C/ 120G	SC 120G.3.2	P 261	L 11	# 21
Dawe, Piers		Nvidia		
Comment Ty	be TR	Comment Status R		MO EH

D2.2 comment 93: If the eye height limit is the same at near end as at far end, there is huge margin at near end and the implementer is encouraged to optimise for far end or beyond, only limited by the NE VEC spec, while we want modules to be set up consistently, for the full range from near to far. EH is naturally much larger at NE than FE for a well set up output and the spec should reflect that. Also, host designers know their own loss and lower-loss hosts can take advantage of a better signal that cost the module nothing. This applies to both the short and long modes.

SuggestedRemedy

Change the near end eye height so that it is 2.5 dB above long far end: if far can remain at 15 mV, near becomes 20 mV. Far end remains the one with less margin. This would align with OIF VSR.

Response Response Status U

REJECT.

This comment pertains to the module output eye height (min) for long mode, near end.

The task force has previously considered substantively similar comments.

This comment is a restatement of comments Draft 2.1 #98 and Draft 2.2 #93. Both were rejected on the basis of insufficient evidence to make the proposed changes. The responses may be found in the following comment resolution reports:

https://www.ieee802.org/3/ck/comments/draft2p2/8023ck_D2p2_final_closedcomments_sor tedByNumber.pdf

https://www.ieee802.org/3/ck/comments/draft2p1/8023ck_D2p1_final_closedcomments.pdf

C/ 120G	SC 120G.3.3.5	.1 <i>P</i> 266	L 15	# 23
Dawe, Piers		Nvidia		
Comment Ty	be TR	Comment Status R		HI SI calibration

As pointed out in D2.2 comment 148, the host stressed input signal is emulating a module so must obey the same rules. VEC and eye height must be in spec for both near end and far end. So ensuring this is part of the calibration process.

SuggestedRemedy

Similar to D2.1 comment 126 published in July: change "short or long mode far-end test" to "short or long mode far-end calibration or long mode near-end calibration"

Response Response Status U

REJECT.

This comment pertains to the host input stressed input far-end test for long mode.

The task force has previously considered a substantively similar comment. This comment is a restatement of comment Draft 2.2 #148, which was rejected on the basis of insufficient evidence and insufficient detail to make the proposed changes. The response may be found in the following comment resolution report: https://www.ieee802.org/3/ck/comments/draft2p2/8023ck_D2p2_final_closedcomments_sor tedByNumber.pdf

There is insufficient evidence to make the proposed changes.

C/ 120G SC 120	G.3.3.5.2	P 267	L 20	# 25	C/ 120G	SC	120G.3.3.5	.2	P 267	L 21	# 26
Dawe, Piers		Nvidia			Dawe, Piers	6			Nvidia		
Comment Type T	R Commer	nt Status R		HO SI calibration	Comment 7	уре	TR	Comme	nt Status R		HI SI calibration
As pointed out in D2.2 comment 148, the host stressed input signal is emulating a module so must obey the same rules. VEC and eye height must be in spec for both near end and far end. So ensuring this is part of the calibration process. This says "parameters in Table 120G–5 for far-end host channel type and the requested			Ref. D2 near er The ho flaw in t	2.2 con nd and st stres the spe	nment 148. far end, so ssed input s ec.	The moc a module signal is tu	lule output eye h can be tuned to ined to far end, c	eight and VEC h either end or so only. This is inco	nave to comply at both mewhere in the middle. onsistent and a serious		
mode": but in one	case, the hear e	end needs a para	meter from the ta	adie	Suggested	Remed	ły				
SuggestedRemedy					Tighten	the ed	qualiser lim	its for mod	dule output so th	at modules are t	uned consistently
As in D2.1 comment 129 published in July: change to "parameters in Table 120G–5 for		across	the ind	dustry.							
host channel type	and the requeste	ed module outpu	t mode"		Response			Respons	e Status U		
Response	Response	e Status U			REJEC	т		. leopene			
REJECT.					NEUE0						
					The tas	k force	e has previo	ously cons	idered a substar	ntively similar co	mment.
The task force ha This comment is basis of insufficie implement the pr resolution report: https://www.ieeet tedByNumber.pd	s previously cons a restatement of nt evidence to ma oposed changes. 02.org/3/ck/comr	sidered a substar comment Draft 2 ake the proposed The response m ments/draft2p2/8	ntively similar con 2.2 #148, which w d changes and in ay be found in th 023ck_D2p2_fin	mment. vas rejected on the sufficient detail to he following comment val_closedcomments_sor	This co basis o implem resoluti https:// tedByN	mmen f insuff ent the on rep www.ie umber	t is a restat ficient evide proposed orts: eee802.org/ r.pdf	ement of ence to ma changes. 3/ck/comr	Draft 2.2 comme ake the proposed The response m nents/draft2p2/8	ent #148, which which which which which which we have a straight of the second in the second se	was rejected on the nsufficient detail to he following comment nal_closedcomments_sor

For this comment, the suggested remedy does not contain sufficient detail so that the task force can understand the specific changes that satisfy the comment.

C/ 120G SC 120G.3.	3.5.2 P 267	L 25	# 27	C/ 120G	SC 120G.5.2	P 277	L 6	# 35
Dawe, Piers	Nvidia			Dawe, Piers	6	Nvidia		
Comment Type TR	Comment Status R		HI SI calibration	Comment T	ype TR	Comment Status R		EO method
Ref. D2.2 comment 1- that its eye height is a table. If it fails, the sig near end VEC might b 4 (near, far, VEC and	18. The signal needs to be c t least the target and its VEC mal must be adjusted to brinn e worse than far; however it EH) to the targets.	thecked with the r c is no more than g it into complian may still be feasi	near end channel so VEC (max) in the ce. For short mode, ble to tune it to get 3 of	Ref D2. mask h althoug with ES 0.07 UI module	2 comment 101 eight = max(EH h it is described MW of 0.2 or 0. . This de-weigh would ever prov	: this draft has a (de-)weight min, EA/VECmax) and effec as a histogram 2x0.05 UI wi 22 UI. It's half as wide as Ti ted histogram might work if t huce a fast highly iittered ex	ed rectangular tive mask width de. This is too DECQ with hist here were a gu	eye mask spec with ~2x0.03 to 2x0.035 UI, narrow; compare 120E ograms extending to +/- arantee that no host or
SuggestedRemedy				we don	t have that guar	antee. That work needs to b	be done before	making such a hole in
Road-test the procedu	ire and revise the text per co	mment.		the spe	C.	of the bistogram with flat ton	and hattam ra	ther then charmforing
Response REJECT. The task force has pre This comment is a res basis of insufficient ev implement the propos resolution reports: https://www.ieee802.c tedByNumber.pdf For this comment, the force can understand	Response Response Status U REJECT. The task force has previously considered a substantively similar comment. This comment is a restatement of comment Draft 2.2 #148, which was rejected on the basis of insufficient evidence to make the proposed changes and insufficient detail to implement the proposed changes. The response may be found in the following comment resolution reports: https://www.ieee802.org/3/ck/comments/draft2p2/8023ck_D2p2_final_closedcomments_sor tedByNumber.pdf For this comment, the suggested remedy does not contain sufficient detail so that the task force can understand the specific changes that satisfy the comment.				animg the sides hers, means that noch, which is back the weight of sa will fail first so ective BER crite re. tribution of repe and an eye mask boundary are no ement. Eye ma opes for about 2 ell. Remedy e from a 4-corne ered unweighte -/-H*0.4, y. y is no k (EHmin, Eye.	of the histogram with hat top t infringing the corners by a f d. amples is in the middle of the we should focus on measurin rion of the (de-)weighted ma ated measurements is very s that's more eye shaped, so the measured at full weight and of losk measurement with a 10-so 0 years, we should use estal red weighted mask with corr d mask with corners at t = ts hear VCmid, VCupp or VClov Amplitude * 10/V-VECmax/2	e eye which is p og them, not the sk seems to be skewed. hat a higher pro- contribute propo- ided mask has blished tools an ers at t = ts+/-0. t/-1/16, ts+/-0.1 w (vertically floa)). Eve Amplit	the same as infringing pointless; we know the privation of the samples poportion of the samples privation of the samp
				AVlow, This sin unweig light of	as today. nple scalable m hted rectangular experience.	ethod gives VEC results 0.5 mask. It can remain as the	to 1 dB more o EH and VEC lir	ptimistic than the nits are revised in the
				Response		Response Status U		
				REJEC	т.			
				The tas	k force has prev	viously considered substantiv	ely similar cor	iments.
				This co D2.1 #1 two stra D2.2, w The res https://\ tedByN	mment is a rest 06 and D2.0 #1 aw polls demons hich is unchang ponses may be www.ieee802.or umber.pdf	atement of Draft 2.2 Comme 80), which were rejected on strated strong consensus to r ed in D2.3. found in the following comm g/3/ck/comments/draft2p2/80	nt #101 (which the basis of lac etain the meas ent resolution r 023ck_D2p2_fir	was a restatement of k of consensus. A set of urement method in eports: nal_closedcomments_sor

Comment ID 35

Page 3 of 9 2021-11-27 8:52:45 AM $https://www.ieee802.org/3/ck/comments/draft2p0/8023ck_D2p0_final_closedcomments_sortedByNumber.pdf$

-				
Cl 120G	SC 120G.5.2	P 277	L 6	# 36
Dawe, Piers	3	Nvidia		
Comment T	vpe TR	Comment Status R		EO method

D2.2 comment 95: the Gaussian weighting has the effect of destroying the histogram width, allowing bad fast eyes to pass, while giving the false impression that the histogram width still applies. With a weighting standard deviation of 0.02 UI, the eye height is measured at around +/-0.035 UI rather than the +/-0.05 UI in the previous draft - depending on eye shape. Compare 120E with ESMW of 0.2 or 0.22 UI, and TDECQ with histograms extending twice as wide, to +/-0.07 UI.

This weighting is equivalent to relaxing the VEC spec by 1.5 to 2 dB - but it depends on the eye shape, it weakens the spec most for the worst-shaped eyes, which is bad. It applies a worse BER criterion than the 1e-5 intended.

SuggestedRemedy

Remove the Gaussian weighting and set the eye height and VEC limits (which need revision anyway) appropriately. ghiasi_3ck_01_0721 which was not given the presentation time it deserved says that the minimum eye height in particular needs to be reduced for TP1 and TP4 far end.

Response

Response Status U

REJECT.

The task force has previously considered substantively similar comments.

This comment is a restatement of comment Draft 2.2 #95, which was rejected on the basis of lack of consensus. A set of two straw polls demonstrated strong consensus to retain the measurement method in D2.2, which is unchanged in D2.3.

The responses may be found in the following comment resolution reports:

https://www.ieee802.org/3/ck/comments/draft2p2/8023ck_D2p2_final_closedcomments_sor tedByNumber.pdf

Cl 120G	SC 120G.5.2	P 252	L 25	# 20178
Dawe, Piers		Nvidia		
Comment Ty	pe TR	Comment Status R		RR CTLE

As a lot of the channel for TP4 far-end is known exactly, one would expect that a known subset of gDC, gDC2 combinations would be the only candidates to try. As for TP1a, I believe the strongest gDC and gDC2 should add to a constant.

SuggestedRemedy

For Continuous time filter, DC gain for TP4 far-end (gDC), change to a set of limits that depend on gDC2 in the same style as for TP1a, with the strongest gDC and gDC2 adding to a constant. The allowed values should be a subset of those for TP1a.

Response	Response Status	U
100000		

REJECT.

The comment does not provide sufficient justification to support any changes and the suggested remedy does not provide sufficient detail to implement.

Cl 120G	SC 120G.5.2	P 252	L 16	# 20183
Dawe, Piers		Nvidia		
Comment Ty	be TR	Comment Status R		RR CTLE

The limits for TP4 gDC, gDC2 should not be the same for short and long output modes.

SuggestedRemedy

Create separate limits for TP4 short and long output modes.

Response	Response Status	U	
•			

REJECT.

The comment does not provide sufficient justification to support any changes and the suggested remedy does not provide sufficient detail to implement.

C/ 162	SC 162.11.7	P 171	L 31	# 20235
Dawe, Pie	rs	Nvidia		
Comment	Type TR	Comment Status R		CA COM DFE
The sp clipped than + don't r	bec allows a cha d at +/-0.05 - wh /-0.05 for all the need to provide a	nnel to have its COM calc ich means that the chann se 9 taps. That's a very ba all the receiver power and	culated with 9 taps in el's pulse response ad cable! and not lik complexity to cope	n the range 13 to 24 could be a little worse kely to get made. We with it.
Suggested	Remedy			
Use a 163 sp might	nother DFE root becifies the com differ.	-sum-of-squares limit for p plete channel while 162 us	positions 13-24. Sin ses clean synthetic	nilarly in 163, but as host traces, the limit
Response		Response Status U		
REJE The su the pro	CT. uggested remed oposed change	y does not provide sufficie would not cause new issue	ent evidence that thi es.	s is an issue and that
C/ 162	SC 162.11.7	P 183	L 39	# 21095
Dawe, Pie	rs	Nvidia		
Comment	Type TR	Comment Status R		COM bbgmax
The no make correc receive tap lim	ormalized DFE or sense that taps tly, the example er limits not hard nit if it makes up	coefficient minimum limit b 13 to 40 could be worse, - channels we have don't n d cable or channel limits a the COM another way, e.e	bmin for taps 3 to 1 -0.05. If I have und need this. (Rememb nyway; a cable or c g. with acceptable of	2 is -0.03. It doesn't erstood the data per, these are reference hannel can go beyond a crosstalk.)
Suggested	Remedy			
Chang	e bgmax 0.05 to	o bbgmax 0.05, bbgmax -0	0.03. Also in 163.	
Response		Response Status U		
REJE	CT.			
This c and D Hence	omment does no 2.0 or the unsati e it is not within t	ot apply to the substantive isfied negative comments he scope of the recirculati	changes between from the initial ballo on ballot.	IEEE P802.3ck D2.1 ot.
The fo	llowing presentation of <	ation showed that some ba	ackplane channels h	nad floating tap

https://www.ieee802.org/3/ck/public/19_09/heck_3ck_01_0919.pdf The comment does not provide an assessment of the impact to those channels. [Editor's note: CC: 162, 163]

Cl 120G	SC 120G.3.2	P 253	L 11	# 21097
Dawe, Piers		Nvidia		
Comment Tv	be TR	Comment Status R		MO VEC/EH

The driver swing has to be aggressively reduced from 600 mV pk-pk to deliver only 15 mV at near end, short mode, 120E has 70 mV, and D1.4 had 24 mV.

ghiasi_3ck_adhoc_01a_042121 shows 35 mV (before Vpkpk was reduced). Yet a host can usefully optimise for e.g. different crosstalk or noise if given a reasonable signal strength. A NIC has no high-loss ports so it can do this even if a switch won't. There is room to increase this weak signal without overloading the receiver. Also, making the limits more like reality encourages more consistent module setup across the industry.

SuggestedRemedy

Increase the eye height, short mode near end, by 1.1 dB from 15 mV to 17 mV

Response Response Status U

REJECT.

This comment pertains to the module output eye height (min) for short mode, near end.

The comment does not provide sufficient evidence that the proposed change is necessary.

C/ 120G	SC 120G.3.2	P 253	L 11	# 21098
Dawe, Piers		Nvidia		
Comment Typ	pe TR	Comment Status R		MO VEC/EH

If the eye height limit is the same at long near end as at long far end, there is huge margin at near end and the implementer is encouraged to optimise for far end or beyond, only limited by the NE VEC spec, while we want modules to be set up consistently, for the full range from near to far. EH is naturally larger at NE for a well set up output.

SuggestedRemedy

Increase the eye height, long mode near end, by 3 dB from 15 mV to 21 mV

Response Response Status U

REJECT.

This comment pertains to the module output eye height (min) for long mode, near end.

The comment does not provide sufficient evidence that the proposed change is necessary.

C/ 120G	SC	120G.5.2	P 2	65	L 16	# 21103	
Dawe, Piers	6		Nvidia	l			
Comment T	ype	TR	Comment Status	R		RR gdc	
The lim	its for	TP4 gDC,	gDC2 should not be	the	same for short and	d long output modes.	
SuggestedF	Reme	dy					
Create style of	separ TP1a	ate limits fo	or TP4 short and lon	g ou	tput modes, so 4 s	ets for TP4+, in the	
Response			Response Status	U			
REJEC	Т.						
This con insuffici used for The cor the sug	mmei ent ju r TP1 nmer geste	nt is a resta Istification a a but does It does not j d remedy p	tement of D2.0 com ind detail. It adds re not provide specific provide sufficient jus rovide sufficient det	men ques valu stifica ail to	It #179, which was st to provide 4 sets les. No further justi ation for the propose implement.	rejected on the basis of of values in the style fication is provided. sed changes nor does	
C/ 120G	SC	120G.5.2	P 2	65	L 25	# 21104	
Dawe, Piers	6		Nvidia	l			
Comment T	ype	TR	Comment Status	R		RR gdc	
As a lot less tha ones. A	As a lot of the channel for TP4 far-end is known exactly and the max loss to TP4 far end is less than to TP1a, the range of gDC, gDC2 combinations should be a subset of the TP1a ones. As for TP1a, I believe the strongest gDC and gDC2 should add to a constant.						
SuggestedF	Reme	dy					
For Cor depend to a cor	ntinuo on gl nstant	us time filte DC2 in the s . The allow	er, DC gain for TP4 f same style as for TF red values should be	ar-e P1a, e a s	nd (gDC), change with the strongest subset of those for	to a set of limits that gDC and gDC2 adding TP1a.	
Response			Response Status	U			
REJEC This con insuffici provide The cor the sug	T. ent ju d. nmer geste	nt is a resta stification a nt does not j d remedy p	tement of D2.0 com ind detail. No furthe provide sufficient jus rovide sufficient det	men r just stifica ail to	It #178, which was tification or implem ation for the propos implement.	rejected on the basis of entation detail is sed changes nor does	

C/ 162	SC 162.11.7	P 191	L 39	# 22090
Dawe, Piers		Nvidia		
Comment Tv	pe TR	Comment Status R	(COM DFE bamax/min (CC)

The normalized DFE coefficient minimum limit bbmin for taps 3 to 12 is -0.03. It doesn't make sense that taps 13 to 40 could be worse. -0.05. I know of only example channel with a tap like this. Remember, these are reference receiver limits not hard cable or channel limits anyway: a cable or channel can go beyond a tap limit if it makes up the COM another way, e.g. with acceptable crosstalk. In the case of Bch2_b2p5_7_t, reducing |bmaxg| from 0.05 to 0.03 increases COM by less than 0.1 dB, and the channel still passes comfortably. In this example, there were no taps that would be affected by reducing +ve bomax from 0.05 to 0.03: one -ve tap was limited.

SuggestedRemedy

Change bgmax 0.05 to bbgmax 0.05, bbgmin -0.03. Also in 163.

Response Response Status U

REJECT.

This is a restatement of comment #95 against D2.1 which was rejected by the task force due to insufficient supporting evidence. Some new information on the analysis of one channel is provided, but this is insufficient evidence to support the proposed changes. [Editor's note: CC: 162, 163]

C/ 162	SC 162.11.7	P 191	L 38	# 22091
Dawe, Piers		Nvidia		
Comment Typ	be TR	Comment Status R		COM DFE RSS (CC)

Comment Type TR Comment Status R

The spec allows a cable to have its COM calculated with 9 taps in the range 13 to 24 clipped at +/-0.05 - which means that the channel's pulse response could be worse than +/-0.05 for all these 9 taps. That's a very bad cable! and not likely to get made: there won't be that many reflections in the same area. (Remember, these are reference receiver limits not hard cable limits anyway; a cable can go beyond a tap limit if it makes up the COM another way, e.g. with acceptable crosstalk.)

We don't need to provide all the receiver power and complexity to cope with unreasonably bad cables.

SuggestedRemedy

Use another DFE root-sum-of-squares limit for positions 13-24. A limit of 0.045 works well with Bch2 b2p5 7 t. Similarly in 163.

Response Response Status U

REJECT.

This is a restatement of comment #96 against D2.1 which was rejected by the task force due to incomplete remedy and insufficient analysis. This new comment provides some new. but unsubtantiated information. [Editor's note: CC: 162,163]

C/ 120G	SC 120G.3.2	P 26	64	L 11	# 2209	3
Dawe, Piers		Nvidia	ì			
Comment Ty	be TR	Comment Status	R			MO EH

If the eye height limit is the same at long near end as at long far end, there is huge margin at near end and the implementer is encouraged to optimise for far end or beyond, only limited by the NE VEC spec, while we want modules to be set up consistently, for the full range from near to far. EH is naturally larger at NE than FE for a well set up output and the spec should reflect that. Host designers know their own loss and medium-loss hosts can take advantage of a better signal that cost the module nothing.

SuggestedRemedy

Change the eye height, long near end, so that it is 3 dB above long far end, e.g. 15 mV (far) and 21 mV (near) if long far is not changed. 3 dB is about half the loss from long near end to long far end, so long far end remains the harder one to meet.

Response

Response Status U

REJECT.

This comment is a restatement of D2.1 comment #98, for which there was no consensus to make the proposed changes.

The intent of specifications is to enforce what is necessary not what is possible. However, as this comment states, a long-mode host might be able to take advantage of the extra eye height.

There is insufficient evidence to make the proposed changes.

C/ 120G	SC 120G.5.2	P 27	79	L 43	# 22095
Dawe, Piers		Nvidia			
Comment Ty	pe TR	Comment Status	R		EO mask

The Gaussian weighting has the effect of destroying the histogram width, allowing bad fast eyes to pass, while giving the impression that the histogram width still applies. With a weighting standard deviation of 0.02 UI, the eye height is measured at around +/-0.03 UI rather than the +/-0.05 UI in the previous draft. Compare 120E with ESMW of 0.2 or 0.22 UI.

SuggestedRemedy

Remove the Gaussian weighting and set the eye height and VEC limits (which need revision anyway) appropriately.

Response Response Status U

REJECT.

The current method of determining eye height and VEC using a weighted window was introduced in D2.2 based on approved D2.1 comment #39. A final straw poll indicated acceptance of the response with a ratio (yes:no) of 21:11.

Per straw poll #9 and #10 there is no consensus to change the measurement method.

--- the following added 2021/10/4 ---

Straw poll #9 (pick one) Straw poll #10 (chicago) (direction) I support the following method of determining eye height and VEC: A: weighted window per Draft 2.2 (no change) B: weighted window per Draft 2.2, except increase standard deviation C: unweighted window per Draft 2.1 (perhaps with different width) D: mask per D2.2 comment #101 #9: A: 17 B: 5 C: 6 D: 2 #10 A: 22 B: 12 C: 7 D: 3

C/ 120G	SC 120G.5	.2 P 277	L 38	# 22098	C/ 120G	SC 120G.5.2	2 P 277	L 46	# 22099		
Dawe, Pie	rs	Nvidia			Dawe, Pier	6	Nvidia				
Comment	Type TR	Comment Status A		EO RR gdc	Comment	ype TR	Comment Status R		EO RR gdc		
The limits for TP4 gDC, gDC2 should not be the same for short and long output modes. Obviously, different channels will need different CTLE settings. Obviously, CTLE settings that only signals outside what the spec is designed for use, should be excluded, to make implementers set up their product correctly.					As a lot of the channel for TP4 far-end is known exactly and the max loss to TP4 far end is less than to TP1a, the range of gDC, gDC2 combinations should be a subset of the TP1a ones.						
SuggestedRemedy					For Co	ntinuous time fi	lter DC gain for TP4 far-end	l (gDC) change t	o sets of limits that		
Create style o numbe	e separate limit of TP1a. If you ers in each set	s for TP4 short and long o don't have any better num - but see another commer	utput modes, so 4 s bers, create them a it.	ets for TP4+, in the nyway with the same	depend those f TP1a;	I on gDC2 in the or TP1a. For T or TP4 short fa	e same style as for TP1a. T P4 long far end, use minimu r end, 3 dB higher than for T	The allowed value Im gDC 1 dB high TP1a.	is should be subsets of her than allowed for		
Response		Response Status U			Response		Response Status U				
ACCE	PT IN PRINCII	PLE.			REJEC	T.					
This c were r	omment is a re ejected on the	estatement of D2.1 comme basis of providing insufficient	nt #103 and D2.0 c ent justification and	omment #183, which detail.	This comment is a restatement of D2.1 comment #104 and D2.0 comment #178, which were rejected on the basis of providing insufficient justification and detail.						
This c	omment provid	les expanded justification.			This co	mment provide	s no new justification, but do	oes provide more	details for		
Slides task fo	7, 8, 11, 12 of	the following presentation	for a representation	we reviewed by the	implementation.						
https:/	/www.ieee802.	org/3/ck/public/21_09/koch	nuparambil_3ck_01	o_0921.pdf							
Slides impler	7, 8, and 11 o nented.	f kochuparambil_01b provi	de a view the sugge	ested remedy if							
There	was no conser	nsus to provide separate g	dc specifications for	long and short modes.							
Howe	/er, some relat	ed editorial changes as fol	lows are an improve	ement to the draft.							
Update slide 1	e style of the T 2 of kochupara	P4 gdc specifications in Ta ambil_01b. Include similar	able 120G-11 as sh changes for g_dc2.	own in the referenced							
Impler	nent with edito	rial license.									

	30	2.3ck D2.3 100	/200/400 Gb/s	Electrical Interfaces
C/ 120G	SC 120G.3.3.5.2	P 270	L 22	# 22148
Dawe, Piers	6	Nvidia		
Comment T	ype TR Comm	ent Status R		HI SI method
The hos and eye adjusted in spec near en	st stressed input signal is a height must be in spec f d to minimise VEC for bo at near end. The eye he d.	emulating a modu or both near end a th, or possibly to m ight should match	le so must obey t nd far end. The s inimise VEC for f the target at far e	he same rules. VEC signal should be ar end while keeping nd and be graeter at
SuggestedF	Remedy			
This pro issues".	ocedure needs road-testin In the meantime, add te	ng before the draft ext to the draft to ex	can be said to be cplain more fully v	"without technical what the procedure is.
Response	Respor	ise Status U		
REJEC	Т.			
ltem g) 120G-8 measur	instructs that the eye hei . Table 120G-8 provides	ght of the smallest only one value to b	eye match the ta e used for both n	rget value in Table ear-end and far-end
Item g) one ran measur	instructs that VEC is with ge (with maximum and m	in the limits in Tab inimum) to be use	le 120G-8. Table d for both near-er	120G-8 provide only nd and far-end
The mo far-end.	dule output specifications	s for eye height and	d VEC are the sar	ne for near-end and
The cor suggest	nment does not provide s ted remedy does not prov	sufficient evidence vide sufficient detai	to support the pro I to implement.	pposed changes. The
This pro issues". Response REJEC Item g) 120G-8 measur Item g) one ran measur The mo far-end. The cor suggest	becedure needs road-testin In the meantime, add to Respor T. instructs that the eye hei Table 120G-8 provides ements. instructs that VEC is with ge (with maximum and mements. dule output specifications mment does not provide sted remedy does not pr	ng before the draft ext to the draft to ex- ise Status U ght of the smallest only one value to b in the limits in Tab inimum) to be use s for eye height and sufficient evidence <i>i</i> de sufficient detai	can be said to be cplain more fully v eye match the ta e used for both n le 120G-8. Table d for both near-er d VEC are the sar to support the pro to implement.	"without technical vhat the procedure is ear-end and far-end 120G-8 provide only nd and far-end me for near-end and oposed changes. The