Cl **01**	*SC* **01.1.4**	*P* **13**	*L* **18**	#	48

Anslow, Peter   Nortel Networks

Comment Type **E**   *Comment Status* **D**   *ez*

"1000BASE-T midspan PSE" is defined as "A midspan that will result in a link that can support 10BASE-T, 100BASE-TX, and 1000BASE-T operation."
What is a "midspan"? This definition is different from that in 32.2.2

SuggestedRemedy

Change to be the same as the definition in 32.2.2 making the definition: "A midspan PSE that will result in a link that can support 10BASE-T, 100BASE-TX, and 1000BASE-T operation."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

See 49,365

Cl **01**	*SC* **01.1.4**	*P* **13**	*L* **21**	#	49

Anslow, Peter   Nortel Networks

Comment Type **E**   *Comment Status* **D**   *ez*

"10BASE-T/100BASE-TX midspan PSE" is defined as "A midspan that will result in a link that can only support 10BASE-T and 100BASE-TX operation."
What is a "midspan"? This definition is different from that in 32.2.2

SuggestedRemedy

Change to be the same as the definition in 32.2.2 making the definition: "A midspan PSE that will result in a link that can only support 10BASE-T and 100BASE-TX operation."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

See 48, 365

Cl **01**	*SC* **01.3**	*P* **13**	*L* **11**	#	106

LANDRY, MATTHEW   SILICON LABS

Comment Type **E**   *Comment Status* **D**   *ez*

The ISO/IEC TR NWIP was approved (see liaison from March 2008), so the editor's note does not need to point out that it is up for vote.

SuggestedRemedy

Strike the first sentence of the editor's note: "The vote on the NWIP for this Technical Report is currently taking place."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **01**	*SC* **01.3**	*P* **13**	*L* **7**	#	497

Diab, Wael   Broadcom

Comment Type **E**   *Comment Status* **D**   *ez*

The editor's note is confusing. The only thing the note should state is that the reference will be updated upon publication of the TR

SuggestedRemedy

Please delete the language regarding the vote on the TR. Retain language to point to the TR name

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

see 106

Cl **01**	*SC* **01.4**	*P* **13**	*L*	#	107

LANDRY, MATTHEW   SILICON LABS

Comment Type **E**   *Comment Status* **D**   *ez*

The term "Midspan" should be capitalized.

SuggestedRemedy

Capitalize occurences of "Midspan."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.
Comment Type blank, set to E as default.

Cl **01**	*SC* **1.4**	*P* **13**	*L* **18**	#	365

Piers Dawe   Avago Technology

Comment Type **T**   *Comment Status* **D**   *ez*

Look at 1.4.223 and 1.4.224, for midspan and Midspan PSE respectively. Effectively, 'midspan' is an adjective, and it is distinct from 'Midspan PSE'.

SuggestedRemedy

Here, change 'A midspan that will' to 'A midspan PSE that will', twice.

Proposed Response   *Response Status* **W**

PROPOSED 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 **01**
SC **1.4**

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5/13/2008 12:03:19 PM

Cl **01**   *SC* **1.4**   *P* **13**   *L* **19**   # 366

Piers Dawe   Avago Technology

Comment Type   **E**   *Comment Status*   **D**   *ez*

It's standard practice to give the reader a pointer to more information

SuggestedRemedy

Please add to the end of each definition, '(See IEEE 802.3, Clause 33.)' or as appropriate

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.1.1**   *P* **23**   *L* **44**   # 376

Piers Dawe   Avago Technology

Comment Type   **E**   *Comment Status*   **D**   *ez*

A PD ... need no

SuggestedRemedy

A PD ... needs no

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.1.3**   *P* **24**   *L* **13**   # 112

LANDRY, MATTHEW   SILICON LABS

Comment Type   **E**   *Comment Status*   **D**   *ez*

The dependent clause, "as a non-data entity" should be followed by a comma.

SuggestedRemedy

Replace "as a non-data entity it does not ..." with "as a non-data entity, it does not ..."

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.1.3**   *P* **24**   *L* **50**   # 113

LANDRY, MATTHEW   SILICON LABS

Comment Type   **E**   *Comment Status*   **D**   *ez*

The words "endpoint" and "midspan" in the Figure 33-2 an Figure 33-3 titles, respectively, are not capitalized.

SuggestedRemedy

Capitalize "endpoint" in the the Figure 33-2 title and "midspan" in the Figure 33-3 title.

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.2.8**   *P* **44**   *L* **33**   # 396

Piers Dawe   Avago Technology

Comment Type   **E**   *Comment Status*   **D**   *ez*

Table 33-6 is mentioned here, before Table 33-5 and again on line 44 yet it does not appear until the and of page 46

SuggestedRemedy

Move its anchor earlier

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT.

Editor to swap table physical locations of tables 5 and 6. This will put table 6 ahead of table 5.

Editor to swap table names and references to such tables.

Cl **33**   *SC* **33.2.8**   *P* **44**   *L* **36**   # 476

Geoff, Thompson   Nortel

Comment Type   **ER**   *Comment Status*   **D**   *ez*

The text:
"With Data Link Layer classification, the PSE and PD communicate using the Data Link Layer Protocol (see 33.7) after the PD is powered."
...is not technically correct because because LLDP can be established as soon as data transmission is enabled without regard to the state of the PSE/PD elements. Also powering the PD does not guarantee that LLDP can come up. See 33.2.5 para 3.

SuggestedRemedy

Change to:
"With Data Link Layer classification, the PSE and PD communicate using the Data Link Layer Protocol (see 33.7) as soon as the data link is established."

Proposed Response   *Response Status*   **W**

PROPOSED 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 **33**
SC **33.2.8**

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5/13/2008 12:03:20 PM

Cl **33**	*SC* **33.2.8**	*P* **44**	*L* **47**	# 195	

LANDRY, MATTHEW   SILICON LABS

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

The normative statement, "a PSE shall meet one of the allowable classification permutations listed in Table 33-5," is sufficient for defining what a Type 1 or Type 2 PSE must implement. Further normative text, redundant in meaning to this first statement, should be moderated.

SuggestedRemedy

Replace:
"Subsequent to successful detection, all Type 2 PSEs shall perform classification. A Type 2 PSE performs classification using ..."

With:
"Subsequent to successful detection, all Type 2 PSEs perform classification using at least one of the following: ..."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **33**	*SC* **33.2.8.1**	*P* **45**	*L* **44**	# 179	

Dove, Daniel   ProCurve Networking

Comment Type **ER**   *Comment Status* **D**   *ez*

The language "assume it is powering a Type 2 PD" is not appropriate. We have a shall statement with the word "ass-u-me" behind it. What does that mean and how do you measure it?

SuggestedRemedy

Change to "assign Class 4 classification to the PD"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

See 196

Cl **33**	*SC* **33.2.8.1**	*P* **45**	*L* **44**	# 196	

LANDRY, MATTHEW   SILICON LABS

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

The language, "a Type 2 PSE shall assume it is powering a Type 2 PD," is rather vague. Anyway, the behavior is captured in the state diagram, so this normative textual restatement is not necessary.

SuggestedRemedy

Replace:
"a Type 2 PSE shall assume it is power a Type 2 PD."

With:
"a Type 2 PSE will treat the PD as Type 2."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **33**	*SC* **33.2.8.1**	*P* **45**	*L* **46**	# 23	

Delveaux, Bill   Cisco

Comment Type **E**   *Comment Status* **D**   *ez*

Substitue variable name for number

SuggestedRemedy

Change 51mA to Iclass_lim Min

Proposed Response   *Response Status* **W**

PROPOSED 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 **33**   Page 3 of 8
SC **33.2.8.1**   5/13/2008 12:03:21 PM

Cl **33**   *SC* **33.2.8.2**   *P* **46**   *L* **31**   # 220

Stanford, Clay   Linear Technology

Comment Type **T**   *Comment Status* **D**   *ez*

In table 33-8, we specify a Classification Reset (15ms minimum with Vport<2.8V). We do not however discuss it in the text. Add text.

Additions shown in [square brackets].

SuggestedRemedy

TEXT IS:
All class event voltages and mark event voltages shall have the same polarity as defined for VPort in 33.2.3. The PSE shall complete 2-Event Physical Layer classification and transition to the POWER_ON state without allowing the voltage at the PI to go below VMark min.

APPEND TO THIS PARAGRAPH:
[If the PSE returns to the IDLE state (Figure 33-9), it shall maintain the PI voltage at VReset for a period TReset before starting a new detection.]

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.3**   *P* **57**   *L* **6**   # 232

LANDRY, MATTHEW   SILICON LABS

Comment Type **E**   *Comment Status* **D**   *ez*

"33" is a clause. "33.3" is a subclause.

SuggestedRemedy

Replace "clause" with "subclause."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.3.3.3**   *P* **58**   *L* **45**   # 103

Vladan, Ionel Marius   ON Semiconductor

Comment Type **E**   *Comment Status* **D**   *ez*

Definition of TRUE and FALSE values for the variable pd_dll_capable are with a small mistake. They should be referring to PD instead of PSE.

SuggestedRemedy

Change definition for FALSE and TRUE in :
FALSE : The PD does not implement Data Link Layer classification
TRUE : The PD does implement Data Link Layer Classification

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.3.3.3**   *P* **58**   *L* **45**   # 216

Stanford, Clay   Linear Technology

Comment Type **E**   *Comment Status* **D**   *ez*

Errounous reference to PSE. Should reference PD.

SuggestedRemedy

IS:
pd_dll_capable
This variable indicates whether the PD implements Data Link Layer classification. See 33.6.
Values: FALSE: The PSE does not implement Data Link Layer classification.
TRUE: The PSE does implement Data Link Layer classification.

SHOULD BE:
IS:
pd_dll_capable
This variable indicates whether the PD implements Data Link Layer classification. See 33.6.
Values: FALSE: The PD does not implement Data Link Layer classification.
TRUE: The PD does implement Data Link Layer classification.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.
See comment 103.

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 **33**   Page 4 of 8
SC **33.3.3.3**   5/13/2008 12:03:22 PM

Cl **33**   *SC* **33.3.4**   *P* **61**   *L* **22**   # 233
LANDRY, MATTHEW   SILICON LABS

Comment Type **E**   *Comment Status* **D**   *ez*
More than two voltage/current measurements may be made by the PSE during the detection process. The "slope" applies to any of an infinite number of voltage/current measurements. It is therefore incorrect to specifically refer to "the two voltage/current measurements."

SuggestedRemedy
Delete "the."

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.

Cl **33**   *SC* **33.3.4**   *P* **61**   *L* **29**   # 234
LANDRY, MATTHEW   SILICON LABS

Comment Type **E**   *Comment Status* **D**   *ez*
The definitions for Vn and In are imprecise.

SuggestedRemedy
REPLACE:
"are the [voltage|current] measurements made at the PD PI"

WITH:
"are the first and second [voltage|current] measurements made at the PD PI, respectively"

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT.
Editor may need further direction.

Cl **33**   *SC* **33.3.4**   *P* **61**   *L* **34**   # 397
Piers Dawe   Avago Technology

Comment Type **E**   *Comment Status* **D**   *ez*
Wasted space

SuggestedRemedy
Make tables 33-12, 33-13 full width and resize column widths to contents. Check the anchors are on page 61 at the references to them and Table 33-12 should fit on p61. Start 33.3.5 on p62.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT IN PRINCIPLE.
Propose that we give the editor license to reformat Table 33-12 and 33-13 to reduce height as well as compact the text.

Cl **33**   *SC* **33.3.5.1**   *P* **63**   *L* **45**   # 258
Frosch, Richard   Phihong USA

Comment Type **T**   *Comment Status* **D**   *ez*
Class 4 power in table 33-14 is wrong

SuggestedRemedy
Change 29.5W to 25.5W.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT IN PRINCIPLE.

See 43

Cl **33**   *SC* **33.3.5.1**   *P* **63**   *L* **45**   # 104
Vladan, Ionel Marius   ON Semiconductor

Comment Type **E**   *Comment Status* **D**   *ez*
Since the objective 6 has changed via a passed motion, the tabel 33-14 should be changed accordingly.

SuggestedRemedy
Change 29.5 W to 24 W in tabel 33-14.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT IN PRINCIPLE.

Note, new power level is 25.5W

See 43

Cl **33**   *SC* **33.3.5.1**   *P* **63**   *L* **45**   # 428
Stanford, Clay   Linear Technology

Comment Type **T**   *Comment Status* **D**   *ez*
Table 33-14 PD Power Classification

Class 4 still references 29.5W

Change to 25.5W or Icable * Vport

SuggestedRemedy
Change 29.5W to 25.5W

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT IN PRINCIPLE.

See 43

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 **33**
SC **33.3.5.1**

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Cl **33**	*SC* **33.3.5.1**	*P* **63**	*L* **45**	# 227		

maggiolino, joseph   broadcom

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

 table 33-14 class 4 29.5w

SuggestedRemedy

 table 33-14 class 4 25.5w

Proposed Response *Response Status* **W**

 PROPOSED ACCEPT IN PRINCIPLE.

 See 43

Cl **33**	*SC* **33.3.5.1**	*P* **63**	*L* **45**	# 24		

Feldman, Daniel   Microsemi

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

 Table 33-14

 PD maximum power on class 4 is 29.5W. Should be 25.5W, given 600mA of Icable

SuggestedRemedy

 Replace 29.5 with 25.5W.

Proposed Response *Response Status* **W**

 PROPOSED ACCEPT IN PRINCIPLE.

 See 43

Cl **33**	*SC* **33.3.5.1**	*P* **63**	*L* **45**	# 43		

Patoka, Martin   Texas Instruments

Comment Type **TR** *Comment Status* **A**   *ez*

 Table 33-14

 Icable went to 600mA from 720mA & 29.5W is no longer correct for Class 4.

SuggestedRemedy

 I suggest that the limit be changed to: Icable * Vportmin (see table 33-17)

Response *Response Status* **C**

 ACCEPT IN PRINCIPLE.

 Change class 4 from 29.5W to:

 Icable * Vportmin (see 33.1.4 and table 33-17)

Cl **33**	*SC* **33.3.5.1**	*P* **63**	*L* **45**	# 357		

Hopwood, Keith   Phihong

Comment Type **E** *Comment Status* **D**   *ez*

 Class 4 Power for PD can't be 29.5W with only 600mA

SuggestedRemedy

 Change Value from 29.5W to 24.6W

Proposed Response *Response Status* **W**

 PROPOSED ACCEPT IN PRINCIPLE.

 CommentType field empty, set to E as default

 See comment 43. Note, power is 25.5W, not 24.6W.

Cl **33**	*SC* **33.3.5.1**	*P* **63**	*L* **46**	# 442		

Vetteth, Anoop   Cisco

Comment Type **TR** *Comment Status* **R**   *ez*

 Table 33-14

 Power corresponding to class 4 has not been updated

SuggestedRemedy

 Change 29.5W to 25.5W

Response *Response Status* **C**

 REJECT.

 This comment was WITHDRAWN by the commenter.

 See 43

Cl **33**	*SC* **33.3.5.2**	*P* **64**	*L* **14**	# 154		

Jetzt, John   Avaya

Comment Type **E** *Comment Status* **D**   *ez*

 Fix typos.

SuggestedRemedy

 1. Title of 33.3.5.2: PD 2-Event . . .

 2. First sentence: PDs implementing a 2-Event . . .

Proposed Response *Response Status* **W**

 PROPOSED 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 **33**   Page 6 of 8
SC **33.3.5.2**   5/13/2008 12:03:22 PM

Cl **33**   *SC* **33.3.5.2**   *P* **64**   *L* **14**   # 235

LANDRY, MATTHEW   SILICON LABS

Comment Type **E**   *Comment Status* **D**   *ez*

Title of subsection is "IPD 2-Event class signature"

SuggestedRemedy

Replace "IPD" with "PD."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

See 154

Cl **33**   *SC* **33.3.5.2**   *P* **64**   *L* **14**   # 58

Darshan, Yair   Microsemi Corporation

Comment Type **E**   *Comment Status* **D**   *ez*

Draft D3.0:

Typo. Should be PD and not IPD

SuggestedRemedy

Delete I

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

See 154

Cl **33**   *SC* **33.3.5.2**   *P* **64**   *L* **14**   # 453

Jones, Chad   Cisco

Comment Type **E**   *Comment Status* **D**   *ez*

Typo in heading:

"33.3.5.2 IPD 2-Event class signature" - stray I in front of PD.

SuggestedRemedy

change to: "33.3.5.2 PD 2-Event class signature"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT IN PRINCIPLE.

See 154

Cl **33**   *SC* **33.3.5.2**   *P* **64**   *L* **20**   # 454

Jones, Chad   Cisco

Comment Type **E**   *Comment Status* **D**   *ez*

"The Figure 33-17 state diagram specifies the externally observable behavior of the PD."

This is a completely superfluous sentence that is already stated in the state diagram section of the document.

SuggestedRemedy

Strike the sentence.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT.

Cl **33**   *SC* **33.3.5.2**   *P* **64**   *L* **41**   # 202

Tziony, Noam   Microsemi

Comment Type **T**   *Comment Status* **D**   *ez*

Table 33-16

Item 6: Classification reset voltage (VReset), Additional Information: "See 33.3.5.2.1"

Subsection 33.3.5.2.1 don't talk about VReset at all.

SuggestedRemedy

Change to:

Additional Information: "See 33.3.5.2.2"

Proposed Response   *Response Status* **W**

PROPOSED 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 **33**
SC **33.3.5.2**

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Cl **33**   *SC* **33.3.5.2.1**   *P* **64**   *L* **47**   # 250

LANDRY, MATTHEW   SILICON LABS

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

The VMark range overlaps with the detect range.

Thus, the statement, "when the voltage at the PI is in the range of VMark, a PD implementing 2-Event class signature shall return a non-valid detection signature ..." is imprecise. It should only present this mark event signature in certain states of the state diagram.

SuggestedRemedy

FROM:
When the voltage at the PI is in the range of VMark, a PD implementing 2-Event class signature shall return a non-valid detection signature as defined in Table 33-13.

The PD must draw IMark when voltage at the PI is in the range of VMark.

TO:
When the PD is presenting a mark event signature as shown in the state diagram of Figure 33-17, the PD shall draw IMark as defined in Table 33-16 and present a non-valid detection signature as defined in Table 33-13.

Proposed Response   *Response Status*   **W**

PROPOSED 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 **33**
SC **33.3.5.2.1**

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