Proposed Response

C/ 00 SC 0 P # 115 C/ 01 SC 1.5 P18 L 27 # 75 Lo. William Marvell Semiconducto Mitsuru. Iwaoka Yokogawa Electric Cor Comment Type TR Comment Status X Comment Type E Comment Status X Synchronization state machine not in draft "FEXT" and "NEXT" are already defined in P802.3bx D2.0. SuggestedRemedy SuggestedRemedy See Lo\_3bp\_03\_0115.pdf Remove definitions of "FEXT" and "NEXT". Amended state machine in slide 3. Proposed Response Response Status O Proposed variable text in slide 6. Editor has license to change wording of references in slide 6. Proposed Response Response Status 0 C/ 01 SC 1.5 P 18 L 33 Mitsuru, Iwaoka Yokogawa Electric Cor C/ 00 SC 0 P # 114 Comment Type E Comment Status X Lo. William Marvell Semiconducto "PSAACRF", "PSANEXT", "TCL", and "TCTL" are also used in P802.3bw 100BASE-T. As P802.3bw will be publiched earlier than P802.3bp, it is better to define these terms in Comment Status X Comment Type TR P802.3bw. OAM mechanics is not defined SuggestedRemedy SuggestedRemedy Move the definitions of these terms to P802.3bw. See Lo 3bp 02 0115.pdf for description and proposed text in Proposed Response Response Status 0 8023bp proposed OAM text.pdf Proposed Response Response Status O Cl 34 SC 34.1 P 21 L 50 # 82 Ixia Regev, Alon C/ 00 SC 0 Р L # 79 Comment Type E Comment Status X Regev, Alon Ixia "and" is used multiple times in the list of PHY sublayers. The "and" should apear only Comment Status X Comment Type Ε once in the list (just prior to the last entry). reference links seem to not work in the pdf document SuggestedRemedy it looks like the links point to a relateive path "frame/frame/P8023bp D1.10.pdf" instead of Change "1000BASE-LX, 1000BASE-SX, and 1000BASE-CX, and 1000BASE-T, and just pointing to "P8023bp D1.10.pdf". 1000BASE-T1" to "1000BASE-LX. 1000BASE-SX. 1000BASE-CX. 1000BASE-T. and 1000BASE-T1" SuggestedRemedy Proposed Response Response Status O correct the relative path used in the links

Response Status O

SuggestedRemedy

Proposed Response

Cl 34 SC 34.1.5 P 23 L 1 # 104 Lo. William Marvell Semiconducto Comment Type TR Comment Status X There should be a new subheading called: Auto-Negotiation, type 1000BASE-T1 1000BASE-T1 uses Clause 98 Autoneg and not clause 28 Autoneg SuggestedRemedy Delete page 23 line 1 and insert new sub section 34.1.7 instead 34.1.7 Auto-Negotiation, type 1000BASE-T1 Auto-Negotiation (Clause 98) may be used by 1000BASE-T1 devices to detect the abilities (modes of operation) supported by the device at the other end of a link segment, determine common abilities, and configure for joint operation. Auto-Negotiation is performed upon link startup through the use of half-duplex differential Manchester encoding. The use of Clause 98 Auto-Negotiation is optional for 1000BASE-T1 PHY. Proposed Response Response Status 0 Cl 34 SC 34.1.5 P 23 L 1 # 71 McClellan, Brett Marvell Comment Type E Comment Status X add text to reference the optional Auto-Negotiation in Clause 98. SuggestedRemedy Add text: "Single twisted pair Auto-Negotiation (Clause 98) is used by 1000BASE-T1 devices to detect the abilities supported by the device at the other end of a link segment, determine common abilities, and configure for joint operation. ' Proposed Response Response Status O CI 35 SC 35.1.1 P 25 L 25 # 83 Regev, Alon Ixia Comment Type E Comment Status X There should not be a comma before the "and" in "Clause 36, and Clause 97"

Change "Clause 36, and Clause 97" to "Clause 36 and Clause 97"

Response Status 0

CI 97 SC 3.2.2.7 P 36 L 49 # 118 Chen. Steven Broadcom Comment Type Comment Status X There is no more self-synchronizing scrambler in data mode. SuggestedRemedy Change to: c) The RS frame containing this 80B/81B block is uncorrectable. Proposed Response Response Status O SC 3.5.2.1 P 43 CI 97 L 38 # 116 Broadcom Chen. Steven Comment Type TR Comment Status X Wrong definition for IBLOCK\_R<99:0> SuggestedRemedy Change to: IBLOCK R<99:0> TYPE: bit vector 100-bit vector to be sent to the GMII containing idles in all 10 character locations. Proposed Response Response Status O Cl 97 SC 3.5.4 P 47 L 17 # 117 Chen, Steven Broadcom Comment Type TR Comment Status X "IBLOCK T" not defined in the "SEND IDLES" state SuggestedRemedy Add definition in Subclause 97.3.5.2.1 for "IBLOCK T" IBLOCK T<99:0> TYPF: bit vector 100-bit vector to be sent to the encoder containing idles in all 10 character locations. Proposed Response Response Status O

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 Z/withdrawn SORT ORDER: Clause, Subclause, page, line

Cl 97 SC 3.5.4 Page 2 of 12 1/8/2015 4:16:03 PM Cl 97 SC 97.1 P 29 L 17 # 77 Mitsuru. Iwaoka Yokogawa Electric Cor Comment Type Ε Comment Status X 97.1 states a mechanical specification is provided in this clause, but no mechanical specification is provided in this draft. Is there any plan to specify the mechanical specification of connectors or cables? SuggestedRemedy Delete "mechanical". Proposed Response Response Status O SC 97.3.2.1 Cl 97 P 31 / 32 # 78 Mitsuru, Iwaoka Yokogawa Electric Cor Comment Type T Comment Status X A condition of "Power on" is not defined in 97.3.5.2.2. SuggestedRemedy Move "(see 97.3.5.2.2)" after the first sentense of the 2nd paragraph (P31, L35). Proposed Response Response Status 0 Cl 97 SC 97.3.2.2 L 52 P 31 # 105 Lo, William Marvell Semiconducto Comment Status X Comment Type T The OAM symbol is also packed SuggestedRemedy Change sentence:

The subsequent functions of the PCS Transmit process then pack the resulting blocks which are processed by a Reed-Solomon (RS) encoder and then 3B2T mapped into a

The subsequent functions of the PCS Transmit process then pack the resulting blocks plus

one OAM9 symbol which are processed by a Reed-Solomon (RS) encoder and then 3B2T

CI 97 SC 97.3.2.2 P 32 L 3 # 55 McClellan, Brett Marvell Comment Type T Comment Status X Current text contains TBD and the statement about transmit power is not correct. SuggestedRemedy Change text from: "These codes are used for training mode and only transmit the values {-TBD, TBD} to keep the transmit power in the training mode the same as the transmit power in normal mode." "These codes are used for training mode and only transmit the values {-1, +1}." Proposed Response Response Status O CI 97 P 32 SC 97.3.2.2 L7 # 119 Brett McClellan Marvell Comment Type T Comment Status X Post-Deadline Leftover text from Clause 55 THP. SugaestedRemedy delete " and makes requests for remote transmitter settings" Proposed Response Response Status O Cl 97 SC 97.3.2.2.1 P 32 L 11 # 84 Regev, Alon Ixia Comment Type Ε Comment Status X "a 81B-RS" should be "an 81B-RS". Note that this occurs multiple times in this document (not just on page 32, line 11). This comment is intended to cover all occurances.

SuggestedRemedy

change "a 81B-RS" to "an 81B-RS"

Proposed Response Response Status O

mapped into a transmit RS frame of PAM3 symbols

transmit RS frame of PAM3 symbols.

To:

Cl 97 SC 97.3.2.2.11 P 38 L 50 # 57

McClellan, Brett Maryell

Comment Type T Comment Status X

"followed by the corresponding 9 reserved bits (Tentatively 111 101 010 listed MSB to LSB)"

The task force approved the use of the 9 reserve bits for OAM.

We will present a proposal for an OAM specification using the 9 reserve bits.

SuggestedRemedy

Refer to presentation

Proposed Response Response Status O

C/ 97 SC 97.3.2.2.11 P38 L 50 # [101

Lo, William Marvell Semiconducto

Comment Type TR Comment Status X
Replace fixed reserve bits with OAM9 symbol.

SuggestedRemedy

Change following text:

corresponding 9 reserved bits (Tentatively 111 101 010listed MSB to LSB)

to:

OAM9 symbol

Proposed Response Status O

C/ 97 SC 97.3.2.2.13

McClellan, Brett Marvell

Comment Type E Comment Status X

Redundant text.

SuggestedRemedy

change: "Every 9-bit symbol is divided into three 3-bit groups with the LSB bits as the first group. Each 3-bit group then mapped by the 3B2T into 2 PAM3 symbols. The mapping of 3B2T to PAM3 is illustrated in Table 97–2. B[0] is the LSB and T[0] is the first PAM3 symbol transmitted.

P 39

L 42

The 3B2T mapper generates 2700 PAM3 symbols per RS frame that are sent to the PMA via PMA\_UNITDATA.request. The mapping of 3B2T to PAM3 is illustrated in Table 97–2." to: "The 3B2T mapper generates 2700 PAM3 symbols per RS frame that are sent to the PMA via PMA\_UNITDATA.request. Every 9-bit symbol is divided into three 3-bit groups with the LSB bits as the first group. Each 3-bit group

then mapped by the 3B2T into 2 PAM3 symbols. The mapping of 3B2T to PAM3 is illustrated in Table 97–2. B[0] is the LSB and T[0] is the first PAM3 symbol transmitted."

Proposed Response Status O

Cl 97 SC 97.3.2.2.4 P32 L48 # 102

Lo, William Marvell Semiconducto

Comment Type T Comment Status X

Need to describe OAM9 symbol transmission order

SuggestedRemedy

Add following sentence to end of the paragraph: The LSB of the OAM9 symbol is transmitted first.

Proposed Response Response Status O

C/ 97 SC 97.3.2.2.5 P34 L1 # 74

Zebralla, Daniel Continental Automotiv

Comment Type ER Comment Status X

In "Figure 97–3—PCS Receive bit ordering" the flow of data is in the wrong direction for the lines from 3B2T demapper to the circled plus-sign inside the circle and from the circled plus-sign inside the circle to rx RSC<43>.

SuggestedRemedy

Invert the direction of the arrows from 3B2T demapper to circled plus-sign and from circled plus-sign to rx RSC<43> in "Figure 97–3—PCS Receive bit ordering".

Proposed Response Status O

Proposed Response

SC 97.3.2.2.5 Cl 97 P 35 L 24 # 85 Regev, Alon Ixia Comment Type Comment Status X in figure 97-4, in the rightmost bottom blocks (correstponding to the final set of ternary PAM3 symbols), the range of symbols shown is 2436...4049. It should be 2436...2699 SuggestedRemedy Change 4049 to 2699 in the rightmost bottom block of Figure 97-4. Proposed Response Response Status O CI 97 SC 97.3.2.2.5 P 35 L 7 # 103 Lo. William Marvell Semiconducto Comment Type Comment Status X TR Fix OAM label in figure 97-4 since OAM is being defined and field is not fixed. SuggestedRemedy Remove: fixed 010101111 OAM should be OAM9 for consistency with other diagrams Proposed Response Response Status O Cl 97 SC 97.3.2.2.7 P 36 L 48 # 56 McClellan, Brett Marvell Comment Status X Comment Type T The additional 81B block is not invalid because the PHY now uses a side-stream scrambler. There is not error propogation. SuggestedRemedy change: "The RS block contains the payload of an uncorrectable received RS frame or the first 80B/81B block following an invalid received RS frame to account for self-synchronizing scrambler error propagation."

"The RS block contains the payload of an uncorrectable received RS frame."

Response Status O

CI 97 SC 97.3.2.2.7 P 36 L 48 # 106 Lo. William Marvell Semiconducto Comment Type TR Comment Status X The self-synchronizing scrambler is replaced with fixed scrambler. Error will not propagate. SuggestedRemedy Delete the following clause: or the first 80B/81B block following an invalid received RS frame to account for selfsynchronizing scrambler error propagation. Proposed Response Response Status O CI 97 SC 97.3.2.2.7 P 37 L 1 # 107 Lo. William Marvell Semiconducto Comment Type т Comment Status X Table 97-1 No concept of carrier extend in full duplex SuggestedRemedy Delete the 3 rows in the middle Carrier Extend Carrier Extend Error Reserves Proposed Response Response Status O CI 97 SC 97.3.2.2.8 P 37 L 24 # 86 Regev, Alon Ixia Comment Type E Comment Status X extra space in front of comma in "When deleting, the first four Idles" SugaestedRemedy Remove the extra space before the comma. Proposed Response Response Status O

Cl 97 SC 97.3.2.3 P 40 L 35 # 58 CI 97 SC 97.3.4 P 41 L 34 # 73 McClellan, Brett Marvell McClellan, Brett Marvell Comment Type Comment Status X Comment Type T Comment Status X alignment is determined during PMA training. Propose to accept the described 33-bit training LFSR. SuggestedRemedy SuggestedRemedy change: The PCS receiver uses knowledge of the encoding rules to correctly align the 81B-I will present a proposal for PMA training scrambler text and figure. RS frames." Proposed Response Response Status O to: "The PCS receiver uses knowledge of the PMA training alignment to correctly align the 81B-RS frames." Proposed Response Response Status 0 Cl 97 SC 97.3.5.4 P 46 L 10 McClellan, Brett Marvell Cl 97 SC 97.3.2.3 P 41 L 2 # 59 Comment Type E Comment Status X McClellan, Brett Marvell use arrow symbol instead of "<=" Comment Status X SuggestedRemedy Comment Type T Motion 5 in the November meeting defined the 1 bit pattern every 180 symbols. change:"<=" to arrow symbol Proposed Response SuggestedRemedy Response Status O change: "The PMA training sequence includes 1 bit pattern on pair A every TBD PAM2 symbols, which is aligned with the PCS Partial RS frame boundary." to: "The PMA training sequence includes 1 bit pattern every 180 PAM2 symbols. SC 97.3.5.4 Cl 97 P 47 L 1 which is aligned with the PCS Partial RS frame boundary." McClellan, Brett Marvell Proposed Response Response Status O Comment Type T Comment Status X PCS transmit and receive state diagrams need update for EEE support. Cl 97 SC 97.3.3 P 41 L 28 # 60 SuggestedRemedy McClellan, Brett Marvell I will present a proposal for updated figures. Comment Status X Proposed Response Comment Type Т Response Status O The scrambler is not self-synchronizing. SuggestedRemedy Cl 97 SC 97.4 P 52 L 10 # 54 change: "After acquiring the self-synchronizing scrambler state, the output of the received McClellan, Brett Marvell scrambled values should ideally be zero." to: "The output of the received descrambled values should ideally be zero." Comment Type T Comment Status X Proposed Response Response Status O Need text for PMA SuggestedRemedy I will present a proposal for baseline text.

Proposed Response

Response Status O

Cl 97 SC 97.5.5 P 91 L 26 # 121 Brett McClellan Marvell Comment Type E Comment Status X Post-Deadline

Figure is missing a label.

SuggestedRemedy

Add "Figure 97-14 Arbitration state diagram"

Proposed Response Response Status O

SC 98.2.1.1.1 P 67 L 50 Cl 98 # 87 Regev, Alon Ixia

Comment Type Т Comment Status X

The number of transition positions is stated as TBD (Tentatively 164 = 32 + 128 + 6). There are a couple of problems here:

- 1. 32 + 128 + 6 is equal to 166 (not 164).
- 2. In the definitions below in section 98.2.1.1.1, only 26 transition positions are used for the sync header, 128 for the page data & CRC, and 6 for the Manchester violation delimiter (meaning only 160 = 26 + 128 + 6) transition positions are defined.

SuggestedRemedy

Replace "TBD (Tentatively 164 = 32 + 128 + 6)" with "160 (= 26 + 128 + 6)"

Proposed Response Response Status O

Cl 98 P 68 L 44 SC 98.2.1.1.1 # 88 Regev, Alon Ixia

Comment Type Ε Comment Status X

Figure 98-3 has a couple of unclear items:

- 1. The input states "Oct5 through Oct14". In all other parts of this subclause, we refer to the data in terms of transition positions, not octets. Also, it is not clear if the Octet count is zero or one based.
- 2. The CRCGen vs. CRCout switch is not clear as to its value in the CRCout state.

SuggestedRemedy

- 1. Replace "Oct5 through Oct14" with "Auto Negotiation Page Data". The description of the translation present or absent even bit positions to data bits is already present in text (and in Figure 98-5) so it does not need to appear in this figure (Figure 98-3).
- 2. Show the CRCgen vs. CRCout swithc as a multiplexer (or relay) that had a "0" input in the CRCout state and the input from the XOR below in the CRCgen state.

Proposed Response Response Status 0 Cl 98 SC 98.2.1.1.1 P 68 L 6 # 91

Comment Status X

Regev. Alon Ixia

The list of transitions on page 68. line 6 does not match the sequence shown in subclause 98.2.1.1.3 (page 70, line 48). Specifically, an additional transition at bit position 8 is shown on page 70.

SuggestedRemedy

Comment Type

Correct "2, 3, 5, 7, 12, 13, 14, 15, 19, 21, 24, 25, 26" to "2, 3, 5, 7, 8, 12, 13, 14, 15, 19, 21, 24, 25, 26"

Proposed Response Response Status O

C/ 98 SC 98.2.1.1.2 P 70 L 26 # 89

Regev. Alon Ixia

Comment Status X The minimum T1 period is specified as 30.997. This should be 29.997.

SugaestedRemedy

Comment Type E

Replace "30.997" with "29.997".

Proposed Response Response Status O

Cl 98 SC 98.2.1.1.2 P 70 L 28 # 90

Regev, Alon Ixia

Comment Type E Comment Status X

In Section 98.2.1.1.2 on page 69, line 48, it is defined that "Transitions shall occur within +/-0.8 ns of their ideal positions). This implies that T2 and T3 can be off by 2 x 0.8 ns from the ideal (as one transition could be off by 0.8 ns in one direction and the other transition could be off by 0.8 ns in the other direction).

In Figure 98-1, The Min and Max values for T2 and T3 are effectively +/- 1ns. I believe these should be +/- 1.6 ns to be in compliance with the "Transitions shall occur withing +/-0.8 ns of their ideal conditions" statement).

SuggestedRemedy

For T2, change the Min to "58.4" ns and the max to "61.6" ns. For T3, change the Min to "28.4" ns and the max to "31.6" ns.

Proposed Response Response Status O

# **Received Comments**

# IEEE P802.3bp D1.1 1000BASE-T1 PHY 2nd Task Force review comments

Cl 98 SC 98.2.1.1.3 P 71 L 6 # 62 Cl 98 SC 98.2.1.2.1 P 71 L 46 # 64 McClellan, Brett Marvell McClellan, Brett Marvell Comment Status X Comment Type E Comment Status X Comment Type E The sync header is 26-bit not 32 bit. fix reference SuggestedRemedy SuggestedRemedy change 32 to 26 change 28A to 98A Proposed Response Proposed Response Response Status O Response Status O Cl 98 SC 98.2.1.1.3 P 71 L 6 # 92 CI 98 SC 98.2.1.2.3 P72 L 20 Regev, Alon Ixia McClellan, Brett Marvell Comment Type E Comment Status X Comment Type E Comment Status X The timing diagram shows "32-bit PRBS", but we don't tansmit 32-bit PRBS data. We fix exponent typo transmit a sync header (with a random polarity determined by an 8 bit pseudo-random SuggestedRemedy number generator). change: "0 to 24 - 1" to "0 to 2^4 - 1" SuggestedRemedy Proposed Response Response Status O Replace the "32-bit PRBS text" with an actual timing diagram of the sync header. Proposed Response Response Status O SC 98.2.1.2.3 Cl 98 P **72** L 21 Regev, Alon Ixia Cl 98 SC 98.2.1.2 P 71 L 39 # 63 Comment Type T Comment Status X McClellan, Brett Marvell The draft states that "The lower 4 bits of the transmitted nonce should have a uniform Comment Type Comment Status X Ε distribution in the range from 0 to 24 - 1". As there are only 4 bits, I think the range should fix reference be "0 to 16 - 1". SuggestedRemedy SuggestedRemedy change TBD to 98.2.1.2.5 Change "24 - 1" to "16 - 1" Proposed Response Response Status O Proposed Response Response Status O

Cl 98 SC 98.2.1.2. McClellan, Brett	4 P <b>72</b> Marvell	L <b>39</b>	# [66	Cl 98 SC 98.5.1 Regev, Alon	<i>P</i> <b>78</b> Ixia	L <b>5</b>	# 94	
Comment Type E fix reference	Comment Status X			Comment Type E  It is not clear that Tab also no reference to t	Comment Status X  ble 98-4 maps stage diagram his table in the text	variables to MDI	O registers. There is	
SuggestedRemedy change 98B.2 to 98B.3	3			SuggestedRemedy				
Proposed Response	Response Status O				ted Pair Auto-Negotiation regi Auto-Negotiation MDIO regist		the title of the table to	
0/ 00 00 00 0	5 070		" [	Change the column h	eader labelesd "Description"	to "Description /	MDIO register mapping".	
Cl 98 SC 98.2.1.2. McClellan, Brett	5 P 73 Marvell	<i>L</i> 1	# 67	Add a reference from the text of section 98.5.1 to Table 98-4.				
Comment Type E fix typos in table 98-3	Comment Status X			Proposed Response	Response Status O			
	l Encoding" to "Master Slave ( Default" to "Configuration Fau			C/ 98 SC 98.5.1 McClellan, Brett	P <b>79</b> Marvell	L 16	# [69	
Proposed Response	Response Status O	iit.		Comment Type <b>E</b> fix enumeration	Comment Status X			
C/ 98 SC 98.2.4.3.		L 14	# [68	SuggestedRemedy change a,a,a,a to a,	b,c,			
McClellan, Brett	Marvell			Proposed Response	Response Status O			
Comment Type <b>E</b> fix figure 98-10 title	Comment Status X							
SuggestedRemedy	d Do well to Ill Information of Nove	Dane!		Cl 98 SC 98.5.1 Brett McClellan	P <b>79</b> Marvell	L <b>7</b>	# 122	
Proposed Response	Response Status <b>O</b>	rage		Comment Type <b>T</b> missing definition.	Comment Status X		Post-Deadline	
				SuggestedRemedy Add "1GigT1; represe	ents that the 1000BASE-T1 Pl	MA is the signal	source."	
				Proposed Response	Response Status 0	-		

# **Received Comments**

# IEEE P802.3bp D1.1 1000BASE-T1 PHY 2nd Task Force review comments

Cl 98 SC 98.5.2 P 85 L 31 # 100 Lo. William Marvell Semiconducto

Comment Type Comment Status X

backoff\_timer needs adjustment based on latest baseline in November meeting.

#### SuggestedRemedy

backoff timer

If T[4] bit is 1 then the timer duration is set as (6805 ns to 6925 ns) + (random integer from 0 to 15) x (2120 ns to 2240 ns).

If T[4] bit is 0 then the timer duration is set as (7895 ns to 8015 ns) + (random integer from 0 to 15) x (2120 ns to 2240 ns (TBD)).

Proposed Response Response Status O

P 85 CI 98 SC 98.5.2 L 31 # 108 Lo. William Marvell Semiconducto

Response Status 0

Comment Type TR Comment Status X

The timers in this section needs adjustment based on latest baseline in November meeting.

### SuggestedRemedy

Proposed Response

Timer min max units blind timer 2000 2120 ns break link timer 300 305 us clock detect max timer 63 75 ns clock detect min timer 45 57 ns data detect max timer 45 ns 27 ns data detect min timer 15 link fail inhibit timer 97 98 ms receive DME timer 6805 6925 ns 2120 2240 ns silent timer

Cl 98 SC 98.5.2 P 85 L 32 # 98 Ixia

Regev, Alon

Comment Type Comment Status X

We have seen in previous PHY implementations conditions where once a collission occurs, collisions keep on occuring as the both link partners have the same pseudorandom number generator and they are "aligned" such that both link partners chooset the same random number each time.

#### SuggestedRemedy

Add requirements for the random number generator:

- 1. The random number should be generated using either a true random number generator (not pseudo-rnadom) or using a pseudo-random number generator with a sequence that repeats no more often than every 100,000 cycles.
- 2. The random number generator should be free running based rather than having the random gnenerator update just once per backoff.

Proposed Response Response Status O

Cl 98 SC 98.5.2 P 86 L 30 # 109

Marvell Semiconducto Lo, William

Comment Type TR Comment Status X

page\_test\_max\_timeris missing

#### SuggestedRemedy

page\_test\_max\_timer

Timer for the maximum time between detection of start and end delimiters. The page test max timer shall expire 4800 ns to 4920 ns after being started or restarted.

Proposed Response Response Status 0

CI 98 SC 98.5.3 P 87 L 51 # 99 Regev, Alon Ixia

Comment Type Comment Status X

rx\_bit\_cnt is defined as having values between 0 and 65, but the description also states that the counter does not inrement beyond 64.

#### SuggestedRemedy

change "integer values from 0 to 65" to "integer values from 0 to 64"

Proposed Response Response Status O

SuggestedRemedy

Proposed Response

Remove the extra "|" character.

Response Status O

Cl 98 SC 98.5.5	5 P 88 Marvell Semi	L1 conducto	# 110	Cl 98B SC 98B.3 P 101 L 46 # 111 Lo, William Marvell Semiconducto	
Comment Type ER Figure 98-11 - rem				Comment Type ER Comment Status X 100BASE-T1 EEE does not exist - remove	
SuggestedRemedy Figure 98-11 - remainstrates Proposed Response	ove underlines  Response Status <b>O</b>			SuggestedRemedy  Keep bit A1 reserved but remove phrase for 100BASE-T1 EEE ability  Proposed Response Response Status O	
Cl 98 SC 98.5.9  McClellan, Brett  Comment Type E  underlines not requ  SuggestedRemedy  remove underlines  Proposed Response	Marvell  Comment Status X	L5	# 70	CI 98B SC 98B.3 P 101 L 50 # 113  Lo, William Marvell Semiconducto  Comment Type E Comment Status X  In the A3 bit - remove trailing -T1  SuggestedRemedy 1000BASE-T1 EEE ability  Proposed Response Response Status O	
SuggestedRemedy	Marvell  Comment Status X  lockup condition in state DELIM  IDLE. I will present an update st  Response Status O		# [123	Cl 98B SC 98B.3 P102 L7 Lo, William Marvell Semiconducto  Comment Type TR Comment Status X Missing 1000BASE-T1 EEE in priority resolution  SuggestedRemedy 1000BASE-T1 EEE 1000BASE-T1 100BASE-T1	
Cl 98 SC 989.5 Regev, Alon Comment Type E Extra " " character	lxia  Comment Status X	L1	# 97	Proposed Response Response Status O	

### **Received Comments**

should not be SugaestedRemedv

Proposed Response

# IEEE P802.3bp D1.1 1000BASE-T1 PHY 2nd Task Force review comments

Cl 99 SC Table of Contents P 10 L 49 # 95 Regev, Alon Ixia Comment Type Ε Comment Status X In the table of comments, 5th level headings do not have a space between the heading number and the heading title. This is especially confusing when the title begins with a number. For example, The ToC line for "97.3.2.2.2" looks like "97.3.2.2.281B-RS transmission code" SuggestedRemedy Add space between the heading number and heading title in the ToC for hading level 5 and higher. Proposed Response Response Status O CI 99 SC Table of Contents P 11 # 96 L 15 Regev, Alon Ixia Comment Type Ε Comment Status X In the ToC entry for 97.3.4.2, the "n" in "TAn" should be a subscript (this is correct in actual title for 97.3.4.2, but is wrong in the table of contects) SuggestedRemedy make the "n" in the TAn a subscript. Proposed Response Response Status O Cl 99 SC ToC P 11 L 14 # 80 Regev, Alon Ixia Comment Type E Comment Status X On the ToC line containing "97.3.4.1 Generation of San", the page number (42) and the

leading dots are in subscript. While the "n" should be in subscript, the rest of the line

make the page number and leading dots be in normal script rather than subscript.

Response Status O

Comment Type E Comment Status X

In the table of contents, when the title of a subclause extneds beyond 1 line, the alignment of the second (and beyond) lines is not correct. Also, the page number does not align with other page numbers

# SuggestedRemedy

Change the formatting of table of contents entries such that if a title extends beyond 1 line, the text is aligned and the page number aligns with the page number column.

Proposed Response Response Status O