Handling Open Comments

Beth Kochuparambil

2/26/2020

Resubmitted Comments

- Comment Number is the Paper Trail
 - Draft 1.0 comment #59 \rightarrow Draft 1.1 comment #10059
- Subclause, Page, Line of Draft 1.1
 - Previous references to Draft 1.0 added as editor note in comment
- Proposed Response Restarted for Draft 1.1

51 Open Comments

- 3 buckets
 - Discussion needed
 - Pending further work
 - Overtaken by events
- Commenters to disposition



Use of Ad Hoc Time



Comments to be Addressed Listed in Agenda



Review of Comment & Suggested Remedies



Review Affected Items in the Draft

Discuss



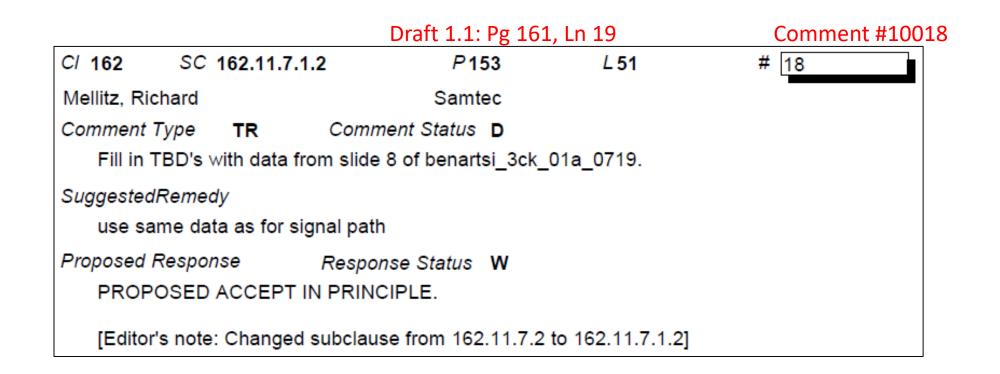
Capture Discussion in Proposed Response for Faceto-Face Meeting

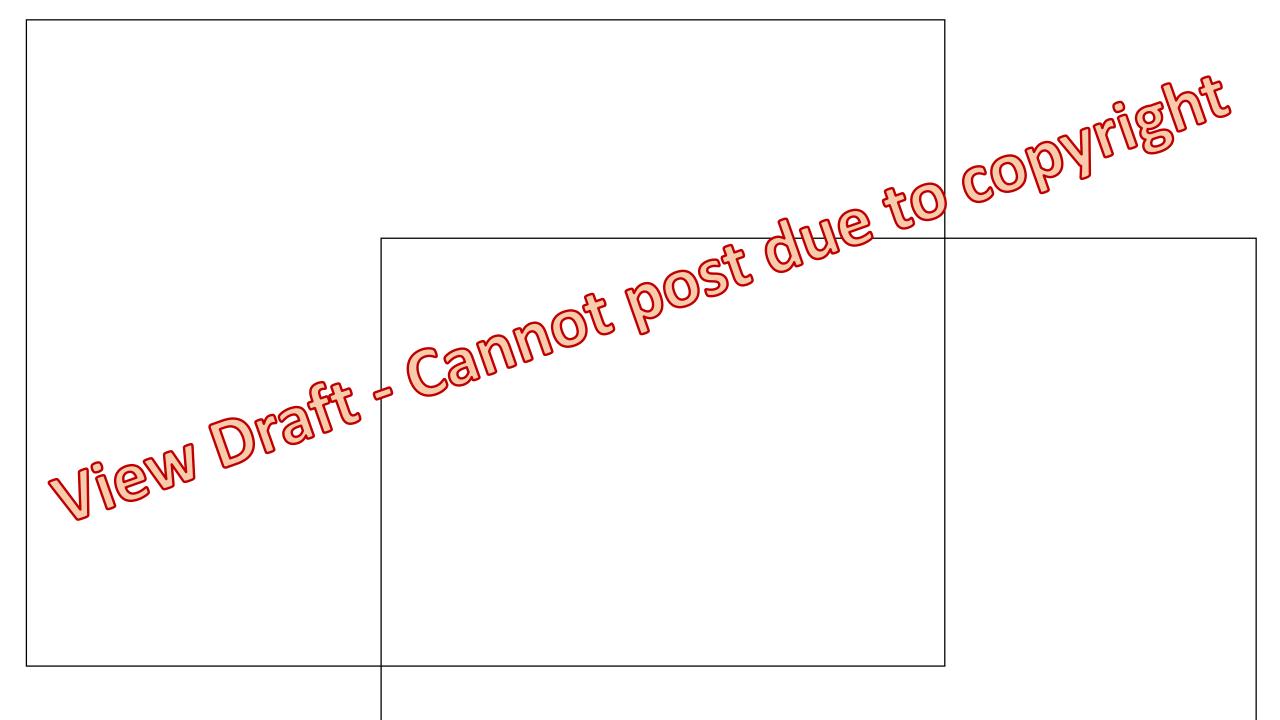
Discussion of Comments 10016, 10017, 10018

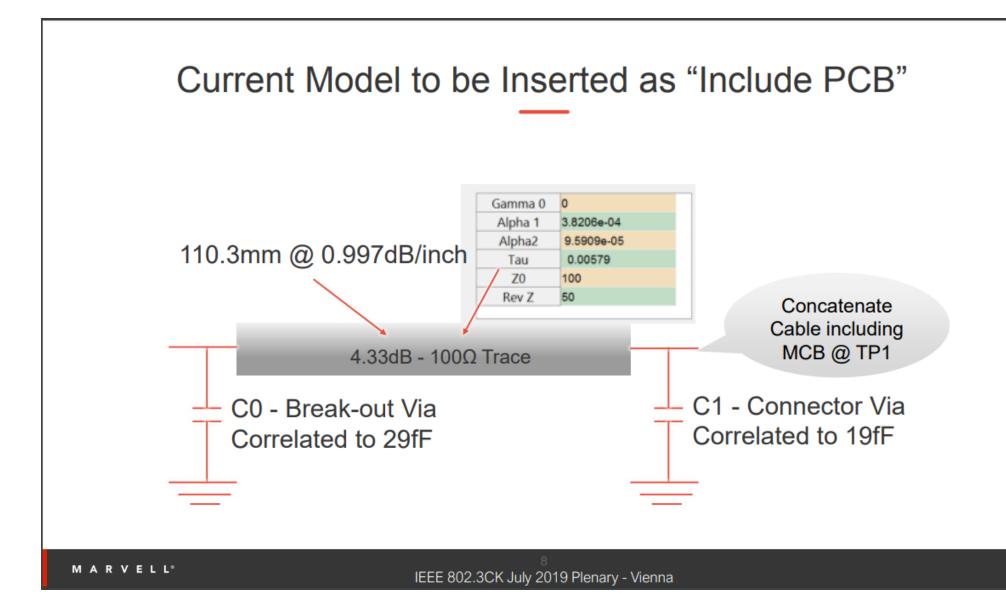
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These are open comment #16, #17, & #18 from Draft 1.0 – Cable Assembly COM

	Draft 1.1: Pg 160,	Ln 48	Comment #1001	6	
C/ 162 SC 162.11.7.1	P 153	L 28	# 16		
Mellitz, Richard	Samtec				
Comment Type TR Com	ment Status D				
Fill in Zp TBD's with data from	slide 8 of benartsi_3c	k_01a_0719.			
SuggestedRemedy					
Change Line 28ff to Equation (length and the parameter value representing an insertion loss of	s given in {new table]	, with the exc	ception that Zc is 100 O,		
Proposed Response Respo	onse Status 🛛 🛛 🛛 🛛 🛛 🗤				
PROPOSED ACCEPT IN PRIN	ICIPLE.				
Implement suggested remedy v	vith editorial license.		Draft 1.1: Pg 160, Ln 48		Comment #10017
	C/ 162 SC	62.11.7.1	P 153	L 28	# 17
	Mellitz, Richard		Samtec		
	Comment Type	TR	Comment Status D		
	add {new ta	ble for 93A tr	ansmission line with data from	n slide 8 of be	enartsi_3ck_01a_0719.
	SuggestedReme gamma0, a1		3206e-04 9.5909e-05]; tau=5.	790E-03 ns/n	nm
	Proposed Respo PROPOSED		Response Status W N PRINCIPLE.		
	Implement s	uggested rer	medy with editorial license.		

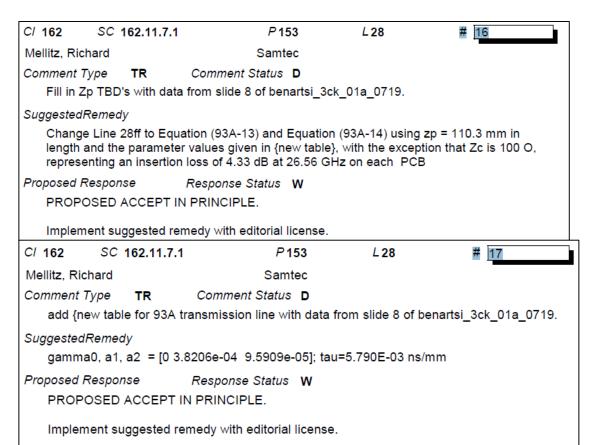






Discussion

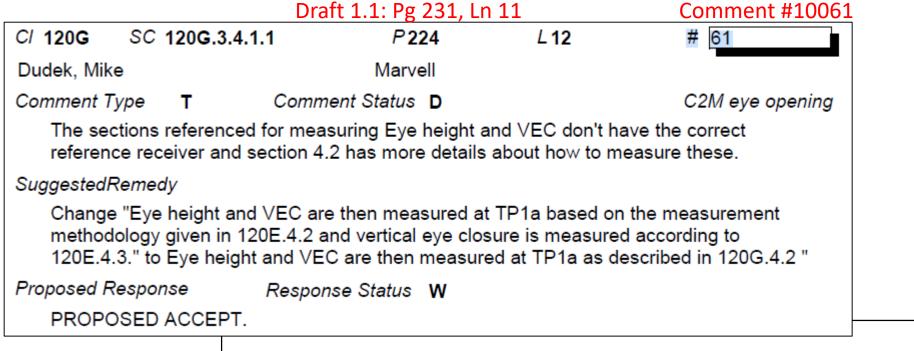
- Proposed response from Draft 1.0: Accept In Principle (AIP)
- Begin with Rich Mellitz as commenter, then proceed to queue



Discussion of Comments 10061, 10062

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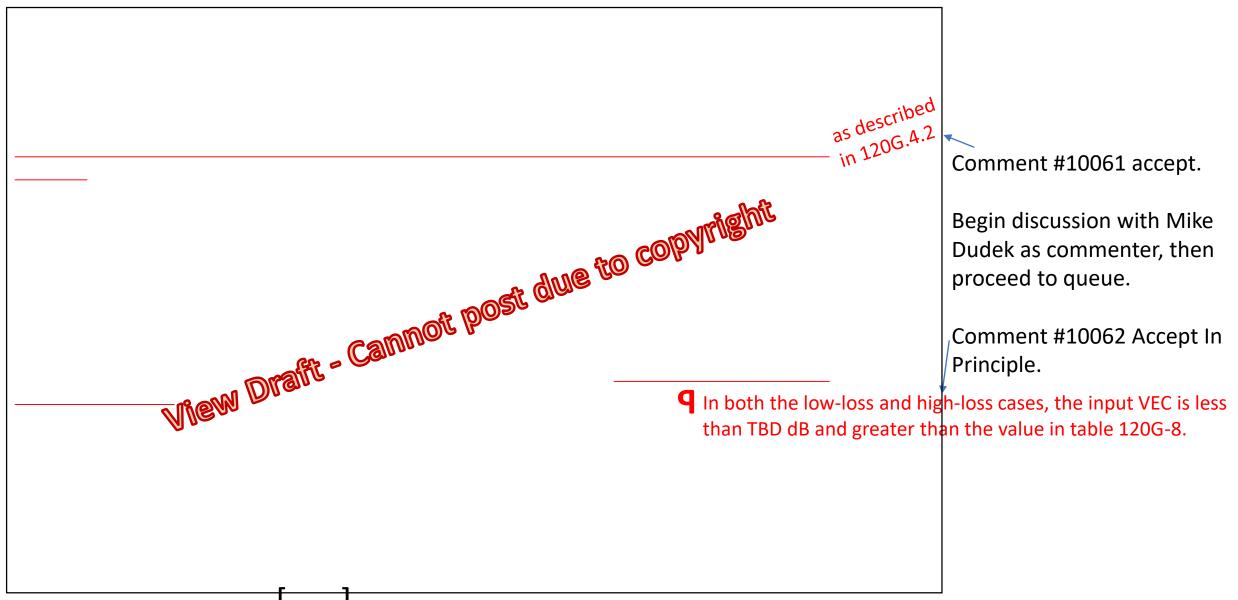
These are open comment #61, & #62 from Draft 1.0 – C2M Wording





	Draft 1.1: Pg 231, Ln	22	Comment #10062	
C/ 120G SC 120G.3.4	.1.1 P 224	L 22	# 62	
Dudek, Mike	Marvell			
Comment Type T	Comment Status D		C2M VEC	
Multiple presentations performance than just	have shown that the VEC at T the eye opening.	P1a is more	critical for end to end	
SuggestedRemedy				
beginnin with "In both the high and low loss	cation to Table 120G-8. Value cases" to a separate paragrap cases) and change it to "In bot an the value in table 120G-8	h (to emphas	is that it applies to both	
Proposed Response	Response Status W			
PROPOSED ACCEPT	IN PRINCIPLE.			
Move the sentence to	a new paragraph and change	to the followin	ig:	
"In both the low-loss a than the value in table	nd high-loss cases, the input \ 120G-8."		-	
The TBD value might	be chosen if the value in Table	: 120G-8 is al	so chosen.	copyright
For task force discuss	ion.			Anne to Cor
		vie	w Draft - Cannot I	post due to copyright



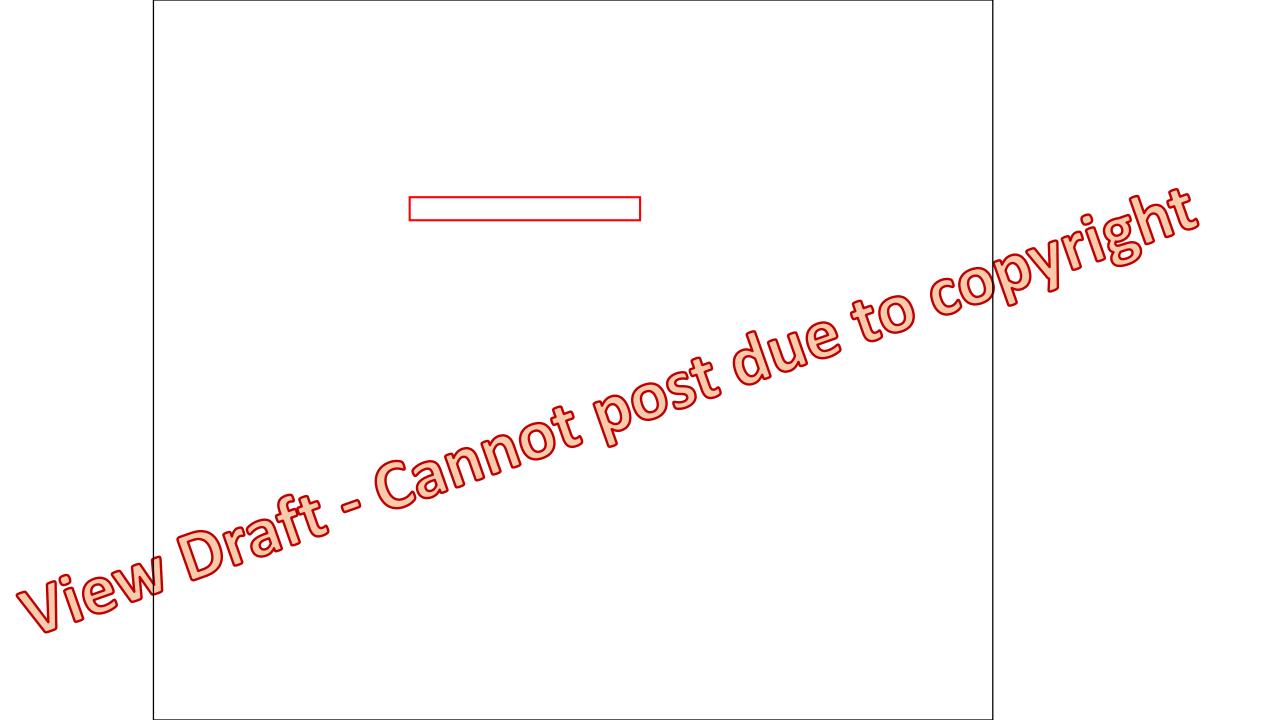


Discussion of Comments 10165, 10166

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These are open comment #165 & #166 from Draft 1.0 – C2M: Np/Dp Values

C/ 120G	SC	120G.4.2	P 226	L	24	# <u>1</u> 65					
Li, Mike			Intel		Draft 1.1: P	g 232, Ln 45	-				
Comment	Туре	TR	Comment Status D		Comment	t #10165					
"Dp eq	ual to	3" is not righ	nt as there are 3 pre-ta	aps for the h	ost						
Suggested	lReme	dy									
change	e "Dp	equal to 3" to	o ""Dp equal to 4".								
Proposed I	Respo	nse	Response Status W	/							
PROP	OSED	ACCEPT IN	PRINCIPLE.								
			itter equalization archi in that regard.	itecture is no	t specified so the	ere is no need					
			, in the second s			P					
			nse is intended only fo tra precision potentially		· ·	<u> </u>					
necess					· · ·	C/ 120G	SC 400	~ 4 0	Daac	1.04	# 400
On the	e other	hand, since	the measured data is	s filtered with	any of the comp	liant	SC 120	9.4.2	P 226	L24 Draft	# <u>166</u> 1.1: Pg 232, Ln 45
CTLE settings applied, a larger value may be required for some CTLE settings.		LI, MIKE			Intel Comment Status D		mment #10166				
Further	r evid	ence is requi	red to determine if any	y changes ar	e needed.	Comment "Np.ec			appripriate as UI becom		
For too	sk fore	e discussion				Suggested					
FULLAS	SKIUL		-				-	to "Np	equal to 400"		
See comment 166.				Proposed Response Response Status W							
						-	OSED REJ	ECT.			
						The Ke			and all familiate and in the state		hann an iting An aver
					The linear pulse fit is intended for determining the DFE sampling phase position. As such, the extra precision potentially gained by the larger Np value likely is not necessary. In fact,						
									luce the value without im		, , , , , , , , , , , , , , , , , , ,
Further					Further evidence is required to determine if any changes are needed.						
F					For tas	For task force discussion.					
						See co	mment 16	5.			



Discussion

- Proposed response from Draft 1.0: Don't change either number
- Begin with Mike Li as commenter, then proceed to queue

C/ 120G SC 120G.4.2 P226 L24 # 165					
Li, Mike Intel Draft 1.1: Pg 232, Ln 45					
Comment Type TR Comment Status D Comment #10165					
"Dp equal to 3" is not right as there are 3 pre-taps for the host	C/ 120G SC 120G.4.2 P226 L24 # 166				
SuggestedRemedy					
change "Dp equal to 3" to ""Dp equal to 4".	Li, Mike Intel Draft 1.1: Pg 232, Ln				
Proposed Response Response Status W	Comment Type TR Comment Status D Comment #10166				
PROPOSED ACCEPT IN PRINCIPLE.	"Np equal to 200" is not appripriate as UI becomes half in second.				
Uset and module transmitter equalization erabitecture is not excelled as there is no need	SuggestedRemedy				
Host and module transmitter equalization architecture is not specified so there is no need to match the parameters in that regard.	"Np equal to 200" to "Np equal to 400"				
	Proposed Response Response Status W				
The linear fit pulse response is intended only for determining the DFE sampling phase position. As such, the extra precision potentially gained by the larger Dp value may not be	PROPOSED REJECT.				
necessary.					
	The linear pulse fit is intended for determining the DFE sampling phase position. As such, the extra precision potentially gained by the larger Np value likely is not necessary. In fact, it may be possible to reduce the value without impact.				
On the other hand, since the measured data is filtered with any of the compliant CTLE settings applied, a larger value may be required for some CTLE settings.					
Further evidence is required to determine if any changes are needed.	Further evidence is required to determine if any changes are needed.				
For task force discussion.	For task force discussion.				
See comment 166.	See comment 165.				

Discussion of Comment 10144

Feb 26, 2020 Ad Hoc

These are open comment #144 from Draft 1.0 – C2M: Far-end ISI

Draft 1.1: Pg 224, Ln 5	0	Comment #10144	
C/ 120G SC 120G.3.2 P217	L 50	# 144	
Dawe, Piers Mellanox			
Comment Type TR Comment Status D			
Far-end pre-cursor ISI ratio has not been justified specs. Better to choose the reference receiver ta		the other C2M	
SuggestedRemedy			
Remove the row for far-end pre-cursor ISI ratio fro	m the table.		
Proposed Response Response Status W			
PROPOSED REJECT.			
The commenter has not provided sufficient eviden there was no evidence provided to justify inclusion specification includes EH and VEC, this might be	of this parameter. Give	en that the	53-62
For task force discussion.	Τ		Jul Stan
			a the copy
Discussion		Call	not post due to copyright
Proposed response from Draft 1.0:		aralit - Car	
Leave it as is	Revi	Dias	
	Wiles-		
Begin discussion with Piers Dawe as			
commenter, then proceed to queue.			

Discussion of Comment 10247

Feb 26, 2020 Ad Hoc

These are open comment #247 from Draft 1.0 – Copper Cable Adaptation During Operation

C/ 162	SC 162.8.11	P 138	L 32	# <u>2</u> 47
Ran, Adee		Intel	Draft 1	.1: Pg 135, Ln 34
Comment Ty	pe T	Comment Status D	Comme	ent #10247

The PMD control function as currently specified is only effective during start up.

Operation across a wide range of temperatures in some environments may cause slow changes in channel and device characteristics that may require occasional changes of the Tx equalization, preferably without link flaps. It would be good to enable doing it while the link is up.

In Data mode, the startup (training) protocol is inactive. We can specify that when mr_training_en set to 0, instead of exchanging the control and status fields through the protocol, these fields will be written to and read from management registers if MDIO is implemented. Management can relay the control and status fields to/from the link partner through higher level messaging (such as LLDP).

A detailed proposal is planned, but the requested addition in the PMD clauses is a subclause for behavior of the PMD control function when training is false (data mode).

SuggestedRemedy

Add the following paragraphs:

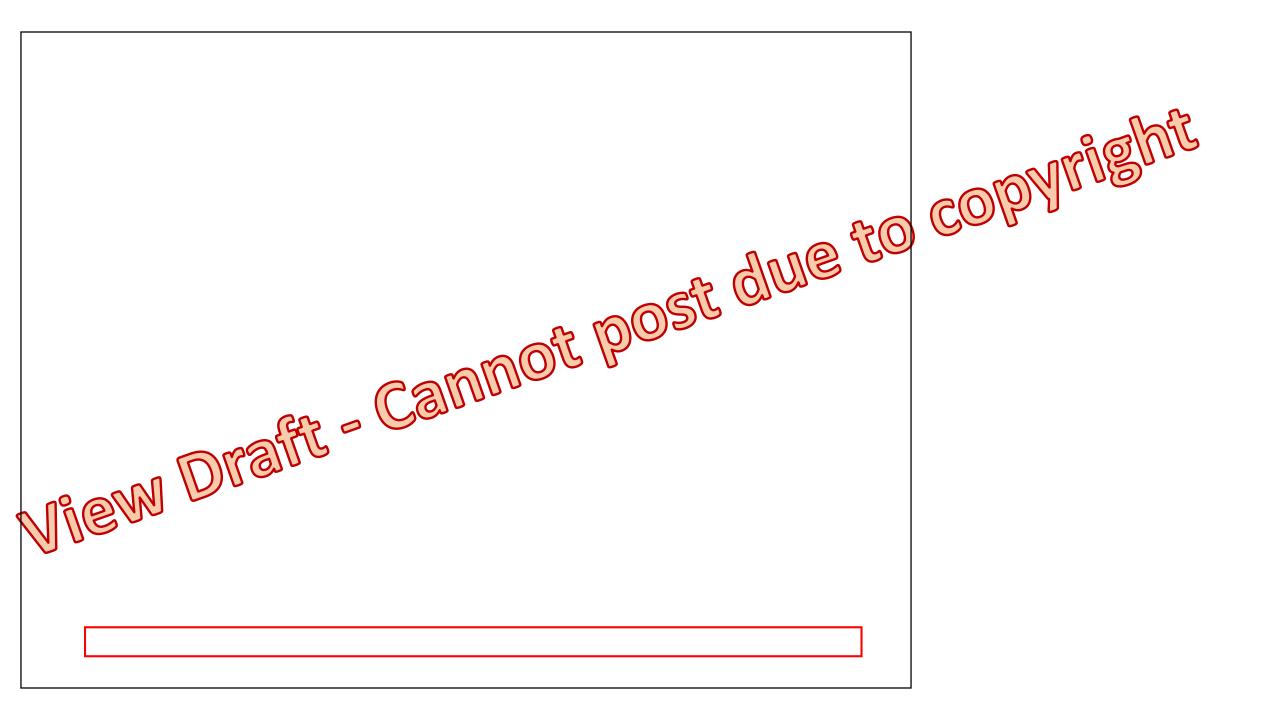
When the training variable is set to false (see 136.8.11.7.1), the PMD control function may optiionally continue using Equalization control as defined 136.8.11.4 in the SEND_DATA state, using MDIO registers or alternative methods to exchange control and status fields with the link partner instead of the training frame specified in 136.8.11.1.

NOTE--When training is false, any update to variables corresponding to a change of the Modulation and precoding request bits or the Initial condition request bits, or to setting the Coefficient request bits to "No equalization", can be disruptive to a network.

Proposed Response Response Status W

PROPOSED REJECT.

Comment alludes to a future proposal. Propose deferring discussion of this topic until the proposal is presented. Request that commenter use the ad hoc for this purpose.



Discussion

• Proposed response from Draft 1.0: Reject

Begin with Adee Ran as commenter, then proceed to queue

View Draft - Cannot post due to copyright Add the following paragraphs:

> When the training variable is set to false (see 136.8.11.7.1), the PMD control function may optiionally continue using Equalization control as defined 136.8.11.4 in the SEND DATA state, using MDIO registers or alternative methods to exchange control and status fields with the link partner instead of the training frame specified in 136.8.11.1.

> NOTE--When training is false, any update to variables corresponding to a change of the Modulation and precoding request bits or the Initial condition request bits, or to setting the Coefficient request bits to "No equalization", can be disruptive to a network.