FM	SC FM	P 1	L 2	# R1-1	C/ 167	SC 167.8.6	P 60	L 33	# <u>R1-11</u>			
an, Adee		Cisco System	is, Inc.		Dawe, Pie	rs J G	NVIDIA					
omment T	ype G	Comment Status D			Comment	Type TR	Comment Status R					
P802.3 2022.	was approved a	is a revision standard by the	IEEE SA Standa	rds Board on 13 May	for bac	l transmitters.	nent I-36 points out that the d					
lggestedł	Remedy						and lack of a protective K lim eceiver as bad as 1e-4 (befor					
•		.3 [™] -202x" to "IEEE Std 802. nent where appropriate, with		page header.	aren't i	ncluded in TDE	CQ). This is inadequate for a ot required to, and even if it d	a robust link. Wh	ile a real receiver coul			
oposed F	Response	Response Status W			1. 0		la a fallenn maalandatta a faa					
PROPC	OSED ACCEPT.						ly, a follow-up calculation from er with 1 dB better sensitivity					
FM	SC FM	P 7	L 25	# R1-12	than 1.5e-4, and the error floor is below 5.6e-5. These are still very weak numbers, a additional penalties will make things a little worse when they occur. For reference, th							
awe, Pier		NVIDIA	-20	// I(I=12			he target SER of 4.8e-4, and					
omment T		Comment Status D			0		5					
		plore is applied to the wrong	thing, and the fo	otnote with the URL for			this spec by avoiding the con ECQ is expected to do this a		num OMA-T(D)ECQ			
"contac	t IEEE" is missir	ng. Presumably it should be	the same as foo	tnote 2 on the previous	Suggested	, ,		atomatiouly.				
page, o	or the text could I	be reworded, e.g. to "contact	IEEE using the	Contact Us form".		-	timized T(D)ECQ tap weights	with R (the nois	e that could be added			
<i>Iggested</i> Refer to	Remedy o staff for a fix.				by a re	ceiver) set at 0.	0141 mW RMS, the larger of and TECQ, to both VR and S	SER_L and SER				
oposed F	Response	Response Status W			Response		Response Status U					
PROPC	OSED ACCEPT	IN PRINCIPLE.			REJEC	CT.						
Forward	d this information	n to appropriate IEEE SA sta	ff so they can co	rrect the footnotes.	ability	to make an erro r link test (OMA	optical links have defined a lin r free link (pre-FEC BER < 2. - TDECQ) for the situation w	4E-4). This comm	nent requests adding			
						oblem addresse t for the propos	d by the comment has not be ed remedy.	een demonstrated	d. There was no			

Adding an additional link test requires (a) supporting experimental measurements, and (b) a more extensive investigation.

C/ 167 SC 167.8.6

C/ 167	SC 167.10.3.2	2 P68	L 4	# <u>R1-8</u>	C/ 167	SC 167.10.	3.2	P 69	L1	# <mark>R1-7</mark>
Ran, Adee	e	Cisco Syster	ms, Inc.		Ran, Adee		(Cisco Syster	ns, Inc.	
Comment	Type E	Comment Status A			Comment 7	Гуре т	Comment St	tatus A		
This p	age is mostly em	oty.			"If the I	MDI uses a mu	ultifiber connector	it follows the	e requirements o	f 167.10.3.3."
Suggested Delete Response	e the page break.	Response Status C					d "MDI requireme 1 400GBASE-SR4			GBASE-VR4, VR1 and 100GBASE-
•	PT IN PRINCIPLI	-			This is	confusing Los	sume the intent is	e to onable h	rockout of a mu	ltifiber connector to
		 on page 68 and page 10, wi	th editorial licens	se.	multiple	e 100GBASE-\		SR1 links? a		he requirements in
					Suggested	Remedy				
					Change	e the quoted se	entence to the foll	owing (on a	separate paragra	aph):
					VR1 or 167.10	100GBASE-S .3.3 apply inste	R1 PMDs. When ead of the require	a multifiber of ments above	connector is use e".	several 100GBASE- d, the requirements of SE-VR2, 400GBASE-
						00GBASE-SR	2, and 400GBASE			
					Response		Response Sta	atus C		
					ACCEF	PT IN PRINCIP	PLE.			
					"For 10	e the text in 16 00GBASE-VR1 acle connectior	and 100GBASE-	SR1, when t	he MDI is a coni	nector plug and
					to					
						0GBASE-VR1 nd receptacle c		SR1, when t	he MDI is a dupl	ex optical connector

C/ 167 SC 167.10.3.2

dee Cisco Systems, Inc. ent Type T Comment Status D a not immediately clear that this subclause defines two alternatives for fiber interface intertion. D the second paragraph there seems to be an unconditional normative requirement: "For OGBASE-VR2, 400GBASE-VR4, 200GBASE-SR2, and 400GBASE-SR4 with a flat fiber inface the MDI shall meet the dimensional specifications for interface 7-1-3: MPO active device upter interface - opposed keyway configuration, or interface 7-1-10: MPO active device	Ran, Adee Comment Type E Co In the base document, the na (see 95.11.3.2, 121.11.3.2, 12 the surrounding text. SuggestedRemedy	Cisco System comment Status D ames of IEC interface 24.11.3.2, 139.10.3.3	specifications are	formatted in italics
a not immediately clear that this subclause defines two alternatives for fiber interface inection. The second paragraph there seems to be an unconditional normative requirement: "For OGBASE-VR2, 400GBASE-VR4, 200GBASE-SR2, and 400GBASE-SR4 with a flat fiber orface the MDI shall meet the dimensional specifications for interface 7-1-3: MPO	In the base document, the na (see 95.11.3.2, 121.11.3.2, 12) the surrounding text.	ames of IEC interface	specifications are	oformatted in italics
nection. he second paragraph there seems to be an unconditional normative requirement: "For)GBASE-VR2, 400GBASE-VR4, 200GBASE-SR2, and 400GBASE-SR4 with a flat fiber erface the MDI shall meet the dimensional specifications for interface 7-1-3: MPO	(see 95.11.3.2, 121.11.3.2, 12 the surrounding text.	ames of IEC interface 24.11.3.2, 139.10.3.3	specifications are . 150.10.3.2). ma	e formatted in italics
BBASE-VR2, 400GBASE-VR4, 200GBASE-SR2, and 400GBASE-SR4 with a flat fiber of the MDI shall meet the dimensional specifications for interface 7-1-3: MPO	SuggestedRemedy		,,,,	king them distinct from
eptacle, flat interface, as defined in IEC 61754-7-1". It isn't stated that a different fiber ifface connection exists as an option. The third paragraph explicitly discusses an alternative, which, if used, does not meet the mative requirement of the second paragraph. The should be stated as alternatives without contradiction in the requirements.	Format the following instance "interface 7-1-3: MPO adapte "interface 7-1-10: MPO active "interface 7-1-4: MPO female "interface 7-1-9: MPO active "interface 7-1-1: MPO female And any others if necessary. Proposed Response Res PROPOSED REJECT.	er interface - opposed e device receptacle, fla e plug connector, flat in device receptacle, an	at interface" nterface for 2 to 1 gled interface"	12 fibres"
•	This comment was WITHDR/	AWN by the comment	ter	
ange the first paragraph from e MDI shall optically mate with the compatible plug on the optical fiber cabling"		AWN by the comment		
e MDI shall optically mate with a compatible plug on the optical fiber cabling, using	C/ 167 SC 167.10.3.3	P 69	L19	# R1-4
er a flat fiber interface or an angled fiber interface".	Ran, Adee	Cisco Syster	ms, Inc.	
he second paragraph, change r 200GBASE-VR2, 400GBASE-VR4, 200GBASE-SR2, and 400GBASE-SR4 with a flat er interface the MDI adapter or receptacle shall meet the dimensional specifications for rface 7-1-3: MPO adapter interface - opposed keyway configuration, or interface 7-1-10: O active device receptacle, flat interface, as defined in IEC 61754-7-1" For connection to flat fiber interfaces, the MDI adapter or receptacle shall meet the the therein the interface 7-1-3: MPO adapter interface - opposed way configuration, or interface 7-1-10: MPO active device receptacle, flat interface, as ined in IEC 61754-7-1"". he third paragraph (after the NOTE): ete "As an alternative, an optional angled fiber interface may be used for 200GBASE- 2, 400GBASE-VR4, 200GBASE-SR2, and 400GBASE-SR4" I change "If the angled fiber interface is used" to "For connection to the alternative gled fiber interfaces".	It should be made clear that t connectors as well. SuggestedRemedy Change "shall meet the dime specifications for either". Delete the comma before "or	nsional specifications ". sponse Status W isting flat and angled i	for" to "shall mee	et the dimensional
ed Response Response Status Z JECT.				
s comment was WITHDRAWN by the commenter.				

C/ 167 SC 167.10.3.3 Page 3 of 5 6/28/2022 4:00:56 PM

	SC 167.10.3.3		P 69	L 24	# R1-10	C/ 167	SC	167.11.3	P 72	L 20	# R1-13
an, Adee			Cisco System	ns, Inc.		Ran, Adee			Cisco	Systems, Inc.	
omment Typ	be G	Comment	t Status D			Comment 7	Гуре	Е	Comment Status	Α	Late (Non-Ballot)
				es (1.3) in the ba uld be added to s	se standard. If this is a ubclause 1.3.			f angled co options" ta		0.3.3 is a differen	ntiator that is worth declaring
reference publicatio "final pub will (hope uggestedRe	in a published on of that docur lished version fully) become o medy	IEEE stand nent and ap of this specif obsolete soc	ard/amendmen proval of 802.30 fication will be a	t. Is there conting db? Even if there available in 2023" ication of 802.3dl	is none, the sentence is forward-looking, and	angled Also in 100GB	fiber in these ASE-S MD typ	nterface is items, "Fe SR1, which pes, it shou	used. ature" lists all the pos	sible PMDs (inclu the reference 16	ional on whether a straight or uding 100GBASE-VR1 and 7.10.3.3). If an item applies
Add IEC 6				, with version and	d status note as						AFI", feature "Angled fiber s O, support "yes/no".
	, SED ACCEPT I	N PRINCIPL	Status W _E. eferences in 1.3	i.		field (in OC8, C	ostead DC10,	S items OC of PMD ty OC12, OC OC13, OC	bes): 14: !AFI	se the appropriate	e conditions in the "status"
document Change fo	t as a normativ ootnote to:	e reference	in a published I	EEE standard/an		200GB "feature	ASE-S e" text.	SR2, 400G	BASE-VR4, and 4000	GBASE-SR4," and follows: MDI mat	SR1, 200GBASE-VR2, d the connector type from the ting (8-9), MDI dimensions).
				tion is available a	s a Pre-Release led version of this	Response			Response Status	с	
	ion is expected			oro, inter publisi		Add a r	row in ce [mu	ltifiber con	capabilities/options ta		AFI", feature "Angled fiber Ilue/comment empty, status
						field (in OC8, C	ostead DC10,	6 items OC of PMD ty OC12, OC OC13, OC	bes): 14: !AFI	se the appropriate	e conditions in the "status"
						200GB "feature dimens	ASE-S e" text sions, v	SR2, 400G should be with multifil	BASE-VR4, and 4000 as follows: MDI matir	GBASE-SR4," from ng, with multifiber , Cabling connect	GR1, 200GBASE-VR2, m the "feature" text. The connector (8-9), MDI tors, with multifiber connector

C/ 167 SC 167.11.3

C/ 167	SC 167.11.3	P 72	L 20	# R1-5
Ran, Adee	9	Cisco Systen	ns, Inc.	
Comment	Туре Т	Comment Status D		
	noice of angled co "major options" ta	nnector type in 167.10.3.3 i ble.	s a differentiator	that is worth declaring
Suggested	lRemedy			
		apabilities/options table: ite 7.10.3.3, value/comment er		
OC8, 0	e PICS items OC OC10, OC12, OC OC11, OC13, OC		appropriate conc	ditions:
Proposed	Response	Response Status Z		
REJE	CT.			
This c	omment was WIT	HDRAWN by the commente	er.	
C/ 167	SC 167.11.4.6	P 76	L 29	# R1-6
Ran, Adee	9	Cisco System	ns, Inc.	
Comment	Туре Т	Comment Status D		
		Feature" lists all the possibl are not mentioned in the re		
lf an it	em applies to all F	PMD types then it should no	t be conditional	on PMD type.
		tor should be part of the "st nent) instead of the "feature		(with a major option,
Suggested	lRemedy			
VR4, a OC15.	and 400GBASE-S Effectively makin	I, 100GBASE-SR1, 200GB/ R4," and the connector type g "feature" as follows: MDI 13), MDI requirements (14-	e from the "featur mating (8-9), MD	re" text in OC8 through
		SR2, VR4, or SR4" from the either the "angled connected		
Proposed REJE	•	Response Status Z		

This comment was WITHDRAWN by the commenter.

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