

# E 802.3dk D2.3 Bidirectional 100Gb/s Optical Access PHYs 3rd Working Group recirculation ballot comment

<b>CI</b>	<b>Content</b>	<b>SC</b>	<b>Contents</b>	<b>P13</b>	<b>L3</b>	<b>#</b>	<b>1</b>
	Dawe, Piers		Nvidia				
<b>Comment Type</b>	<b>E</b>		<b>Comment Status</b>	<b>A</b>			<i>editorial (Late)</i>
	Layout						
<b>SuggestedRemedy</b>							
	Missing white space after each clause number						
<b>Response</b>			<b>Response Status</b>	<b>C</b>			
	ACCEPT.						

<b>CI</b>	<b>45</b>	<b>SC</b>	<b>45.2.1.145a</b>	<b>P24</b>	<b>L7</b>	<b>#</b>	<b>2</b>
	Dawe, Piers		Nvidia				
<b>Comment Type</b>	<b>E</b>		<b>Comment Status</b>	<b>A</b>			<i>editorial (Late)</i>
	Some interfaces have mandatory precoding ability without this bit. This is likely to cause confusion unless explained.						
<b>SuggestedRemedy</b>							
	Similarly to 45.2.1.117.7a, insert: This register applies to 100GBASE-BRx.						
<b>Response</b>			<b>Response Status</b>	<b>C</b>			
	ACCEPT IN PRINCIPLE. Add "PMA Tx precoding ability bit applies to 100GBASE-BRx" in 45.2.1.145a.1. Add "PMA Rx precoding ability bit applies to 100GBASE-BRx" in 45.2.1.145a.2. Implement with editorial license.						

<b>CI</b>	<b>56</b>	<b>SC</b>	<b>56.1.3</b>	<b>P26</b>	<b>L1</b>	<b>#</b>	<b>3</b>
	Dawe, Piers		Nvidia				
<b>Comment Type</b>	<b>E</b>		<b>Comment Status</b>	<b>A</b>			<i>editorial (Late)</i>
	802.3cp has been absorbed into 802.3-2022						
<b>SuggestedRemedy</b>							
	Delete "(as modified by IEEE Std 802.3cp-2022)" in 3 places						
<b>Response</b>			<b>Response Status</b>	<b>C</b>			
	ACCEPT. Implement suggested remedy with editorial license.						

<b>CI</b>	<b>56</b>	<b>SC</b>	<b>56.1.3</b>	<b>P26</b>	<b>L11</b>	<b>#</b>	<b>4</b>
	Dawe, Piers		Nvidia				
<b>Comment Type</b>	<b>E</b>		<b>Comment Status</b>	<b>A</b>			<i>editorial (Late)</i>
	Two ... fiber						
<b>SuggestedRemedy</b>							
	Two ... fibers (3 times) as in the base standard						
<b>Response</b>			<b>Response Status</b>	<b>C</b>			
	ACCEPT. Implement suggested remedy with editorial license.						

<b>CI</b>	<b>56</b>	<b>SC</b>	<b>56.1.3</b>	<b>P30</b>	<b>L29</b>	<b>#</b>	<b>5</b>
	Dawe, Piers		Nvidia				
<b>Comment Type</b>	<b>E</b>		<b>Comment Status</b>	<b>A</b>			<i>quick review (Late)</i>
	If this table includes 161 RS-FEC-Int						
<b>SuggestedRemedy</b>							
	Perhaps it should include 152 Inverse RS-FEC also						
<b>Response</b>			<b>Response Status</b>	<b>C</b>			
	ACCEPT IN PRINCIPLE. Add CL152 in Table 56-2 with editorial license.						

<b>CI</b>	<b>80</b>	<b>SC</b>	<b>80.1.5</b>	<b>P34</b>	<b>L20</b>	<b>#</b>	<b>6</b>
	Dawe, Piers		Nvidia				
<b>Comment Type</b>	<b>E</b>		<b>Comment Status</b>	<b>A</b>			<i>editorial (Late)</i>
	Some of what is shown in blue in the diff version seems to be the same as in D2.2.						
<b>SuggestedRemedy</b>							
<b>Response</b>			<b>Response Status</b>	<b>C</b>			
	ACCEPT. Implement with editorial license. (D2.1 Comment #113.)						

E 802.3dk D2.3 Bidirectional 100Gb/s Optical Access PHYs 3rd Working Group recirculation ballot comment

CI 91 SC 91.7.4.1 P42 L10 # 7  
Dawe, Piers Nvidia  
Comment Type E Comment Status A editorial (Late)  
TF10 has KR4 not KP4  
SuggestedRemedy  
Change KP4 back to KR4, once  
Response Response Status C  
ACCEPT.

CI 135 SC 135.6 P5287 L # 8  
Dawe, Piers Nvidia  
Comment Type E Comment Status A quick review (Late)  
In Table 135-3, MDIO/PMA status variable mapping  
SuggestedRemedy  
Insert new rows:  
MDIO status variable PMA/PMD register name Register/bit number PMA status variable  
PMA Rx precoding ability PMA precoding ability 1.607.1 Rx\_precoding\_ability  
PMA Tx precoding ability PMA precoding ability 1.607.0 Tx\_precoding\_ability  
Response Response Status C  
ACCEPT.  
Implement suggested remedy with editorial license.

CI 161 SC 161 P52 L1 # 9  
Dawe, Piers Nvidia  
Comment Type E Comment Status A editorial (Late)  
Should say that Clause 161 was added by 802.3ck  
SuggestedRemedy

Response Response Status C  
ACCEPT IN PRINCIPLE.  
Change two editing instruction to:  
Change Table 161-2 (as added by IEEE Std 802.3ck-2022) as follows (additional unchanged rows not shown):  
Insert new subclauses 161.6.10a after 161.6.10 (as added by IEEE Std 802.3ck-2022) as follows:

CI 161 SC 161 P52 L10 # 10  
Dawe, Piers Nvidia  
Comment Type E Comment Status A editorial (Late)  
stauts  
SuggestedRemedy  
status  
Response Response Status C  
ACCEPT.

CI 168 SC 168.7.5 P65 L8 # 11  
Dawe, Piers Nvidia  
Comment Type T Comment Status R technical (Late)  
This says "there's a proposal to add the maximum tap weight for the tap immediately after the largest tap: max 0.07 in CL 168.7.5.". chaye\_b\_3dj\_01\_2505 slide 8 shows that a very asymmetric signal can pass all the specs and still be troublesome to receive. P802.3dj D2.0 comment 392 proposes "The absolute difference between c(-1) and c(1) shall be less than 0.3". However, ordinary filtering effects (pulses decay slower than they build up) can cause the optimum setting for the tap immediately after the largest tap to be more negative than the one immediately before; this is expected. Having the tap before at -0.2 and the tap after at +0.1 would be more undesirable than the reverse.  
SuggestedRemedy  
Add two specs:  
Tap weight for the tap immediately after the largest tap: max 0.08. (Typically this tap would be -ve)  
-0.3 <= (tap after - tap before) <= 0.15  
Response Response Status C  
REJECT.  
No consensus was reached to make a change, commentor is invited to submit a comment during the SA ballot.

CI 168 SC 168.10.1 P72 L7 # 12  
Dawe, Piers Nvidia  
Comment Type E Comment Status A quick review (Late)  
Note b about dispersion doesn't relate to the insertion loss row.  
SuggestedRemedy  
Remove the b after Channel insertion loss a,  
Response Response Status C  
ACCEPT IN PRINCIPLE.  
Remove note b from channel insertion loss row, and add note b to all dispersion rows.

# E 802.3dk D2.3 Bidirectional 100Gb/s Optical Access PHYs 3rd Working Group recirculation ballot comment

<b>Cl TOC</b>	<b>SC TOC</b>	<b>P14</b>	<b>L24</b>	<b>#</b> <b>13</b>
Simms, William		NVIDIA		
<b>Comment Type</b>	<b>ER</b>	<b>Comment Status</b>	<b>A</b>	<i>editorial</i>
Typo, no space between "networksPhysical"				
<b>SuggestedRemedy</b>				
Change to "networks Physical" Medium Attachment...				
<b>Response</b>		<b>Response Status</b>	<b>C</b>	
ACCEPT IN PRINCIPLE.				
Delete "Introduction to 50 Gb/s networks" in the CL135 title in the content.				

<b>Cl TOC</b>	<b>SC TOC</b>	<b>P13</b>	<b>L12</b>	<b>#</b> <b>14</b>
Simms, William		NVIDIA		
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>R</b>	<i>quick review</i>
Possible Typo aMAUType				
<b>SuggestedRemedy</b>				
Change from aMAUType to: MAU Type				
<b>Response</b>		<b>Response Status</b>	<b>C</b>	
REJECT.				
Subclause title of 30.5.1.1.2 in the IEEE 802.3 base standard is: aMAUType.				

<b>Cl 30</b>	<b>SC 30..5.1.1.2</b>	<b>P18</b>	<b>L10</b>	<b>#</b> <b>15</b>
Simms, William		NVIDIA		
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>R</b>	<i>editorial</i>
aMAUType				
<b>SuggestedRemedy</b>				
Change from aMAUType to: MAU Type				
<b>Response</b>		<b>Response Status</b>	<b>C</b>	
REJECT.				
See comment #14.				

<b>Cl 45</b>	<b>SC 45.2.1.145a</b>	<b>P24</b>	<b>L23</b>	<b>#</b> <b>16</b>
Simms, William		NVIDIA		
<b>Comment Type</b>	<b>E</b>	<b>Comment Status</b>	<b>A</b>	<i>editorial</i>
order of the bits should be 1.607.1 and then 1.607.0.				
<b>SuggestedRemedy</b>				
Suggest to flip 45.2.1.145a.1 and 45.2.1.145a.2 to make the order 1.607.1 followed by 1.607.0 to be consistent with other parts of the spec				
<b>Response</b>		<b>Response Status</b>	<b>C</b>	
ACCEPT IN PRINCIPLE.				
Implement suggested remedy with editorial license.				

<b>Cl 135</b>	<b>SC 135.5.7.2</b>	<b>P44</b>	<b>L24</b>	<b>#</b> <b>17</b>
Simms, William		NVIDIA		
<b>Comment Type</b>	<b>ER</b>	<b>Comment Status</b>	<b>A</b>	<i>editorial</i>
typo: 1/(1+D) mode 4				
<b>SuggestedRemedy</b>				
substitute 1/(1+D) mod 4				
<b>Response</b>		<b>Response Status</b>	<b>C</b>	
ACCEPT.				

<b>Cl Introduc</b>	<b>SC Introduction</b>	<b>P12</b>	<b>L3</b>	<b>#</b> <b>18</b>
Lewis, Jon		Dell Technologies		
<b>Comment Type</b>	<b>ER</b>	<b>Comment Status</b>	<b>A</b>	<i>editorial</i>
The first line states that Amendment 11 "adds Clause ." but doesn't include the clause				
<b>SuggestedRemedy</b>				
Change the end of the first sentence to "adds Clause 168."				
<b>Response</b>		<b>Response Status</b>	<b>C</b>	
ACCEPT.				