

anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pai

Cl 98 SC 98.6.8 P 90 L 23 # r01-13

Maguire, Valerie

The Siemon Company

Comment Type E Comment Status D Editorial

Editing Instruction does not instruct to make a change to SD3.

SuggestedRemedy

Replace, "Change rows for SD4, SD5" with "Change rows for SD3, SD4, SD5"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by #r01-43. The resolution to #r01-43 is:

Change:

"Change rows for SD4, SD5, SD6, SD7, SD8, SD9, SD10, SD11, SD12, SD13, SD14, and SD15 and ..." to:

"Change rows for SD3 through SD15 and"

Cl 45 SC 45.2.9.3.1a P 67 L 35 # r01-35

Anslow, Peter

Ciena

Comment Type E Comment Status D Editorial

It is usual to define the bits in question in the description of their effect.

SuggestedRemedy

Change "When read as 00 a Class 15 PD is indicated." to "When bits 13.2.4:3 are read as 00 a Class 15 PD is indicated."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "When read as 00 a Class 15 PD is indicated." to "When bits 13.2.4:3 are read as 00, a Class 15 PD is indicated."

Cl 45 SC 45.2.9.4.1 P 68 L 26 # r01-37

Anslow, Peter

Ciena

Comment Type E Comment Status D Editorial

The heading for 45.2.9.4.1 should be "PD Assigned Power (13.3.11:0)"

SuggestedRemedy

Change the heading for 45.2.9.4.1 from "PD Extended Class (13.3.11:0)" to "PD Assigned Power (13.3.11:0)"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This comment is accommodated by comment #r01-71.

The resolution to comment #r01-17 is:

P45, L35: remove the dot after the double dot.

P65, L8: Change "Table 45-331" to "Table 45-338".

P67, L32: add a space before "as follows".

P68, L26 Change "PD Extended Class (13.3.11:0)" to "PD Assigned Power (13.3.11:0)"

P98, L31: Remove the second dot.

P101, L10: Change "... as specified by Clause , and ..." to "... as specified by Clause 146 and ..." (add Clause 146 number).

P112, L37: Change "DC Loop resistance6(ohm symbol)" to "DC Loop resistance"

P120, L52: Change reference to 146.3.3.

P122, L4: Change "loc_rcvr_status" to "rem_rcvr_status"

P134, L1: Change headline of 146.3.3.4 from "Generation of scrambled bits Sdn[3:0]" to "Data and idle stream scrambling".

P135, L10: Change $2^{(33-1)}$ to 2^{33-1} (where -1 is not in superscript)

P136, L39: Add a space between "2" and "or".

P183, L43: Add 146.7.2.1 in subclause column.

P184, L6: Change "Meets electrical requirements ..." to "Electrical requirements ..."

P255, L24: Change "10BASE-T1L full duplex ability" to "10BASE-T1L capability".

P255, L27: Change "10BASE-T1S half duplex ability" to "10BASE-T1S capability".

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 r01-37

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CI 45 SC 45.5.3.7 P 73 L 3 # r01-40

Anslow, Peter

Ciena

Comment Type E Comment Status D Editorial

In the editing instruction, "through RM188" should be "through RM190"

SuggestedRemedy

In the editing instruction, change "through RM188" to "through RM190"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

This comment is accomodated by comment #r01-156.

The resolution to comment #r01-156 is:

Add:

"and the PCS operates in half duplex mode with bits 3.2291.8 and 0.8 set to one" to MM197 feature description

Add new PICS items RM191 and RM192 after RM190:

RM191 | Remote jabber count does not wrap | 45.2.3.68e.1 | PCS:M | Yes[] N/A[]
RM192 | Writes to PCS diagnostic 2 register have no effect | 45.2.3.68f | PCS:M | Yes[] N/A[]

and change Editor's Instruction on page 73, line 4 from "through RM188" to "through RM192"

Insert new PICS item (new AM99) after PICS item AM98 and renumber subsequent PICS:
AM99 | When bit 7.526.12 is set to one, a request to operate the 10BASE-T1L PHY in increased transmit level mode is not advertised. | 45.2.7.25.4 | AN:M | Yes[] N/A[]

and change Editor's Instruction on page 73, line 4 from "through AM104" to "through AM105"

CI 98 SC 98.6.8 P 90 L 23 # r01-43

Anslow, Peter

Ciena

Comment Type E Comment Status D Editorial

SD3 is missing from the editing instruction

SuggestedRemedy

Change:

"Change rows for SD4, SD5, SD6, SD7, SD8, SD9, SD10, SD11, SD12, SD13, SD14, and SD15 and ..." to:
"Change rows for SD3 through SD15 and"

Proposed Response Response Status W

PROPOSED ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn

SORT ORDER: Comment ID

CI 01 SC 1.3 P 29 L 31 # r01-54

Anslow, Peter

Ciena

Comment Type T Comment Status D Editorial

The new editor's notes related to IEC 63171-1 and IEC 63171-6 say ;
"If IEC 63171-x is not referenceable by final circulation, then the entry for IEC 63171-x, this Editor's Note, and references to IEC 63171-x in this draft will be removed."
In 146.8.1 and 147.9.1, however, there are text figures and tables that depend on these references that would not make sense if just the references were removed.

SuggestedRemedy

In the two editor's notes, change:

"... this Editor's Note, and references to IEC 63171-x in this draft will be removed." to:
"... this Editor's Note, references to IEC 63171-x and any text, figures and tables dependent on these references in this draft will be removed."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

IEC 63171-1 and IEC 63171-6 are informative references and there are no text, figures, and tables dependent on them. This comment is accomodated by comment #r01-158.

The resolution to comment #r01-158 is:

Add Bibliography to the amendment. Move references to IEC 63171-1 and IEC 63171-6 to the bibliography, along with the associated editor's notes.

CI 148 SC 148.4.6.1 P 245 L 1 # r01-56

Beruto, Piergiorgio

Canova Tech S.r.l.

Comment Type E Comment Status D Editorial

Some of the approved changes from comment i-425 on D3.0 did not meet the D3.1 draft.

SuggestedRemedy

At page 245, line 1 change "The variable delay line is a small buffer that aligns a transmission with the transmit opportunity. The variable delay line length is no greater than to_timer x plca_node_count + beacon_timer."
to
"The variable delay line is a small buffer that aligns a transmission with the transmit opportunity."

Proposed Response Response Status W

PROPOSED ACCEPT.

Comment ID r01-56

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anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pai

Cl 146 SC 146.2.5 P 120 L 52 # r01-58

Graber, Steffen

Pepperl+Fuchs GmbH

Comment Type E Comment Status D Editorial

The referenced state diagrams and chapters in the primitives section of Clause 146 changed over time, adding figures and renumbering the document. Need to correct the references.

SuggestedRemedy

P121, L45: Change "The effect of receipt of this primitive is specified in 146.3.3.4.3, 146.3.4, 146.4.4, Figure 146-9, Figure 146-15, and Figure 146-16." to "The effect of receipt of this primitive is specified in 146.3.3.4.3 and 146.3.4."
P122, L17: Change "The effect of receipt of this primitive is specified in Figure 146-15 and Figure 146-16." to "The effect of receipt of this primitive is specified in 146.4.4."
P122, L41: Change "The effect of receipt of this primitive is specified in Figure 146-9, Figure 146-15, and Figure 146-16." to "The effect of receipt of this primitive is specified in Figure 146-15."
P123, L11: Change "The effect of receipt of this primitive is specified in Figure 146-15 and Figure 146-16." to "The effect of receipt of this primitive is specified in Figure 146-15."
P124, L10: Change "The effect of receipt of this primitive is specified in Figure 146-15 and Figure 146-16." to "The effect of receipt of this primitive is specified in Figure 146-15 and Figure 146-17."
P124, L33: Change "The PMA generates PMA_TX_LPI_STATUS.indication messages to indicate a change in the loc_lpi variable as described in Figure 146-15 and Figure 146-16." to "The PMA generates PMA_TX_LPI_STATUS.indication messages to indicate a change in the loc_lpi variable."

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 146 SC 146.3.4.1.1 P 138 L 24 # r01-60

Graber, Steffen

Pepperl+Fuchs GmbH

Comment Type T Comment Status D Editorial

rx_code_group is defined, but never used in the state diagrams. What is used is Rxn, which is rx_code_group at time n.

SuggestedRemedy

Remove definition for rx_code_group at P138, L31. On P138, L51 change "a rx_code_group is received" to "a code-group is received". On P139, L21, L27, L32 and L38, change "the rx_code_group" to "the received code-group". On P139, L47 change "rx_code_group" to "the received code-group". On P143, L32 change "rx_code_group" to "received code-groups".

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 00 SC 0 P 1 L 1 # r01-71

Graber, Steffen

Pepperl+Fuchs GmbH

Comment Type E Comment Status D Editorial

There are some typos/small editorial things, which need to be corrected in D3.1.

SuggestedRemedy

P45, L35: remove the dot after the double dot.
P65, L8: Change "Table 45-331" to "Table 45-338".
P67, L32: add a space before "as follows".
P68, L26 Change "PD Extended Class (13.3.11:0)" to "Assigned Power (13.3.11:0)"
P98, L31: Remove the second dot.
P101, L10: Change "... as specified by Clause , and ..." to "... as specified by Clause 146 and ..." (add Clause 146 number).
P112, L37: Change "DC Loop resistance6(ohm symbol)" to "DC Loop resistance"
P120, L52: Change reference to 146.3.3.
P122, L4: Change "loc_rcvr_status" to "rem_rcvr_status"
P134, L1: Change headline of 146.3.3.4 from "Generation of scrambled bits Sdn[3:0]" to "Data and idle stream scrambling".
P135, L10: Change $2^{(33-1)}$ to 2^{33-1} (where -1 is not in superscript)
P136, L39: Add a space between "2" and "or".
P183, L43: Add 146.7.2.1 in subclause column.
P184, L6: Change "Meets electrical requirements ..." to "Electrical requirements ..."
P255, L24: Change "10BASE-T1L full duplex ability" to "10BASE-T1L capability".
P255, L27: Change "10BASE-T1S half duplex ability" to "10BASE-T1S capability".

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Editor's note (to be deleted after comment resolution): Response is the same as the Suggested Remedy except for the change proposed for P68, L26.

P45, L35: remove the dot after the double dot.
P65, L8: Change "Table 45-331" to "Table 45-338".
P67, L32: add a space before "as follows".
P68, L26 Change "PD Extended Class (13.3.11:0)" to "PD Assigned Power (13.3.11:0)"
P98, L31: Remove the second dot.
P101, L10: Change "... as specified by Clause , and ..." to "... as specified by Clause 146 and ..." (add Clause 146 number).
P112, L37: Change "DC Loop resistance6(ohm symbol)" to "DC Loop resistance"
P120, L52: Change reference to 146.3.3.
P122, L4: Change "loc_rcvr_status" to "rem_rcvr_status"
P134, L1: Change headline of 146.3.3.4 from "Generation of scrambled bits Sdn[3:0]" to "Data and idle stream scrambling".
P135, L10: Change $2^{(33-1)}$ to 2^{33-1} (where -1 is not in superscript)
P136, L39: Add a space between "2" and "or".
P183, L43: Add 146.7.2.1 in subclause column.
P184, L6: Change "Meets electrical requirements ..." to "Electrical requirements ..."
P255, L24: Change "10BASE-T1L full duplex ability" to "10BASE-T1L capability".

P255, L27: Change "10BASE-T1S half duplex ability" to 10BASE-T1S capability".				
CI 01	SC 1.1.3	P 28	L 31	# r01-96
Kabra, Lokesh		Synopsys, Inc.		
Comment Type	E	Comment Status	D	Editorial
Redundant "and" in the Note given above Figure 1-1				
Suggested Remedy				
Replace "10BASE-T1S and 100 Mb/s and above" with "10BASE-T1S, 100 Mb/s and above"				
Proposed Response	Response Status W			
PROPOSED REJECT.				
Suggested remedy changes the context of the sentence. Further, the comment is on text out of scope of the recirculation, unchanged from draft 3.0, and not subject to a must-be-satisfied comment associated with a disapprove vote.				

CI 01	SC 1.4.198	P 30	L 26	# r01-98
Kabra, Lokesh		Synopsys, Inc.		
Comment Type	E	Comment Status	D	Editorial
The term "nibble" is already used for "four bits" in the second & third sentences. Maintain consistency				
Suggested Remedy				
Replace "four bits" with "a nibble"				
Proposed Response	Response Status W			
PROPOSED ACCEPT.				

CI 30	SC 30.16	P 42	L 4	# r01-104
Kabara, Lokesh		Synopsis, Inc.		
Comment Type	E	Comment Status	D	Editorial
Maintain consistency in title and sub-section organization. Object Class are numbered 1 level below the main sub-section in previous sections (30.4 to 30.15)				
Suggested Remedy				
Add new title "30.16 Management for PLCA Reconciliation Sublayer"				
Change subsection numbering 30.16 in D3.1 to 30.16.1,				
30.16.1 to 30.16.1.1, 30.16.2 to 30.16.1.2,				
30.16.1.1 to 30.16.1.1.1 and so on.				
Proposed Response		Response Status W		
PROPOSED ACCEPT.				

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anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pai

CI 45 SC 45.2.7.25.1 P 62 L 36 # r01-118

Kabra, Lokesh

Synopsys, Inc.

Comment Type E Comment Status D Editorial

the terms "capability" and "ability" are interchangeably used.
I am not sure about the difference but the register bit name and the description should be consistent

SuggestedRemedy

Replace "the ability to operate" with "the capability to operate"

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.2.7.25.5 P 63 L 14 # r01-119

Kabra, Lokesh

Synopsys, Inc.

Comment Type E Comment Status D Editorial

the terms "capability" and "ability" are interchangeably used.
I am not sure about the difference but the register bit name and the description should be consistent

SuggestedRemedy

Replace "duplex capability" with "duplex ability"

Proposed Response Response Status W

PROPOSED REJECT.

The changes made to advertise "capability" (as opposed to "ability") affect bits 7.526.15 and 7.526.6. Suggested remedy changes the context of the sentence. Further, the comment is on text out of scope of the recirculation, unchanged from draft 3.0, and not subject to a must-be-satisfied comment associated with a disapprove vote.

CI 45 SC 45.5.3.9 P 75 L 25 # r01-120

Kabra, Lokesh

Synopsys, Inc.

Comment Type E Comment Status D Editorial

the terms "capability" and "ability" are interchangeably used.
I am not sure about the difference but PICS description and the register bit description should be consistent

SuggestedRemedy

Replace "duplex capability" with "duplex ability"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accomdated by comment r01-121.

Response to comment r01-121 is:

ACCEPT IN PRINCIPLE.

Replace, "capability" with "ability" in the Feature entries for PICS AM99 and AM100.

CI 45 SC 45.5.3.9 P 75 L 28 # r01-121

Kabra, Lokesh

Synopsys, Inc.

Comment Type E Comment Status D Editorial

the terms "capability" and "ability" are interchangeably used.
I am not sure about the difference but PICS description and the register bit description should be consistent

SuggestedRemedy

Replace "duplex capability" with "duplex ability"

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Replace, "capability" with "ability" in the Feature entries for PICS AM99 and AM100.

CI 148 SC 148.4.5.2 P 242 L 5 # r01-123

Kabra, Lokesh

Synopsys, Inc.

Comment Type E Comment Status D Editorial

aPLCAReset is not "enabled" nor aPLCAAdminState can be in "normal"

SuggestedRemedy

Change the second sentence of paragraph to
"This signal maps to TRUE when aPLCAReset is in reset and to FALSE when aPLCAReset is normal, but is further qualified."

Proposed Response Response Status W

PROPOSED ACCEPT.

anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pai

Cl 98 SC 98B.3 P 255 L 24 # r01-124

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

10BASE-T1L is always "full-duplex". Hence no need to specify this for bit A9

SuggestedRemedy

Replace "10BASE-T1L full-duplex ability" with
"10BASE-T1L capability"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 98 SC 98B.3 P 255 L 28 # r01-125

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

the terms "capability" and "ability" are interchangeably used.
I am not sure about the difference but A22 description and the register 7.526 bit description
should be consistent

SuggestedRemedy

Replace "half duplex ability" with "half duplex capability"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 148 SC 148.2 P 234 L 6 # r01-126

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status X Editorial

Improper sentence

SuggestedRemedy

Replace "transmit opportunity is met" with "transmit opportunity is available". This construct
is used in multiple places in this clause and to be corrected.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Change "transmit opportunity is met" to "transmit opportunity is available" on P234 L7
(148.2) , P236 L16 (148.4.3.1.3), and P244 L20 (148.4.6.1).

Cl 148 SC 148.4.1 P 234 L 50 # r01-127

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

The term "MII RS" is not proper. MII is the interface between RS and PHY.

SuggestedRemedy

Replace "MII RS" with "RS"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 148 SC 148.4.2 P 235 L 7 # r01-128

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

The term "MII RS" is not proper. MII is the interface between RS and PHY.

SuggestedRemedy

Replace "MII RS" with "RS"

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 148 SC 148.4.3.1.1 P 235 L 53 # r01-129

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

TX_CLK is not generated by RS and is an input from PHY in Clause 22

SuggestedRemedy

Replace "TXD<3:0>, TX_EN and TX_CLK" with "TXD<3:0> and TX_EN"

Proposed Response Response Status W

PROPOSED ACCEPT.

anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pai

Cl 148 SC 148.4.2 P 235 L 16 # r01-130

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

Direction of arrow for PLS_DATA.request in Figure 148-2 is opposite as compared to arrow in Figure 22-3 in 802.3-2018. I think Figure 22-3 has to be corrected?

SuggestedRemedy

Proposed Response Response Status W

PROPOSED REJECT.
The comment is out of scope of the recirculation.

However, the CRG agrees with the commenter, the direction of the arrow is indeed from the MAC to the RS in several other clauses (e.g. Figure 78-1). That would also be consistent with the definition in 6.3.1.1.3 "

This primitive is generated by the MAC sublayer to request the transmission of a single data bit on the physical medium or to stop transmission".

That could be addressed by a maintenance request to IEEE Std 802.3-2018.

Cl 148 SC 148.4.4.2.1 P 238 L 7 # r01-132

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status X Editorial

Missing reference

SuggestedRemedy

Replace "MII signals" with "MII signals as specified in 22.2.2.8."

Proposed Response Response Status W

PROPOSED REJECT.
The CRG disagrees with the commenter. The comment is out of scope of the recirculation, bringing new text, unrelated to changed text into the draft on the recirculation.

Cl 148 SC 148.4.4.2.2 P 238 L 15 # r01-133

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status X Editorial

Missing reference

SuggestedRemedy

Replace "MII signals" with "MII signals as specified in 22.2.2.8."

Proposed Response Response Status W

PROPOSED REJECT.
The CRG disagrees with the commenter. The comment is out of scope of the recirculation, bringing new text, unrelated to changed text into the draft on the recirculation.

Cl 148 SC 148.4.4.1.1 P 237 L 7 # r01-134

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

Missing reference

SuggestedRemedy

Replace "MII interface." with "MII interface as specified in 22.2.2.4."

Proposed Response Response Status W

PROPOSED REJECT.
The CRG disagrees with the commenter. The comment is out of scope of the recirculation, bringing new text, unrelated to changed text into the draft on the recirculation.

Cl 148 SC 148.4.4.2.1 P 238 L 5 # r01-135

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status D Editorial

This sub-section should come under 148.4.4.1 as it is a PLCA notification

SuggestedRemedy

Change 148.4.4.2.1 to 148.4.4.1.3 and move content accordingly

Proposed Response Response Status W

PROPOSED REJECT.
The CRG disagrees with the commenter. The comment is out of scope of the recirculation. Moreover the the BEACON indication from the PHY is the PLCA RS response to the MII signal in table 22-1, not a PLCA notification. 148.4.4.1 describes the PLCA conveying a BECON to the PHY. 148.4.4.2.1 describes the PHY indicating via MII to the PLCA RS that a BEACON was received form the line.

Cl 148 SC 148.4.4.2.2 P 238 L 13 # r01-136

Kabra, Lokesh Synopsys, Inc.

Comment Type E Comment Status X Editorial

This sub-section should come under 148.4.4.1 as it is a PLCA notification

SuggestedRemedy

Change 148.4.4.2.2 to 148.4.4.1.4 and move content accordingly

Proposed Response Response Status W

PROPOSED REJECT.
The CRG disagrees with the commenter. The comment is out of scope of the recirculation. Moreover the the COMMIT indication from the PHY is the PLCA RS response to the MII signal in table 22-1, not a PLCA notification. 148.4.4.1 describes the PLCA conveying a COMMIT to the PHY. 148.4.4.2.2 describes the PHY indicating via MII to the PLCA RS that a COMMIT was received form the line.

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 r01-136

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CI 148 SC 148.4.5 P 238 L 22 # r01-137

Kabra, Lokesh

Synopsys, Inc.

Comment Type E Comment Status D Editorial

This section should have the title "Detailed PLCA Functions and state diagrams" and then the various PLCA Control, Data and Status functions as sub-section. Such organization is more logical and adhere to the conventions followed in other 802.3 clauses

SuggestedRemedy

Change title of sub-section to "148.4.5 Detailed PLCA Functions and State Diagrams"
Renumbr existing 148.4.5 to 148.4.5.1, 148.4.6 to 148.4.5.2 and 148.4.7 to 148.4.5.3.

Proposed Response Response Status W

PROPOSED REJECT.

The CRG disagrees with the commenter. The comment is out of scope of the recirculation, bringing new text, unrelated to changed text into the draft on the recirculation. The division of state diagrams into subclauses varies across IEEE Std 802.3, and handling control and data state diagrams separately in this state diagram is clear.

CI 148 SC 148.4.5.1 P 238 L 24 # r01-138

Kabra, Lokesh

Synopsys, Inc.

Comment Type G Comment Status X Editorial

State Diagrams to be described & figures given after all the relevant State variables, functions, timers, etc are described. This is a more logical sequence.

SuggestedRemedy

Move State diagrams sub-section to last after "Timers" sub-section.

Similar changes applicable for other sub-sections of PLCA Data and PLCA Status functions

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Move state diagram sections for PLCA Control, PLCA Data, and PLCA Status sections with figure (not descriptive text) after their respective description of all variables, timers, function, abbreviations and messages. Editorial license to make minor adjustments to appropriately position state diagrams properly within page breaks in text.

CI 147 SC 147.3.2.2 P 192 L 32 # r01-139

Xu, Dayin

Rockwell Automation

Comment Type E Comment Status D Editorial

Reword the text

SuggestedRemedy

Change "When set to FALSE transmission is disabled. When set to TRUE transmission is enabled" to "When set to FALSE it indicates the transmission is disabled. When set to TRUE it indicates the tranmission is enabled."

Proposed Response Response Status W

PROPOSED REJECT.

Comment is on text out of scope of the recirculation, unchanged from draft 3.0, and not subject to a must-be-satisfied comment associated with a disapprove vote.

CI 147 SC 147.3.2.2 P 192 L 37 # r01-140

Xu, Dayin

Rockwell Automation

Comment Type E Comment Status D Editorial

Reword the text

SuggestedRemedy

Change "When set to FALSE it indicates a non-errored transmission. When set to TRUE it indicates an errored transmission." to "When set to FALSE it indicates no transmission error. When set to TRUE it indicates a transmission error."

Proposed Response Response Status W

PROPOSED REJECT.

Comment is on text out of scope of the recirculation, unchanged from draft 3.0, and not subject to a must-be-satisfied comment associated with a disapprove vote.

CI 148 SC 148.4.5.2 P 242 L 1 # r01-144

Xu, Dayin

Rockwell Automation

Comment Type E Comment Status X Editorial

Should the variables be organized in the order of the first letter of variable name. This comment is applicable to 148.4.5.4, 148.4.6.2.

SuggestedRemedy

Organize all variables in the increased order of the first letter of variable names.

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Move definition for recv_beacon_timer (P244 L18-23) before recv_timer (P243 L44).
Insert Editor's note at P248 L2 (top of 148.4.6.2): "Editor's Note (to be removed prior to publication): Publication editor to alphabetize the variables in this subclause."

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 r01-144

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anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair

CI 147 SC 147.3.3.2 P 199 L 19 # r01-146

Xu, Dayin Rockwell Automation

Comment Type T Comment Status D Editorial

"behind" seems to mean later than here, but it should be early than.

SuggestedRemedy

Change "... 'x' cycles behind ..." to "... 'x' cycles early than ...".

Proposed Response Response Status W

PROPOSED REJECT.

CRG disagrees with the commenter.

Existing text is clear and consistent with style.

Beind refers here to the delay line's past (stored) states.

CI 148 SC 148.4.6.1 P 245 L 1 # r01-152

Baggett, Tim Microchip Technology, Inc.

Comment Type E Comment Status D Editorial

Draft 3.0 comment i-425 resolution was to delete the sentence "The variable delay line length is no greater than to_timer x plca_node_count + beacon timer."

Was not deleted in Draft 3.1.

SuggestedRemedy

delete the sentence "The variable delay line length is no greater than to_timer x plca_node_count + beacon timer."

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Accommodated by comment r01-56.

Proposed resolution of comment r01-56 is:

"

At page 245, line 1 change "The variable delay line is a small buffer that aligns a transmission with the transmit opportunity. The variable delay line length is no greater than to_timer x plca_node_count + beacon_timer."

to

"The variable delay line is a small buffer that aligns a transmission with the transmit opportunity."

"

CI 01 SC 1.3 P 29 L 24 # r01-158

Zimmerman, George ADI, APL Group, Aquantia, BMW, Cisco, Commscop

Comment Type E Comment Status D Editorial

The references to IEC 63171-1 and IEC 63717-6 do not meet the requirements of the IEEE-SA style guide to be normative references ("Normative references are those documents that contain material that must be understood and used to implement the standard.") Since these are not connected to requirements, they are informative, and should be moved to bibliographic references. (note this also potentially eases the situation with regards to when these standards finish relative to 802.3cg)

SuggestedRemedy

Add Bibliography to the amendment. Move references to IEC 63171-1 and IEC 63717-6 to the bibliography, along with the associated editor's notes.

Proposed Response Response Status W

PROPOSED ACCEPT.

CI 45 SC 45.5.3.3 P 70 L 41 # r01-160

Zimmerman, George ADI, APL Group, Aquantia, BMW, Cisco, Commscop

Comment Type E Comment Status D Editorial

PICS item MM177 doesn't have an associated requirement (it was deleted from clause 45)

SuggestedRemedy

Delete PICS item MM177

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Delete PICS item MM177, renumber PICS entries, and do not change Editing Instruction on page 69, line 8.

CI 148 SC 148.4.7.2 P 250 L 22 # r01-194

Law, David Hewlett Packard Enterprise

Comment Type T Comment Status D Editorial

The variable plca_reset is used in Figure 148-5 'PLCA Status state diagram' but is not defined in subclause 148.4.7.2 'PLCA Status variables'.

SuggestedRemedy

Suggest that the following is added to subclause 148.4.7.2 'PLCA Status variables'.

plca_reset

See 148.4.5.2.

Proposed Response Response Status W

PROPOSED ACCEPT.

anagement Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair

Cl 148 SC 148.4.7.2 P 250 L 22 # r01-195

Law, David Hewlett Packard Enterprise

Comment Type T Comment Status D Editorial

The variable plca_en is used in Figure 148-5 'PLCA Status state diagram' but is not defined in subclause 148.4.7.2 'PLCA Status variables'.

SuggestedRemedy

Suggest that the following is added to subclause 148.4.7.2 'PLCA Status variables'.

plca_en
See 148.4.5.2.

Proposed Response Response Status W

PROPOSED ACCEPT.

Cl 00 SC 0 P L # r01-197

Thompson, Geoffrey Independent Consultant

Comment Type E Comment Status D Editorial

I agree that the referenced material is not within the scope of comments that may be labeled as required. The substance of the comment is still true. Thus, the comment stands but is no longer "Required".

SuggestedRemedy

Implement originally proposed solution.

Proposed Response Response Status W

PROPOSED REJECT.

The CRG disagrees with commenter. Changing the historical front-matter would put this draft out-of-sync with the base-standard it is amending, with a differing description of history - something out of scope of the amendment. The proper place for this to be considered in the next revision of IEEE Std 802.3, where the ballot pool will be appropriately broad.

Editor to mark comment #-i-207 closed, and remove from unsatisfied comment database.

Cl 147 SC 147.5.6 P L # r01-210

Thompson, Geoffrey Independent Consultant

Comment Type T Comment Status D Editorial

My TR on this comment is not satisfied. The REJECT text was non-responsive to the substance of the comment.

SuggestedRemedy

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

Editor to mark comment #-i-256 unsatisfied in the comment database.