C/ 45	SC 45.2.1.6	P 21	L 21	# 1	Cl 45	SC 45	5.2.1.20	P 22	L 38	# 2	
Anslow, F	Pete	Independent			Anslow, Pe	ete		Independent			
Comment	t Type TR	Comment Status D		Bucket	Comment	Туре -	TR	Comment Status D			Bucke
The draft shows : 1 1 0 1 0 0 0 = 400GBASE-SR4 PMA/PMD 1 1 0 0 1 1 1 = 400GBASE-VR4 PMA/PMD 1 1 0 0 1 1 0 = 200GBASE-SR2 PMA/PMD 1 1 0 0 1 0 1 = 200GBASE-VR2 PMA/PMD 1 1 0 0 1 0 1 = 200GBASE-VR2 PMA/PMD 1 1 0 0 1 0 = 100GBASE-SR PMA/PMD but four of these choices are already allocated to other PMD types: 1 1 0 1 0 0 0 is 10GBASE-BR20-D in P802.3cp 1 1 0 0 1 1 1 is 10GBASE-BR10-D in P802.3cp 1 1 0 0 1 1 1 is not currently allocated 1 1 0 0 1 0 1 is not currently allocated 1 1 0 0 1 0 is not currently allocated 1 1 0 0 1 0 is 400GBASE-ZR in P802.3cw				1.23.8 1.23.7 But the 1.23.8 1.23.7 Suggested Chang 1.23.1 1.23.9 Proposed	200GBA 200GBA <i>Remedy</i> ge the allo 0 200GBA 200GBA	SE-SR2 a SE-VR2 a ine alread SE-CR2 a SE-KR2 a ocation to ASE-SR2 SE-VR2 a e	ability y allocated in P802.3ck to: ability ability : 2 ability				
	ems that a better so by P802.3cp	olution would be to put all six	new PMDs toge	ther above the block	C/ 45	SC 45	5.2.1.21	P 23	L 23	# 3	
Suggeste	dRemedy				Anslow, Pe	ete		Independent			
1 1 1 1 1 1 1 1 1	1 1 0 1 = 400GBA 1 1 0 0 = 200GBA 1 0 1 1 = 200GBA	o: SE-SR4 PMA/PMD SE-VR4 PMA/PMD SE-SR2 PMA/PMD SE-VR2 PMA/PMD SE-SR PMA/PMD			1.24.1 But th	raft shows 1 400GB/	ASE-VR4 ready allo	ocated in P802.3cw_to:			Bucke
111					Suggested	dRemedy					
	1 0 0 1 = 100GBA				Tomo		usual ind	creasing reach with bit numbe	er, change the	allocations to:	
111 Proposed	1 0 0 1 = 100GBA I Response POSED ACCEPT.	Response Status W			1.24.1	3 400GB/ 2 400GB/	ASE-SR4	l ability	-		
111 Proposed	l Response				1.24.1	3 400GB/ 2 400GB/	ASE-SR4 ASE-VR4	l ability	-		

Comment ID 3

C/ 45 SC 45.2.1	.21a P24	L 9	# 4	C/ 167 S	SC 167.7.3	P 41	L 24	# <u>7</u>
nslow, Pete	Independent			Bruckman, Leo	on	Huawei		
Comment Type T	Comment Status D		Bucket	Comment Type	e E	Comment Status D		
The draft shows : 1.26.11 100GBASE	5				ary text "cable clause in 802	d optical" in Note b. I believe 3cu	e this text has be	en removed also in
× 0 1	ne allocations was previously ma	de for TUUGBA	SE-SR addity as 1.26.2	SuggestedRen	nedy			
SuggestedRemedy	4			Remove "c	abled optical	1		
Change the allocation 1.26.2 100GBASE-S				Proposed Res	ponse	Response Status W		
Proposed Response PROPOSED ACCE	Response Status W			Replace av	wkward langu n and fiber cal	N PRINCIPLE. age while maintaining empha ole attenuation. Replace "cal		
CI 00 SC 0	Р	L	# 5					
Anslow, Pete	Independent			0.00	SC 30.5.1.1.2	P 7	L14	# 8
Comment Type ER	Comment Status D			Dawe, Piers		Nvidia		
					e E	Comment Status D		Bucke
	n 802.3 PHY naming when there e the single lane variant ?R1. Ex			Comment Type If ordered I				Ducke
existence is to name					by length			Ducke
existence is to name SuggestedRemedy		amples being:		If ordered I SuggestedRen Should VR	by length <i>nedy</i> L come before	SR before100GBASE-SR4,	VR2 before SR2	
existence is to name SuggestedRemedy Change 100GBASE	e the single lane variant ?R1. Ex	amples being:		If ordered I SuggestedRen Should VR	by length <i>nedy</i> L come before		VR2 before SR2	
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCEI	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS	amples being: ·	-KR1, -CŔ1, -FR1, -LR1	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Res	by length <i>nedy</i> come before before SR4 b	SR before100GBASE-SR4,	VR2 before SR2	
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCE Change all instance 100GBASE-SR to 1	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1	amples being: ·	-KR1, -CR1, -FR1, -LR1	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Rest PROPOSE	by length nedy come before before SR4 b boonse	SR before100GBASE-SR4, efore 400GBASE-SR16?	VR2 before SR2	
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCEI Change all instance 100GBASE-SR to 1 C/ 00 SC 0	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i>	amples being: ·	-KR1, -CŔ1, -FR1, -LR1	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Rest PROPOSE	by length nedy come before before SR4 b bonse ED ACCEPT.	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W		before 200GBASE-
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCE Change all instance 100GBASE-SR to 1 C/ 00 SC 0 Anslow, Pete	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i> Independent	amples being: ·	-KR1, -CŔ1, -FR1, -LR1 instances of # <u>6</u>	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Res PROPOSE	by length nedy come before before SR4 b boonse ED ACCEPT. C 30.5.1.1.2	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W		before 200GBASE-
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCE Change all instance 100GBASE-SR to 1 C/ 00 SC 0 Anslow, Pete Comment Type ER	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i> Independent <i>Comment Status</i> D	eamples being: out the draft SE-VR1 and all L	-KR1, -CŔ1, -FR1, -LR1 instances of # <u>6</u> Bucket	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Res PROPOSE C/ 30 S Dawe, Piers Comment Type	by length nedy come before before SR4 b bonse ED ACCEPT. C 30.5.1.1.2	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W <i>P</i> 7 Nvidia	L 25	e before 200GBASE- # 9
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCE Change all instance 100GBASE-SR to 1 C/ 00 SC 0 Anslow, Pete Comment Type ER All external cross-re	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i> Independent <i>Comment Status</i> D ferences should be "Forest green	eamples being: out the draft SE-VR1 and all L	-KR1, -CŔ1, -FR1, -LR1 instances of # <u>6</u> Bucket	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Rest PROPOSE CI 30 S Dawe, Piers Comment Type 200GBASE	by length nedy come before before SR4 b boonse ED ACCEPT. C 30.5.1.1.2 E E E-SR, 200GB	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W <i>P</i> 7 Nvidia <i>Comment Status</i> D	L 25	e before 200GBASE- # 9
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCE Change all instance 100GBASE-SR to 1 C/ 00 SC 0 Anslow, Pete Comment Type ER All external cross-re as per the 802.3 Fra	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i> Independent <i>Comment Status</i> D ferences should be "Forest green	eamples being: out the draft SE-VR1 and all L	-KR1, -CŔ1, -FR1, -LR1 instances of # <u>6</u> Bucket	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Resµ PROPOSE CI 30 S Dawe, Piers Comment Type 200GBASE SuggestedRen	by length nedy come before before SR4 b boonse ED ACCEPT. C 30.5.1.1.2 E E E-SR, 200GB. nedy	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W <i>P</i> 7 Nvidia <i>Comment Status</i> D ASE-VR, 400GBASE-SR, 40	L 25 00GBASE-VR	e before 200GBASE- # 9 Bucke
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCEI Change all instance 100GBASE-SR to 11 C/ 00 SC 0 Anslow, Pete Comment Type ER All external cross-re as per the 802.3 Fra SuggestedRemedy	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i> Independent <i>Comment Status</i> D ferences should be "Forest green ameMaker template.	eamples being: - out the draft SE-VR1 and all <i>L</i> n" by using the	-KR1, -CŔ1, -FR1, -LR1 instances of # <u>6</u> <i>Bucket</i> "External" character tag	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Res PROPOSE CI 30 S Dawe, Piers Comment Type 200GBASE SuggestedRen 200GBASE	by length nedy come before before SR4 b bonse ED ACCEPT. C 30.5.1.1.2 E E E-SR, 200GB, nedy E-SR2, 200GF	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W <i>P</i> 7 Nvidia <i>Comment Status</i> D	L 25 00GBASE-VR	e before 200GBASE- # 9 Bucke
existence is to name SuggestedRemedy Change 100GBASE Proposed Response PROPOSED ACCE Change all instance 100GBASE-SR to 1 C/ 00 SC 0 Anslow, Pete Comment Type ER All external cross-re as per the 802.3 Fra SuggestedRemedy Make all external cros	e the single lane variant ?R1. Ex -SR to 100GBASE-SR1 through <i>Response Status</i> W PT IN PRINCIPLE. s of 100GBASE-VR to 100GBAS 00GBASE-SR1 <i>P</i> Independent <i>Comment Status</i> D ferences should be "Forest green ameMaker template.	eamples being: - out the draft SE-VR1 and all <i>L</i> n" by using the	-KR1, -CŔ1, -FR1, -LR1 instances of # <u>6</u> <i>Bucket</i> "External" character tag	If ordered I SuggestedRen Should VR SR4, VR4 Proposed Res PROPOSE CI 30 S Dawe, Piers Comment Type 200GBASE SuggestedRen 200GBASE	by length nedy come before before SR4 b boonse ED ACCEPT. C 30.5.1.1.2 E E E-SR, 200GB nedy E-SR2, 200GB	SR before100GBASE-SR4, efore 400GBASE-SR16? <i>Response Status</i> W <i>P7</i> Nvidia <i>Comment Status</i> D ASE-VR, 400GBASE-SR, 40 BASE-VR2, 400GBASE-SR4	L 25 00GBASE-VR	e before 200GBASE- # 9 Bucke

C/ 45 SC 45.2.1.6	P 9	L 21	# <u>1</u> 0		CI 80	SC 8	0.1.4	P 15	L18	# 14
Dawe, Piers	Nvidia				Dawe, Pie	rs		Nvidia		
Comment Type E Shouldn't you show the	Comment Status D modified reserved rows?			Bucket	<i>Comment</i> Please		E ne change	Comment Status D es in context		Buck
SuggestedRemedy per comment					Suggested Please Table	e show o		g row before and after e	each new one, as 80	2.3ck does. Also for
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed			Response Status W		
C/FM SC FM	P11	L 54	# 11		C/ 91	SC 0	1.7.4.1	P 21	L 12	# 15
Dawe, Piers	Nvidia				Dawe, Pie		1.7.4.1	, <i>F</i> ∠ I Nvidia	L 12	# 15
	<i>Comment Status</i> D ments, ahead of this one but	not yet published		Bucket	Comment		E nt size	Comment Status D		Buck
SuggestedRemedy Add IEEE Std 802.3cp-					Suggested	dRemedy	,			
Proposed Response PROPOSED ACCEPT Add 802.3cp-202x and					Proposed PROP	Respons POSED A		Response Status W		
C/ 78 SC 78.1.4	P 13	L 12	# 12		C/ 116	SC 1	16.1.3	P 23	L 41	# 16
Dawe, Piers	Nvidia				Dawe, Pie	rs		Nvidia		
Comment Type E after 400GBASE-SR4.2	Comment Status D			Bucket	Comment after 4		E SE-SR4.2	Comment Status D		Buck
SuggestedRemedy after 400GBASE-SR16	or possibly after 400GBASE	-SR8			Suggested Before	dRemedy e, going t				
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed PROP	Respons POSED A		Response Status W		
78 SC 78.1.4	P13	L 13	# 13							
)awe, Piers	Nvidia									
Comment Type E This is too hard to follow	Comment Status D			Bucket						
SuggestedRemedy Please show at least or	e existing row before and aft	er each new one,	as 802.3cd di	d						
Proposed Response PROPOSED ACCEPT.	Response Status W									

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Comment ID

C/ 116 SC 116.1.4	P 25	L 29	# <u>1</u> 7	C/ 167 SC 167.1.1	P 31	L 50	# <u>2</u> 0
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia		
Comment Type E	Comment Status D		Bucket	Comment Type T	Comment Status D		Bucke
400GBASE-SR4 sho 400GBASE-SR8	uld come before 400GBASE-S	R4.2, and I think	t it goes after	FEC (Clause 134 or	Clause 91) and PCS (Clause 1	33 or Clause 82)	l.
				SuggestedRemedy			
SuggestedRemedy	A and 400CRASE SR4 2 hat	- row and column	-	FEC (Clause 91) and	l PCS (Clause 82).		
	R4 and 400GBASE-SR4.2, both	Trow and column		Proposed Response	Response Status W		
Proposed Response PROPOSED ACCEP	Response Status W T.			PROPOSED ACCEF Remove references t (Clause 82)".	PT IN PRINCIPLE. To Clause 134 and Clause 133.	. Will read: "FEC	(Clause 91) and PCS
C/ 167 SC 167.1	P 30	L 9	# 18	C/ 167 SC 167.2	P 32	L20	# 21
Dawe, Piers	Nvidia			Dawe, Piers	Nvidia	20	# 21
Comment Type E	Comment Status D			,	Comment Status D		Dusta
				Comment Type T	Comment Status D		Bucke
This table can be pre	sented better by leaving out th	e unnecessary "l	Not applicable" entries				Buoker
	sented better by leaving out th	e unnecessary "I	Not applicable" entries	116.3			Buokot
SuggestedRemedy Use columns for clau	sented better by leaving out th se/annex no., description for 2 us. Similarly for tables 163-2 a	00G, description					Lucio
SuggestedRemedy Use columns for clau	se/annex no., description for 2	00G, description		116.3 SuggestedRemedy	Response Status W		Luonon
SuggestedRemedy Use columns for clau required/optional stat	se/annex no., description for 2 us. Similarly for tables 163-2 a Response Status W	00G, description		116.3 SuggestedRemedy 80.3? Proposed Response		erence to Clause	
SuggestedRemedy Use columns for clau required/optional stat Proposed Response PROPOSED ACCEP	se/annex no., description for 2 us. Similarly for tables 163-2 a Response Status W	00G, description		116.3 SuggestedRemedy 80.3? Proposed Response	Response Status W PT IN PRINCIPLE. Correct refe	erence to Clause a	
SuggestedRemedy Use columns for clau required/optional stat Proposed Response PROPOSED ACCEP C/ 167 SC 167.1	se/annex no., description for 2 rus. Similarly for tables 163-2 a <i>Response Status</i> W T IN PRINCIPLE.	00G, description and 3.	for 400G, and	116.3 SuggestedRemedy 80.3? Proposed Response PROPOSED ACCEF	Response Status W PT IN PRINCIPLE. Correct refe	-	80.3.
SuggestedRemedy Use columns for clau required/optional stat Proposed Response PROPOSED ACCEP	se/annex no., description for 2 us. Similarly for tables 163-2 a <i>Response Status</i> W T IN PRINCIPLE. P 31	00G, description and 3.	for 400G, and	116.3 SuggestedRemedy 80.3? Proposed Response PROPOSED ACCEF Cl 167 SC 167.7.1 Dawe, Piers Comment Type E	Response Status W PT IN PRINCIPLE. Correct refe P 39	L 32	80.3.
SuggestedRemedy Use columns for clau required/optional stat Proposed Response PROPOSED ACCEP C/ 167 SC 167.1 Dawe, Piers Comment Type E	se/annex no., description for 2 us. Similarly for tables 163-2 a <i>Response Status</i> W T IN PRINCIPLE. <i>P</i> 31 Nvidia	00G, description and 3.	for 400G, and # 19	116.3 SuggestedRemedy 80.3? Proposed Response PROPOSED ACCEF Cl 167 SC 167.7.1 Dawe, Piers Comment Type E This has TECQ befor SuggestedRemedy	Response Status W PT IN PRINCIPLE. Correct refe P 39 Nvidia Comment Status D	L32	80.3. # 22 Bucket

C/ 167	SC 167.7.1	P39	L 32	# 23	C/ 167	SC 167.8.5.	1 P 43	L 51	# 25
Dawe, Pie	ers	Nvidia			Dawe, Pie	rs	Nvidia		
Comment	tType T	Comment Status D			Comment	Туре Т	Comment Status D		
differe	ent balance of pen	vely slower than for other opt alties while encouraging goo		5	other	•	than the usual 5 because th So the last few taps should be		,
	dRemedy				Suggested	•			
		0.log10(Ceq') and TECQ-10. CQ max (and SECQ) should			00		bsolute values of tap coefficient	onto 7 9 and 0	Aloo for the last tape fo
	t right.						v long that reference equalize		Also for the last taps to
Proposed	l Response	Response Status W			Proposed	Response	Response Status W		
PRO	POSED REJECT.				PROP	OSED REJECT			
	-	CQ - 10*log10(Ceq').			<i>Cl</i> 167 Dawe, Pie	SC 167.8.7	P 44 Nvidia	L 42	# 26
Ргорс	ose a value for ma	x TDECQ and SECQ.			Comment	<i>Түре</i> т	Comment Status D		
C/ 167 Dawe, Pie	SC 167.8.1	P 41 Nvidia	L 51	# 24		allows too much	of the waveform beyond the	limit and does a	poor job of controlling
Comment		Comment Status D		Bucket	Suggested	Remedy			
	mbled idle 119.2				Chang	ge to 3E-3 TBC	for now, and let people try that	at in the lab	
Suggeste	dRemedy				Proposed	Response	Response Status W		
00	•	nbled Remote Fault 82.2.1	1 or 82.2, 119.2.4	4 or 119.2.4.9	PROP	OSED ACCEP	IN PRINCIPLE.		
	l Response POSED ACCEPT.	Response Status W				ind in the neight	noot/undershoot calculation is porhood of the proposed value		

C/167 S	SC 167.8.10	P 45	L18	# <u>2</u> 7	C/ 167 SC 167.8.	5 P 43	L 25	# <u>3</u> 0
awe, Piers		Nvidia			Le Cheminant, Greg	Keysight Tec	hnologies	
omment Type	e E	Comment Status D		Bucket	Comment Type T	Comment Status D		
		in 167.8.13) is too long and .8.5 and 167.8.6.	hard to understa	and. It should be	DSP based receiver	ver bandwidth for TDECQ analy swith anti-aliasing filters. For	multimode transm	itter test, the
uggestedRer	nedy					Ith is reduced further to emulat native approach should be cons		
the respon frequencie	nse should not	least 1.3 x 53.125 GHz and exceed -24 dB." to "response 53.125 GHz the response s	e to at least 1.3	x 53.125 GHz. At	acquired in the half- For TDECQ, the wa emulates the fiber.	veform is additionally passed the This could be as simple as a lo etter emulates the physical imp	nis waveform can l nrough a second p w-pass Bessel-Th	be directly analyzed processing block tha nomson filter, but co
Proposed Res PROPOSE	<i>ponse</i> ED ACCEPT.	Response Status W			metrics, for both SR	nethod has the advantage of b and VSR requirements, with a cost, and likely better emulatir	single oscilloscop	e acquisition, reduc
/ 167 S	SC 167.10.1	P 49	L 25	# 28	SuggestedRemedy			
awe, Piers		Nvidia				nes 24-34 of page 43 (55 in the		
comment Type	e E BASE-SR4.	Comment Status D		Bucket	waveform has a 3 dl Thomson response	D/E converter and the oscillosc B bandwidth of approximately 2 to at least 1.5 × 26.5 GHz. At fi	26.5 GHz with a fo requencies above	urth-order Bessel- 1.5 × 26.5 GHz, th
SuggestedRen insert a sp	,				ideal fourth-order Be	exceed 24 dB. Compensation essel-Thomson response. Prio nction that emulates the respon ribed as TBD.	r to TDECQ analy	sis the waveform is
Proposed Res PROPOSE	<i>ponse</i> ED ACCEPT.	Response Status W			Proposed Response	Response Status W		
	SC 167.11.3	P 54	L 6	# 29	Presentation accom	panying the comment expected	d.	
awe, Piers	~ F	Nvidia Comment Status D		Bucket	C/ 167 SC 167.10	.3.3 <i>P</i> 52	L 24	# 31
Comment Type PICS need				DUCKET	Xie, Chongjin	Alibaba		·· .
					Comment Type TR	Comment Status D		
SuggestedRen Revise PI					51	cludes diagrams for flat 12 fibe	r MPO connectors	S.
Proposed Res	ponse	Response Status W			SuggestedRemedy Add diagrams that il	lustrate APC 12 fiber MPO con	nectors	
	ED ACCEPT.							

Comment ID 31