C/FM SCFM	P1	L 2	# R1-1	C/ 167	SC 167.10.3	3.3	P 69	L19	# R1-4
Ran, Adee	Cisco Syste	ems, Inc.		Ran, Adee			Cisco System	ns, Inc.	
Comment Type G	Comment Status D			Comment T	vpe E	Comment S	Status D		
P802.3 was approved a 2022.	as a revision standard by th	ne IEEE SA Standa	ards Board on 13 May		d be made clea ors as well.	ar that there are	two alternativ	ve interface spec	ifications for angled
SuggestedRemedy				SuggestedF	Remedy				
	.3™-202x" to "IEEE Std 80 nent where appropriate, wi			specific	ations for eithe	er".	pecifications f	for" to "shall mee	et the dimensional
Proposed Response	Response Status W				he comma bel	fore "or".			
PROPOSED ACCEPT.			Proposed R	esponse	Response S	tatus W			
				PROPC	SED REJECT	Г.			
C/ 167 SC 167.10.3.3	3 P69	L 7	# R1-3	The Tas	k Force consi	idered listing flat	and angled in	nterfaces as alter	rnatives, but serveral
an, Adee	Cisco Syste	ems, Inc.				d concern that th			
				1	•				
21	Comment Status D			<u> </u>	SC 167 11 3			/ 20	# P1 5
In the base document, t	the names of IEC interface			C/ 167	SC 167.11.3	3	P 72	L 20	# <u>R1-5</u>
In the base document, t				C/ 167 Ran, Adee		3	P 72 Cisco System		# <u>R1-5</u>
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text.	the names of IEC interface			C/ 167 Ran, Adee Comment T	ype T	3 Comment S	P 72 Cisco System Status D	ns, Inc.	
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text.	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3			Cl 167 Ran, Adee Comment T The cho	ype T	3 Comment S connector type ii	P 72 Cisco System Status D	ns, Inc.	
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed	3, 150.10.3.2), mał d keyway configura	king them distinct from	Cl 167 Ran, Adee Comment T The cho	ype T vice of angled najor options"	3 Comment S connector type ii	P 72 Cisco System Status D	ns, Inc.	
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-10: MPO	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, f	3, 150.10.3.2), mał d keyway configura flat interface"	king them distinct from ation"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF	ype T bice of angled najor options" Remedy	3 Comment S connector type in table.	P 72 Cisco System Status D n 167.10.3.3 i	ns, Inc.	
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-4: MPO fe "interface 7-1-9: MPO a	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, fi emale plug connector, flat active device receptacle, and	3, 150.10.3.2), mak d keyway configura flat interface" interface for 2 to 1 ngled interface"	king them distinct from ation" 2 fibres"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF Add a re	ype T nice of angled of najor options" Remedy pow in the majo	3 Comment S connector type in table. or capabilities/opt	P72 Cisco System Status D n 167.10.3.3 i tions table: ite	ns, Inc. s a differentiator em name "*AFI",	that is worth declarin
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-4: MPO fe "interface 7-1-9: MPO a "interface 7-1-1: MPO fe	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, f emale plug connector, flat active device receptacle, a emale plug connector, dow	3, 150.10.3.2), mak d keyway configura flat interface" interface for 2 to 1 ngled interface"	king them distinct from ation" 2 fibres"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF Add a ru interfac	ype T nice of angled of najor options" Remedy Dow in the majo a", subclause	3 Comment S connector type in table. or capabilities/opt 167.10.3.3, value	P72 Cisco System Status D n 167.10.3.3 i tions table: ite e/comment er	em name "*AFI", mpty, status O, s	that is worth declarin feature "Angled fiber support "yes/no".
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-10: MPO "interface 7-1-4: MPO fe "interface 7-1-9: MPO a "interface 7-1-1: MPO fe And any others if neces	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, f emale plug connector, flat active device receptacle, an emale plug connector, dow ssary.	3, 150.10.3.2), mak d keyway configura flat interface" interface for 2 to 1 ngled interface"	king them distinct from ation" 2 fibres"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF Add a re interfact Change OC8, O	ype T nice of angled of najor options" Remedy by in the majo of , subclause PICS items C C10, OC12, O	<i>Comment</i> S connector type in table. or capabilities/opt 167.10.3.3, value DC8 through OC ² DC14: !AFI	P72 Cisco System Status D n 167.10.3.3 i tions table: ite e/comment er	em name "*AFI", mpty, status O, s	that is worth declarin feature "Angled fiber support "yes/no".
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-10: MPO fe "interface 7-1-9: MPO a "interface 7-1-9: MPO a "interface 7-1-1: MPO fe And any others if neces Proposed Response	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, f emale plug connector, flat active device receptacle, a emale plug connector, dow	3, 150.10.3.2), mak d keyway configura flat interface" interface for 2 to 1 ngled interface"	king them distinct from ation" 2 fibres"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF Add a ru interfac Change OC8, O OC9, O	ype T najor options" Remedy ow in the majo a", subclause PICS items C C10, OC12, O C11, OC13, O	<i>Comment S</i> connector type in table. or capabilities/opt 167.10.3.3, value DC8 through OC7 DC14: !AFI DC15: AFI	P72 Cisco System Status D n 167.10.3.3 i tions table: ite e/comment er 15 to use the a	em name "*AFI", mpty, status O, s	that is worth declaring feature "Angled fiber support "yes/no".
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-4: MPO fe "interface 7-1-9: MPO a "interface 7-1-1: MPO fe	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, f emale plug connector, flat active device receptacle, an emale plug connector, dow ssary.	3, 150.10.3.2), mak d keyway configura flat interface" interface for 2 to 1 ngled interface"	king them distinct from ation" 2 fibres"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF Add a re interfac Change OC8, O OC9, O Proposed R	ype T najor options" Remedy ow in the majo e", subclause PICS items C C10, OC12, O C11, OC13, O esponse	<i>Comment</i> S connector type in table. or capabilities/opt 167.10.3.3, value DC8 through OC ² DC14: !AFI	P72 Cisco System Status D n 167.10.3.3 i tions table: ite e/comment er 15 to use the a	em name "*AFI", mpty, status O, s	that is worth declarin feature "Angled fiber support "yes/no".
In the base document, t (see 95.11.3.2, 121.11.3 the surrounding text. SuggestedRemedy Format the following ins "interface 7-1-3: MPO a "interface 7-1-10: MPO "interface 7-1-4: MPO fe "interface 7-1-9: MPO a "interface 7-1-1: MPO fe And any others if neces Proposed Response PROPOSED REJECT.	the names of IEC interface 3.2, 124.11.3.2, 139.10.3.3 stances in italic font: adapter interface - opposed active device receptacle, f emale plug connector, flat active device receptacle, an emale plug connector, dow ssary.	3, 150.10.3.2), mak d keyway configura flat interface" interface for 2 to 1 ngled interface" vn-angled interface	king them distinct from ation" 2 fibres"	Cl 167 Ran, Adee Comment T The cho in the "r SuggestedF Add a ru interfac Change OC8, O OC9, O	ype T najor options" Remedy ow in the majo e", subclause PICS items C C10, OC12, O C11, OC13, O esponse	<i>Comment S</i> connector type in table. or capabilities/opt 167.10.3.3, value DC8 through OC7 DC14: !AFI DC15: AFI	P72 Cisco System Status D n 167.10.3.3 i tions table: ite e/comment er 15 to use the a	em name "*AFI", mpty, status O, s	that is worth declarin feature "Angled fiber support "yes/no".

C/ 167	SC 167.11.4.6	P	76	L 29	# R1-6	C/ 167	SC 167.10.3	3.2	P 69	L1	# R1-7
Ran, Ade	е	Cisc	co System	s, Inc.		Ran, Adee		Ci	sco Syster	ns, Inc.	
Comment	Туре Т	Comment Statu	s D			Comment	Туре Т	Comment Sta	tus A		
	8 through OC15, " BASE-SR1, which				g 100GBASE-VR1 and .3).	"If the	MDI uses a mu	ltifiber connector it	follows the	e requirements o	f 167.10.3.3."
	tem applies to all F							d "MDI requirement 400GBASE-SR4"			GBASE-VR4, VR1 and 100GBASE-
subje	ct of another comm				(with a major option,						Itifiber connector to the requirements in
00	dRemedy		1 200084	SE 1/P2 200CB	BASE-SR2, 400GBASE-	167.10	0.3.3 should rep	lace those of 167.1	0.3.2?		
					e" text in OC8 through	Suggested	lRemedy				
	5. Effectively makin ng connectors (12-				I dimensions (10-11),	Chang	e the quoted se	entence to the follow	wing (on a	separate paragr	aph):
	e "VR1, SR1, VR2, tions for each item				these items. make the or its negative.	VR1 o	r 100GBASE-S		multifiber	connector is use	several 100GBASE- d, the requirements of
Proposed REJE	Response CT.	Response Statu	s Z			VR4, 2	200GBASE-SR	7.10.3.3 from "MDI 2, and 400GBASE-			SE-VR2, 400GBASE- of r multifiber
This o	comment was WITI	HDRAWN by the o	commente	r.		conne		D	•		
						Response ACCE	PT IN PRINCIF	Response Stat LE.	us C		
						"For 1	e the text in 16 00GBASE-VR1 acle connectior	and 100GBASE-S	R1, when	the MDI is a con	nector plug and
						to					
						"For 1	00GBASE-VR1	and 100GBASE-S	R1 when	the MDI is a dup	lex optical connector

"For 100GBASE-VR1 and 100GBASE-SR1, when the MDI is a duplex optical connector plug and receptacle connection..."

W 167 SC 167.10.3.2	P 68	L 4	# R1-8	C/ 167	SC 167.10.3	3.3	P 69	L 7	# R1-9
an, Adee	Cisco System	ns, Inc.		Ran, Adee		Ci	sco Systems	s, Inc.	
Comment Type E Com	ment Status A			Comment T	ype T	Comment Sta	tus D		
This page is mostly empty.						lear that this subcl	ause defines	s two alternative	es for fiber interface
SuggestedRemedy				connec	1011.				
Delete the page break.				In the s	econd paragra	ph there seems to	be an uncor	nditional norma	tive requirement: "For SE-SR4 with a flat fiber
. ,	onse Status C					I meet the dimens			
ACCEPT IN PRINCIPLE.									0: MPO active device
Delete the page break on page	68 and page 10, wit	h editorial licens	e.			exists as an option.			I that a different fiber
						xplicitly discusses t of the second pa		e, which, if use	d, does not meet the
				These s	hould be state	ed as alternatives v	vithout contra	adiction in the r	equirements.
				SuggestedF	Remedy				
					the first parag	graph from ly mate with the co	ompatible plu	ia on the ontice	l fiber cabling"
				to					-
						ly mate with a corr ace or an angled f			iber cabling, using
				"For 20 fiber int interfac MPO ac to "For dimens keyway	erface the MDI e 7-1-3: MPO a stive device rec connection to f onal specificat	, 400GBASE-VR4, I adapter or recept adapter interface - ceptacle, flat interfa- flat fiber interfaces tions for either inter or interface 7-1-10	acle shall me opposed key ace, as defin , the MDI ada rface 7-1-3:	eet the dimensi yway configurat led in IEC 6175 apter or recepta MPO adapter ir	acle shall meet the
				Delete ' VR2, 40 and cha	As an alternat	4, 200GBASE-SR2 gled fiber interface	2, and 400GE	BASE-SR4"	used for 200GBASE- to the alternative
				Proposed R	esponse	Response Sta	tus Z		
				REJEC	Т.				
						ITHDRAWN by the			

new document, as su I wonder if it is accept reference in a publish publication of that do "final published versi- will (hopefully) becon SuggestedRemedy Delete the footnote, the Add IEC 63267-1 to the considered appropria PROPOSED ACCEPT Add IEC 63267-1 to the	Comment Status C 67-1 in the normative ref gggested in the footnote, table to have a pre-relea- ned IEEE standard/amen cument and approval of 8 on of this specification wi the obsolete soon after the o prevent it from becomin the normative references te. Response Status V T IN PRINCIPLE. he normative references nts verified that it is accept	erences (1.3) it should be ac se version of a dment. Is then 302.3db? Ever Il be available e publication o ng obsolete. in 1.3, with ve	dded to sub a document re continger n if there is in 2023" is of 802.3db.	oclause 1.3. t as a normative ncy between none, the sentence s forward-looking, and	for bac The hi floor ir aren't improv In the that a than 1 additio target It is ve and ve Suggested	Type TR sfied D3.0 comm d transmitters. gh TDECQ limit the T(D)ECQ re- included in TDE- re on this, it is no proposed remed reference receiv .5e-4, and the en- nal penalties will BER is 2.4e-4, t ry easy to pass ry high K. SR T	NVIDIA Comment Status R nent I-36 points out that the and lack of a protective K lin eceiver as bad as 1e-4 (befo CQ). This is inadequate for ot required to, and even if it of y, a follow-up calculation fro er with 1 dB better sensitivity ror floor is below 5.6e-5. The make things a little worse whe target SER of 4.8e-4, and this spec by avoiding the con ECQ is expected to do this a	mit allows a transn a robust link. Whi does, an error floo om the T(D)ECQ m y than nominal will nese are still very v when they occur. I d -4.4 dBm -1 dB / mbination of minin	mitter with a BER error ional penalties that ille a real receiver could or problem remains. neasurement checks Il have a BER better weak numbers, and the For reference, the /6 /Qt = 0.0141 mW
I cannot find IEC 632 new document, as su I wonder if it is accep reference in a publish publication of that do "final published versi- will (hopefully) becon SuggestedRemedy Delete the footnote, t Add IEC 63267-1 to t considered appropria Proposed Response PROPOSED ACCEP Add IEC 63267-1 to t Task Force participation	67-1 in the normative ref iggested in the footnote, table to have a pre-releaned IEEE standard/amen cument and approval of 8 on of this specification wi ne obsolete soon after the o prevent it from becomin he normative references te. <i>Response Status</i> V T IN PRINCIPLE. he normative references nts verified that it is accept	erences (1.3) it should be ac se version of a dment. Is then 302.3db? Ever Il be available e publication o ng obsolete. in 1.3, with ve	dded to sub a document re continger n if there is in 2023" is of 802.3db.	oclause 1.3. t as a normative ncy between none, the sentence s forward-looking, and	Unsati for bac The hi floor ir aren't improv In the that a than 1 additio target It is ve and ve Suggested	sfied D3.0 comm d transmitters. gh TDECQ limit the T(D)ECQ re- included in TDE- re on this, it is no proposed remed reference receiv .5e-4, and the ei- nal penalties will BER is 2.4e-4, t ry easy to pass ry high K. SR T	nent I-36 points out that the and lack of a protective K lin aceiver as bad as 1e-4 (befo CQ). This is inadequate for ot required to, and even if it of y, a follow-up calculation fro er with 1 dB better sensitivity ror floor is below 5.6e-5. Th I make things a little worse w he target SER of 4.8e-4, and this spec by avoiding the col	mit allows a transn a robust link. Whi does, an error floo om the T(D)ECQ m y than nominal will nese are still very v when they occur. I d -4.4 dBm -1 dB / mbination of minin	mitter with a BER error ional penalties that ille a real receiver could or problem remains. neasurement checks Il have a BER better weak numbers, and the For reference, the /6 /Qt = 0.0141 mW
new document, as su I wonder if it is accept reference in a publish publication of that do "final published versi- will (hopefully) becon SuggestedRemedy Delete the footnote, th Add IEC 63267-1 to th considered appropria Proposed Response PROPOSED ACCEPT Add IEC 63267-1 to the Task Force participant	aggested in the footnote, table to have a pre-relea- ned IEEE standard/amen cument and approval of 8 on of this specification wi ne obsolete soon after the o prevent it from becomin he normative references te. <i>Response Status</i> V T IN PRINCIPLE. he normative references nts verified that it is accept	it should be ad se version of a dment. Is then 302.3db? Ever II be available e publication o ng obsolete. in 1.3, with ve	dded to sub a document re continger n if there is in 2023" is of 802.3db.	oclause 1.3. t as a normative ncy between none, the sentence s forward-looking, and	for bac The hi floor ir aren't improv In the that a than 1 additio target It is ve and ve Suggested	d transmitters. gh TDECQ limit the T(D)ECQ re included in TDE re on this, it is no proposed remed reference receiv .5e-4, and the el nal penalties will BER is 2.4e-4, t ry easy to pass ry high K. SR T	and lack of a protective K lin acciver as bad as 1e-4 (befo CQ). This is inadequate for ot required to, and even if it of y, a follow-up calculation fro er with 1 dB better sensitivity ror floor is below 5.6e-5. The I make things a little worse w he target SER of 4.8e-4, and this spec by avoiding the con-	mit allows a transn a robust link. Whi does, an error floo om the T(D)ECQ m y than nominal will nese are still very v when they occur. I d -4.4 dBm -1 dB / mbination of minin	mitter with a BER error ional penalties that ille a real receiver could or problem remains. neasurement checks Il have a BER better weak numbers, and the For reference, the /6 /Qt = 0.0141 mW
considered appropria Proposed Response PROPOSED ACCEF Add IEC 63267-1 to 1 Task Force participal	te. <i>Response Status</i> V T IN PRINCIPLE. he normative references nts verified that it is accep	V	ersion and s	Status Hole as	It is ve and ve Suggested	ry easy to pass ry high K. SR T	this spec by avoiding the co	mbination of minin	
PROPOSED ACCEF Add IEC 63267-1 to t Task Force participal	T IN PRINCIPLE. he normative references hts verified that it is accept				and ve Suggested	ery high K. SR T			mum OMA-T(D)ECQ
Add IEC 63267-1 to t Task Force participat	he normative references	in 1.3.			Suggested	, ,	,		
Task Force participa	nts verified that it is acce	in 1.3.			••				
document as a norm					by a re	e that for the op eceiver) set at 0.	timized T(D)ECQ tap weight 0141 mW RMS, the larger o and TECQ, to both VR and \$	f SER_L and SER	
	ative reference in a publis	shed IEEE sta	indard/amei	ndment.	Response		Response Status U		
Version (PRV) Final	rformance grade 1m spe Draft International Standa ted to be available in 202	ard (FDIS); fina			ability	nd 100G PAM4 to make an erro er link test (OMA	optical links have defined a l free link (pre-FEC BER < 2 - TDECQ) for the situation v	.4E-4). This comn	ment requests adding
						oblem addresse tt for the propose	d by the comment has not b ed remedy.	een demonstrated	d. There was no
						g an additional lin extensive investi	nk test requires (a) supportin gation.	ng experimental m	easurements, and (b) a

C/ FM	SC	FM		P 7	L 25	# R1-12	C/ 167	SC	167.11.3	P 72	L 20	# <u>R1-13</u>
Dawe, Pie	ers J G		N	/IDIA			Ran, Adee			Cisco Syste	ems, Inc.	
Comment	Туре	Е	Comment Sta	tus D			Comment 7	Гуре	Е	Comment Status A		Late (Non-Ballot)
"conta	act IEEE	E" is missi	ng. Presumably	it should be	the same as for	botnote with the URL for botnote 2 on the previous Contact Us form".	in the "	major	options" ta			-
S <i>uggeste</i> e Refer		<i>ly</i> for a fix.							s OC8 thro nterface is	ugh OC15, the status sho used.	uld be conditional	on whether a straight or
Proposed PROF			Response Stat	tus W			100GB	ASE-S	SR1, which	ature" lists all the possible are not mentioned in the Ild not be conditional on F	reference 167.10.	
Forwa	ard this i	informatio	n to appropriate I	EEE SA sta	aff so they can co	orrect the footnotes.	Suggested	Remed	dy			
										apabilities/options table: 7.10.3.3, value/comment		
							field (ir OC8, C	nstead DC10, 0	6 items OC of PMD typ OC12, OC OC13, OC	14: IAFI	e appropriate con	ditions in the "status"
							200GB "feature	ASE-S e" text.	R2, 400GI The "featu	Delete "100GBASE-VR1, BASE-VR4, and 400GBA Ire" text should be as follo tors (12-13), MDI requirer	SE-SR4," and the ows: MDI mating (8	connector type from the
							Response			Response Status C		
							Add a	row in ce [mul	ltifiber conr	: apabilities/options table: nector only]", subclause 1		
							field (ir OC8, C	nstead DC10, 0	items OC of PMD typ OC12, OC OC13, OC	14: ¹ AFI	e appropriate cono	ditions in the "status"
							200GB "feature dimens	ASE-S e" text sions, v	R2, 400GI should be with multifit	Delete "100GBASE-VR1, BASE-VR4, and 400GBA as follows: MDI mating, w ber connector (10-11), Ca ts, with multifiber connec	SE-SR4," from the ith multifiber conn bling connectors, v	"feature" text. The ector (8-9), MDI