

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

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

Cl	45	SC	45.2.1.145a	P24	L7	#	2
Dawe, Piers			Nvidia				
Comment Type	E		Comment Status	D			<i>editorial (Late)</i>
Some interfaces have mandatory precoding ability without this bit. This is likely to cause confusion unless explained.							
SuggestedRemedy							
Similarly to 45.2.1.117.7a, insert: This register applies to 100GBASE-BRx.							
Proposed Response			Response Status	Z			
PROPOSED REJECT.							
This comment was WITHDRAWN by the commenter.							

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

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

Cl	56	SC	56.1.3	P30	L29	#	5
Dawe, Piers			Nvidia				
Comment Type	E		Comment Status	D			<i>quick review (Late)</i>
If this table includes 161 RS-FEC-Int							
SuggestedRemedy							
Perhaps it should include 152 Inverse RS-FEC also							
Proposed Response			Response Status	Z			
PROPOSED REJECT.							
This comment was WITHDRAWN by the commenter.							

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

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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 D 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
 Proposed Response Response Status Z
 PROPOSED REJECT.
 This comment was WITHDRAWN by the commenter.

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 instructions 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". chayeb_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 D quick review (Late)
 Note b about dispersion doesn't relate to the insertion loss row.
 SuggestedRemedy
 Remove the b after Channel insertion loss a,
 Proposed Response Response Status Z
 PROPOSED REJECT.
 This comment was WITHDRAWN by the commenter.

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

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

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

Cl 45	SC 45.2.1.145a	P24	L23	# 16
Simms, William		NVIDIA		
Comment Type	E	Comment Status	A	<i>editorial</i>
order of the bits should be 1.607.1 and then 1.607.0.				
SuggestedRemedy				
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				
Response	Response Status C			
ACCEPT IN PRINCIPLE.				
Implement suggested remedy with editorial license.				

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

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