C/ 45	SC 45.	.2.1.6	P 9	L 21	# 1	C/ 167	SC	167.7.2	P 40	L 10	# 15
Dawe, Pie	ers		Nvidia			Lewis, Da	vid		Lumentum		
Comment	Туре Т	г	Comment Status D		Genera	Comment	Туре	TR	Comment Status D		Center wavelength for VI
For PM	MA/PMD ty	ype sele	ction bits:						(range) for -VRn should allo		
	MA/PMD ty					potent		enabling re	plerance around those wavele eceivers to work with different		
			1 1 1 1 1 0 taken? By wha 1 so each VRn and SRn p			Suggestee	dReme	dy			
			vs before and after so we			Chang	ge "TBI	D" to "844	to 948".		
		e rubric	to mention 802.3cp, 802.3	Sct, P802.3cw and	any others that use	Proposed	Respo	nse	Response Status W		
this re Prefer	0	se show	all the changes that all ac	tive projects that a	are not already in the	PROF	OSED	REJECT	•		
802.30 each c	dc roll-up h other's con	nave ma icurrent	de (802.3cp, 802.3ct, P80 changes, any clashes will	2.3cw, any more). be more obvious.	If all projects show	Contir	nue dise	cussion or	n the accompanying presenta	tion from Da	wid Lewis.
			B-lane and maybe 16-lane n for a block of 8 or 10 PN						e viewed in the broader conte		
Proposed	Response		Response Status W						Isolated changes impact cho on consensus.	ces for othe	r parameters.
PROP	OSED RE	JECT.				C/ 167	00	167.7.2	P40	L 26	# 40
1111	1 0 0 0 is 5	50GBAS	E-BR40-U from 802.3cp					167.7.2		L 20	# 16
			SE-SR4 in 802.3db			Lewis, Da		_	Lumentum		
						Comment		т	Comment Status D		TDECQ for VF
			t up by 1 (there is no room 1 unallocated and it may re						ristics for -VRn should match R reaches.	those for -S	Rn in order to support
There	is no siani	ificant a	dvantage to having VRn ar	nd SRn pairs diffe	· by 1 bit	Suggestee	dReme	dy			
	le ne eign					Chang	ge SEC	Q value fi	rom TBD to match the value i	n the corres	ponding -SRn column.
The su	ub-rows be	efore and	d after the P802.3db set w	ill be added in the	next draft.	Proposed	Respo	nse	Response Status W		
						PROF	OSED	REJECT			
						includ	e in the	VR link.	e viewed in the broader conte Isolated changes impact cho on consensus.		

C/ 167 SC 16	67.1	P 29	L 45	# 35	C/ 167	SC 167.	7.1	P 39	L15	# 2	
Nicholl, Gary		Cisco			Dawe, Pie	rs		Nvidia			
Comment Type	TR	Comment Status D		General	Comment	Туре Т	Com	ment Status D		Center wavelen	igth for VF
		s 3ck in the amendment or			We sh	ould conside	er a wavelen	gth range that allo	ws the best laser	bandwidth.	
		8 editorial database . 3ck erfaces being defined by 3			Suggested	Remedy					
1 C2M) should r			CK (I.E TOUGAU			-	ange of wave	elengths for VR that	an the draft range	e for SR. This do	oesn't
SuggestedRemedy							that the SRS	signal need be sl	ower, as laser sp	eed and fibre ba	ndwidth
,	or 120F and	120G from Table 167-1.			will ne		_				
Proposed Response		Response Status W			Proposed	,		onse Status W			
PROPOSED RE					PROP	OSED ACC	EPT IN PRI	NCIPLE.			
		ded after a comment was r	eceived on Drat	ft 0.1.	(a) Re	laxing the w	avelength rai	nge for VR is cons	sistent with the go	oal of a low cost	VR link
C/ 167 SC 16	37 1	P 30	L 20	# 36	relativ	e to the SR	ink.				
Nicholl, Gary	//.1	Cisco	220	# 50	(b) In	murty_3db_a	adhoc_01b_^	121720.pdf, the pro	oposed range for	VR is 842 - 868	nm and
Comment Type T Table 167-2. 3dl	lb precedes	Comment Status D s 3ck in the amendment or			(c) Cu	•		n is a TBD in D1.1	awaiting decisior	n on inclusion of	
Comment Type T Table 167-2. 3dl indicated in the concerned, and	lb precedes 802.3-201 so AUI int	Comment Status D	does not exist a Bck (i.e. 200GA	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2		rrently cente	r wavelength	n is a TBD in D1.1	awaiting decisior	n on inclusion of # 13	
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI-	lb precedes 802.3-201 so AUI int	Comment Status D s 3ck in the amendment of 8 editorial database . 3ck erfaces being defined by 3	does not exist a Bck (i.e. 200GA	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2	(c) Cu varian	rrently centert. SC 167.	r wavelength		-		
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy	lb precedes 802.3-201 so AUI int -4 C2C and	Comment Status D s 3ck in the amendment of 8 editorial database . 3ck erfaces being defined by 3	does not exist a Bck (i.e. 200GA	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2	(c) Cu varian C/ 167	rrently center t. SC 167. vid	r wavelength	P 39	-		a 940 nm
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy Delete rows for Proposed Response PROPOSED RE	b precedes 802.3-2011 so AUI int -4 C2C and or 120F and e F EJECT.	Comment Status D s 3ck in the amendment of 8 editorial database . 3ck erfaces being defined by 3 d 400GAUI-4 C2M) should	does not exist a 3ck (i.e. 200GA 1 not be referen	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2 ced.	(c) Cu varian C/ 167 Lewis, Da <i>Comment</i> The co nm an potent	rrently center t. SC 167. vid <i>Type</i> TR enter wavele d 940 nm wi	r wavelength 7.1 Com ngth (range) th tolerance age the high	P 39 Lumentum	L 15 llow for nominal velengths. This w	# 13 Center wavelen wavelengths betw ill increase mark	a 940 nm ngth for VI ween 850
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy Delete rows for Proposed Response PROPOSED RE	b precedes 802.3-2011 so AUI int -4 C2C and or 120F and e F EJECT.	Comment Status D s 3ck in the amendment or 8 editorial database . 3ck erfaces being defined by 3 d 400GAUI-4 C2M) should d 120G from Table 167-2. Response Status W	does not exist a 3ck (i.e. 200GA 1 not be referen	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2 ced.	(c) Cu varian C/ 167 Lewis, Da <i>Comment</i> The co nm an potent	rrently center t. SC 167. vid <i>Type</i> TR enter wavele d 940 nm wi ial and lever og application	r wavelength 7.1 Com ngth (range) th tolerance age the high	P 39 Lumentum ament Status D for -VRn should a around those wave	L 15 llow for nominal velengths. This w	# 13 Center wavelen wavelengths betw ill increase mark	a 940 nm ngth for VI ween 850
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy Delete rows for Proposed Response PROPOSED RE	b precedes 802.3-2011 so AUI int -4 C2C and or 120F and e F EJECT.	Comment Status D s 3ck in the amendment or 8 editorial database . 3ck erfaces being defined by 3 d 400GAUI-4 C2M) should d 120G from Table 167-2. Response Status W	does not exist a 3ck (i.e. 200GA 1 not be referen	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2 ced.	(c) Cu varian C/ 167 Lewis, Da Comment The co nm an potent sensir Suggested	rrently center t. SC 167. vid <i>Type</i> TR enter wavele d 940 nm wi ial and lever og application <i>Remedy</i>	r wavelength 7.1 Com ngth (range) th tolerance age the high	P 39 Lumentum oment Status D for -VRn should a around those wav volume manufact	L 15 llow for nominal velengths. This w	# 13 Center wavelen wavelengths betw ill increase mark	a 940 nm ngth for VI ween 850
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy Delete rows for Proposed Response PROPOSED RE	b precedes 802.3-2011 so AUI int -4 C2C and or 120F and e F EJECT.	Comment Status D s 3ck in the amendment or 8 editorial database . 3ck erfaces being defined by 3 d 400GAUI-4 C2M) should d 120G from Table 167-2. Response Status W	does not exist a 3ck (i.e. 200GA 1 not be referen	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2 ced.	(c) Cu varian C/ 167 Lewis, Da Comment The co nm an potent sensir Suggested	rrently center t. SC 167. vid <i>Type</i> TR enter waveled d 940 nm wi ial and lever ag application <i>Remedy</i> ge "TBD" to '	r wavelength 7.1 Com ngth (range) th tolerance age the high ns. 844 to 948".	P 39 Lumentum oment Status D for -VRn should a around those wav volume manufact	L 15 llow for nominal velengths. This w	# 13 Center wavelen wavelengths betw ill increase mark	a 940 nm ngth for VI ween 850
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy Delete rows for Proposed Response PROPOSED RE	b precedes 802.3-2011 so AUI int -4 C2C and or 120F and e F EJECT.	Comment Status D s 3ck in the amendment or 8 editorial database . 3ck erfaces being defined by 3 d 400GAUI-4 C2M) should d 120G from Table 167-2. Response Status W	does not exist a 3ck (i.e. 200GA 1 not be referen	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2 ced.	(c) Cu varian Cl 167 Lewis, Da Comment The co nm an potent sensir Suggested Chang Proposed	rrently center t. SC 167. vid <i>Type</i> TR enter waveled d 940 nm wi ial and lever ag application <i>Remedy</i> ge "TBD" to '	r wavelength 7.1 Com ngth (range) th tolerance age the high ns. 844 to 948". <i>Resp</i>	P 39 Lumentum ment Status D for -VRn should a around those wav volume manufact	L 15 llow for nominal velengths. This w	# 13 Center wavelen wavelengths betw ill increase mark	a 940 nm ngth for Vi ween 850
Comment Type T Table 167-2. 3dl indicated in the concerned, and C2M, 400GAUI- SuggestedRemedy Delete rows for Proposed Response PROPOSED RE	b precedes 802.3-2011 so AUI int -4 C2C and or 120F and e F EJECT.	Comment Status D s 3ck in the amendment or 8 editorial database . 3ck erfaces being defined by 3 d 400GAUI-4 C2M) should d 120G from Table 167-2. Response Status W	does not exist a 3ck (i.e. 200GA 1 not be referen	to the project timeline as as far as 3db is AUI-2 C2C, 200GAUI-2 ced.	(c) Cu varian Cl 167 Lewis, Da Comment The co nm an potent sensir Suggested Chang Proposed PROP	rrently center t. SC 167.1 vid <i>Type</i> TR enter waveled d 940 nm wi ial and lever ag application <i>Remedy</i> ge "TBD" to ' <i>Response</i> OSED REJI	r wavelength 7.1 ngth (range) th tolerance age the high ns. 844 to 948". <i>Resp</i> ECT.	P 39 Lumentum ment Status D for -VRn should a around those wav volume manufact	L 15 llow for nominal v elengths. This w uring infrastructu	# 13 Center wavelen wavelengths betw ill increase mark re currently supp	a 940 nm ngth for V ween 850

C/ 167	SC 167.7.1	P39	L 26	# 66	C/ 167 SC	0 167.7.1	P 39	L 28	# 40
Palkert, To	-	Macom			Nicholl, Gary		Cisco		
Comment T	Type TR	Comment Status D		Overshoot	Comment Type	ER	Comment Status D		General
Need v	value for TBD for	r VR Overshoot					(min) requirements are captu		
Suggested	lRemedy						e consistent with the change 018 Table 151-7 and	that was made	by 802.3cu. For
Replac	ce TBD with 12%						g/3/cu/public/May20/nicholl_3	3cu_03_051920	.pdf.
Proposed H	Response	Response Status W			SuggestedRem	edy			
PROP	OSED REJECT.				Make the fo	llowing cha	nges to Table 167-7:		
		l be validated. Currently, 802 is a test parameter with a spe			consistent v	vith the forn	ptical Modulation Amplitude (nat used in 802.3cu-2021 and g/3/cu/public/May20/nicholl 3	d //	
C/ 167	SC 167.7.1	P 39	L 26	# 14	mips.//www	.1666002.01	g/s/cu/public/iviay20/filcfioli_s	3Cu_03_031920	.pui.
_ewis, Dav	vid	Lumentum			- Delete the	row "Laund	h power in OMAouter minus	TDECQ (min)"	
Comment T	Туре Т	Comment Status D		TDECQ for VR	- Delete foo	tnote c.			
		teristics for -VRn should mate	ch those for -SR	n in order to support					
	perability over -V	R reaches.			Proposed Resp	onse	Response Status W		
Suggested	-				PROPOSEI	D ACCEPT	IN PRINCIPLE.		
		nus TDECQ (min), TDECQ (m the corresponding -SRn colur		(max) values from TBD	This helps r	emove a fo	otnote, but is otherwise a ma	tter of style.	
Proposed F	Response	Response Status W			P802.3db D	1.1 follows	50GBASE-SR (Clause 138),	100GBASE-DR	(Clause 140),
PROP	OSED REJECT.					· ·	use 150) in using two lines:		
This or	ommont must be	viewed in the broader contex	t of what facture	a ara haat ta			n amplitude, each lane (min)	-3.0 -4.4	
include		Isolated changes impact choir			(Example o		outer minus TDECQ (min) E-SR1)	-4.4	
					802.3cu cor				
					for TDE	CQ < 1.4 d		(),	
					for 1.4 <	< TDECQ <	3.4 dB (-1.6 + TDECQ)	dBm	

(Example of 400GBASE-FR4)

C/ 167	SC 167.7.1	P 39	L 28	# 11	C/ 167	SC	167.7.1	P 39	L 33	# 3
Tang, Yi		Cisco System	s, Inc.		Dawe, Pie	ers		Nvidia		
Comment	Туре Т	Comment Status D		TDECQ other	Comment	Туре	т	Comment Status D		TDECQ other
of TEC while a addres Suggested	CQ. This allows for a transmitter with as the spec gap, <i>Remedy</i>	a lanuch power in OMA is con or a transimitter with a TECQ a TDECQ of 4.4dB can only OMA-TECQ shall be specifie	of 4.4dB operation operating at 0dl	ing at -3dBm OMA Bm and above. To	optimi fibre, r eventu misse	ise the s not over ually but s - and	spec for th -emphasis t it's still ev K is a free	rely slower than for any othe is, encouraging good equalis sed flaky ones. Overshoot/u volving, and the K limit can c by-product of TDECQ, K' is VEC in C2M: a screen for si	sable signals bo indershoot shou catch some bad a free by-produ	th after and before the ld be a useful protection transmitters that it lot of TECQ.
	ch power in OMA e changed to	outer minus TDECQ (min)"			Suggested	dRemed	ly			
		outer minus T(D)ECQ (min)"						Q-10.log10(Ceq') and/or K=T		
Proposed I	•	Response Status W						Consider if TDECQ max (ar nmending an improved refer		
Decisio	on following acco	ompanying presentation.			Proposed			Response Status W	. ,	
C/ 167	SC 167.7.1	P 39	L 30	# 63	PROP	OSED	REJECT.			
Palkert, To	om	Macom			This c	ommen	t is similar	to the comment #23 made	against D1 0	
Comment	Type TR	Comment Status D		TDECQ for VR					C	
Need v	alue for TBD for	TDECQ						eform that passes Table 16 be useful in promoting a lim		
Suggested					C/ 167		167.7.1	P39	L 41	# 43
Replac	e TBD for TDEC	CQ with 3.4 dB					107.7.1		L 4 I	# 43
Proposed I	•	Response Status W			Nicholl, Ga		TR	Cisco Comment Status D		Genera
PROP	OSED REJECT.							be defined in sub-clause 16	782	General
		viewed in the broader contex			Suggested					
	e in the VR link. I on will be based	solated changes impact choi on consensus.	ces for other pa	rameters.	Add a		n and me	asurement method (which ca	an be a referenc	e) for "encircled flux" in
					Proposed PROP	,		Response Status W		
					new so will ch receive	ection 1 ange th er sensi	67.8.12 ca e subsect	7.7 refers to the IEC docume an be created stating the sar ion numbers of receiver sen .8.13 -> 167.8.14), and sinu 8.14.1).	me with editorial sitivity (167.8.12	license. Note that this 2 -> 167.8.13), stressed

C/ 167	SC 167.7.1	P 39	L 48	# 44	C/ 167	SC 167.7.2	P 40	L 20	# 45
Nicholl, Ga	ry	Cisco			Nicholl, Ga	ſy	Cisco		
Comment T	ype TR	Comment Status D		TDECQ other	Comment T	ype TR	Comment Status A		Receiver sensitivity
	u added a Figure ersus TDECQ"	to illustrate "OMAouter eac	h lane (max) and	OMAouter each lane			eceiver sensitivity" normativ cu-2021, Table 151-8 as an		ne way it is represented
Suggested	Remedy				Suggested	Remedy			
(max) a	ind OMAouter ea	iated text) following Table 1 ach lane (min) versus TDEC				0	anges to Table 167-8:		
	gure 151-3 as a	•			- Chang format	the row "Rec	eiver sensitivity (OMAouter)), each lanee (ma 21 Tab·e 151-8 a	x)" to use the same
Proposed F	•	Response Status W			lonnati				io un oxumpio.
	OSED ACCEPT	IN PRINCIPLE. emedy with editorial license.			- Delete	e footnote e			
					Response		Response Status C		
C/ 167	SC 167.7.2	P 40	L19	# 10	ACCEP	T IN PRINCIP	_E.		
Tang, Yi		Cisco System	ns, Inc.		(a) Imp	ment suggeste	d remedy with editorial licer	ise. In section 16	7.8.12, refer to the
Comment T		Comment Status A		Receiver sensitivity			er sensitivity and remove the		
present Suggested	ation "tang_3db	from 1.4dB to 1.8dB to allow _adhoc_01a_062421.pdf" wa	as reviewed by t	ask force on 06/24.			ver sensitivity is informative made normative (see comm		-8 will be removed.
	nges proposed a db_adhoc_01a_	re listed in the supporting pr 062421.pdf".	esentation		C/ 167 Palkert, Tor	SC 167.7.2	Р 40 Масот	L 24	# 67
Average		, each lane (min): -6.4dBm			Comment T Need va		Comment Status D r SECQ for VR		TDECQ for VR
Receive		tivity (OMAouter), each lane /Aouter), each lane (max): n		- 6.4) dBm.	SuggestedF Replace	Remedy e TBD with valu	ie of 3.4 dB		
Average		each lane (min): -4.6dBm	ab long (min).		Proposed R PROPC	esponse SED REJECT	Response Status W		
Remov	e Editors' note b	n Amplitude (OMAouter), ea if the TDECQ < 1.8dB"	utinane (mm)2		include	in the VR link.	e viewed in the broader cont Isolated changes impact ch on consensus.		
RS = M	5, 167.8.12, Equ lax(-4.6, SECQ-6 e Figure 167-4 a		equation 167-1		Decisio	n will be based	un consensus.		
Response		Response Status C							
	PT IN PRINCIPL								

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

C/ 167 SC 167.7.2 Page 5 of 9 7/16/2021 3:07:04 PM

0.1 dB for OM4 and OM5.

C/ 167	SC ·	167.7.2	P 40	L 38	# 46	C/ 167	SC	167.7.2	P 51	L 33	# 56
Nicholl, Ga	ary		Cisco			Dudek, M	ike		Marvell		
Comment	Туре	TR	Comment Status A		Receiver sensitivity	Comment	Туре	TR	Comment Status A		Receiver sensitivity
versus switche	TECQ ed to us	' for the dif sing TECQ	to illustrate "Receiver sens ferent PMDs. Note in defir rather than SECQ. I have o make the same change	ning receiver sen submitted a sep	sitivity 802.3cu	able t	o pass :	sensitivity	rs it is possible to pass stress and such a receiver would no For this reason 802.3cu mad	ot be inter-opera	able with some Tx's and
			o make the same change	101 802.300.		Suggeste	dReme	dy			
(OMAc	figure (outer), e	and associ ach lane (ated text) following Table ? max) versus TECQ" for the			norma	ative rec	quirement	so on page 56 line 44 delete for receivers is stressed rece puld" to "shall".		
Figure	151-4	as an exar	•			Response	;		Response Status C		
	PT IN F nent su	RINCIPLE	Response Status C medy but leave TBDs whe	ere appropriate fo	or VR with editorial	Comr	nent 48		E. noll) also recommends makir emedy with editorial license.	ng receiver sen	sitivity normative.
						C/ 167	SC	167.7.3	P 41	L16	# 17
C/ 167	SC ·	167.7.2	P 40	L 40	# 70	Lewis, Da	vid		Lumentum		
Ghiasi, Ali			Ghiasi Quar	ntum/Marvell		Comment	Туре	т	Comment Status D		Link budget
Comment	Туре	TR	Comment Status D		Center wavelength for VR	Repla	ce the	TBDs for -	/Rn in Table 167-9 to include	e the same pen	alties as -SRn.
these I sensin	high sp	eed VCSE 40 nm VC	eling enough advantage w Ls are very different desigr SELs require InGaAs dete	ns than 940 nm '	/CSELs from 3D	penal	ge powe ties (for	er budget (max TDE	for max TDECQ) from TBD to 4.6 dB. Ch	ange additiona	
Suggested	Remed	<i>y</i>							3, and 0.1 for OM4 and OM5		
Chang	e TBD	with center	wavelength of 840-860 nr	n		Proposed	,		Response Status W		
Proposed I	Respon	se	Response Status W			PROF	POSED	REJECT.			
PROP	OSED	REJECT.				The v	alue for	max TDE	CQ (and power budget) for V	R links requires	s consensus.
			viewed in the broader conte olated changes impact cho			0.2 dE	B for ON	d, the addit /13, and	ional insertion loss for VR wi	II be changed to	0

Decision will be based on consensus.

C/ 167 SC 167.7.3

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C/ 167	SC 16	7.7.3	P 41	L 27	# 47	C/ 167	SC	167.8.5	P 43	L 19	# 4
Nicholl, Gar	у		Cisco			Dawe, Pie	rs		Nvidia		
Comment T	ype	TR	Comment Status A		Receiver sensitivity	Comment	Туре	т	Comment Status X		TDECQ other
"Transm	nitter OM	Aouter	igures following the illustra each lane versus TDECQ a each PMD.			measu accura	iremen acy bet	nts inaccurater than 1%	adjust should be improved be ate, because they rely on the 6 of the OMA, and the measu need better xECQ technique	OMAouter I	levels being found to an thod we use for OMA isn't
SuggestedF	Remedy					-				ii we move	to wivise optimization.
			iated text) following Table Q and receiver sensitivity (Suggestea Propos		-			
the diffe	erent PN	IDs. See	802.3cu-2021 Figure 151-	5 as an example.		•					
Response			Response Status C			Proposed Awaitir			Response Status W		
ACCEP		-				Awaitii		J05ai.			
Impleme license.		jested re	emedy but leave TBDs whe	re appropriate fo	r VR with editorial	C/ 167	SC	167.8.5	P 43	L 21	# 72
						Ghiasi, Ali			Ghiasi Quantu	m/Marvell	
C/ 167	SC 16	7.7.3	P 52	L 22	# 57	Comment	Туре	TR	Comment Status D		TDECQ other
Dudek, Mike	ype	TR	Marvell Comment Status D		Link budget	wavefo	orm ex		v up to +/- 1% threshold adjus ere OMA (1/6, 1/2, 2/3) levels DECQ		
			en for VR in table 167-7 is - perefore the additional inse		2	Suggestea	Reme	dy			
Howeve budget.	er provid		ional insertion loss for VR			Most C capabi	CDR us ility as	se statistica it has beer	al mean to set the slicer level n suggested there is no issue		
SuggestedF	Remedy							rom 1% to			
	.1dB for	OM3 ar	3 and 0.1dB for OM4 and C id 0dB for OM4 and OM5 a R.			Proposed PROP	•	REJECT.	Response Status W		
Proposed R	•		Response Status W N PRINCIPLE.						ge from the existing method for s requested.	or calculatin	ng TDECQ. Validation of
	-		-			C/ 167	SC	167.8.5	P 43	L 29	# 65
For VR, 0.2 dB f			sertion loss will be change	d to		Palkert, To	om		Macom		
0.1 dB f			5.			Comment	Туре	TR	Comment Status D		Center wavelength for VR
						Need	value f	or the band	dwidth of the 2nd filter for VR		
						Suggestea	Reme	dy			
						Replac	ce TBD) with value	e of 22 GHz		
						Proposed	Respo	nse	Response Status W		
						PROP	OSED	REJECT.			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

Cl	167
SC	167.8.5

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	P 43	L 40	# 5	C/ 167	SC 167.8.5.1	P 43	L 50	# 64
Dawe, Piers	Nvidia			Palkert, Tom		Macom		
Comment Type T Comme Per D1.0 comment 30, "Add editor fiber response is under further stur			Reference equalizer other fiber emulation and the		le for Ref equ	Comment Status D alizer tap length TBD	F	Reference equalizer for VI
SuggestedRemedy Does the draft need to say more a Proposed Response Respons PROPOSED REJECT.	bout this? se Status W			Proposed Res PROPOS	FBD with value sponse ED REJECT.	e of 9 <i>Response Status</i> W viewed in the broader contex	xt of what featu	ures are best to
The editors' note was intended to be removed at or before D2.0 if no			e test procedure. It will			solated changes impact choi on consensus.	ces for other p	arameters.
C/ 167 SC 167.8.5.1	P 43	L 50	# 71	C/ 167	SC 167.8.5.1	P44	L1	# 6
Ghiasi, Ali	Ghiasi Quant	um/Marvell		Dawe, Piers		Nvidia		
Comment Type ER Comme The debate between 5T vs 9T FFE packaging, compatability between	ent Status D E need to conside VR and SR, and	r VCSEL BW, in	eference equalizer for VR nprovement in r cost and power		ne transmitter	Comment Status D and the channel are slow as at isn't the best way to addre	compared with	

C/ 167 SC 167.8.5.1

C/ 167	SC 167.8.5	1 P44	L 4	# 7	C/ 167	SC	167.8.12	P 45	L 42	# 48
Dawe, Piers	S	Nvidia			Nicholl, Ga	ary		Cisco		
Comment T	<i>уре</i> т	Comment Status D		Reference equalizer other	Comment	Туре	TR	Comment Status A		Receiver sensitivity
other of should	ptical PMDs. 3 be quite small	actually much smaller that	be correcting the	relatively slower than for ne tail of the response and ed limits, but we can tighten	In 802 TECQ Suggestea	rather	than SECC	ceiver sensitivty" a norr Q. We should make the	native parameter a same change 802	and defined it based on 2.3db.
	ter as we lear	n more.			•••		•	to make "receiver sen	sitivitv" a normative	e paramter and defined
SuggestedF					based	on TE	CQ rather t	han SECQ. Propose us		
		absolute values of tap coef for VR, depending how lon				12 as a	a template.			
Proposed R	•		g mai reference	equalizer is.	Response			Response Status C		
		Response Status W								
PROPU	JSED ACCEP	T IN PRINCIPLE.			Comm	ent 56	(IVIIKE DUD	ek) also recommends r	haking receiver ser	isitivity normative.
	00	ly will be implemented for	the SR link.		Implen	nent wi	th editorial	license.		
	/lax absolute v).4	alue			C/ 167	SC	167.10.3.3	P 52	L17	# 74
).3				Ghiasi, Ali				uantum/Marvell	" 14
9 0).2				Comment		TR	Comment Status D		MD
		onsidered after the ngth is defined for VR.	L 33	# [60	Most o issue v unlikle	which c y to ha	ers have sp an be diffic ve broad m	ooken in support of ang cult to meet with PC MF	O, introducing opti	r due to performance on B PC finish MPO MDI et. There is also concern
Dudek, Mik	e	Marvell			Suggested	Remed	dy			
Comment T	ype TR	Comment Status D		Reference equalizer other	Remov	ve optio	on B, but de	efine the cable plant wh	ere both PC and A	PC are supported.
magnitu	ude and what t		37 are contradic	ting that information. Also	Proposed	,		Response Status W		
		is used to receive the sign difference in the reference			Option			n case non-angled conr	ectors are needed	by large enterprise end
SuggestedF	Remedy				000101		aturo.			
Delete	rows 33 to 37.	If appropriate adjust the p	parameters in se	ection 167.8.5.1						
Proposed R	Response	Response Status W								
PROPC	OSED REJEC	Г.								
to allow equalize	/ for different r	e tap coefficients are writte eference equalizer definitio ensure interoperability be e extent possible.	ons for VR and S							

C/ 167 SC 167.10.3.3