IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Sponsor recirculation ballot comments

Proposed Responses

C/ FM SC FM Remein, Duane	P <b>13</b> Futurewei Teo	L <b>42</b> chnologie	# <u>r01-14</u>	C/ <b>00</b> SC <b>0</b> Anslow, Peter	<i>P</i> Ciena Cor	L poration	# <u>r01-7</u>
Amendment number has I SuggestedRemedy Add "Amendment 5-"	Comment Status D been set by Mr. Law Response Status W			D3.0), as shown in interleaved with th <i>SuggestedRemedy</i> Move Annex A and	Comment Status <b>D</b> 802.3 amendments is to have the 802.3 FrameMaker temp e clauses. Why was this char Annex 31A to be after Claus	late. In D3.1, Ann nge made?	
C/ FM SC FM Anslow, Peter	P 13 Ciena Corpor Comment Status D	L <b>42</b> ation	# [r01-1	REVISED per comment and	Response Status W EPT IN PRINCIPLE. modify Editor Instruction on F s 100, 101, 102, 103, and Anr	2g 81 line 1 to per nex 100A as follow	Staff editors input read: /s:"
http://www.ieee802.org/3/ Physical Layer (always ca SuggestedRemedy Change "physical layer" to Proposed Response PROPOSED ACCEPT.	pped)	ments/words.htr	nl has:	Cl 00 SC 0 Grow, Robert Comment Type G You may mark all comments on D3. SuggestedRemedy	P RMG Con <i>Comment Status</i> <b>D</b> my D3.0 comments as satisfie	U	# <u>r01-31</u> rors are covered by
Page 27 does not reflect t	P 27 Ciena Corpor <i>Comment Status</i> D he latest version of the 80		# <u>r01-2</u>	Proposed Response PROPOSED ACC REVISED Thank you for this	Response Status W EPT IN PRINCIPLE.		
SuggestedRemedy Change "Implementors" to Proposed Response PROPOSED ACCEPT.	o "Implementers". Response Status W			Cl 00 SC 0 Remein, Duane Comment Type ER Clauses mis-order SuggestedRemedy Change to FM, 1, 3 Proposed Response PROPOSED ACC	Comment Status D ed 30, 45, 56, 67, 76, 100, 101, 1 Response Status W	<i>L</i> <b>1</b> Technologie 02, 103 Annex A,	# <u>r01-15</u> <i>Clause order</i> Annex 31A, Annex 100A.

CI 00 SC 0

C/ 1         SC 1.2.7         P 29         L 6         # [r01-3]           Anslow, Peter         Ciena Corporation         Ciena Corporation         Ciena Corporation         Ciena Corporation	C/ 1         SC 1.4.144a         P 29         L 46         # r01-5           Anslow, Peter         Ciena Corporation         Ciena Corporation         Figure 100-5
Comment Type E Comment Status D (Page number from CMP version) unusual editing instruction	Comment Type E Comment Status D (Page number from CMP version) In the editing instruction, there is a spurious extra "("
SuggestedRemedy	SuggestedRemedy
Change to: "Insert 1.2.7 after 1.2.6 "Accuracy and resolution of numerical quantities".	Change to "Clocked Violation LO (CVL)"
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.
C/ 1     SC 1.3     P 29     L 17     # [r01-4]       Anslow, Peter     Ciena Corporation	C/         1         SC         1.4.331         P         L         # 101-26           Grow, Robert         RMG Consulting         RMG Consulting         RMG Consulting         RMG Consulting
Comment Type E Comment Status D (Page number from CMP version)	Comment Type E Comment Status D Format problem?
In the editing instruction, "reference" should be "references" SuggestedRemedy Change "reference" to "references"	SuggestedRemedy There does not appear to be a space after subclause number, make style the same as other definitions.
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.
C/ 1         SC 1.4.134         P 28         L 41         # r01-10           Law, David         Hewlett Packard Enter         Hewlett Packard Enter         Hewlett Packard Enter	C/ 1         SC 1.4.345a         P 30         L 45         # [r01-6]           Anslow, Peter         Ciena Corporation         Ciena Corporation         Ciena Corporation
Comment Type G Comment Status D	Comment Type E Comment Status D
The text '(For 10BROAD36,' should not be shown in underscore as this text was added by IEEE P802.3by.	(Page number from CMP version) Now that 1.4.345b has been removed, in the editing instruction, "definitions" should be "definition"
See comment.	SuggestedRemedy
Proposed Response Response Status W	Change "definitions" to "definition"
PROPOSED ACCEPT IN PRINCIPLE. REVISED Per comment but also don't show "sSee" in mark-up as "See" was changed to "see" by	Proposed Response Response Status W PROPOSED ACCEPT.
P802.3by also. Final version: 1.4.134 channel: In 10BROAD36 <uline>and 10GPASS-XR, </uline> a band of frequencies dedicated to a certain service transmitted on the broadband medium. Otherwise, a defined path along which data in the form of an electrical or optical signal passes. (For 10BROAD36, see IEEE Std 802.3, Clause 11 <uline>, for 10GPASS-XR see Clause 100, Clause 101, and Clause 102</uline> .)	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn SORT ORDER: Clause, Subclause, page, line C/ **1** SC **1.4.345a** 

C/ 45 SC 45	Р	1	# r01-30	C/ 45	SC	45.2.1	P 38	L 17	# r <u>01-27</u>
Grow, Robert	RMG Consult	ting		Grow, Rol			RMG Co		
Comment Type E Comment Status D Verify the remainder of the numbering. SuggestedRemedy				Comment Type <b>TR</b> Comment Status <b>D</b> Table 45 Incorrect base text for Table 45-3. IEEE Std 802.3bw-2015 has 1.17 listed as a single reserved row because 802.3bw defined 1.18. No need to change reserved rows except 1.17. The new reserved row in this draft also conflicts with definition of 1.19 in P802.3by.					
Per comment Proposed Response PROPOSED REJEC	Response Status W			Suggeste Chan	<i>dRemec</i> ge edito	<i>ly</i> rial instru		nge the 1.17 row o	f Table 45-3 (as modified
Standards are profes	sionally edited by IEEE editors	· ·			rved in s	strikethro	ugh and new register nar Response Status W		
Cl 45 SC 45.2.1 Anslow, Peter	P <b>38</b> Ciena Corpor	L 17 ation	# <u>r01-8</u>		POSED		IN PRINCIPLE.		
SuggestedRemedy Change the editing in inserted by IEEE Std	MP version) made changes to Table 45-3 v istruction to: "Change the rese 802.3bw-2015) as follows (un Id "Reserved" in strikethrough	rved row for 1.1 changed rows r	7 in Table 45-3 (as not shown):"	insert in the	ed by IE row for " in the	EE Std 8 1.17 add	truction to: "Change the 302.3bw-2015) as follows "Reserved" in strikethro name" column, underlin P 39	(unchanged rows r ugh font and underl	not shown):" ine "EPoC PMA/PMD
ability" in the "Registe Proposed Response	er name" column, underline "4 Response Status W	5.2.1.14aa" and	I remove the row below.	Grow, Rol Comment		тр	RMG Co Comment Status D	nsulting	Table 45-3
PROPOSED ACCEPT.				Incorr	ect base		Table 45-3. IEEE Std 80 includede in the current		anged the reserved row
				chang	2767 sh ges. Ado	nould be 2 d ("as mo	2099 in first (strikethroug odified by IEEE Std 802.3 e text is found.		
				REVI	POSED SED	ACCEPT	Response Status W IN PRINCIPLE. y (copied below) to accept	ted comment r01-0	)9.
				Table showi in the	45-3 (a n):" first row	s inserte v change	truction to: "Change the d by IEEE Std 802.3bw-2 the strikethrough text to "1.1959 through 1.32767	015) as follows (un '2099"	changed rows not

C/ **45** SC **45.2.1** 

## IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Sponsor recirculation ballot comments

C/45 SC 45.2.1 P 41 L 5 # [101	C/ 100 SC 100.3.1	P 88	L <b>21</b>	# <u>r</u> 01-11				
Anslow, Peter Ciena Corporation	Remein, Duane	Futurewei Teo	chnologie					
Comment Type E Comment Status D	able 45-3 Comment Type E	Comment Status D						
(Page number from CMP version) IEEE 802.3by-201x made changes to Table 45-3 which show the appropriate res as "1.1809 through 1.2099"	ved row The reference in the follow "The CNU reports support see 101.4.3.4.5"	0		_ModAbility variable				
SuggestedRemedy	SuggestedRemedy							
Change the editing instruction to: "Change the reserved row for 1.1809 through 1		Change to 101.4.4.4.4						
Table 45-3 (as inserted by IEEE Std 802.3bw-2015) as follows (unchanged rows shown):" in the first row change the strikethrough text to "2099"	Proposed Response F PROPOSED ACCEPT.	Response Status W						
in the last row change "1.1959 through 1.32767" to "1.1959 through 1.2099"	C/ 100 SC 100.3.3.1	P 91	L 23	# r01-16				
Proposed Response Response Status W PROPOSED ACCEPT.	Laubach, Mark	Broadcom Co	rporation					
	Comment Type TR	Comment Status D						
C/45 SC 45.2.7a.5 P 66 L 41 # r01	Change "product" to "accu	mulation"						
Remein, Duane Futurewei Technologie	SuggestedRemedy							
Comment Type E Comment Status D	As per comment							
extra period at end of line. "shown in Table 45-211f"	Proposed Response F	Response Status W						
SuggestedRemedy strike spare period.	PROPOSED ACCEPT.							
Proposed Response Response Status W	C/ 100 SC 100.3.4.4.3	P 105	L <b>49</b>	# <u>r01-17</u>				
PROPOSED ACCEPT.	Laubach, Mark	Broadcom Co	rporation					
		Comment Status D						
C/         45         SC         45.21.131b6         P 61         L 49         # r01           Grow, Robert         RMG Consulting	The second xref in first set	ntence should point to Tal	ole 100-8					
	SuggestedRemedy							
Comment Type ER Comment Status D	As per comment							
Sections jump from 45.2.1.130z5 for register 1.1948 to 45.2.1.1301b6 for register Table numbers jump from 45-98az5 to 45-99a01.	Proposed Response F	Response Status W						
SuggestedRemedy	PROPOSED ACCEPT.							
Fix to be consecutive with the reqired convoluted numbering.								
Proposed Response Response Status W								
PROPOSED ACCEPT IN PRINCIPLE. REVISED								
This error only appears to be a problem in the FrameMaker generated CMP version	n of the							

C/ 100 SC 100.3.4.4.3

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Sponsor recirculation ballot comments

Proposed Responses

C/         100         SC         100.3.5.3.1         P 113         L 33         #         r01-23           Laubach, Mark         Broadcom Corporation         Find the second secon
Comment Type <b>TR</b> Comment Status <b>D</b> Change "uses" to "can use". CLT needs to ensure that it meets a desired confidence interval provided by the manufacture. For example, the statement as written would permit the CLT to use only one upstream probe symbol, which would not create confidence.
SuggestedRemedy As per comment
Proposed Response Response Status W PROPOSED ACCEPT.
Cl 100       SC 100.3.6.1       P 114       L 38       # r01-24         Laubach, Mark       Broadcom Corporation       For the sendence of the sentence. Adjust row/line alignents.       Broadcom Corporation
SuggestedRemedy As per comment Proposed Response Response Status W PROPOSED ACCEPT.
C/         100         SC         100.4.1         P 118         L 48         # [r01-21]           Laubach, Mark         Broadcom Corporation
Comment Type GR Comment Status D "MD1" should be "MDI"
SuggestedRemedy As per comment
Proposed Response Response Status W PROPOSED ACCEPT.

C/ 100 SC 100.4.1

IEEE 802.3bn EPON Protocol over Coax (EPoC) TF 1st Sponsor recirculation ballot comments

Proposed Responses

# <u>r01-12</u>	C/ 101	SC 101.3.2.	5.4	P 151	L 13	# r01-25				
Remein, Duane Futurewei Technologie				Laubach, Mark Broadcom Corporation						
Burst Markers	Comment Typ	e TR	Comment Sta	atus <b>D</b>		Burst Markers				
Step 1) Add burst start marker and Step 9) Add burst end marker do not happen in FEC encoding. They are part of PMA. SuggestedRemedy				Bin is not defined. Looping may not be correct as drafted, i.e., should continue looping until not enough for a long codeword, move to next tests, etc. The text here should not be confused with the state machine / pseudo code used in 101.3.2.5.7, and should remain in						
	its prior de	escriptive for	mat.							
	SuggestedRemedy									
	Revert to	previous text	t, lines 13 throug	า 39.						
	Proposed Res	ponse	Response Sta	atus W						
			IN PRINCIPLE.							
See Response (copied below) to comment r01-25										
ange the number										
EC codeword (BQ						eat step 1.				
step 1.	,			0						
	,									
						ains true repeat step 5.				
rue repeat step 5.	6) lf 12 >	Bin >= 1, cr∈	eate a shortened	short FEC co	odeword.					
	Burst Markers happen in FEC ange the number EC codeword (BQ tep 1.	Laubach, Mark Burst Markers happen in FEC Bin is not until not e confused its prior de SuggestedRef Revert to Proposed Res PROPOSI REVISED Bin is defi step text to EC codeword (BQ EC codeword (BQ 2) If 220 > tep 1. 3) If 101 > 4) If 76 > 5) If 25 > 6) If 12 >	Burst Markers       Laubach, Mark         Burst Markers       Comment Type       TR         happen in FEC       Bin is not defined. Louuntil not enough for a confused with the statist prior descriptive for         SuggestedRemedy       Revert to previous tex         Proposed Response       PROPOSED ACCEPT         Bin is defined in step 2       Bin is defined in step 2         ange the number       1) If the number of ava         EC codeword (BQ       2) If 220 > Bin >=101,         Bin 101 > Bin >= 76,       3) If 101 > Bin >= 76,         A) If 76 > Bin >= 12, co       5) If 25 > Bin >= 12, co         B) If 12 > Bin >= 1, cree	Burst Markers       Laubach, Mark       E         Burst Markers       Comment Type       TR       Comment State         happen in FEC       Bin is not defined. Looping may not be until not enough for a long codeword, m confused with the state machine / pseudits prior descriptive format.       SuggestedRemedy         Revert to previous text, lines 13 through       Revert to previous text, lines 13 through         PROPOSED ACCEPT IN PRINCIPLE.       REVISED         Bin is defined in step 2: "the number of step text to read as follows:       1) If the number of available 65-bit bloc         EC codeword (BQ       1) If the number of available 65-bit bloc         tep 1.       3) If 101 > Bin >= 76, create a shortened         3) If 220 > Bin >= 101, create a shortened       3) If 25 > Bin >= 12, create a shortened         6) If 12 > Bin >= 1, create a shortened       5) If 25 > Bin >= 12, create a shortened	Burst Markers       Laubach, Mark       Broadcom Color         happen in FEC       Comment Type       TR       Comment Status       D         Bin is not defined.       Looping may not be correct as contributed with the state machine / pseudo code used its prior descriptive format.       SuggestedRemedy         Revert to previous text, lines 13 through 39.       Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       REVISED       Bin is defined in step 2: "the number of available 65 step text to read as follows:         ange the number       1) If the number of available 65-bit blocks (Bin) is si = 220), create a long FEC codeword. If Bin >= 220         EC codeword (BQ titep 1.       1) If the number of available 65-bit blocks (Bin) is si = 220), create a long FEC codeword. If Bin >= 220         Bin is 25 bin >= 101, create a shortened long FEC       3) If 101 > Bin >= 76, create a medium FEC codeword.         Bin 12 > Bin >= 12, create a shortened medium FEC       5) If 25 > Bin >= 12, create a shortened medium FEC	Burst Markers       Laubach, Mark       Broadcom Corporation         Burst Markers       Comment Type       TR       Comment Status       D         happen in FEC       Bin is not defined. Looping may not be correct as drafted, i.e., shou until not enough for a long codeword, move to next tests, etc. The tic confused with the state machine / pseudo code used in 101.3.2.5.7, its prior descriptive format.         SuggestedRemedy       Revert to previous text, lines 13 through 39.         Proposed Response       Response Status       W         PROPOSED ACCEPT IN PRINCIPLE.       REVISED         Bin is defined in step 2: "the number of available 65-bit blocks (Bin)" step text to read as follows:       1) If the number of available 65-bit blocks (Bin) is sufficient to fill a log = 220), create a long FEC codeword. If Bin >= 220 remains true rep 2) If 220 > Bin >=101, create a shortened long FEC codeword.         Alf To 1 > Bin >= 76, create a medium FEC codeword.       1) If 76 > Bin >= 12, create a shortened medium FEC codeword.         Bin 12 > Bin >= 1, create a shortened short FEC codeword.       1) If 25 > Bin >= 12, create a shortened short FEC codeword.				

C/ 101 SC 101.3.2.5.4

<i>Cl</i> <b>101</b> Laubach, I	SC <b>101.3.2.5.4</b>		<b>51</b> Icom Cor	L 13	# r <u>01-22</u>
Laubach, i	VIAIN	Dioac		poration	
Comment	Type TR	Comment Status	D		Burst Markers
	violation. Insertion er in the PMA.	of the start/stop b	urst mark	kers is performe	d by the symbol
Suggested	dRemedy				
Remo	ve steps 1) and 12)	)			
Proposed	Response	Response Status	w		
PROP REVIS	OSED ACCEPT IN	I PRINCIPLE.			
See R	esponse (copied b	elow) to comment	r01-25.		
	defined in step 2: " ext to read as follow		lable 65-	bit blocks (Bin)'	'. Change the number
= 220) 2) If 22 3) If 1	), create a long FE0 20 > Bin >=101, cre 01 > Bin >= 76, cre	C codeword. If Bin eate a shortened lo ate a medium FEC	>= 220 re ng FEC codewo	emains true rep codeword. rd.	ong FEC codeword (BQ beat step 1.
4) If 70	6 > Bin >= 25, crea	te a shortened me	dium FE	codeword.	

- 5) If 25 > Bin >= 12, create a short FEC codeword. If Bin >= 12 remains true repeat step 5.
- 6) If 12 > Bin >= 1, create a shortened short FEC codeword.

C/ 101 SC 101.3.2.5.4