Cl **00**   *SC*   *P*   *L*   **#** 45
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status* **A**
Editing instructions are insufficient

The editing instructions only address editing insertion into the existing standard. They do not provide any assistance to the balloter in identifying text that is marked as changed from the previous draft.

SuggestedRemedy
Clearly identify and inform the balloter how to identify changes from the previous draft.

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

Will fix editing instructions as appropriate.

Cl **00**   *SC*   *P*   *L*   **#** 32
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status* **A**
inconsistent font sizes throughout tables in document

SuggestedRemedy
make all font/sizes the same throughout the table in the document.

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

IEEE editorial staff will correct font issues.

Cl **00**   *SC*   *P*   **1** *L*   **#** 44
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status* **A**   *PA*
RE: EDITORIAL NOTES - This supplement is based on the current edition of IEEE Std 802.3, 2000.

is incorrect. The current REVISION of 802.3 is "IEEE Std 802.3 2002" plus 10 Gig, the previous one is incorrectly cited. It should have been cited as "IEEE Std 802.3 - 2000(E)"

SuggestedRemedy
Cite: The current standard, IEEE Std 802.3 - 2002 plus changes incorporated by IEEE Std 802.3ae - 2002

Ascertain that there are no differences between 2000 and the current standard that would affect the draft. Edit the draft to accommodate any changes

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

Cl **01**   *SC* **4**   *P*   **2** *L*   **18**   **#** 48
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status* **A**
"1.4.x Midspan: ..."

Note that this terminology will also be appropriate for use within other clauses, notably the 10 GIG WIS

SuggestedRemedy
Not sure if any. Consultation with folks from 10 GIG is clearly appropriate.

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

Will collaborate with 10 Gig.

Cl **01**   *SC* **4**   *P*   **2** *L*   **21**   **#** 47
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status* **A**
"1.4.x Link Section..."

This terminology has been formulated in a manner that is specific to DTE Power. Since this definition will apply across all of 802.3. I suspect this may not be work for the folks from 10 Gig

SuggestedRemedy
Not sure. Collaboration with folks from 10 GIG is clearly required.

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

Will collaborate with 10 Gig.

Cl **01**   *SC* **4**   *P*   **2** *L*   **25**   **#** 49
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status* **R**
Oh, the woe of unintended consequences.
The change of the interface on a Mid-Span from an MDI to a PI means that we have invalidated the correctness of the title of the project and supplement

SuggestedRemedy
Change titles as appropriate to "DTE Power via MDI or PI" throughout the draft. A revision of the PAR title should be considered.

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

The title applies to the PD and is correct as the PD is only ever powered through the MDI.

Cl **22** *SC* **22.2.4** *P* **4** *L* **12** # **22**
Rasimas, Jennifer   Nortel Networks

Comment Type **E** *Comment Status* **R**
possible wrong number used?

SuggestedRemedy
change "Registers 4 through 10" to read "Registers 4 through 8" because those are the auto-negotiation ones, unless the master/slave registers are also included in that.

Proposed Response *Response Status* **C**
REJECT.
Fundamentally, this is existing text that we are not changing and is outside our scope. The text 'Registers 4 through 10' is existing text
from the current revision of 802.3, IEEE Std 802.3-2002 and is not being
modified by IEEE P802.3af. In addition, registers 9 and 10 are used by
100BASE-T2 and 1000BASE-T PHYs for MASTER-SLAVE resolution utilizing the Auto-Negotiation Next Page exchange. Hence while the registers are not present in every Auto-Negotiation implementation, nor listed in Clause 28, including them in the list of Auto-Negotiation registers would seem reasonable (See 32.5.2 'Management Functions', 40.5.1 'Support for Auto-Negotiation' and Annex 40C 'Add on interface for additional Next Pages'). The commenter may wish to consider using the Maintenance process to change this text if they still believe it is incorrect.

Cl **30** *SC* **30** *P* **7** *L* **4** # **214**
Law, David   3Com

Comment Type **E** *Comment Status* **A**
The editorial notes need to be updated to reflect that IEEE Std 802.3-2002 and IEEE Std. 802.3ae-2002 are now the base document that is being modified.

SuggestedRemedy
Change text to read '.. of IEEE Std 802.3-2002 as modified by IEEE Std 802.3ae-2002.

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

See comment 44.

Cl **30** *SC* **Table 30-4** *P* **12** *L* **6** # **217**
Law, David   3Com

Comment Type **E** *Comment Status* **A** *PA*
The names of each of the managed object classes should be added to the top row of this table.

SuggestedRemedy
In the top line of this table add the text 'DTE', 'Repeater' and 'MidSpan' for each of the managed objects (see Table 30-1a in IEEE Std. 802.3-2002 for an existing example).

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

Cl **30** *SC* **30.9.1.1.6** *P* **14** *L* **47** # **218**
Law, David   3Com

Comment Type **E** *Comment Status* **A** *PA*
Missing cross-reference.

SuggestedRemedy
Text should read 'Figure 33-5'.

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

Cl **30** *SC* **30.9.1.1.7** *P* **15** *L* **17** # **9**
Darshan, Yair   PowerDsine

Comment Type **E** *Comment Status* **A** *PA*
Redundant "is"

SuggestedRemedy
Remove redundant "is"

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

Cl **30** *SC* **30.9.1.1.10** *P* **16** *L* **4** # **197**
Law, David   3Com

Comment Type **E** *Comment Status* **A** *PA*
The aPSEOverCurrentCounter attribute should be moved to follow the aPSEMPSAbsentCounter as both these coulters are driven by the aPSEPowerMaintenanceStatus attribute and it is odd to have such a gap to the aPSEOverCurrentCounter attribute.

SuggestedRemedy
See comment.

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

Cl **33**   *SC* **1**   *P*   **35** *L*   **21** # **50**
Thompson, Geoff   Nortel

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

The text: "a protocol for removing power when a PD is disconnected."
is incomplete

SuggestedRemedy

Change to: "a protocol for removing power when a PD is disconnected or power is no
longer requested."

The word "method" may be more appropriate than "protocol".

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

"a method for removing power when a PD is disconnected or power is no longer requested

---

Cl **33**   *SC* **1**   *P*   **35** *L*   **28** # **51**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   PA

The text: "This clause differentiates between the two ends of the link, defining the power
sourcing equipment (PSE) and the powered device (PD) as separate but related devices."
is not precisely correct. The PSE may not be at the end of the link

SuggestedRemedy

Change to: "This clause differentiates between the two ends of the powered portion of the
link, defining the power sourcing equipment (PSE) and the powered device (PD) as
separate but related devices."

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

Cl **33**   *SC* **33.1.1**   *P*   **35** *L*   **35** # **23**
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA

extra punctuation

SuggestedRemedy

remove extra period from end of sentence.

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

Cl **33**   *SC* **1**   *P*   **35** *L*   **37** # **52**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   PA

This editor's note should be removed for the next version

SuggestedRemedy

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

Cl **33**   *SC* **33.1.1**   *P*   **35** *L*   **45** # **80**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   PA

"Inrterface" misspelled

SuggestedRemedy
Interface

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

Cl **33**   *SC* **33.1.1**   *P*   **35** *L*   **45** # **24**
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA

typo

SuggestedRemedy
remove extra 'r' from "Interface"

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

Cl **33**   *SC* **33.1.1**   *P*   **35** *L*   **52** # **25**
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA

typo

SuggestedRemedy
spell "Interface" correctly.

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

Cl **33**   *SC* **33.1.1**   *P*   **35** *L*   **52** # **81**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   PA
"Interafce" misspelled

SuggestedRemedy
Interface

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

Cl **33**   *SC* **1.2**   *P*   **36** *L*   **3** # **53**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   PA
Editorial style.
The objectives clause should match the style in both form and text (i.e. use the word "objectives" in line 3) used to that in other clauses.

SuggestedRemedy
Match style from an existing clause, e.g. 40.1.1

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

Cl **33**   *SC* **1.3**   *P*   **36** *L*   **26** # **54**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   PA
Figure needs minor refinement

SuggestedRemedy
Line up the top lines of the PHY and PD boxes

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

Cl **33**   *SC* **1.3**   *P*   **37** *L*   **4** # **55**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   PA
Figure needs minor refinement

SuggestedRemedy
Line up the bottom lines of the PHY and PSE boxes

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

Cl **33**   *SC* **2**   *P*   **37** *L*   **44** # **57**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**
For the reason that "may not be named" we may wish to remove this paragraph

SuggestedRemedy
Remove or keep per consensus at New Orleans meeting

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

Delete line 44 and 45 and scan document for muliple PIs references.

Cl **33**   *SC* **2.1**   *P*   **38** *L*   **44** # **58**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**
Somewhere in this subclause or the next one it needs to say that "nominally" PSEs are associated with MDI-X and PDs are nominally or normally associated with MDI (see clause 14.5.2, penultimate paragraph)

SuggestedRemedy
Add text to that effect into either 33.2.1 or 33.2.2

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

Add text as second paragraph of 33.2.1.

Cl **33**   *SC* **2.2**   *P*   **39** *L*   **9** # **59**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**
The text: "Endpoint PSEs may support either Alternative A or B, or both, as described in 33.2.1. Endpoint PSEs can be compatible with 10BASE-T, 100BASE-TX or 1000BASE-T."
is not technically correct because of the term "or".
The text needs to allow for the case of "and"

SuggestedRemedy
"and/or"

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

. . . and/or 1000BASE-T.

Cl **33**   *SC* **2.3**   *P* **39** *L* **18** # 157
Karam, Roger   CISCO

Comment Type **E**   *Comment Status* **A**   PA
Mis-spelling in two places on this page
Equivilent

and later at line 41 moitoring

SuggestedRemedy
change to equivalent
and monitoring

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

Cl **33**   *SC* **33.2.3**   *P* **39** *L* **18** # 74
Jackson, Stephen   Hatteras Networks

Comment Type **E**   *Comment Status* **A**   PA
'Equilivent' is a misspelling.

SuggestedRemedy
Equivalent

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

Cl **33**   *SC* **33.2.3**   *P* **39** *L* **18** # 2
Burton, Scott   Mitel Networks

Comment Type **E**   *Comment Status* **A**   PA
"Equilivent"

SuggestedRemedy
"Equivalent"

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

Cl **33**   *SC* **33.2.3**   *P* **39** *L* **18** # 82
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   PA
"Equilivent" misspelled

SuggestedRemedy
Equivalent

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

Cl **33**   *SC* **33.2.3.1**   *P* **39** *L* **27** # 83
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**
What is "21.5"?

Also p. 56, line 9

SuggestedRemedy
Provide a better reference

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

Will improve reference.

Cl **33**   *SC* **33.2.3.2**   *P* **39** *L* **38** # 84
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   PA
"maintain power signature" should be capitalized - it's a proper name.

SuggestedRemedy
Maintain Power Signature

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

Cl **33**   *SC* **2.3.2**   *P* **39** *L* **41** # 60
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   PA
"moitoring" should be speld "monitoring"

SuggestedRemedy
fix it

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

Cl **33**   *SC* **33.2.3.2**   *P* **39** *L* **41** # 75
Jackson, Stephen   Hatteras Networks

Comment Type **E**   *Comment Status* **A**   PA
moitoring

SuggestedRemedy
monitoring

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

Cl **33**   *SC* **33.2.3.2**   *P*   **39** *L*   **41** *#* **26**
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   *PA*
typo

SuggestedRemedy
spell "monitoring" correctly

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

Cl **33**   *SC* **2.3.2**   *P*   **39** *L*   **42** *#* **61**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   *PA*
Grammer:
"..., either the monitored DC MPS is present or AC MPS is present."

SuggestedRemedy
fix it to read:
"..., either the monitored DC MPS is present or the monitored AC MPS is present."

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

Cl **33**   *SC* **33.2.3.2**   *P*   **39** *L*   **42** *#* **85**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**
malformed sentence

SuggestedRemedy
add "the monitored" before "AC MPS" or delete "is present" after "DC MPS". Might also
want to define what DC MPS and AC MPS are (DC is table 33-14, item 1; AC is table 33-
14, items 2 and 3)

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

. . . either the monitored DC MPS (ref . . .) or the monitored AC MPS (ref . . .) is present.

Cl **33**   *SC* **33.2.3.2**   *P*   **39** *L*   **49** *#* **86**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
malformed sentence

SuggestedRemedy
change "...PSE has determined...the PD."

to:

"...PSE uses to power the PD."

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

Cl **33**   *SC* **33.2.3.2**   *P*   **40** *L*   **2** *#* **87**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
"ramped it" is way vernacular

SuggestedRemedy
change to "ramped it up" or "increased the power level"

also on lines 4 and 6

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

"increased the power level"

Cl **33**   *SC* **33.2.3.2**   *P*   **40** *L*   **13** *#* **88**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
it isn't the variable that supports the multiple PSEs!

SuggestedRemedy
change "...variable supports multiple PSEs..."

to

"...variable allows support for multiple PSEs..."

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

Cl **33**   *SC* **33.2.3.3**   *P*   **40** *L*   **34** # **89**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
missing an article

SuggestedRemedy
add "a" between "detect" and "PD":

"detect a PD"

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

Cl **33**   *SC* **33.2.3.3**   *P*   **40** *L*   **39** # **90**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
might want to change "Tpmdo" to "Tmpdo" throughout the document to reflect the change from "PMS" to "MPS"

SuggestedRemedy
change "Tpmdo" to "Tmpdo" throughout document

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

Cl **33**   *SC* **33.2.3.3**   *P*   **40** *L*   **46** # **91**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
Tpdc isn't referenced in 33.2.8

SuggestedRemedy
refer to table 33-5

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

Cl **33**   *SC* **33.2.3.4**   *P*   **41** *L*   **3** # **92**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**
function description seems wrong

SuggestedRemedy
change to "The maximum power requested by the PD (in watts) per..."

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

The maximum power in Watts requested by the PD (see Table 33-2).

Cl **33**   *SC* **33.2.3.5**   *P*   **42** *L*   **52** # **206**
Law, David   3Com

Comment Type **E**   *Comment Status* **A**   *PA*
Suggest the state diagram can be accurately named simply 'PSE state diagram'.

SuggestedRemedy
Change title of Figure 33-5 to read 'PSE state diagram'.

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

Cl **33**   *SC* **33.2.4**   *P*   **43** *L*   **33** # **94**
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   *PA*
sentence implies that a PSE shall never power a PD...

SuggestedRemedy
add "opt" between "then" and "not":

"...may then opt not to power..."

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

Cl **33**   *SC* **2.4**   *P*   **43** *L*   **35** # **64**
Thompson, Geoff   Nortel

Comment Type **E**   *Comment Status* **A**   *PA*
Change the text: "PD detection is independent of data link status. Power may be requested by a PD that is already operating the link segment for data communications, or may be requested by a PD that is not yet operational."

SuggestedRemedy
Change to: "PD detection is independent of data link status. Power may be requested by a PD that is validating, valid or already operating the link segment for data communications, or may be requested by a PD that is not yet operational."

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

Cl **33**   *SC* **33.2.4**   *P*   **43**   *L*   **36**   # **95**

Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*

argueably a PD that is requesting power is operational

SuggestedRemedy

change "...by a PD that is not yet operational."

to:

"...by a PD whose data link is not yet operational."

Proposed Response   *Response Status* **C**

ACCEPT.

Cl **33**   *SC* **33.2.7**   *P*   **45**   *L*   **30**   # **97**

Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*

A PSE can only classify one PD at once

SuggestedRemedy

change line to read:

"...classify a PD, and the PD may provide..."

Proposed Response   *Response Status* **C**

ACCEPT.

Cl **33**   *SC* **33.2.7.2**   *P*   **47**   *L*   **31**   # **99**

Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*

"shall" clause is a serious run-on sentence

SuggestedRemedy

Split into two sentences:

"If the measured current method is used, the PSE...limited to 100mA or less to the PI. Polarity shall be the same as defined for Vport...and specifications shall be as defined in Table 33-5."

Proposed Response   *Response Status* **C**

ACCEPT.

Cl **33**   *SC* **2.8.1**   *P*   **49**   *L*   **11**   # **65**

Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status*   **A**   *PA*

The text: "It is possible that two separate PSEs, one which implements Alternative A and one which implements Alternative B, may be attached to the same link segment. In such a configuration, and without any backoff algorithm, the multiple PSEs may prevent each other from ever detecting a PD by interfering with the detection process of the other." ...says that if you don't have back off your PSE is not guaranteed to work in a customer environment. It leads one to believe that backoff and therefore non-foolproof operation is optional

SuggestedRemedy

Change: "...without any backoff.."
To: "without the required backoff..."

Proposed Response   *Response Status* **C**

ACCEPT.

Cl **33**   *SC* **Table 33-5**   *P*   **51**   *L*   **20**   # **11**

Darshan, Yair   PowerDsine

Comment Type   **E**   *Comment Status*   **A**   *PA*

Need to clarify note 2a.
It should be clear that the load rate of change is 35mA/us max when the load is changed from 0.44W to 15.4W.

SuggestedRemedy

Replace note 2a with the new text:
"2a: From 0.44W to 15.4W load step at a rate of change of 35mA/µs max.
The voltage transients as a result of the load changes should be limited by design to 3.5V/µs max."

Proposed Response   *Response Status* **C**

ACCEPT.

Cl **33**   *SC* **table 33-5 notes**   *P*   **51**   *L*   **24**   # **108**

Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*

combine sentences, add more explanation as to why this is needed

SuggestedRemedy

"for the PSE output port, but a requirement...supply output to ensure system stability."

Proposed Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required T/technical E/editorial   COMMENT STATUS: D/dispatched A/accepted R/rejected   SORT ORDER: Clause, Page, Line, Subclause   Page 8 of 16

RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   *Cl* **33**   *SC* **table 33-5**

Cl **33**   *SC* **table 33-5 notes**   *P*   **51**   *L*   **43**   # **109**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*
equation is a little awkward to solve for those not familiar with RMS

SuggestedRemedy
take square root of both sides (add radical around sum and remove exponent from Irms)

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

Cl **33**   *SC* **2.10**   *P*   **52**   *L*   **49**   # **67**
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status*   **A**   *PA*
"Disconnect" is not required, only the removal of power

SuggestedRemedy
Change: "...shall disconnect the power from a port when...."

To: "...shall remove the power from a port when..."

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

Cl **33**   *SC* **33.2.11**   *P*   **52**   *L*   **49**   # **114**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*
"maintain power signature" should be capitalized - see also my comment 5

possibly add MPS definition here as well (or in the definitions section)

Also refer to MPS in line 52

SuggestedRemedy
Capitalize "Maintain Power Signature"

refer to "MPS" in line 52

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

Cl **33**   *SC* **33.3**   *P*   **55**   *L*   **5**   # **117**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*
"to draw power locally" isn't clear

SuggestedRemedy
change to:
"to draw power from an alternate power source..."

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

Cl **33**   *SC* **33.3.3**   *P*   **57**   *L*   **33**   # **119**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*
"Power" should not be capitalized

SuggestedRemedy
Change to "power"

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

Cl **33**   *SC* **33.3.3**   *P*   **57**   *L*   **37**   # **27**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
wrong word used

SuggestedRemedy
change "an" to "a" so it reads "...a non-valid detection..."

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

Cl **33**   *SC* **33.3.3**   *P*   **57**   *L*   **44**   # **76**
Jackson, Stephen   Hatteras Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
separted

SuggestedRemedy
separated

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

Cl **33**   *SC* **33.3.3**   *P*   **57** *L*   **44** # **120**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status* **A**   *PA*
"separted" is misspelled

"in the guardband" sounds wrong to me
SuggestedRemedy
change to "separated"

change "in" to "within"
Proposed Response   *Response Status* **C**
ACCEPT.

Cl **33**   *SC* **33.3.4**   *P*   **58** *L*   **36** # **77**
Jackson, Stephen   Hatteras Networks

Comment Type   **E**   *Comment Status* **A**   *PA*
refine third sentence for clarity

SuggestedRemedy
"Class 0 is the default for PDs. For a PD to be a valid Class 0 load, the only requirement is for the PD to implement a signature resistor."

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

"Class 0 is the default for PDs. For a PD to be a valid Class 0 load, the only requirement is for the PD to implement a signature V-I slope."

Cl **33**   *SC* **33.3.4**   *P*   **58** *L*   **37** # **122**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status* **A**   *PA*
"PD can provide" isn't correct

SuggestedRemedy
change to: "...PD may opt to provide..."

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

Cl **33**   *SC* **33.3.4**   *P*   **58** *L*   **42** # **123**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status* **A**   *PA*
sentence is awkward

SuggestedRemedy
Change to: "A PD designed to present a classification signature shall return return Class 1 to 3 in accordance with..."

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

Cl **33**   *SC* **table 33-12 note**   *P*   **60** *L*   **1** # **125**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status* **A**   *PA*
note is separated from table

SuggestedRemedy
move note to be ahead of page break

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

Cl **33**   *SC* **33.3.5**   *P*   **61** *L*   **20** # **4**
Burton, Scott   Mitel Networks

Comment Type   **E**   *Comment Status* **A**   *PA*
"...are limited to the following numbers:"

SuggestedRemedy
"...are limited as follows:"

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

Cl **33**   *SC* **33.3.5**   *P*   **61** *L*   **37** # **132**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status* **A**
this section is cautionary - does it need to be here or can Annex 33D stand alone?

SuggestedRemedy
consider streamlining or removing this section

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

Add "Cautionary Note:"

Cl **33** *SC* **33.4** *P* **62** *L* **22** # 5

Cobb, Terry Avaya

Comment Type **E** *Comment Status* **A** *PA*

Change wording at the end of second sentence to PI to consistent.

SuggestedRemedy

The sentence should read. The specifications ..... at the cabling side of the mated connection of the PI.

Proposed Response *Response Status* **C**

ACCEPT.

Cl **33** *SC* **33.4** *P* **62** *L* **23** # 6

Cobb, Terry Avaya

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

Grammer

SuggestedRemedy

The last sentence should read: .... when specified as a operating condition.

Proposed Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

as an operating condition.

Cl **33** *SC* **33.4.1.1** *P* **63** *L* **2** # 135

Dwelley, Dave Linear Technology

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

"See IEC 60950" is to brief

SuggestedRemedy

change to "shall conform to the requirements of IEC 60950" or similar language

Proposed Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

Delete IEC 60950.

Add "In addition, see 33.5.1."

Cl **33** *SC* **33.4.1.1.2** *P* **63** *L* **19** # 136

Dwelley, Dave Linear Technology

Comment Type **E** *Comment Status* **A** *PA*

awkward language

SuggestedRemedy

change to "...attached segments as well as to the protective..."

Proposed Response *Response Status* **C**

ACCEPT.

Cl **33** *SC* **33.4.1.1.2** *P* **63** *L* **26** # 137

Dwelley, Dave Linear Technology

Comment Type **E** *Comment Status* **A** *PA*

is "lightning strike" by itself standard safety boilerplate? How about extreme ground differences?

SuggestedRemedy

change to "lightning strike or other hazards"

Proposed Response *Response Status* **C**

ACCEPT.

Cl **33** *SC* **33.4.4** *P* **66** *L* **1** # 7

Cobb, Terry Avaya

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

Correct Figure 33-17 for PI and illustrate that either a PSE or PD load is connected.

SuggestedRemedy

Change MDI to PI in the figure, two places. Change the lines that illustrate the connection of the load, Iout and R or Vsource, to a dotted line, or something similar, to indicate only one or the other is connected at any time.

Proposed Response *Response Status* **C**

ACCEPT IN PRINCIPLE.

"MDI" becomes "PI"

Fix figure as requested.

TYPE: TR/technical required T/technical E/editorial COMMENT STATUS: D/dispatched A/accepted R/rejected SORT ORDER: Clause, Page, Line, Subclause Page 11 of 16

RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn *Cl* **33** *SC* **33.4.4**

Cl **33**   *SC* **Figure**   *P*   **66**   *L*   **1**   # **70**
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status*   **A**
I believe that the MDI indicating lines are incorrectly placed on this diagram. Isn't the "center tapped inductor" part of the isolation transformer that is inside the MDI?

SuggestedRemedy
Fix it or tell me I am wrong.

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

Move MDI indication to the right, and connect them. Enclose 'triangles' with a dashed line box and label as DUT. Replace triangles with rectangles. Replace ground symbols with chassis ground symbols. Make sure chassis come out of DUT.

Cl **33**   *SC* **33.4.8.1.3**   *P*   **70**   *L*   **44**   # **8**
Cobb, Terry   Avaya

Comment Type   **E**   *Comment Status*   **A**   *PA*
Editor dropped a zero in the frequency range.

SuggestedRemedy
Change 10 to 100 MHz in the frequency range.

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

Cl **33**   *SC* **6.1.1**   *P*   **73**   *L*   **1**   # **73**
Thompson, Geoff   Nortel

Comment Type   **E**   *Comment Status*   **A**
There is no definition of the reset default state of each bit. Upon examination it may be zero for each bit.

SuggestedRemedy
Specify precisely the default and reset state of each bit

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

See markings on editors' PDF for default settings.

Cl **33**   *SC* **33.6.1.1**   *P*   **73**   *L*   **24**   # **209**
Law, David   3Com

Comment Type   **E**   *Comment Status*   **A**   *PA*
The bit name 'PSE Pwr Force On Test (11.1)' is inconsistent with the other test bit 'Detection Test Control (11.4)'

SuggestedRemedy
Suggest 'PSE Pwr Force On Test (11.1)' should read 'Force Power Test Control (11.1)'.

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

Cl **33**   *SC* **33.6.1.1.3**   *P*   **73**   *L*   **48**   # **221**
Editor

Comment Type   **E**   *Comment Status*   **A**
Comment number 138 from the comment database on Draft 3.1 was not incorporated into Draft 3.2.

SuggestedRemedy
No changes required because power pair status bits 12.0 have been deleted.

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

Cl **33**   *SC* **33.6.1.2.3**   *P*   **74**   *L*   **45**   # **28**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
wrong form of word used

SuggestedRemedy
change "is absent" to "are absent"

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

Cl **33**   *SC* **33.6.1.2.4**   *P*   **74**   *L*   **52**   # **29**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**
run-on sentence

SuggestedRemedy
put a period after the word "connected" and capitalize "That"

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

. . . connected , i.e., while the . . .

Cl **33**   *SC* **Table 33-17**   *P*   **75**   *L*   **34**   # **30**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**
missing definition

SuggestedRemedy
include definition for "LH" at bottom of table. it's already been defined earlier in the document but it would be helpful if it were defined in this table too.

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

a. RO = Read Only, LH = Latched High

Cl **33**   *SC* **33.6.1.2.5**   *P*   **75**   *L*   **50**   # **31**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
missing word in sentence

SuggestedRemedy
add the word "has" so sentence reads "...and has detected a PD."

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

Cl **33**   *SC* **33.7.3.3**   *P*   **82**   *L*   **22**   # **33**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
missing punctuation

SuggestedRemedy
add a comma after "powered".

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

Cl **33**   *SC* **33.7.3.4**   *P*   **85**   *L*   **22**   # **34**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
missing word

SuggestedRemedy
add the word "will" after "PSE" so it reads "Installation of a PSE will not..."

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

Cl **33**   *SC* **33.7.3.6**   *P*   **88**   *L*   **13**   # **35**
Rasimas, Jennifer   Nortel Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
extra word in comment box

SuggestedRemedy
remove "be" so it reads "Not affected by..."

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

Cl **33**   *SC* **33C.1.9**   *P*   **102**   *L*   **34**   # **78**
Jackson, Stephen   Hatteras Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
"Oscilloscope" misspelled in several places (label in box)

SuggestedRemedy
edit

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

Cl **33**   *SC* **33C.3.1**   *P*   **111**   *L*   **54**   # **79**
Jackson, Stephen   Hatteras Networks

Comment Type   **E**   *Comment Status*   **A**   *PA*
"procedure" misspelled

SuggestedRemedy
edit

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

Cl **33C**   *SC* **33C.1.1**   *P*   **94**   *L*   **5**   # **138**
Dwelley, Dave   Linear Technology

Comment Type   **E**   *Comment Status*   **A**   *PA*
asterix after "Test Load" is unnecessary and confusing since the link to the example circuit is not obvious

SuggestedRemedy
Delete asterix after "Test Load" and again before "A possible example" - nearly every 33C figure needs this change

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

Cl **33C** *SC* **33C.1.2** *P* **95** *L* **7** # **140**
Dwelley, Dave   Linear Technology

Comment Type **E** *Comment Status* **A** *PA*
extra line in the middle of the label "Control"

SuggestedRemedy
remove line

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

Cl **33C** *SC* **33C.1.4** *P* **97** *L* **48** # **143**
Dwelley, Dave   Linear Technology

Comment Type **E** *Comment Status* **A** *PA*
"39VZ" is non-standard nomenclature

SuggestedRemedy
change to: "...the 39V zener..."
also change zener label in "possible example" circuit to "39V"

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

Cl **33C** *SC* **33C.1.10** *P* **105** *L* **21** # **148**
Dwelley, Dave   Linear Technology

Comment Type **E** *Comment Status* **A** *PA*
Note is over-abbreviated

SuggestedRemedy
Change to "Timing values shown are maximums from Table 33-5"

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

Cl **33C** *SC* **33C.1.11** *P* **105** *L* **39** # **36**
Rasimas, Jennifer   Nortel Networks

Comment Type **E** *Comment Status* **A** *PA*
typo

SuggestedRemedy
spell "performs" correctly

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

Cl **33C** *SC* **33C.1.11** *P* **105** *L* **39** # **149**
Dwelley, Dave   Linear Technology

Comment Type **E** *Comment Status* **A** *PA*
typo

SuggestedRemedy
"performs"

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

Cl **33C** *SC* **2.2** *P* **110** *L* **41** # **196**
Schindler, Fred   Cisco

Comment Type **E** *Comment Status* **A** *PA*
The variable R_sac should be I_sac.

SuggestedRemedy
Use the correct term: I_sac.

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

Cl **33C** *SC* **33C.3.1** *P* **112** *L* **11** # **37**
Rasimas, Jennifer   Nortel Networks

Comment Type **E** *Comment Status* **A** *PA*
extra punctuation

SuggestedRemedy
remove period from start of sentence.

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

Cl **33C** *SC* **33C.3.1** *P* **112** *L* **25** # **152**
Dwelley, Dave   Linear Technology

Comment Type **E** *Comment Status* **A** *PA*
Figure and example schematic are not separated

SuggestedRemedy
Separate figure and schematic

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

Cl **33C**   *SC* **Figure 33C.18**   *P*   **112** *L*   **32**   **#** 38
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA
misspelled word

SuggestedRemedy
"oscilloscope" spelled wrong (also found in Figure 33C-19 on page 113, line 21).

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

Cl **33C**   *SC* **33C.4.1**   *P*   **115** *L*   **1**   **#** 39
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA
extra punctuation

SuggestedRemedy
remove period from in front of the word "Figure"

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

Cl **33C**   *SC* **Figure 33C.22**   *P*   **116** *L*   **42**   **#** 153
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   PA
"Possible" is too general

SuggestedRemedy
change to "Allowable"

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

Cl **33C**   *SC* **33C.5.1**   *P*   **118** *L*   **18**   **#** 154
Dwelley, Dave   Linear Technology

Comment Type **E**   *Comment Status* **A**   PA
"possible example" label is buried in the figure - hard to see

SuggestedRemedy
move to left of figure like other figures

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

Cl **33D**   *SC* **33D.1**   *P*   **121** *L*   **24**   **#** 40
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA
missing punctuation

SuggestedRemedy
put a comma after the word "stability"

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

Cl **33D**   *SC* **33D.1**   *P*   **121** *L*   **27**   **#** 41
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**
item listings are messed up

SuggestedRemedy
move "b)" to start of the 2nd item, on line 27
move "c)" to start of the 3rd item, on line 30 (and indent properly)

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

Delete "c)-"

Cl **33D**   *SC* **33D.1**   *P*   **122** *L*   **1**   **#** 42
Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   PA
extra punctuation

SuggestedRemedy
remove extra period from end of sentence

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

Cl **33D**   *SC* **33D.2**   *P*   **123** *L*   **39** **#** **43**

Rasimas, Jennifer   Nortel Networks

Comment Type **E**   *Comment Status* **A**   *PA*

run-on sentence is hard to read and doesn't make sense.

SuggestedRemedy

change paragraph to read "The access to the PD input power supply is not possible through the PD port for evaluating the various impedances and derivation of the above parameters. Because of this, measuring the PD input impedance is a complicated task, and the following guidelines should be followed by the PD vendor:"

Proposed Response   *Response Status* **C**

ACCEPT.