Cl **00** *SC* **0** *P* **1** *L* **1** *#* 1

Abramson, David Texas Instruments

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

There is a total of 20 comments that Andy Gardner will be resubmitting for me. These comments (from D1.4 comments) are numbers: 92, 94, 119, 118, 111, 112, 116, 121, 98, 108, 109, 99, 124, 126, 127, 128, 100, 105, 130, 131

SuggestedRemedy

See proposed changes from resubmitted comments

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

The comments referred to above have been renumbered as 2-21 in this database. This comment is accepted since it is just a pointer to those comments.

Cl **104** *SC* **104.4.6** *P* **51** *L* **41** *#* 4

Abramson, David Texas Instruments

Comment Type **ER** *Comment Status* **D** *OK*

This comment applies to item 7 of table 104-6.
We need to reference section 104.4.6.1 for the inrush enable delay time (tpower_dly)

SuggestedRemedy

Add "104.4.6.1" to additional information column.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104** *SC* **104.1.3** *P* **34** *L* **45** *#* 5

Abramson, David Texas Instruments

Comment Type **ER** *Comment Status* **D** *OK*

A PoDL system.is defined as Type A or Type B..A Type A+B system is..
How can we have Type A+B if it has to be Type A or Type B?

SuggestedRemedy

change to: "is defined as either Type A, Type B, or Type A+B. This will match 104.4.1 as well.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104** *SC* **104.3.3.1** *P* **36** *L* **28** *#* 6

Abramson, David Texas Instruments

Comment Type **ER** *Comment Status* **D** *OK*

"Prior to application of normal operating voltage." What exactly is "normal"? Clause 33 just says "operating". Why have we added "normal"

SuggestedRemedy

remove "normal" throughout this section (and rest of draft if used in a similar manner).

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104** *SC* **104.3.3.3** *P* **38** *L* **1** *#* 8

Abramson, David Texas Instruments

Comment Type **ER** *Comment Status* **D** *OK*

power_not_available is the only variable we use in the negative

SuggestedRemedy

Change power_not_available to power_available and update state diagram accordingly.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104** *SC* **104.3.3.6** *P* **40** *L* **10** *#* 9

Abramson, David Texas Instruments

Comment Type **ER** *Comment Status* **D** *OK*

This comment applies to figure 104-4, IDLE state.
Why are we calling out pi_detecting and pi_powered as set to FALSE? There is no way to get to IDLE with those set to TRUE. We don't call out pi_discharge_en.

SuggestedRemedy

remove pi_powered and pi_detecting assignments from IDLE.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **9**

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Cl **104**   *SC* **104.3.4.1**   *P* **41**   *L* **32**   # 12

Abramson, David   Texas Instruments

Comment Type **ER**   *Comment Status* **D**   *OK*

Poor wording: "All detection currents at the PI shall be within the Ivalid current range as specified in Table 104-2 with a valid PD detection signature connected as specified in Table 104-4.

SuggestedRemedy

Reword: "All detection currents at the PI shall be within the Ivalid current range, as specified in Table 104-2, when connected to a valid PD detection signature as specified in Table 104-4."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.6**   *P* **42**   *L* **41**   # 13

Abramson, David   Texas Instruments

Comment Type **ER**   *Comment Status* **D**   *OK*

"prior to application offull operating voltage."

SuggestedRemedy

add space in "of full"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.6**   *P* **43**   *L* **7**   # 14

Abramson, David   Texas Instruments

Comment Type **ER**   *Comment Status* **D**   *OK*

This comment applies to the additional information column in Table 104-3.
Be consistant with the "and" when multiple sections/tables are referenced. Currently both "and" and "&" are used.

SuggestedRemedy

Replace all "and"s and "&"s with commas.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Replace "&" with "and" throughout the tables.

Cl **104**   *SC* **104.3.6.4**   *P* **45**   *L* **23**   # 17

Abramson, David   Texas Instruments

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

"The specification for Tinrush in Table 104-3 applies to the PSE power up time allowed for a PD after completion of detection."
The Tinrush timer does not start until after an optional classification cycle.

SuggestedRemedy

Change sentece to: ".after completion of detection and optional classification."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.6.1**   *P* **54**   *L* **27**   # 20

Abramson, David   Texas Instruments

Comment Type **ER**   *Comment Status* **D**   *OK*

We shouldn't call out a direct implementation.

SuggestedRemedy

Change "the master device" to "a master device" or "an example of the master device"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Change reference text to "the block diagram of a master device."

Cl **104**   *SC* **104.6.3.1**   *P* **55**   *L* **38**   # 21

Abramson, David   Texas Instruments

Comment Type **ER**   *Comment Status* **D**   *OK*

This paragraph seems to have a different line spacing than the rest

SuggestedRemedy

Fix if this is true.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **21**   Page 2 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:52 AM
SORT ORDER: Comment ID

Cl **30**   *SC* **14.1.1.3**   *P* **21**   *L* **38**   # 22
Amason, Dale   NXP

Comment Type **E**   *Comment Status* **D**   *OK*
Typo in definition of unknown attribute. Should be "true state not yet known".

Typo repeated numerous times: 30.14.1.1.4, .5, .6

SuggestedRemedy
Change "know" to "known"

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

Cl **104**   *SC* **6.4.3**   *P* **59**   *L* **12**   # 23
Amason, Dale   NXP

Comment Type **E**   *Comment Status* **D**   *OK*
Figure 104-12
Font size in certain blocks very small.

SuggestedRemedy
Check font size against minimum allowed in IEEE Style Guide. Consider re-drawing figure to make font more easily readible.

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

Cl **104**   *SC* **104..3.5**   *P* **42**   *L* **41**   # 24
Andrewartha, Mike   Microsoft

Comment Type **ER**   *Comment Status* **D**   *OK*
Typo: "offull" should be "of full"

SuggestedRemedy
Change "offull" to "of full"

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

See comment 13.

Cl **00**   *SC* **0**   *P*   *L*   # 25
Andrewartha, Mike   Microsoft

Comment Type **E**   *Comment Status* **D**   *OK*
PDF document file bookmarks have extraneous entries that are not clause or subclause headings. For example under 104.3 the first 6 paragraphs appear as bookmarks.

SuggestedRemedy
Correct the paragraph types and regenerate the PDF file to eliminate the extraneous bookmark entries.

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

Cl **00**   *SC* **0**   *P* **1**   *L* **2**   # 29
Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *OK*
This will be an amendment of IEEE Std 802.3-2015

SuggestedRemedy
Change the variable base_year to 2015 in all files in the book. This should set all instances of "IEEE Std 802.3-201x" and "IEEE Std 802.3-2012" to "IEEE Std 802.3-2015"

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

Cl **00**   *SC* **0**   *P* **1**   *L* **30**   # 30
Anslow, Pete   Ciena

Comment Type **E**   *Comment Status* **D**   *OK*
The copyright year should be set to the year that the draft is published in.

SuggestedRemedy
Change the variable copyright_year to 2016 in all files in the book.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 69.

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: Comment ID

Comment ID **30**   Page 3 of 42
1/15/2016 11:05:52 AM

Cl **FM**　　　*SC* **FM**　　　　　　*P* **10**　　　*L* **13**　　　# 31

Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*OK*

The description of this amendment has to be completed

SuggestedRemedy

Change "IEEE Std 802.3xxTM-201x" to: "IEEE Std 802.3buTM-201x" and fill in the description of the amendment.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 386.

Cl **30**　　　*SC* **30**　　　　　　　*P* **17**　　　*L* **4**　　　# 32

Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*OK*

The editing instruction needs to specify where to edit.

SuggestedRemedy

Change to: "Change the first paragraph of Clause 30 as follows:

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **30**　　　*SC* **30.2.2.1**　　　　*P* **17**　　　*L* **13**　　　# 33

Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*OK*

For amended clauses, the usual practice is to include one of each level of heading above an amended subclause. Here, 30.2 and 30.2.2 are missing.

SuggestedRemedy

Add the headings for 30.2 and 30.2.2

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **30**　　　*SC* **30.2.3**　　　　　*P* **18**　　　*L* **1**　　　# 34

Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*OK*

Figure 30-3 is being changed by the P802.3br draft, which is likely to complete before P802.3bu. However, the replacement in this draft does not take the .3br changes into account.

SuggestedRemedy

Change the editing instruction to: "Replace Figure 30-3 (as modified by IEEE Std 802.3br-201x) with the following:"
Use the version in the P802.3br draft as the basis for the changes being made here.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **30**　　　*SC* **30.2.5**　　　　　*P* **19**　　　*L* **3**　　　# 35

Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　*OK*

P802.3br, which is likely to complete before P802.3bu, is already adding Tables 30-8 and 30-9.
Also, the last sentence of the first paragraph of 30.2.5 refers to this set of tables and has to be modified to account for any extra tables.

SuggestedRemedy

Change the added table to Table 30-10.
Show the last sentence of the first paragraph of 30.2.5 as changing from "... are specified in Table 30-1a through Table 30-9." to "... are specified in Table 30-1a through Table 30-10."

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **35**

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1/15/2016 11:05:52 AM

Cl **30**　　　*SC* **30.14**　　　　　　*P* **20**　　　*L* **45**　　　# 36
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　*OK*
There is no editing instruction for 30.14.
P802.3br, which is likely to complete before P802.3bu, is already adding 30.14.

SuggestedRemedy
Insert an editing instruction: "Insert 30.15 after 30.14 (as inserted by IEEE Std 802.3br-201x) as follows:"
Renumber 30.14 to be 30.15.

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

See 260.

Cl **30**　　　*SC* **30.14.1.1.2**　　　*P* **21**　　　*L* **30**　　　# 37
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　*OK*
"Clause 45" should be a cross-reference

SuggestedRemedy
Make "Clause 45" a cross-reference (with format ClauseNumber) here and throughout the subclauses of 30.14 (10 instances)

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

Cl **30**　　　*SC* **30.14.1.1.4**　　　*P* **22**　　　*L* **15**　　　# 38
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　*OK*
When referencing other places in the standard, we do not include "subclause"

SuggestedRemedy
Change "in subclause 104.3.1" to "in 104.3.1"
In 30.14.1.1.5, change "in subclause 104.4.1" to "in 104.4.1"

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

See 194.

Cl **45**　　　*SC* **45.2**　　　　　　*P* **27**　　　*L* **13**　　　# 39
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **TR**　　　*Comment Status* **D**　　　　　　　　　*OK*
P802.3bn, which is likely to complete before P802.3bu, is already allocating Device address 12 to "OFDM PMA/PMD".

SuggestedRemedy
Change the device address for "Power unit" to 13 and show the changes to Tables 45-1 and 45-2 with respect to the tables as modified by IEEE Std 802.3bn-201x.
Change 45.2.7a to 45.2.7b

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

See comment 323.

Cl **45**　　　*SC* **45.2.7a**　　　　　*P* **28**　　　*L* **15**　　　# 40
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　*OK*
In Table 45-211e, the register names should not end in "register"

SuggestedRemedy
Remove "register" from the three register names in Table 45-211e

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

Cl **45**　　　*SC* **45.2.7a.2.6**　　　*P* **31**　　　*L* **6**　　　# 41
Anslow, Pete　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　*OK*
"45.2" should be a cross-reference.

SuggestedRemedy
Make "45.2" a cross-reference.

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

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: Comment ID

Comment ID **41**

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Cl **45**　　*SC* **45.2.7a.2.8**　　　*P* **31**　　*L* **15**　　# 42

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*

Many bit combinations are reserved for future use in Clause 45. This is shown in the tables and not listed in the text.

SuggestedRemedy

Delete the sentence "The combinations '1010' thru '1111' for bits 12.1.6:3 have been reserved for future use."
Also, in 45.2.7a.2.9, delete the paragraph "The combinations '111' and '110' for bits 12.1.2:0 have been reserved for future use."

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See 209.

Cl **104**　　*SC* **104.1.2**　　　*P* **33**　　*L* **33**　　# 43

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*

Space missing in "IEEE802.3"

SuggestedRemedy

Change "IEEE802.3" to "IEEE 802.3"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See 213.

Cl **104**　　*SC* **104.1.2**　　　*P* **33**　　*L* **6**　　# 44

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*

http://www.ieee802.org/3/WG_tools/editorial/requirements/words.html requires:
Physical Layer (always capped)

SuggestedRemedy

Change "physical layers" to "Physical Layers" page 33 lines 6 and 36, page 53 line 35
Change "physical layer" to "Physical Layer" page 33 line 9
Change "Physical layer" to "Physical Layer" page 33 line 16

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.1.2**　　　*P* **34**　　*L* **1**　　# 45

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*

According to the IEEE style manual figure titles should be "centered below the figure" (as per the 802.3 Frame template).

SuggestedRemedy

Move the titles for all figures to be centred below the figure. This applies to Figures 104-1 through 104-13.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.2**　　　*P* **35**　　*L* **18**　　# 46

Anslow, Pete　　　　　　　　　　Ciena

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

Subclause 1.2.6 is:
1.2.6 Accuracy and resolution of numerical quantities
Unless otherwise stated, numerical limits in this standard are to be taken as exact, with the number of significant digits and trailing zeros having no significance.

Consequently trailing zeros after the decimal point are generally not shown in 802.3.

SuggestedRemedy

On page 35 line 18 and page 62 line 19, change "6.0omega" to "6 omega" (use a non-breaking space (Ctrl space) between the number and its unit).
In Tables 104-1, 104-3, 104-4, 104-6, 104-7, remove all trailing zeros after the decimal point.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.2**　　　*P* **35**　　*L* **32**　　# 47

Anslow, Pete　　　　　　　　　　Ciena

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*

The footnotes to Table 104-1 are not according to the IEEE style manual. They should be numbered a, b, etc. and be associated with the table.

SuggestedRemedy

Place the insertion point at the position for the footnote (e.g. at the end of "VPSE(max) (V)"), then Special, Footnote will insert a suitable table footnote.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **47**

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Cl **104**　　*SC* **104.3.4.1**　　　　*P* **41**　　　*L* **40**　　　# 48

Anslow, Pete　　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　　*OK*

The IEEE style manual says:
"An em dash (-) should be used to indicate the lack of data for a particular cell in a table."

SuggestedRemedy

Insert an em dash (Ctrl-q Shft-q) in all empty cells in the Min and Max column of Tables 104-2, 104-3, 104-4, 104-5, 106-6, 104-7

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.7**　　　　　*P* **61**　　　*L* **2**　　　# 49

Anslow, Pete　　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　　*OK*

The quoted clause title is incorrect in three places on Page 104.7 and in the title of 104.7.4

SuggestedRemedy

In the title of 104.7, the first sentence of 104.7.1, in the Table in 104.7.2.2, and in the title of 104.7.4, change the text after "Clause 104," to "Single-Pair Power over Data Lines (PoDL)" to match the title of Clause 104.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.7.2.2**　　　*P* **61**　　　*L* **43**　　　# 50

Anslow, Pete　　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　　*OK*

"IEEE Std 802.3xx-201x" should be "IEEE Std 802.3bu-201x"

SuggestedRemedy

Change "IEEE Std 802.3xx-201x" to "IEEE Std 802.3bu-201x"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.7.4.1**　　　*P* **62**　　　*L* **16**　　　# 52

Anslow, Pete　　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　　*OK*

The order of columns in the tables in 104.7.4.1 through 104.7.4.7 is not the same as for the PICS in all other recent amendments and the 802.3 template.

SuggestedRemedy

Move the Value/Comment column in the tables in 104.7.4.1 through 104.7.4.7 to be between the Subclause and Status columns.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 235.

Cl **104A**　　*SC* **104A.1**　　　*P* **71**　　　*L* **12**　　　# 53

Anslow, Pete　　　　　　　　　　　　Ciena

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　　*OK*

It is a good idea to give all equations like this an equation number so that they can easily be referenced.

SuggestedRemedy

Add equation number 104A-1 by applying paragraph tag "Aequation". Change "... Is given by:" to "... Is given by Equation (104A-1):" where "Equation (104A-1)" is a cross-reference with format "EquationNumber"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104**　　　　　*P* **33**　　　*L* **0**　　　# 55

Brown, Matt　　　　　　　　　　　　APM

Comment Type **E**　　　*Comment Status* **D**　　　　　　　　　　*OK*

Many figures use Calibri font. For graphics, the style manual recommends use of Arial or Times New Roman.

SuggestedRemedy

Change font to one of the recommended fonts in the following figures:
Figure 104-{1,2,4,5,6,9,10,11,13}

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **55**

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Cl **104**   *SC* **104**   *P* **33**   *L* **0**   # 56
Brown, Matt   APM

Comment Type **E**   *Comment Status* **D**   *OK*

Many figure use font size that is too small read. Rendered at 4-6 pt. Style guide recommends 8 pt.

SuggestedRemedy

Increase font size to at least 8 pt in the following figures:
Figure 104-{7,8,12}

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.6.1**   *P* **54**   *L* **29**   # 57
Carlson, Steven   High Speed Design, In

Comment Type **ER**   *Comment Status* **D**   *OK*

Figure 104-7- SCCP master block diagram
The figure looks more appropriate for an IC datasheet than a standards document.

SuggestedRemedy

In Figure 104-7- SCCP master block diagram, remove the triangle symbol (presumably a receiver buffer, but not explicitly called out as such) and label the input line SCCP RX. Label the transmit line SCCP TX and remove the SPST graphic.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.6**   *P* **54**   *L* **19**   # 58
Carlson, Steven   High Speed Design, In

Comment Type **ER**   *Comment Status* **D**   *OK*

The current text, "SCCP is an open-drain, half-duplex bidirectional serial data bus," implies a partiuclaur implementation.

SuggestedRemedy

Change to:

SCCP is a current-sinking, wire-OR (e.g. open-drain or open-collector), half-duplex bidirectional serial data bus.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.6.2**   *P* **55**   *L* **6**   # 59
Carlson, Steven   High Speed Design, In

Comment Type **ER**   *Comment Status* **D**   *OK*

In Figure 104-8-SCCP slave block diagram, the same issues are present in the figure.

SuggestedRemedy

Please change the figure per the previous comment on Figure 104-7- SCCP master block diagram. Remove the "and ROM" as this assumes a particular implementation.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 57.

Cl **104**   *SC* **104.7.4.1**   *P* **62**   *L* **15**   # 60
Carlson, Steven   High Speed Design, In

Comment Type **ER**   *Comment Status* **D**   *OK*

The PICS table does not follow the standard column format of

Item Feature Subclause Value/Comment Status Support

SuggestedRemedy

Re-arrange columns to

Item Feature Subclause Value/Comment Status Support

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 235.

Cl **01**   *SC* **1.4.2**   *P* **16**   *L* **8**   # 64
Chalupsky, David   Intel Corp.

Comment Type **E**   *Comment Status* **D**   *OK*

missing space between PoDL and Unregulated

SuggestedRemedy

add space

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 79.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **64**   Page 8 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:52 AM
SORT ORDER: Comment ID

Cl **45**　　*SC* **45.2.7a.1**　　　　*P* **28**　　　*L* **26**　　　# 65
Chalupsky, David　　　　　　　Intel Corp.

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*
missing period and space in "Table 45-211f The default"

SuggestedRemedy
add period and space after 45-211f

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

See 136.

Cl **45**　　*SC* **45.2.7a.1**　　　　*P* **28**　　　*L* **28**　　　# 66
Chalupsky, David　　　　　　　Intel Corp.

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*
double period and end of sentence

SuggestedRemedy
delete one

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

See 137.

Cl **104**　　*SC* **104.1.3**　　　　*P* **34**　　　*L* **45**　　　# 67
Chalupsky, David　　　　　　　Intel Corp.

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*
the word "Ethernet" is not necessary to describe 100BASE-T1. it is not used for the other instances of PHY names in the paragraph.

SuggestedRemedy
delete the word Ethernet

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

Cl **00**　　*SC* **0**　　　　　*P*　　　　*L*　　　　# 68
Chalupsky, David　　　　　　　Intel Corp.

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*
inconsistent header between front matter and main body of document. Through page 14 header says ammendment to 802.3-201X. Page 15 on says ammendment to 802.3-2012.

SuggestedRemedy
change header throughout to indicate draft is an amemndment to 802.3-2015. you may just need to get the latest Framemaker template

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

Cl **00**　　*SC* **0**　　　　　*P*　　　　*L*　　　　# 69
Chalupsky, David　　　　　　　Intel Corp.

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*
copyright date in footer (through page 14) says 201x.

SuggestedRemedy
change copyright to 2015 or 2016 depending upon release date of next draft.

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

Cl **FM**　　*SC* **FM**　　　　　*P* **1**　　　*L* **26**　　　# 70
Chalupsky, David　　　　　　　Intel Corp.

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*
cover page errors. First paragraph says 802.3-201X, and 'prepared for task force review'

SuggestedRemedy
change 802.3-201X to 802.3-2015. replace 'task force review' with 'working group ballot' update copyright date line 29.

Proposed Response　　*Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 29.

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: Comment ID

Comment ID **70**

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1/15/2016 11:05:52 AM

Cl **104**   *SC* **104.1.3**   *P* **35**   *L* **14**   # 71

Darshan, Yair   Microsemi

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

We need to add text the prevents DC from PSE to PHY and prevents data line signal to be loaded by PSE

SuggestedRemedy

Add note below figure 104-3:
PSE interface elements that prevents loading the data signal by the PSE are not shown.
PHY elements that prevents DC to be delivered from the PSE to the PHY are not shown.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.5**   *P* **42**   *L* **41**   # 75

DiBiaso, Eric   TE Connectivity

Comment Type **E**   *Comment Status* **D**   *OK*

Add Space to offull

.... after detection and prior to application offull operating....

SuggestedRemedy

.... after detection and prior to application of full operating....

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 13.

Cl **104**   *SC* **104.5.3.1**   *P* **53**   *L* **48**   # 77

DiBiaso, Eric   TE Connectivity

Comment Type **E**   *Comment Status* **D**   *OK*

Add plot to illustrate MDI return loss equation (104-2) for Type A PoDL system.

SuggestedRemedy

Add plot.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.5.3.1**   *P* **54**   *L* **10**   # 78

DiBiaso, Eric   TE Connectivity

Comment Type **E**   *Comment Status* **D**   *OK*

Add plot to illustrate MDI return loss equation (104-3) for Type B PoDL system.

SuggestedRemedy

Add Plot

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **01**   *SC* **1.4.2**   *P* **16**   *L* **8**   # 79

Donahue, Curtis   UNH-IOL

Comment Type **E**   *Comment Status* **D**   *OK*

"PoDLUnregualted" missing space.

SuggestedRemedy

Change "PoDLUnregulated" to "PoDL Unregulated".

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **30**   *SC* **30.14.1.1.4**   *P* **22**   *L* **11**   # 80

Donahue, Curtis   UNH-IOL

Comment Type **E**   *Comment Status* **D**   *OK*

"typeAB" is listed twice. The first instance should be "typeB". Also appears in 30.14.1.1.5 line 28.

SuggestedRemedy

On page 22 line 11 and line 28, change "typeAB" to "typeB".

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **80**

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1/15/2016 11:05:52 AM

Cl **104**　　*SC* **104.5.2**　　　　　*P* **53**　　　*L* **26**　　　# 83

Donahue, Curtis　　　　　　　　　UNH-IOL

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"See clauses 96 and 97", should "96" and "97" be external references?

SuggestedRemedy

Make "96" and "97" green external references.

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 296.

Cl **104**　　*SC* **104.7.4.2**　　　*P* **63**　　　*L* **26**　　　# 86

Donahue, Curtis　　　　　　　　　UNH-IOL

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

PSE15 and PSE16 have a typo in SLEEEP_SETTLE.

SuggestedRemedy

Change "SLEEEP_SETTLE" to "SLEEP_SETTLE"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.7.4.2**　　　*P* **64**　　　*L* **14**　　　# 87

Donahue, Curtis　　　　　　　　　UNH-IOL

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"PSE259" instead of "PSE29"

SuggestedRemedy

Change "PSE259" to "PSE29"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104A**　　*SC* **104A.1**　　　　*P* **71**　　　*L* **16**　　　# 90

Donahue, Curtis　　　　　　　　　UNH-IOL

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"L" and "Ppde(max)" are not listed/defined in this paragraph while all other variables are.

SuggestedRemedy

Please add "L" and "Ppde(max)" definitions to this paragraph to help the reader.

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.3**　　　　　*P* **36**　　　*L* **10**　　　# 92

Dove, Daniel　　　　　　　　　　Dove Networking Solut

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

The term "SCCP" appears here for the first time, yet it has never been defined.

SuggestedRemedy

I recommend adding it to the definitions page.

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Editor granted license to add defintion for SCCP.

Cl **104**　　*SC* **104.3.3.3**　　　*P* **37**　　　*L* **15**　　　# 94

Dove, Daniel　　　　　　　　　　Dove Networking Solut

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

The wording is not how I would suggest it. "A valid MFVS is present" lacks clarity on what a valid MFVS means.

SuggestedRemedy

Remove "a valid", perhaps add "per 104.3.7.1"

Proposed Response　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **94**　　　Page 11 of 42
1/15/2016 11:05:52 AM

Cl **104**　　*SC* **104.3.3.3**　　　　*P* **37**　　*L* **23**　　# 95
Dove, Daniel　　　　　　　　　Dove Networking Solut

Comment Type **TR**　　*Comment Status* **D**　　　　　　　*OK*
The variable is sccp_enabled but the description says whether or not it is "supported".
Supporting something, and enabling it are two different things.

SuggestedRemedy
replace "supported" with "enabled".

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

Cl **104**　　*SC* **104.3.5**　　　　　*P* **42**　　*L* **42**　　# 99
Dove, Daniel　　　　　　　　　Dove Networking Solut

Comment Type **ER**　　*Comment Status* **D**　　　　　　　*OK*
A missing space creates an offull opportunity for a pun.

SuggestedRemedy
add a space between of and full.

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

See comment 13.

Cl **104**　　*SC* **104.4.6.1**　　　　*P* **52**　　*L* **3**　　# 102
Dove, Daniel　　　　　　　　　Dove Networking Solut

Comment Type **ER**　　*Comment Status* **D**　　　　　　　*OK*
An errors and some lack of clarity are found in this sentence. "The PD shall turn on at a
voltage in the range of VOn after a delay greater than tpower_dly as specified in Table 104-
6. The PD shall turn off at a voltage greater than or equal to VOff."

SuggestedRemedy
Change to "The PD shall turn on when Vpd has remained in the range of VOn for a time
greater than tpower_dly as specified in Table 104-6. The PD shall turn off at a voltage
greater less than or equal to VOff."

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

Cl **104**　　*SC* **104.4.6.1**　　　　*P* **52**　　*L* **4**　　# 103
Dove, Daniel　　　　　　　　　Dove Networking Solut

Comment Type **ER**　　*Comment Status* **D**　　　　　　　*OK*
The terminology is a bit strange here. I know what it means, but think perhaps a better
terminology is possible."when fed by VPort_PSE min to VPort_PSE max

SuggestedRemedy
replace with "when a voltage Vpd is applied within"

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

Cl **45**　　*SC* **45.2.7.a2**　　　　*P* **30**　　*L* **15**　　# 113
Gardner, Andrew　　　　　　　　Linear Technology

Comment Type **T**　　*Comment Status* **D**　　　　　　　*OK*
consider adding a PSE Status of "unknown" to match the available options in Section 30
(see P21, L32 for an example)

SuggestedRemedy
see comment

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

Cl **104**　　*SC* **104.6.3.2**　　　　*P* **56**　　*L* **16**　　# 118
Gardner, Andrew　　　　　　　　Linear Technology

Comment Type **TR**　　*Comment Status* **D**　　　　　　　*OK*
No description or requirement for tssw is given.

SuggestedRemedy
State that the slave shall sample the Vpd within the range of tssw during a write 1 or write
0 operation.

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

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: Comment ID

Comment ID **118**　　　Page 12 of 42
1/15/2016 11:05:53 AM

Cl **104**   *SC* **104.6.3.2**   *P* **56**   *L* **23**   # 119
Gardner, Andrew   Linear Technology

Comment Type **T**   *Comment Status* **D**   *OK*
The words 'release and then' appear to be superfluous.

SuggestedRemedy
Delete 'release and then'

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

Cl **104**   *SC* **104.6.3.2**   *P* **56**   *L* **25**   # 120
Gardner, Andrew   Linear Technology

Comment Type **T**   *Comment Status* **D**   *OK*
The words 'hold and then' appear to be superfluous.

SuggestedRemedy
Delete 'hold and then'

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

Cl **104**   *SC* **104.6.4.3**   *P* **59**   *L* **1**   # 122
Gardner, Andrew   Linear Technology

Comment Type **TR**   *Comment Status* **D**   *OK*
Figure 104-12 should be 'Address and Read_Scratchpad function command flowchart'

SuggestedRemedy
see comment

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

Cl **FM**   *SC* **FM**   *P* **1**   *L* **2**   # 178
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
P802.3bu is working on amendment to IEEE Std 802.3-2015.

SuggestedRemedy
Please make sure that all dated references to 802.3 are to "2015" and not to "201x" or "20xx"
There are multiple instances in Front Matter of the document and then at least one per page on the page header.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 29.

Cl **FM**   *SC* **FM**   *P* **3**   *L*   # 179
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Copyright on all pages references "201x"

SuggestedRemedy
Change copyright year from "201x" to "2015" on all pages in the draft. This will need to be changed to 2016 down the road, as dratf progresses through WG and Sponsor ballots

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 69.

Cl **FM**   *SC* **FM**   *P* **7**   *L* **3**   # 180
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
"the IEEE P802.3xx working group ballot."

SuggestedRemedy
Change to "the IEEE P802.3bu working group ballot." - I believe the project designation should be well known by now

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

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: Comment ID

Comment ID **180**   Page 13 of 42
1/15/2016 11:05:53 AM

Cl **01**   *SC* **1.3**   *P* **15**   *L* **48**   # 182
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
No need for 1.3

SuggestedRemedy
Subclauses are added as needed. No need to keep 1.3 as placeholder - numbering will not change anyway.
Please remove 1.3

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

Cl **01**   *SC* **1.4**   *P* **16**   *L* **1**   # 183
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Definitions in 1.4 should be assigned tentative numbers at this time - we have base 802.3-2015 to reference to and several projects already adding definitions to 1.4

SuggestedRemedy
Please assign proper numbers to individual definitions.

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

Cl **30**   *SC* **30.2.2.1**   *P* **17**   *L* **21**   # 185
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Wrong markup changes to oPHYEntity

SuggestedRemedy
Current text reads: "managed object that contains the MAU, PAF, and PSE managed objects in a DTE."
Proposed text reads: "managed object that contains the MAU, PAF, PSE and PoDLPSE managed objects in a DTE"
Which means that there should be underlined comma after "PSE" to make sure there is serial comma in place, and also " and" shoudl be underlined to mark insertion

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

See 320.

Cl **30**   *SC* **30.2.3**   *P* **17**   *L* **30**   # 186
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
No editorial instructions for 30.2.3

SuggestedRemedy
Add editorial instruction: Change text in 30.2.3 as shown below"

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

Cl **30**   *SC* **30.2.3**   *P* **18**   *L* **51**   # 187
Hajduczenia, Marek   Bright House Network

Comment Type **TR**   *Comment Status* **D**   *OK*
Figure 30-3 is already being replaced by P802.3br - any changes in PoDL should either account for changes in P802.3br, or alternatively NOT replace, but simply markup changes needed to add oPoDLPSE - the second approach is preferred

SuggestedRemedy
Change "Replace Figure 30-3 with the following:" to Change Figure 30-3 by adding oPoDLPSE entity as shown in red below:"

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

Cl **30**   *SC* **30.14**   *P* **20**   *L* **45**   # 188
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
No editorial instructions for 30.14

SuggestedRemedy
Add editorial instruction: "Insert new subclause 30.14 as shown below:"

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

See 260.

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: Comment ID

Comment ID **188**   Page 14 of 42
1/15/2016 11:05:53 AM

Cl **30**   *SC* **30.14.1**   *P* **20**   *L* **50**   # 189
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Missing "." at the end of line 50

SuggestedRemedy
Per comment

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ See 153.

Cl **30**   *SC* **30.14.1.1.3**   *P* **21**   *L* **47**   # 191
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Missing "see" in "(Figure 104-4)"

SuggestedRemedy
Change "(Figure 104-4)" to "(see Figure 104-4)"
Same issue on page 23, line 20; page 23, line 34; page 23, line 50, and several other locations in the draft (Clause 30 and 45)
There are also references to Figure 104-5 with the same issue

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

Cl **30**   *SC* **30.14.1.1.3**   *P* **22**   *L* **2**   # 192
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Missing "." at the end of line 2, page 22

SuggestedRemedy
per comment
Same issue on page 22, line 37; page 23, line 10; page 23, line 24; page 23, line 40; page 24, line 2, and several other locations in Clause 30

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

Cl **30**   *SC* **30.14.1.1.4**   *P* **22**   *L* **11**   # 193
Hajduczenia, Marek   Bright House Network

Comment Type **TR**   *Comment Status* **D**   *OK*
Wrong designator

SuggestedRemedy
"typeAB" is repeated twice. Change the first instance of "typeAB" to "typeB"

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

See comment 372.

Cl **30**   *SC* **30.14.1.1.4**   *P* **22**   *L* **15**   # 194
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
We usually do not spell out the word "subclause"

SuggestedRemedy
Change "subclause 104.3.1" to "104.3.1"
Similar change on page 22, line 33

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

Cl **30**   *SC* **30.14.1.1.10**   *P* **24**   *L* **8**   # 195
Hajduczenia, Marek   Bright House Network

Comment Type **TR**   *Comment Status* **D**   *OK*
"This counter has a maximum increment rate of 1.3 counts per second." counters by definition are integer based, and it is not clear how 1.3 counts per second can be represented in this fashion. Perhaps a better way would be indicate that the maximum rate is 13 counts per 10 seconds, to avoid floating point numbers.

SuggestedRemedy
Change "This counter has a maximum increment rate of 1.3 counts per second." to "This counter has a maximum increment rate of 13 counts per 10 seconds."
Similarly, on page 24, line 22, change "This counter has a maximum increment rate of 3.3 counts per second." to "This counter has a maximum increment rate of 33 counts per 10 seconds."

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

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: Comment ID   *Comment ID* **195**   Page 15 of 42
1/15/2016 11:05:53 AM

Cl **30**   *SC* **30.14.1.2**   *P* **24**   *L* **38**   # 196

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

Wrong formatting for "BEHAVIOUR DEFINED AS:"

SuggestedRemedy

Align it with the other keywords in 30.14.1.2

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

Cl **30**   *SC* **30.14.1.4**   *P* **25**   *L* **9**   # 198

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

Wording improvement for behavior description

SuggestedRemedy

Change to "A count of the cumulative energy supplied by the PoDL PSE, measured at the MDI, and expressed in units of millijoules."

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

Cl **30**   *SC* **30.14.2.1**   *P* **25**   *L* **19**   # 199

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

"Same as aPoDLPSEAdminState" - it is better to just copy the text in here as well

SuggestedRemedy

Copy definition of syntax states and replace "Same as aPoDLPSEAdminState"

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

Cl **45**   *SC* **45.2**   *P* **27**   *L* **19**   # 201

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

Extra "." at the end of the sentence

SuggestedRemedy

Remoev extra "."

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

Cl **45**   *SC* **45.2.7a**   *P* **28**   *L* **18**   # 202

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

Missing space in "Single-Pair PSE Status 2register"

SuggestedRemedy

Change to "Single-Pair PSE Status 2 register"

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

See 135.

Cl **45**   *SC* **45.2.7a**   *P* **28**   *L* **21**   # 203

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

Unnecessary editorial instructions

SuggestedRemedy

Subclause 45.2.7a is already marked as being inserted in its entiritey - no need for separate instructions for subclauses
Same comment on page 29, line 10; page 31, line 30

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

See 326.

Cl **45**   *SC* **45.2.7a.1**   *P* **28**   *L* **25**   # 204

Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*

Minor fixes.

SuggestedRemedy

missing "." after "is shown in Table 45-211f"
extra "." in line 28, page 28

Proposed Response   *Response Status*   **W**

PROPOSED ACCEPT. EZ.

See 136.

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: Comment ID

Comment ID **204**   Page 16 of 42
1/15/2016 11:05:53 AM

Cl **45**　　*SC* **45.2.7a.2**　　　　*P* **30**　　*L* **5**　　　# 206

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

Missing space after "=" in PD Class bit definitions

SuggestedRemedy

Change "=Class code 9" to "= Class code 9" - just an example

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **45**　　*SC* **45.2.7a.2**　　　　*P* **30**　　*L* **21**　　# 207

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"LH = Latched High" should be "LH = Latching High"

SuggestedRemedy

Per comment
Same on page 31, line 48

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **45**　　*SC* **45.2.7a.2.5**　　　*P* **30**　　*L* **51**　　# 208

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

enters the state 'ERROR' - figure out how you want to mark up state names and use it
consistently at least within the draft - for now, in Clause 30, state names are not marked in
any special way. In Clause 45, they are surrounded by '' for markup

SuggestedRemedy

Remove all '' around state names in Clause 45

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **45**　　*SC* **45.2.7a.2.8**　　　*P* **31**　　*L* **15**　　# 209

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **ER**　　*Comment Status* **D**　　　　　　*OK*

"The combinations '1010' thru '1111' for bits 12.1.6:3 have been reserved for future use." -
as long as they are marked in the table, no need to list them as reserved explicitly in the
text

SuggestedRemedy

Strike this text
The same change on page 31, line 28

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **45**　　*SC* **45.2.7a.2.8**　　　*P* **31**　　*L* **15**　　# 210

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

Misplaced "."

SuggestedRemedy

Change "bits are reporting "delivering power."" to "bits are reporting "delivering power"."
Similar issue on page 32, line 4

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **00**　　*SC* **0**　　　　　　*P* **30**　　*L* **0**　　　# 211

Hajduczenia, Marek　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"Draft Amendment to IEEE Std 802.3-2012" - I think not

SuggestedRemedy

Update template to reference 2015 and not 2012 - this applies to all Clauses in the draft,
not just Clause 45

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　　*Comment ID* **211**　　Page 17 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　　1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**　　*SC* **104.1.2**　　　　　*P* **33**　　　*L* **33**　　　# 213
Hajduczenia, Marek　　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*
Space missing in "IEEE802.3"

SuggestedRemedy
Per comemnt

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

Cl **104**　　*SC* **104.1.2**　　　　　*P* **34**　　　*L* **1**　　　# 214
Hajduczenia, Marek　　　　　　　Bright House Network

Comment Type **ER**　　*Comment Status* **D**　　　　　　*OK*
Figure captions go UNDER the figure, and not above it

SuggestedRemedy
Please move all Figure captions below figures and use appropriate template for it.

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

See 45.

Cl **104**　　*SC* **104.2**　　　　　*P* **35**　　　*L* **18**　　　# 215
Hajduczenia, Marek　　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*
Unnecessary ".0"

SuggestedRemedy
Change "6.0" to "6"
Also, need space before "Ohm" symbol
Similarly, Table 104-1 contains multiple numbers with ".0" or ".00" and no significant digits afterwards

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

Cl **104**　　*SC* **104.2**　　　　　*P* **35**　　　*L* **26**　　　# 216
Hajduczenia, Marek　　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*
In Table 104-1, make sure the words "unregulated" and "regulated" aare positioned in the same way, i.e., under the numeric voltage value - it will look more consistent in this way

SuggestedRemedy
Per comment

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

Cl **104**　　*SC* **104.2**　　　　　*P* **35**　　　*L* **38**　　　# 217
Hajduczenia, Marek　　　　　　　Bright House Network

Comment Type **T**　　*Comment Status* **D**　　　　　　*OK*
it is not clear why IPI(max) would be expressed in A, where most of the values are on hundreds of mA range

SuggestedRemedy
Change IPI(max) to mA values - these will be more meaningfull

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

Cl **104**　　*SC* **104.3.3.3**　　　　*P* **38**　　　*L* **8**　　　# 219
Hajduczenia, Marek　　　　　　　Bright House Network

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*
Empty lines 8-9 and 18-19

SuggestedRemedy
Please remove extra empty lines

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

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: Comment ID

Comment ID **219**　　　　Page 18 of 42
1/15/2016 11:05:53 AM

Cl **104**   *SC* **104.3.3.4**   *P* **38**   *L* **46**   # 221
Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*
It is not "state machine" but "state diagram"

SuggestedRemedy
Change all instances of "state machine" to "state diagram"

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

Cl **104**   *SC* **104.3.3.6**   *P* **40**   *L* **3**   # 223
Hajduczenia, Marek   Bright House Network

Comment Type   **TR**   *Comment Status*   **D**   *OK*
Several issues with Figure 104-4 state diagram

SuggestedRemedy
1. transition from state RESTART to RESTART-DELAY, and from RESTART_DELAY to IDLE is from top of the state, which is not allowed. Transition branch should exit the state from the bottom.
2. transition from DETECTION to RESTART state and CLASSIFICATION_EVAL to RESTART are combined, but have different conditions. Separate them into wto independent lines
3. incorrect timer start in POWER_UP: is "start_tinrush_timer: and should be "start tinrush_timer"

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

Cl **104**   *SC* **104.3.3.6**   *P* **41**   *L* **3**   # 224
Hajduczenia, Marek   Bright House Network

Comment Type   **ER**   *Comment Status*   **D**   *OK*
There is no reason for such a small text in Figure104-5

SuggestedRemedy
Change font size to match Figure 104-4

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

Cl **104**   *SC* **104.3.3.6**   *P* **41**   *L* **3**   # 225
Hajduczenia, Marek   Bright House Network

Comment Type   **ER**   *Comment Status*   **D**   *OK*
Two state diagrams merged into a single figure

SuggestedRemedy
Separate Detection and MFVS state diagrams into separate figures - there is NO need to clump them together itno a single figure

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

Cl **104**   *SC* **104.4.4**   *P* **50**   *L* **3**   # 227
Hajduczenia, Marek   Bright House Network

Comment Type   **ER**   *Comment Status*   **D**   *OK*
Empty fields in Table 104-4/5/6 - are they intended to be empty (in this case, either - or NA would be welcome) or just missing (in this case, provide the missing value)

SuggestedRemedy
Per comment

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

See comment 48.

Cl **104**   *SC* **104.4.6.5**   *P* **53**   *L* **1**   # 228
Hajduczenia, Marek   Bright House Network

Comment Type   **E**   *Comment Status*   **D**   *OK*
Wrong style for NOTE

SuggestedRemedy
Please pply correct style for NOTE

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

See comment 293.

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: Comment ID

Comment ID **228**   Page 19 of 42
1/15/2016 11:05:53 AM

Cl **104**   *SC* **104.5.3.1**   *P* **54**   *L* **2**   # 229
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Missing spaces between numeric value and unit in "from 2MHz to 600MHz (with a 100? reference impedance)"

SuggestedRemedy
Please scrub the draft and make sure there is always a space between a numeric value and the unit
There are multiple instances within the draft

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

See comment 297.

Cl **104**   *SC* **104.5.2**   *P* **53**   *L* **26**   # 230
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Wrong format of external reference: "(See clauses 96 and 97"

SuggestedRemedy
Change to "(See Clause 96 and Clause 97)", make sure that "Clause 96" and "Clause 97" is marked as External tag

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

See comment 296.

Cl **104**   *SC* **104.6.4.3.1**   *P* **59**   *L* **17**   # 231
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Missing space before "[CCh]"

SuggestedRemedy
Per comment

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

Cl **104**   *SC* **104.6.4.3.1**   *P* **59**   *L* **16**   # 232
Hajduczenia, Marek   Bright House Network

Comment Type **ER**   *Comment Status* **D**   *OK*
Unclear value format: what is [CCh]"?

SuggestedRemedy
If these numbers are intended to be hexadecimal, please change to "[0xCC]" - there are multiple instances in the draft right now where such change would be needed. Otherwise, define what "h" format is

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

See comment 381.

Cl **104**   *SC* **104.6.4.4**   *P* **59**   *L* **35**   # 233
Hajduczenia, Marek   Bright House Network

Comment Type **TR**   *Comment Status* **D**   *OK*
is "1110b" any different than "1110"? Is there any specific reason why this value is marked as "b" versus values in "Class" field where no "b" is included for some reason?

SuggestedRemedy
Remove "b" markers in "Type" field in Table 104-8

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

Cl **104**   *SC* **104.7.4.7**   *P* **68**   *L* **19**   # 234
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Please align column sizes so that PICS number is not broken into two lines

SuggestedRemedy
Per comment

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **234**   Page 20 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**   *SC* **104.7.4.1**   *P* **62**   *L* **15**   # 235
Hajduczenia, Marek   Bright House Network

Comment Type **ER**   *Comment Status* **D**   *OK*
PICS Table do not follow standard format, i.e., Item Feature Subclause Value/Comment Status Support

SuggestedRemedy
Please use the following column order: Item Feature Subclause Value/Comment Status Support

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

Cl **104A**   *SC* **104A.1**   *P* **71**   *L* **14**   # 237
Hajduczenia, Marek   Bright House Network

Comment Type **E**   *Comment Status* **D**   *OK*
Missing Equation number

SuggestedRemedy
Per comment

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

See comment 53.

Cl **104**   *SC* **104.3**   *P* **35**   *L* **52**   # 238
Hidaka, Yasuo   Fujitsu Lab of America

Comment Type **E**   *Comment Status* **D**   *OK*
The paragraphs from P35 L52 until P36 L23 generates unnecessary bookmarks in the PDF file.

The type of paragraph might be wrong.

The same problems are found at the following locations: P27 L6, P27 L18, P28 L1, P28 L8, P28 L22, P29 L10, P31 L30, P36 L21, P41 L24, P42 L24, P42 L27, P42 L29, P46 L14, P49 L42, P49 L46, P49 L49, P49 L51, P52 L3, P52 L6, P52 L11, P52 L24, P52 L40, P52 L46, P52 L48, P52 L50, P52 L52, P58 L29, P58 L31, P58 L32, P58 L34, P58 L38.

SuggestedRemedy
Please avoid generating unnecessary bookmarks in the PDF file for these paragraphs.

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

Cl **FM**   *SC* **FM**   *P* **7**   *L* **3**   # 242
Law, David   Hewlett Packard Enter

Comment Type **E**   *Comment Status* **D**   *OK*
Suggest that '... at the beginning of the IEEE P802.3xx working group ballot.' Be changed to read '... at the beginning of the IEEE P802.3bu working group ballot.'.

SuggestedRemedy
See comment.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 180.

Cl **FM**   *SC* **FM**   *P* **1**   *L* **26**   # 243
Law, David   Hewlett Packard Enter

Comment Type **E**   *Comment Status* **D**   *OK*
The frontmatter currently states that 'Draft D2.0 is prepared for task force review.'.

SuggestedRemedy
Please update the frontmatter in further to reflect the current state.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **243**   Page 21 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **01**   *SC* **1.4**   *P* **16**   *L* **3**   *#* 244
Law, David   Hewlett Packard Enter

Comment Type **E**   *Comment Status* **D**   *OK*
Please provide detailed editing instructions as has been done in other IEEE 802.3 drafts

SuggestedRemedy
Delete the text on line 3 that reads 'Insert the following new definitions into the list, in alphanumerical order:'.
Insert new text on line 3 that reads 'Insert the following definitions after 1.4.330 "Physical Signaling Sublayer (PLS)" as follows:'.
Change the text on line 5 that reads '1.4.1 PoDL Regulated PSE: A PSE ...' to read '1.4.330a PoDL Regulated PSE: A PSE ...'.
Change the text on line 8 that reads '1.4.2 PoDLUnregulated PSE: A PSE ...' to read '1.4.330b PoDLUnregulated PSE: A PSE ...'.
Insert new text on line 10 that reads 'Insert the following definitions after 1.4.418 "Type 2 PSE" as follows:'.
Change the text on line 11 that reads '1.4.3 Type A PoDL System: A system ...' to read '1.4.418a Type A PoDL System: A system ...'.
Change the text on line 15 that reads '1.4.4 Type B PoDL System ...' to read '1.4.418b Type B PoDL System ...'.
Change the text on line 19 that reads '1.4.5 Type A+B PoDL System ...' to read '1.4.418c Type A+B PoDL System ...'.

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

Cl **FM**   *SC* **FM**   *P* **9**   *L* **29**   *#* 245
Law, David   Hewlett Packard Enter

Comment Type **E**   *Comment Status* **D**   *OK*
Suggest that 'At the date of IEEE Std 802.3xx-20xx publication ...' be changed to read 'At the date of IEEE Std 802.3bu-20xx publication ...'

SuggestedRemedy
See comment.

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

Cl **FM**   *SC* **FM**   *P* **9**   *L* **3**   *#* 246
Law, David   Hewlett Packard Enter

Comment Type **E**   *Comment Status* **D**   *OK*
Suggest that '... is not part of IEEE P802.3xx, IEEE Draft Standard ...' be changed to read '... is not part of IEEE P802.3bu, IEEE Draft Standard ...'.

SuggestedRemedy
See comment.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 180.

Cl **FM**   *SC* **FM**   *P* **7**   *L* **16**   *#* 248
Law, David   Hewlett Packard Enter

Comment Type **E**   *Comment Status* **D**   *OK*
Please add voter list.

SuggestedRemedy
See comment.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **248**   Page 22 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **FM**　　　*SC* **FM**　　　　　　*P* **10**　　　*L* **12**　　　# 249

Law, David　　　　　　　　　　Hewlett Packard Enter

Comment Type **E**　　　*Comment Status* **D**　　　　　　　*OK*

Please add the project designation and complete the amendment descriptive text.

SuggestedRemedy

Suggest the text:

IEEE Std 802.3xx-201x

This amendment includes [complete]

---

be changed to read:

IEEE Std 802.3bu-201x

Amendment X-This amendment includes changes to IEEE Std 802.3-2015 to define a methodology for the provision of power via a single twisted pair to connected Data Terminal Equipment (DTE) with IEEE 802.3 interfaces.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ. See comment 386.

Cl **104**　　　*SC* **104.7.2.2**　　　　*P* **61**　　　*L* **42**　　　# 250

Law, David　　　　　　　　　　Hewlett Packard Enter

Comment Type **E**　　　*Comment Status* **D**　　　　　　　*OK*

Suggest that '... conform to IEEE Std 802.3xx-201x.)' be changed to read '... conform to IEEE Std 802.3xx-201x.)'.

SuggestedRemedy

See comment.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　　*SC* **104.1.1**　　　　　*P* **33**　　　*L* **29**　　　# 251

Marris, Arthur　　　　　　　　　　Cadence Design Syst

Comment Type **E**　　　*Comment Status* **D**　　　　　　　*OK*

Phrasing. This sentence does not read well. Delete "where appropriate" as it is redundant.

SuggestedRemedy

Delete "where appropriate"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **45**　　　*SC* **45.2.7a.1**　　　　*P* **28**　　　*L* **26**　　　# 252

Marris, Arthur　　　　　　　　　　Cadence Design Syst

Comment Type **E**　　　*Comment Status* **X**　　　　　　　*OK*

Punctuation

SuggestedRemedy

Change:
Table 45-211f The
To:
Table 45-211f. The

At end of paragraph delete extra period. Change:
".."
To:
"."

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See 136.

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: Comment ID

Comment ID **252**

Page 23 of 42
1/15/2016 11:05:53 AM

Cl **01** *SC* **1.4.1**   *P* **16**   *L* **5**   # 256
Ran, Adee   Intel Corporation

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

Here there are definitions for "PoDL Regulated PSE" and "PoDLUnregulated PSE" (with a missing space) but these terms are never used.

However, the term "PoDL PSE" is used many times but there is no definition for it.

Does "PoDL PSE" stand for either regulated or unregulated? It does not seem obvious.

Regulation requirements can be addressed in the relevant clauses.

SuggestedRemedy

Replace the definitions in 1.4.1 and 1.4.2 with a single definition for "PoDL PSE". Address regulation requirements in the relevant clauses when necessary.

Alternatively, add a definition for "PoDL PSE" and insert the missing space in 1.4.2.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

A definition for "PoDL PSE" will be added, and the missing space in 1.4.2 will be added.

Cl **01** *SC* **1.4.3**   *P* **16**   *L* **12**   # 257
Ran, Adee   Intel Corporation

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

The second sentence of this definition seems to be directly implied from the first one. If that is the case, it is redundant and confusing.

Same issue with the definitions in 1.4.4 and 1.4.5.

SuggestedRemedy

Either delete the second senetence of each definition, or reword to clarify what it is supposed to add to the definition.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

The second sentence will be deleted in 1.4.4 and 1.4.5.

Cl **30** *SC* **30.2.2.1**   *P* **17**   *L* **21**   # 258
Ran, Adee   Intel Corporation

Comment Type **E** *Comment Status* **D**   *OK*

New text "and PoDLPSE" is not underlined.

SuggestedRemedy

Underline newly inserted text.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

See 320.

Cl **30** *SC* **30.2.3**   *P* **17**   *L* **31**   # 259
Ran, Adee   Intel Corporation

Comment Type **E** *Comment Status* **D**   *OK*

Missing editorial instruction.

SuggestedRemedy

Insert "Change the first paragraph as follows:"

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **30** *SC* **30.14**   *P* **20**   *L* **44**   # 260
Ran, Adee   Intel Corporation

Comment Type **E** *Comment Status* **D**   *OK*

Missing editorial instruction.

SuggestedRemedy

Insert "Insert new subclause 30.14".

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **260**   Page 24 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **30**   *SC* **30.14.1**   *P* **20**   *L* **50**   # 261
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*
Missing period after "actions"

SuggestedRemedy
Add a Period.

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

See 153.

Cl **30**   *SC* **30.14.1.1.4**   *P* **22**   *L* **12**   # 262
Ran, Adee   Intel Corporation

Comment Type **TR**   *Comment Status* **D**   *OK*
"typaAB" apperas twice.

Also in 30.14.1.1.5.

SuggestedRemedy
Change the first occurrence to "typeB".

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

See comments 193 and 372.

Cl **30**   *SC* **30.14.2.1**   *P* **26**   *L*   # 265
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*
Blank page.

SuggestedRemedy
Remove page.

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

Cl **45**   *SC* **45.2**   *P* **27**   *L* **19**   # 266
Adee, Ran   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*
Editorial instructions includes swapped words "reserved row m.5.15:2 for"

SuggestedRemedy
Change to "reserved for m.5.15:2"

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

Cl **45**   *SC* **45.2.7a**   *P* **28**   *L* **25**   # 267
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*
Missing period after "Table 45-211f" Superfluous period after "intervention" (end of this paragraph)..

SuggestedRemedy
Use one period in both cases.

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

Cl **45**   *SC* **45.2.7a.1.1**   *P* **28**   *L* **47**   # 268
Ran, Adee   Intel Corporation

Comment Type **TR**   *Comment Status* **D**   *OK*
The second sentence starting with "A PSE may disable" suggests an option for a PSE ("may equals is permitted to"). If the PSE disables something then it should be _indicated_ to management. But I assume this is not the intention.

Was this supposed to be "PSE power classification may be disabled"? If so, the second sentence could be deleted since it just repeats the first sentence.

In addition, the second paragraph uses "shall" which means it is a requirement, not an option. This is confusing.

SuggestedRemedy
If this function is mandatory, delete the second sentence (which includes "may").

If it is optional, change "shall be" to "is" twice.

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

Classification is optional. The wording will be changed from "shall be" to "is".

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: Comment ID

Comment ID **268**   Page 25 of 42
1/15/2016 11:05:53 AM

Cl **104**　　*SC* **104.1.2**　　　　*P* **33**　　*L* **35**　　# 271

Ran, Adee　　　　　　　　　Intel Corporation

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"Single-Pair PoDL comprises an optional power entity when used..."

"comprises" means "is composed of", but I don't see how the rest of the sentence fits this meaning.

SuggestedRemedy

Change "Single-Pair PoDL comprises an optional power entity when used" to "Single-Pair PoDL is an optional power entity to be used"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.1.2**　　　　*P* **34**　　*L* **4**　　# 272

Ran, Adee　　　　　　　　　Intel Corporation

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

Fonts in figure 104-1 seem to be stretched out horizontally and lines are thicker than in figure 104-2.

SuggestedRemedy

Reformat figure 104-1 to fix font and line width.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.3**　　　　*P* **35**　　*L* **52**　　# 274

Ran, Adee　　　　　　　　　Intel Corporation

Comment Type **T**　　*Comment Status* **D**　　　　　　　*OK*

What is "end station equipment"?

SuggestedRemedy

Either define this term or replace it with another term.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Reword sentence as follows:

"The PSE provides the power to the PD."

Cl **104**　　*SC* **104.3.3.3**　　　　*P* **37**　　*L* **12**　　# 277

Ran, Adee　　　　　　　　　Intel Corporation

Comment Type **T**　　*Comment Status* **D**　　　　　　　*OK*

I_port is not a state diagram variable - no state diagram uses it. In addition, its definition isn't specific - does it have a data type, accuracy specification, etc.?

SuggestedRemedy

Remove this variable from the list.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Iport is just IPSE. Hence the definition is superfluous.

Cl **104**　　*SC* **104.3.4**　　　　*P* **41**　　*L* **26**　　# 281

Ran, Adee　　　　　　　　　Intel Corporation

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

"Table 104-2" is not an active cross reference.

SuggestedRemedy

Add cross-reference.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.3.5**　　　　*P* **42**　　*L* **41**　　# 283

Ran, Adee　　　　　　　　　Intel Corporation

Comment Type **E**　　*Comment Status* **D**　　　　　　　*OK*

Missing space in "offull"

SuggestedRemedy

Change to "of full"

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 13.

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: Comment ID

Comment ID **283**

Page 26 of 42
1/15/2016 11:05:53 AM

Cl **104**   *SC* **104.3.6**   *P* **43**   *L* **10**   # 285
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*

Font size seems to be inconsistent wihin the table (parameter names, numbers "22", "200" and other cells). Also in other tables.

SuggestedRemedy

Fix all tables to use consistent font size.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.6**   *P* **43**   *L* **38**   # 286
Ran, Adee   Intel Corporation

Comment Type **T**   *Comment Status* **D**   *OK*

Units in this table are very inconsistent - some values are in s, others in ms; also A and mA are used interchangably. This is confusing.

SuggestedRemedy

Fix to use consistent units, preferably across the clause.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Change all time and current units to ms and mA.

Cl **104**   *SC* **104.3.6.2.1**   *P* **45**   *L* **4**   # 287
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*

missing space in "1ms"

SuggestedRemedy

change to "1 ms"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.6.5**   *P* **45**   *L* **32**   # 289
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*

"The specification . shall apply" is an unusual way of making a normative requirement.

SuggestedRemedy

Either:
1. Use the same wording as in 104.3.6.4: "The specification. applies to"
2. Change to "The discharge time from V_PSE in the POWER_ON state to V_Sleep shall be shorter than T_Off"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.4.6.5**   *P* **52**   *L* **40**   # 292
Ran, Adee   Intel Corporation

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

Is there a normative requirement here? It seems to be just a definition.

SuggestedRemedy

Rephrase to state the definition (which is unconditional), and then the conditions and normative requirements if any.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

See 405.

Cl **104**   *SC* **104.4.6.5**   *P* **53**   *L* **1**   # 293
Ran, Adee   Intel Corporation

Comment Type **E**   *Comment Status* **D**   *OK*

Inconsistent font size

SuggestedRemedy

Fix it.

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **293**   Page 27 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**　　*SC* **104.5.2**　　　　　*P* **53**　　*L* **26**　　# 296

Ran, Adee　　　　　　　　　　Intel Corporation

Comment Type **ER**　　*Comment Status* **D**　　　　　　*OK*

Clauses 96 and 97 are not included in IEEE Std 802.3-2015 - they are part of amendments 802.3bw and 802.3bp that is not listed in the introduction.

The fault tolerance requirements for both clauses are in 96.8.3. It would be a good service to the reader to point to the specific subclause.

In addition, reference to subclauses that are not part of this draft should be in forest green.

SuggestedRemedy

Add a listing of amendments 802.3bp and 802.3bw in the introduction (assuming they are expected to be published earlier).

Change the "of the appropriate specifying clause. (See clauses 96 and 97)" to "in 96.8.3." with numbers in forest green.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.5.3.1**　　　　*P* **53**　　*L* **40**　　# 297

Ran, Adee　　　　　　　　　　Intel Corporation

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*

Numbers and units should be separated by a non-breaking space. They are unseparated in several places in this subclause.

SuggestedRemedy

Add nbsp between values and units.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **00**　　*SC* **0**　　　　　　　*P* **17**　　*L* **21**　　# 300

Remein, Duane　　　　　　　　Huawei Technologies

Comment Type **ER**　　*Comment Status* **D**　　　　　　*OK*

Undefined TLAs - "PSE" & "PD"
While I'm sure all you poodles are breed to know the meaning of this term, the rest of us Ethernet dogs aren't.

SuggestedRemedy

Spell out 1st instance of use in each clause
<OR>
Add to Cl 1.5 Abbreviations

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **00**　　*SC* **0**　　　　　　　*P* **30**　　*L* **26**　　# 301

Remein, Duane　　　　　　　　Huawei Technologies

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

I don't see any state "ERROR" in figure 104-4

Same issue exists at line 52 and in Cl 30 pg 24 line 13

SuggestedRemedy

Point to a valid state in a state diagram.
<OR>
(Preferred) map this MDIO bit to a defined SD variable.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

See 131. Map this MDIO bit to the OVERLOAD state.

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: Comment ID

Comment ID **301**　　Page 28 of 42
1/15/2016 11:05:53 AM

Cl **01**　　*SC* **1.4**　　　　　　*P* **16**　　*L* **2**　　　# 302

Remein, Duane　　　　　　　　　Huawei Technologies

Comment Type **ER**　　*Comment Status* **D**　　　　　　*OK*

L3 headers should identify where in the list the definition should go.
For example 1.4.1 PoDL Regulated PSE should be 1.4.330a per current template.
Editing instruction should ref. existing definition as in current template:
"Insert the following new definition after 1.4.x <name>:"

SuggestedRemedy

Update 1.4.x headers as per current template.

Add new/changed editing instructions per current template.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.3.3.6**　　　*P* **40**　　*L* **2**　　　# 303

Remein, Duane　　　　　　　　　Huawei Technologies

Comment Type **ER**　　*Comment Status* **D**　　　　　　*OK*

Figure titles should appear at the bottom of the figure and not at the top as specified in the current template.

SuggestedRemedy

Scrub the draft for errant figure titles and align with paragraph tag and style per current template.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.4.3.3**　　　*P* **47**　　*L* **6**　　　# 306

Remein, Duane　　　　　　　　　Huawei Technologies

Comment Type **T**　　*Comment Status* **D**　　　　　　*OK*

enable_mdi_power never set to TRUE (set to FALSE in state RESET Figure 104-6-PD state diagram), If never set to TRUE is probably not needed and can be removed.

SuggestedRemedy

Change enable_mdi_power to enable_mdi_pwr (2x)

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.4.3.6**　　　*P* **49**　　*L* **24**　　# 307

Remein, Duane　　　　　　　　　Huawei Technologies

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*

IEEE Style manual (Table 1 & Figure 1) recommends Times New Roman and Arial fonts in figures of at least 8 points with a 6 point minimum. Vpd>Vsig_disable looks marginal (maybe OK, check in FM).

SuggestedRemedy

Align with Style manual for all figures.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.4.3.6**　　　*P* **49**　　*L* **22**　　# 308

Remein, Duane　　　　　　　　　Huawei Technologies

Comment Type **T**　　*Comment Status* **D**　　　　　　*OK*

sccp_watchdog_tmr used in Figure 104-6-PD state diagram not formally defined.

Same issue with tpowerdly_tmr

However sccp_watchdog_timer & tpowerdly_timer are.

SuggestedRemedy

Change
sccp_watchdog_timer to sccp_watchdog_tmr (1x) and
tpowerdly_timer to tpowerdly_tmr (2x)

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**　　*SC* **104.4.4**　　　　*P* **50**　　*L* **5**　　　# 311

Remein, Duane　　　　　　　　　Huawei Technologies

Comment Type **E**　　*Comment Status* **D**　　　　　　*OK*

Table 104-4 Fgood row what is a "RESETstate" (hyphenated to two lines in pdf)?

SuggestedRemedy

Add missing space between RESET and state.

Proposed Response　　　*Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **311**　　　　Page 29 of 42
1/15/2016 11:05:53 AM

Cl **104**   *SC* **104.4.4**   *P* **50**   *L* **9**   # 312
Remein, Duane   Huawei Technologies

Comment Type **T**   *Comment Status* **D**   *OK*
The meaning of "rising" & "falling" under conditions in Table 104-4 escapes me. If Vconnector is at 4.0 V and stays there for an hour is Vsig_disable still not TRUE?

SuggestedRemedy
replace rising and falling with "less than" and "greater than" resp.

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

Cl **104**   *SC* **104.7.4.4**   *P* **67**   *L* **5**   # 313
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
PIC Item crosses line "COMEL1"
Same issue in PSE Electrical, and SCCP tables.

SuggestedRemedy
Adjust the table column so the Item is on a single line.

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

Cl **104**   *SC* **104.4.6.5**   *P* **53**   *L* **1**   # 314
Remein, Duane   Huawei Technologies

Comment Type **E**   *Comment Status* **D**   *OK*
Note appear to be text paragraph tag

SuggestedRemedy
Change to paragraph tag Note per current template.

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

See comment 293.

Cl **104**   *SC* **104.4.7**   *P* **53**   *L* **5**   # 315
Remein, Duane   Huawei Technologies

Comment Type **E**   *Comment Status* **D**   *OK*
"PD Maintain Full Voltage" should be "PD maintain full voltage"
Unless you mean the defined proper noun "Maintain Full Voltage Signal"

SuggestedRemedy
Change to lower case or add Signal.

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

Cl **104**   *SC* **104.5.3.1**   *P* **53**   *L* **49**   # 316
Remein, Duane   Huawei Technologies

Comment Type **E**   *Comment Status* **D**   *OK*
Impressive equation editing. Is it native FrameMaker?

SuggestedRemedy
Kudos to the Editors if it is.

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

Yes, it is.

To be honest, I lifted a similar equation from the bt draft and modified it since I couldn't do it from scratch myself.

Cl **104**   *SC* **104.6.4.3**   *P* **59**   *L* **1**   # 318
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
IEEE Style manual (Table 1 & Figure 1) recommends Times New Roman and Arial fonts in figures of at least 8 points with a 6 point minimum.
CCh BRDCAST ADDR COMMAND
AAh SCRATCHPAD READ
Bus Master RX CLASS_TYPE_INFO
Bus Master RX CRC-8
All appear to be less than the minimum of 6 point.
Other text in figure appear marginal

SuggestedRemedy
Align Figure 104-12 with Style manual.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **318**   Page 30 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **30**   *SC* **30.2.2.1**   *P* **17**   *L* **21**   # **320**
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
mark-up only shows deleted text and does not indicate added text "and PoDLPSE"

SuggestedRemedy
Show additions with proper (underline) mark-up.

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

Cl **30**   *SC* **30.2.3**   *P* **17**   *L* **30**   # **321**
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
Missing Editing Instruction for para 30.2.3.
The same issues exists at:
30.14 pg 20 ln 45

SuggestedRemedy
Add appropriate instruction such as "Change the first paragraph of 30.2.3 as shown:" and
"Insert sub-clause 30.14 as shown:"

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

See 186.

Cl **30**   *SC* **30.2.5**   *P* **20**   *L* **1**   # **322**
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
Table without reference. It is customary to include at least on text referencing each table
and figure.

SuggestedRemedy
Add text referencing new Table 30-8.

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

Cl **45**   *SC* **45.2**   *P* **27**   *L* **5**   # **323**
Remein, Duane   Huawei Technologies

Comment Type **TR**   *Comment Status* **D**   *OK*
Sorry but MDIO MMD 12 has already been claimed by EPoC.

SuggestedRemedy
Change Editing Instruction to:
"Insert row to add Power Unit Registers to Table 45-1 as changed by P802.3bn as shown
(unchanged rows not shown):"
Change MMD 12 to 13 in text and Table 45-1.
Change new row to underlined text in Table 45-1
Change stricken 12 to stricken 13 in Table 45-1
In section 45.2.7a change all instances of "12." to "13."

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

Cl **45**   *SC* **45.2**   *P* **27**   *L* **28**   # **324**
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
All added text in modified Cl 45 tables should be shown in underlined text.

SuggestedRemedy
Show added text (row m.5.12) in Table 45-2 as underlined

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

Cl **45**   *SC* **45.2.7a.1**   *P* **28**   *L* **21**   # **326**
Remein, Duane   Huawei Technologies

Comment Type **E**   *Comment Status* **D**   *OK*
Extraneous editing instruction. "Insert the following subclauses to add Single-Pair PSE
Control Register as shown:"
The instruction that inserts 45.2.7a (which of course will become 7b) can cover all sub-
clauses.

SuggestedRemedy
strike here as pg29 ln 10 and pg 31 ln 30.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **326**   Page 31 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **45**   *SC* **45.2.7a.1**   *P* **28**   *L* **25**   # 327
Remein, Duane   Huawei Technologies

Comment Type **E**   *Comment Status* **D**   *OK*
Missing period "Table 45-211f The default"

SuggestedRemedy
Clearly delineate sentence with period. "Table 45-211f. The default"

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

Cl **45**   *SC* **45.2.7a.2.1**   *P* **30**   *L* **26**   # 328
Remein, Duane   Huawei Technologies

Comment Type **T**   *Comment Status* **D**   *OK*
While this information about the power denied bit is interesting it leaves one with a
question concerning the Power removed bit.
"The Power Denied bit shall be implemented with latching high behavior as defined in 45.2."

SuggestedRemedy
Change "Power Denied" to "Power Removed"

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

Cl **45**   *SC* **45.2.7a.2.1**   *P* **30**   *L* **26**   # 330
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
Dead link "(Figure 104-4)"

SuggestedRemedy
All xreferences should be live links. Scrub the clause for instances of dead links and make
live. "Figure 104-4" and "Figure 104-5" seem to be prevalent cases.

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

Cl **45**   *SC* **45.2.7a.2.7**   *P* **31**   *L* **9**   # 334
Remein, Duane   Huawei Technologies

Comment Type **TR**   *Comment Status* **D**   *OK*
This definition lacks a clear mapping of this enumeration to the three PSE Types of Type
A, Type B, and Type A+B. Are the bits shown in Table 45-211g 7, 8, & 9 or 9, 8 & 7?
Except for Type A PSE this would make a difference.

Same issue exists for bit 12.1.6:3 and 12.1.2:0 and in Table 45-211h bits 12.2.2:0

SuggestedRemedy
In table 45-211g clearly indicate bits 7, 8, & 9 in the description field.

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

Add the following to 45.2.7a.2.7:

When read as '000', bits 12.1.9:7 indicate a Type A PSE, when read as '001' a Type B PSE
is indicated, and when read as '010' a Type A+B is indicated.

Use similar text for PD class field and Table 45-211h bits 12.2.2:0.

Cl **45**   *SC* **45.2.7a.3**   *P* **31**   *L* **35**   # 335
Remein, Duane   Huawei Technologies

Comment Type **E**   *Comment Status* **D**   *OK*
Cannot find "Table 45.2.7a.3.1h"

SuggestedRemedy
Change to "Table 45-211h"

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

Cl **FM**   *SC* **FM**   *P* **5**   *L* **54**   # 336
Remein, Duane   Huawei Technologies

Comment Type **ER**   *Comment Status* **D**   *OK*
Copy write date should be 2016 for next draft.
Para Style for copy write statement is incorrect (should be centered)

SuggestedRemedy
Change to copyright_year variable to 2016 in each clause.
Align styles throughout the draft to current 802.3 template.

Proposed Response   *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 69.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **336**   Page 32 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **FM** *SC* **FM** *P* **3** *L* **1** # 337
Remein, Duane Huawei Technologies

Comment Type **ER** *Comment Status* **D** *OK*
"Draft Amendment to IEEE Std 802.3-201X" should be 2015

SuggestedRemedy
change to header "Draft Amendment to IEEE Std 802.3-2016" in all clauses.

Proposed Response *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 69.

Cl **FM** *SC* **FM** *P* **7** *L* **35** # 338
Remein, Duane Huawei Technologies

Comment Type **ER** *Comment Status* **D** *OK*
Missing WG voter list.

SuggestedRemedy
Add voter list as determined by WG Chair.

Proposed Response *Response Status* **W**
PROPOSED ACCEPT. EZ. See comment 248.

Cl **104** *SC* **104.2** *P* **36** *L* **7** # 340
Schindler, Fred Seen Simply

Comment Type **ER** *Comment Status* **D** *OK*
Existing text,
"To remove normal operating voltage when no longer requested or required, transitioning to the SLEEP state"
should be inproved.

SuggestedRemedy
Replace text with,
"To remove normal operating voltage when no longer required or when transitioning to the SLEEP state"

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

Cl **104** *SC* **104.3.6.5** *P* **45** *L* **45** # 341
Schindler, Fred Seen Simply

Comment Type **ER** *Comment Status* **D** *OK*
Existing text,
"A PSE may remove power from a PD that causes the PSE to source more than PClass."
should be improved.

SuggestedRemedy
Replace the text with,
"A PSE may remove power from the PI when more than PClass is sourced."

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

Cl **104** *SC* **104.3.7.1** *P* **46** *L* **8** # 342
Schindler, Fred Seen Simply

Comment Type **ER** *Comment Status* **D** *OK*
Existing sentence,
"Voltage shall be reduced to the range of VSleep at the PI when the MFVS has been absent for a duration greater than TMFVDO."
should be improved.

SuggestedRemedy
Replace with,
"The PSE-PI Voltage shall be reduced to the range of VSleep when the MFVS has been absent for a duration greater than TMFVDO."

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

Cl **104** *SC* **104.3.3.3** *P* **38** *L* **7** # 345
Scruton, Peter University of New Ham

Comment Type **E** *Comment Status* **D** *OK*
missing period

SuggestedRemedy
add period

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

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: Comment ID

Comment ID **345** Page 33 of 42
1/15/2016 11:05:53 AM

Cl **104**   *SC* **104.3.5**   *P* **42**   *L* **42**   # 346
Scruton, Peter   University of New Ham

Comment Type   **E**   *Comment Status*   **D**   *OK*
    typo: offull

SuggestedRemedy
    of full

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

    See comment 13.

Cl **104**   *SC* **104.3.6.5**   *P* **45**   *L* **33**   # 347
Scruton, Peter   University of New Ham

Comment Type   **E**   *Comment Status*   **D**   *OK*
    "In addition, it is recommended that the PI be discharged when the PSE in not enabled."

    It looks like the final "in" of this sentence should be "is".

SuggestedRemedy
    change to:
    In addition, it is recommended that the PI be discharged when the PSE is not enabled.

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

Cl **104**   *SC* **104.4.3.3**   *P* **47**   *L* **27**   # 348
Scruton, Peter   University of New Ham

Comment Type   **E**   *Comment Status*   **D**   *OK*
    "TRUE: present the detection signature at the PI"
    missing period

SuggestedRemedy
    supply period

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

Cl **104**   *SC* **104.4.3.3**   *P* **47**   *L* **35**   # 349
Scruton, Peter   University of New Ham

Comment Type   **E**   *Comment Status*   **D**   *OK*
    "TRUE: apply the MFVS"
    missing period

SuggestedRemedy
    supply period

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

Cl **104**   *SC* **104.7.4.2**   *P* **63**   *L* **49**   # 351
Scruton, Peter   University of New Ham

Comment Type   **E**   *Comment Status*   **D**   *OK*
    PSE22 references 104.3.6.2.1, but looks like it should reference 104.3.6.2.2.

SuggestedRemedy
    change to 104.3.6.2.2

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

Cl **104**   *SC* **104.7.4.2**   *P* **64**   *L* **4**   # 352
Scruton, Peter   University of New Ham

Comment Type   **E**   *Comment Status*   **D**   *OK*
    PSE24 appears to inadvertently reference 104.3.6.5 instead of 104.3.6.4
    PSE25 appears to inadvertently reference 104.3.6.5 instead of 104.3.6.4
    PSE26 appears to inadvertently reference 104.3.6.6 instead of 104.3.6.5

SuggestedRemedy
    update references:
    PSE24 to 104.3.6.4
    PSE25 to 104.3.6.4
    PSE26 to 104.3.6.5

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **352**   Page 34 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**　　*SC* **104.7.4.7**　　　　　*P* **69**　　*L* **4**　　　# 353
Scruton, Peter　　　　　　　　　University of New Ham

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*
SCCP22
Value/Comment: "Only after issuing an appropriate an appropriate address command"

extra "an appropriate"

SuggestedRemedy
Value/Comment: "Only after issuing an appropriate address command"

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

Cl **104**　　*SC* **104.7.4.7**　　　　　*P* **69**　　*L* **7**　　　# 354
Scruton, Peter　　　　　　　　　University of New Ham

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*
SCCP23:
reference is currently 104.6.4.3, but appears it may have moved to:
104.6.4.3.1

SuggestedRemedy
update reference to:
104.6.4.3.1

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

Cl **104**　　*SC* **104.7.4.3**　　　　　*P* **65**　　*L* **49**　　　# 355
Scruton, Peter　　　　　　　　　University of New Ham

Comment Type **E**　　*Comment Status* **D**　　　　　　　　　*OK*
PD15
In Value/Comment:
"... Table 104-6for ..."
missing space

SuggestedRemedy
add space

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

Cl **104**　　*SC* **104.7.4.2**　　　　　*P* **63**　　*L* **1**　　　# 357
Scruton, Peter　　　　　　　　　University of New Ham

Comment Type **ER**　　*Comment Status* **D**　　　　　　　　*OK*
PSE9 value/comment condition c not currently present in referring section (104.3.4.3).

SuggestedRemedy
remove condition c

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

Cl **104**　　*SC* **104.7.4.3**　　　　　*P* **65**　　*L* **41**　　　# 358
Scruton, Peter　　　　　　　　　University of New Ham

Comment Type **ER**　　*Comment Status* **D**　　　　　　　　*OK*
PD13
This appears to have been affected by an update to the draft.

Text in 104.4.6.2 currently states:
During operation in the DISCONNECT and PD_SLEEP states, the PD shall not draw current in excess of ISleep_PD as specified in Table 104-6.

SuggestedRemedy
Change to:
PD13
Feature: Input current while in DISCONNECT and PD_SLEEP states
Value/Comment: Drawn current not to exceed ISleep_PD as specified in Table 104-6.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　　　*Comment ID* **358**　　Page 35 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　　　　1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**   *SC* **104.7.4.3**   *P* **66**   *L* **13**   # 359

Scruton, Peter   University of New Ham

Comment Type **ER**   *Comment Status* **D**   *OK*

PD19
It appears that this is not in sync with the current draft.

The value/comment states:
"... no longer than TMFVDO_PD"

The reference in this draft 104.4.7 states:
"... no longer than TMFVDO min"

SuggestedRemedy

Change the value/comment to refer to TMFVDO min

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.7.4.7**   *P* **68**   *L* **29**   # 360

Scruton, Peter   University of New Ham

Comment Type **ER**   *Comment Status* **D**   *OK*

SCCP13:
Value/Comment: "Initiate by pulling PI port voltage low and then pulling up the PI port
voltage within tW0L"

104.6.3.3 states:
The master device shall initiate a read time slot by pulling its
PI port voltage low and then pulling-up the PI port voltage within tW1L.

SuggestedRemedy

update to tW1L

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.3.6**   *P* **40**   *L* **21**   # 362

Slavick, Jeff   Avago Technologies

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

In Figure 104-4 the exit from DETECTION has a potential conflict when both
valid_signature and tdet_timer_done assert at the same time.

SuggestedRemedy

Add !tdet_time_done to the exit paths to CLASSIFICATION and POWER_UP

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.3.4**   *P* **38**   *L* **28**   # 363

Slavick, Jeff   Avago Technologies

Comment Type **T**   *Comment Status* **D**   *OK*

The timers are listed and stated what their used for, but the durations are scattered around
Clause 104 in several different tables.

SuggestedRemedy

Add a pointer reference for each timer to it's appropriate Table

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.3.3.6**   *P* **40**   *L* **27**   # 364

Slavick, Jeff   Avago Technologies

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

In Figure 104-4 the exit from POWER_UP could have a conflict of exit condition if both
tin_rush_timer and power_applied assert at the same time.

SuggestedRemedy

Add "* !power_applied" to the exit path from POWER_UP to RESTART

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **364**   Page 36 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**   *SC* **104.3.3.6**   *P* **40**   *L* **46**   *#* 366

Slavick, Jeff   Avago Technologies

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

In Figure 104-4 the exit from SETTLE_SLEEP has a potential conflict if both vsleep_valid and toff_timer_done assert at the same time.

SuggestedRemedy

Add "*!toff_timer_done" to the exit from SETTLE_SLEEP to SLEEP

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.4.3.6**   *P* **49**   *L* **49**   *#* 367

Slavick, Jeff   Avago Technologies

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

In Figure 104-6 the exit from DO_DETECTION has a potential conflict when a sccp_reset_pulse occurs when Vpd exceeds Vsig_disable

SuggestedRemedy

Add !sccp_reset_pulse to the exit from DO_DETECTION to MDI_POWER1

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104**   *SC* **104.4.3.6**   *P* **49**   *L* **37**   *#* 369

Slavick, Jeff   Avago Technologies

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

Exit from PD_SLEEP could have potential exit conflict when both wakeup and Vpd>Vsig_disable occur at the same time.

SuggestedRemedy

Add "* Vpd < Vsig_disable" to the transition from PD_SLEEP to DO_DETECTION

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **FM**   *SC* **FM**   *P* **7**   *L* **13**   *#* 370

Thompson, Geoff   GraCaSI S. A.

Comment Type **E**   *Comment Status* **D**   *OK*

Dove is missing as Phase II TF Chair

SuggestedRemedy

Demote Dwelley to Phase I TF Chair. Add Dove as Phase II TF Chair

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **30**   *SC* **30.14.1.1.4**   *P* **22**   *L* **11**   *#* 372

Thompson, Geoff   GraCaSI S. A.

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

Typo/cut-paste error. Label for Type B PoDL PSE is incorrect

SuggestedRemedy

Change label from "Type AB" to "Type B"

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

See comment 193.

Cl **104**   *SC* **104.1**   *P* **33**   *L* **12**   *#* 374

Thompson, Geoff   GraCaSI S. A.

Comment Type **ER**   *Comment Status* **D**   *OK*

We do not specify the power supply, only its characteristics (on the load side)

SuggestedRemedy

Change to read: "The characteristics of a power source to add power to the 100 single balanced twisted-pair cabling system."

Proposed Response   *Response Status* **W**

PROPOSED ACCEPT. EZ.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **374**   Page 37 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**   *SC* **104.1**   *P* **33**   *L* **14**   *#* 375
Thompson, Geoff   GraCaSI S. A.

Comment Type **E**   *Comment Status* **D**   *OK*
Improve grammar

SuggestedRemedy
Change to read: "...required at each end of the link..."

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

Cl **104**   *SC* **104.1.2**   *P* **33**   *L* **36**   *#* 376
Thompson, Geoff   GraCaSI S. A.

Comment Type **ER**   *Comment Status* **D**   *OK*
Sentence 2 does not make it clear that the data being referenced is out-of-band to
Ethernet data.

SuggestedRemedy
Change sentence to read: "Data which is out of band to normal Ethernet traffic may be
transmitted and received between the PSE and PD prior..."

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

Cl **104**   *SC* **104.1.3**   *P* **35**   *L* **35**   *#* 377
Thompson, Geoff   GraCaSI S. A.

Comment Type **TR**   *Comment Status* **D**   *OK*
Diagram does not depict MDI/PI.

SuggestedRemedy
Add 2 instances of the MDI/PI to diagram 104-3.

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

Cl **104**   *SC* **104.3.5**   *P* **42**   *L* **41**   *#* 378
Thompson, Geoff   GraCaSI S. A.

Comment Type **TR**   *Comment Status* **D**   *OK*
Space missing/typo

SuggestedRemedy
Change "offull" to read "awful" (whoops, no I mean "of full")

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

This is an editorial comment!

Cl **30**   *SC* **30.14.1.1.5**   *P* **22**   *L* **28**   *#* 379
Thompson, Geoff   GraCaSI S. A.

Comment Type **TR**   *Comment Status* **D**   *OK*
Typo/cut-paste error. Label for Type B PoDL PSE is incorrect

SuggestedRemedy
Change label from "Type AB" to "Type B"

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

See comment 262.

Cl **104**   *SC* **104.6.4.3**   *P* **59**   *L* **12**   *#* 381
Trowbridge, Steve   Alcatel-Lucent

Comment Type **E**   *Comment Status* **D**   *OK*
I am guessing "CCh" and "AAh" are intended to represent hexadecimal numbers. If so,
clause 1.2.5 indicates the format should be 0xCC and 0xAA.

SuggestedRemedy
Change to 0xCC and 0xAA in Figure 104-12 and headings of 104.6.4.3.1 and 104.6.4.4

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   *Comment ID* **381**   Page 38 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104**　　*SC* **104.6.4.4**　　　　　*P* **59**　　　　*L* **36**　　　# 382
Trowbridge, Steve　　　　　　　Alcatel-Lucent

Comment Type **E**　　*Comment Status* **D**　　　　　　　　*OK*
The "b" suffix on binary numbers doesn't appear elsewhere in the standard, or even lower in the same table where the 8-bit values are represented

SuggestedRemedy
Change 1110b to 1110 and 1101b to 1101 for Type A and Type B in the first row of Table 104-8

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

Cl **FM**　　*SC* **FM**　　　　　　*P* **9**　　　　*L* **4**　　　# 383
Zimmerman, George　　　　　　　CME Consulting/LTC

Comment Type **E**　　*Comment Status* **D**　　　　　　　　*OK*
"Amendment title (SHALL match PAR)" needs to be filled in with the amendment title in the PAR

SuggestedRemedy
See comment - replace text with amendment title from the PAR

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

Cl **FM**　　*SC* **FM**　　　　　　*P* **9**　　　　*L* **29**　　　# 384
Zimmerman, George　　　　　　　CME Consulting/LTC

Comment Type **E**　　*Comment Status* **D**　　　　　　　　*OK*
IEEE Std. 802.3xx-20xx should be the amendment 802.3bu

SuggestedRemedy
See comment, replace here and globally

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

Cl **FM**　　*SC* **FM**　　　　　　*P* **9**　　　　*L* **31**　　　# 385
Zimmerman, George　　　　　　　CME Consulting/LTC

Comment Type **E**　　*Comment Status* **D**　　　　　　　　*OK*
IEEE Std 802.3-201X should be IEEE Std. 802.3-2015

SuggestedRemedy
Replace 802.3-201X with 802.3-2015

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

Cl **FM**　　*SC* **FM**　　　　　　*P* **10**　　　*L* **13**　　　# 386
Zimmerman, George　　　　　　　CME Consulting/LTC

Comment Type **ER**　　*Comment Status* **D**　　　　　　　*OK*
This amendment includes [complete] needs to be completed with a description of the new clauses added

SuggestedRemedy
fill in as: This amendment includes new clause 104 and annex 104A definining single pair power over data lines power sources and powered devices, as well as amendments to Clauses 1, 30, and 45 to support the definition and management of these single pair power systems.

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

Cl **30**　　*SC* **30.14.1.1.3**　　　　*P* **21**　　　*L* **51**　　　# 387
Zimmerman, George　　　　　　　CME Consulting/LTC

Comment Type **T**　　*Comment Status* **D**　　　　　　　　*OK*
Clause 30 definition of "searching" status is inconsistent with Clause 45 definition. Clause 30 defines searching as everything other than the defined states - could include states OVERLOAD or OVERLOAD_DELAY (errors) Clause 45 defines searching as DETECTION, which isn't sufficient either.

SuggestedRemedy
Make clause 30 and 45 definitions consistent. Recommend adopting clause 45 definition (DETECTION) into clause 30, and absorbing the other states into "unknown" - change line 38 to be "unknown   initializing, error, or true state unknown", change line 51 to read "searching" indiicates the PoDL PSE State diagram is in either the DETECTION, CLASSIFICATION, CLASSIFICATION_EVAL, or POWER_UP states.

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

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general　　　　　*Comment ID* **387**　　　Page 39 of 42
COMMENT STATUS: D/dispatched A/accepted R/rejected　　RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn　　　　　1/15/2016 11:05:53 AM
SORT ORDER: Comment ID

Cl **104** *SC* **104.1** *P* **33** *L* **14** # 389
Zimmerman, George CME Consulting/LTC

Comment Type **TR** *Comment Status* **D** *OK*
Clause 104 does not define an MDI as is stated here. It only defines the return loss of the MDI.

SuggestedRemedy
Change (c) to read: "Certain electrical paramters of the medium dependent interface which may be different from that specified in the PHY clause when power is simultaneously transmitted with data."

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

Cl **104** *SC* **104.3** *P* **36** *L* **13** # 390
Zimmerman, George CME Consulting/LTC

Comment Type **E** *Comment Status* **D** *OK*
A PSE is specified by its behavior observed at the PI, not via the PI.

SuggestedRemedy
change "via" to "at"

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

Cl **45** *SC* **45.2.7a.2.9** *P* **31** *L* **22** # 391
Zimmerman, George CME Consulting/LTC

Comment Type **T** *Comment Status* **D** *OK*
searching is more than just the DETECTION state.

SuggestedRemedy
Change "in the state DETECTION" to "in any of the following states: DETECTION, CLASSIFICATION, CLASSIFICATION_EVAL, or POWER_UP"

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

Cl **104** *SC* **104.3.3.6** *P* **40** *L* **11** # 392
Zimmerman, George CME Consulting/LTC

Comment Type **E** *Comment Status* **D** *OK*
pi_powered, and many other bottom lines in Figure 104-4 are too close to the bottom of the state diagram boxes to easily discern the underscores.

SuggestedRemedy
Extend boxes of IDLE, DETECTION, CLASSIFICATION, RESTART, POWER_UP, POWER_ON, OVERLOAD, SETTLE_SLEEP and OVERLOAD_DELAY slightly further down so that underscores can be easily read

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

Cl **104** *SC* **104.3.4.1** *P* **41** *L* **33** # 395
Zimmerman, George CME Consulting/LTC

Comment Type **T** *Comment Status* **D** *OK*
"All detection currents at the PI shall be . with a valid PD detection signature" - appears that the requirement somehow puts a requirement on the signature as well - I believe what is meant is that the requirement is to apply WHEN a valid PD detection signature is connected. (leaving the question of whether there is a limit on currents when something other than a valid PD signature is connected? - or is it meant that the current is always in range of Ivalid?)

SuggestedRemedy
replace "with" with "when" (see comment, as intended meaning is unclear and perhaps problematic).

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

Yes - the detection current shall be in the range of Ivalid *when* a valid PD detection signature is connected.

Cl **104** *SC* **104.3.4.3** *P* **42** *L* **32** # 397
Zimmerman, George CME Consulting/LTC

Comment Type **E** *Comment Status* **D** *OK*
The wording reads like the criteria for whether the PSE should accept or reject is in Table 104-2, where I believe what is meant is that the voltages are specified in that table.

SuggestedRemedy
Change "Vbad_hi_PSE min as specified in Table 104-2." to read "Vbad_hi_PSE min. The values of these voltages are specified in Table 104-2."

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

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: Comment ID

Comment ID **397**

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Cl **104**   *SC* **104.3.5**   *P* **42**   *L* **41**   # 398
Zimmerman, George   CME Consulting/LTC

Comment Type **E**   *Comment Status* **D**   *OK*
missing space "offull"

SuggestedRemedy
replace "offull" with "of full"

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

See comment 13.

Cl **104**   *SC* **104.3.6.2.1**   *P* **45**   *L* **2**   # 400
Zimmerman, George   CME Consulting/LTC

Comment Type **T**   *Comment Status* **D**   *OK*
"power removal from the PI shall begin within TLIM." - within TLIM of what event? Initiation of the current limit? Detection of it?

SuggestedRemedy
insert, after TLIM, "of the initiation of current limiting."

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

Cl **104**   *SC* **104.3.6.3**   *P* **45**   *L* **18**   # 401
Zimmerman, George   CME Consulting/LTC

Comment Type **E**   *Comment Status* **D**   *OK*
"The limits specified" - which limits? It doesn't look like this applies to all of them (for example the short circuit limits). Is it just the Tripple and noise limits in (4)?

SuggestedRemedy
change "The limits specified in Table 104-3" to "The ripple and noise limits specifed in Table 104-3, item (4),"

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

Cl **104**   *SC* **104.4.6.5**   *P* **52**   *L* **41**   # 405
Zimmerman, George   CME Consulting/LTC

Comment Type **T**   *Comment Status* **D**   *OK*
"shall" should be "is" - this is a statement of fact, a definition of an equation, not a testable requirement on the device.

SuggestedRemedy
Change "shall" to "is"

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

Cl **104**   *SC* **104.4.6.5**   *P* **53**   *L* **1**   # 406
Zimmerman, George   CME Consulting/LTC

Comment Type **E**   *Comment Status* **D**   *OK*
Something funny is going on with the font size on line 1

SuggestedRemedy
Beat on frame and corrrect font sizes in the NOTE.

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

See comment 293.

Cl **01**   *SC* **1.5**   *P* **16**   *L* **28**   # 407
Zimmerman, George   CME Consulting/LTC

Comment Type **E**   *Comment Status* **D**   *OK*
Add MFVS Maintain Full Voltage Signature to the abbreviations

SuggestedRemedy
See comment

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

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: Comment ID

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Cl **104** *SC* **104.4.7** *P* **53** *L* **7** *#* 408

Zimmerman, George CME Consulting/LTC

Comment Type **E** *Comment Status* **D** *OK*

Maintain Full Voltage Signature (MFVS) is defined (thankfully consistently) several times in clause 104. this is just once. Recommend jst using MFVS without the full spell out.

SuggestedRemedy

delete "Maintain Full Voltage Signature" and the parentheses around MFVS. Editor to scrub clause 104 and only spell out MFVS at the first instance.

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

Cl **104** *SC* **104.5.3** *P* **53** *L* **42** *#* 409

Zimmerman, George CME Consulting/LTC

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

"and at all times when the PHY is transmitting data or control symbols" would exclude startup training. Also applies on P54 L3. Having the MDI return loss change during training could be disastrous. Since I'm not sure what the restriction is supposed to exclude (which would be the better fix), I suggest adding in the training times.

SuggestedRemedy

add, ", and during PHY training" after "symbols". (2 times).

Proposed Response *Response Status* **W**

PROPOSED ACCEPT. EZ.

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: Comment ID

Comment ID **409**

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