gardner, Andrew　　　　　　　Linear Technology

Comment Type　**T**　　*Comment Status*　**D**　　　　*nonezbucket*

Item 3, Output slew rate of Table 104-4 has a requirement for Type A PSEs. Shouldn't this also apply to Type C PSEs as well?

SuggestedRemedy

Change the Type values for item 3 to from 'A' to 'A and C'.

Proposed Response　　　*Response Status*　**Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **104**　　*SC* **104.4.6**　　　　*P* **54**　　　*L* **14**　　　# r01-40

Gardner, Andrew　　　　　　　Linear Technology

Comment Type　**E**　　*Comment Status*　**A**　　　　*ezbucket*

Font size for 'Overload delay timing' may be one point too big relative to other text in Table 104-4.

SuggestedRemedy

Correct font size to be consistent with rest of Table 104-4.

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Editor given editorial license to implement suggested remedy.

Cl **104**　　*SC* **104.4.6**　　　　*P* **54**　　　*L* **33**　　　# r01-28

Gardner, Andrew　　　　　　　Linear Technology

Comment Type　**T**　　*Comment Status*　**A**　　　　*nonezbucket*

The specification for item 20, Idischarge does not specify the conditions over which the current is to be measured. The min requirement also appears to be redundant with the Toff requirement as described in 104.4.6.5 and as such is unnecessarily limiting. Also there is no max limit on Idischarge during SETTLE_SLEEP.

SuggestedRemedy

Delete min requirement and add max of 24mA (Isc) for item 20 (Idischarge) in Table 104-4 and change the sentence in 104.4.6.2 from

"A PSE operating in the SETTLE_SLEEP state shall discharge the PI to the range of VSleep with a current greater than Idischarge."

to

"A PSE operating in the SETTLE_SLEEP state shall discharge the PI with a load of 10uF to a voltage within the range of VSleep with a current in the range of Idischarge".

Response　　　　　　　*Response Status*　**C**

ACCEPT IN PRINCIPLE.

Change min requirement to 1.2mA and add max of 24mA for item 20 (Idischarge) in Table 104-4 and change the sentence in 104.4.6.2 from:

"A PSE operating in the SETTLE_SLEEP state shall discharge the PI to the range of VSleep with a current greater than Idischarge."

to

"A PSE operating in the SETTLE_SLEEP state shall discharge the PI to a voltage within the range of VSleep with a current in the range of Idischarge."

Modify PSE18 from

"To the range of VSleep with a current greater than Idischarge"

to

"To the range of VSleep with a current in the range of Idischarge"

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　　　*Cl*　**104**　　　　Page 6 of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　*SC*　**104.4.6**　　　9/12/2016 2:39:08 PM
SORT ORDER: Clause, Subclause, page, line

Cl **104**   *SC* **104.4.6**   *P* **54**   *L* **37**   # r01-29
Gardner, Andrew   Linear Technology

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

The cross reference to 104.4.6.1 for item 21, VDisable, does not contain any text that describes VDisable.

SuggestedRemedy

Add the following text to 104.4.6.1:

"A PSE operating in the DISABLED state shall discharge the PSE PI to a voltage within the range of VDisable within a time less than TDisable max."

Proposed Response   *Response Status* **Z**
REJECT.

This comment was WITHDRAWN by the commenter.

Cl **104**   *SC* **104.4.6**   *P* **54**   *L* **43**   # r01-30
Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

The cross reference to 104.4.6.7 for item 22, Disable time, is incorrect.

SuggestedRemedy

Change the cross reference for item 22 from 104.4.6.7 to 104.4.6.6.

Response   *Response Status* **C**
ACCEPT.

Cl **104**   *SC* **104.4.6.2.3**   *P* **55**   *L* **44**   # r01-31
Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

The cross reference to Table 104-3 for TWakeup min is incorrect.

SuggestedRemedy

Change the cross reference from Table 104-3 to Table 104-4.

Response   *Response Status* **C**
ACCEPT.

Cl **104**   *SC* **104.5.6**   *P* **62**   *L* **6**   # r01-34
Gardner, Andrew   Linear Technology

Comment Type **T**   *Comment Status* **A**   *nonezbucket*

Items 1 and 2 , Input current and voltage slew rate, of Table 104-7 have a requirement for Type A PDs. Shouldn't these requirements also apply to Type C PDs as well?

SuggestedRemedy

Change the values in the Type fields for items 1 and 2 from 'A' to 'A and C'.

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

Change "A" to "A, C" for items 1 and 2 in Table 104-7. Editor given license to replace "A" with "A, C" where appropriate.

Cl **104**   *SC* **104.5.6**   *P* **62**   *L* **17**   # r01-33
Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

Min values entries for items 4a-4e in Table 104-7 are not specified and should an em-dash.

SuggestedRemedy

Add em-dash to min value fields for items 4a-4e in Table 104-7.

Response   *Response Status* **C**
ACCEPT.

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 **104**
SC **104.5.6**

Page 7 of 10
9/12/2016 2:39:08 PM

Cl **104**   *SC* **104.5.6**   *P* **62**   *L* **41**   # r01-39

Gardner, Andrew   Linear Technology

Comment Type **T**   *Comment Status* **A**   *nonezbucket*

The requirement for CIN in Table 104-7 should also apply during the DISCONNECT and PD_SLEEP states in order for the PSE inrush timing to be satisfied.

SuggestedRemedy

Replace " Input Capacitance during DO_DETECTION, MDI_POWER1, and MDI_POWER_DELAY states" with "Input capacitance when MDI_power_enabled = FALSE" for item 6a in Table 104-7.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Per Task Force discussion, since the max energy delivered during detection is Isc max*VOC*Tdet max = 24mA*5.5V*3.11ms = 410.52uJ, this would make an appropriate limit for the PD discharge energy.

Editor to add new PD subclause shown below and increment subsequent subclauses as needed:

"104.5.6.1 PD Discharge

At a delay of Toff max after PD disconnection from the PSE, a PD shall not source greater than 410uJ out of its PI until the VPD drops below Vsleep max."

Editor to add new PICS PD10

"PD 10, PD Discharge, 104.5.6.1, At a delay of Toff max after PD disconnection from the PSE, a PD shall not source greater than 410uJ out of its PI until VPD drops below Vsleep max, M, Yes[]"

Editor to increment subsequent PD PICS.

Editor given license to make changes.

Cl **104**   *SC* **104.5.6**   *P* **62**   *L* **41**   # r01-43

Gardner, Andrew   Linear Technology

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

Given the new PSE detection criteria in Table 104-3 and the definition of a valid PD with a bad high signature, the absence of a minimum PD input capacitance value during detection in Table 104-5 or 104-7 may be problematic for PSE implementers.

SuggestedRemedy

A complete remedy will be proposed in presentation gardner_3bu_01_0916.pdf at the meeting in Fort Worth.

Proposed Response   *Response Status* **Z**

REJECT.

This comment was WITHDRAWN by the commenter.

Cl **104**   *SC* **104.5.6**   *P* **63**   *L* **6**   # r01-35

Gardner, Andrew   Linear Technology

Comment Type **TR**   *Comment Status* **A**   *nonezbucket*

The max value of VSleep_PD is 3.45V which is less than the VSleep max value of 3.575V for a PSE in Table 104-4. Shouldn't the max values be the same?

SuggestedRemedy

Change the max value for VSleep_PD in Table 104-7 from 3.45V to 3.575V.

Response   *Response Status* **C**

ACCEPT.

Cl **104**   *SC* **104.5.6.1**   *P* **61**   *L* **50**   # r01-32

Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*

Clause 104.5.6.1 text is split before and after Table 104-7, but Table 104-7 is part of 104.5.6.

SuggestedRemedy

Move the start of 104.5.6.1 after Table 104-7.

Response   *Response Status* **C**

ACCEPT IN PRINCIPLE.

Editor given editorial license to implement suggested remedy.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **104**   Page 8 of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **104.5.6.1**   9/12/2016 2:39:08 PM
SORT ORDER: Clause, Subclause, page, line

Cl **104**   *SC* **104.5.6.5**   *P* **44**   *L* **18**   # r01-17
Gardner, Andrew   Linear Technology

Comment Type **TR**   *Comment Status* **A**   *nonezbucket*
PPD is used inconsistently. PPD is maximum power in most places. "over the range of PPD" specifies it as the actual value, as does equation 104-4

SuggestedRemedy
Replace PPD with PPD(max) in most places, except where it says "over the range of PPD", and in 104.5.6.5 including equation 104-4.

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

Example: Change PPD in 104.5.6.4 on page 64 line 41 to PPD (max).

Editor given license to search draft for any other instances where PPD should be replaced with PPD (max) or vice versa.

Cl **104**   *SC* **104.7.1.3**   *P* **68**   *L* **4**   # r01-13
Dove, Daniel   Linear Technology

Comment Type **E**   *Comment Status* **A**   *ezbucket*
Typo

SuggestedRemedy
Replace "PI-as" with "PI- as"; ie; insert a space between "PI-" and the word "as".

Response   *Response Status* **C**
ACCEPT.

Cl **104**   *SC* **104.8.1**   *P* **71**   *L* **6**   # r01-36
Gardner, Andrew   Linear Technology

Comment Type **TR**   *Comment Status* **A**   *nonezbucket*
ISO 26262 is intended to be applied to electrical or electronic systems in "series production cars" with a maximum gross weight of 3500 kg, but the text in 104.8.1 states "All equipment subject to this clause and intended for motor vehicle applications shall conform to ISO 26262."

SuggestedRemedy
Change the text in 104.8.1 from:

"All equipment subject to this clause and intended for motor vehicle applications shall conform to ISO 26262."

to:

"All equipment subject to this clause and intended for motor vehicle applications shall conform to ISO 26262 if required by the given application."

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

During discussion, the task force determined that the second paragraph of 104.8.1 addresses the potential requirement for ISO26262 compliance. Hence the sentence "All equipment subject to this clause and intended for motor vehicle applications shall conform to ISO 26262." is to be deleted from 104.8.1.

Move the last sentence of 104.8.1 to the first paragraph to read as

"All equipment subject to this clause shall conform to IEC 60950-1. In particular, the PSE shall be classified as a Limited Power Source in accordance with IEC 60950-1."

Delete ENV2 and renumber subsequent ENV PICS.

Cl **104**   *SC* **104.8.5**   *P* **72**   *L* **15**   # r01-6
Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*
"a 100 source resistance" should be "a 100 omega source resistance" and 56 Vdc should not split across lines.

SuggestedRemedy
change "a 100 source resistance" to "a 100 omega source resistance" [where "omega" is a capital omega] and make the space in 56 Vdc non-breaking (Ctrl-space).

Response   *Response Status* **C**
ACCEPT.

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 **104**
SC **104.8.5**

Page 9 of 10
9/12/2016 2:39:09 PM

Cl **104**   *SC* **104.8.5**   *P* **72**   *L* **20**   # r01-7
Anslow, Peter   Ciena Corporation

Comment Type **E**   *Comment Status* **A**   *ezbucket*
"shall not result preclude conformance" doesn't make sense.
104.8.1 and 104.8.2 should be cross-references.

SuggestedRemedy
Change "shall not result preclude conformance" to "shall not result in non-conformance"
Make 104.8.1 and 104.8.2 cross-references.

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

Change "shall not result" to "shall not preclude". Make 104.8.1 and 104.8.2 cross-references.

Change ENV4 Value/Comment to read

"Shall not preclude conformance with 104.8.1 and 104.8.2."

Cl **104**   *SC* **104.8.5**   *P* **72**   *L* **20**   # r01-37
Gardner, Andrew   Linear Technology

Comment Type **E**   *Comment Status* **D**   *ezbucket*
Typo in last paragraph of 104.8.5.

SuggestedRemedy
Change text in 104.8.5 from:

"...shall not result preclude ..."

to:

"...shall not preclude..."

Proposed Response   *Response Status* **Z**
PROPOSED REJECT.

This comment was WITHDRAWN by the commenter.

Cl **104**   *SC* **104.9.3**   *P* **74**   *L* **16**   # r01-14
Dove, Daniel   Linear Technology

Comment Type **TR**   *Comment Status* **A**   *nonezbucket*
A number of issues are found in the PICs section

SuggestedRemedy
Incorporate changes recommended in dove_3bu_01_0916.pdf (to be submitted to P802.3bu Task Force)

Response   *Response Status* **C**
ACCEPT IN PRINCIPLE.

Adopt slides 7-13 of http://www.ieee802.org/3/bu/public/sep16/dove_3bu_01_0916.pdf with editorial license.

Cl **104**   *SC* **104.9.8**   *P* **81**   *L* **27**   # r01-15
Dove, Daniel   Linear Technology

Comment Type **E**   *Comment Status* **D**   *ezbucket*
Typo

SuggestedRemedy
Replace "s" with "a", as in "classified as a Limited Power Source".

Proposed Response   *Response Status* **Z**
PROPOSED REJECT.

This comment was WITHDRAWN by the commenter.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Cl* **104**   Page 10 of 10
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *SC* **104.9.8**   9/12/2016 2:39:09 PM
SORT ORDER: Clause, Subclause, page, line