C/69 SC	69.1.1	P 3018	L13	# I-1	C/ 28	SC 28.2.3.4.	7 P 947	L 28	# I <u>-</u> 2
Brown, Matthew		Huawei Techn	ologies Canada		Lusted, Ke	ent	Intel Corpo	oration	
Comment Type		ment Status X		- 1	Comment	51	Comment Status X		
layers in the backplane Pl fuller context	backplane introduc MD clauses. Also, is required. Finally	BER requirements t tion clause since it is with the addition of FI with each new gene kplane introduction cl	explicitly specified EC and error bure eration of Etherne	ed in each of the st considerations a et rates the BER target	shall u and T In 28.2	use the encoding bits. These bits 2.3.4.7, the Togg	xt Page Encoding, the IE shown in Figure 73–7 an shall function as specified le function is described.	d Figure 73–8 for th in 28.2.3.4." Specifically, "The ini	e NP, Ack, MP, Ack2 tial value of the Togg
SuggestedReme	dy						e transmitted is the inverse a value of logic one or ze		se link codeword and
	ace or 200Gb/s pro	o (BER) better than o oviding a BER better		at the MAC/PLS 10–13 at theMAC/PLS	There		ion. Is bit 11 equal to the		n the AN73 Link
Proposed Respo	nse Respo	onse Status O			Base 73.6 'I	Page starts with _ink codeword er	3 page per Figure 73-6, tl D0. However, if one read icoding'), it is says D0 sha d bit is actually D10 (whic	s the text just above all be the first bit tra	e the figure (in section rsmitted. In that case
					Clarifi	cation is needed	that bit 11 = D11 (C1 in th	ne link codeword ba	se page).
					"The i	2.3.4.7, change: nitial value of the	Toggle bit in the first Nex ord and, therefore, may as		
							Toggle bit in the first Nex ink codeword and, therefo		
					Proposed	Response	Response Status 0		

CIO SC	° 0	Р	L	# <u>I-3</u>	C/ 147	SC 147.3.2.7	P 5902	L17	# <u>I-6</u>
Berger, Catherin	е	Editorial Co	ordination		Zimmerma	in, George	ADI, APL G	roup, Cisco, Cor	nmScope, Marvell, SenT
Comment Type	GR	Comment Status X			Comment	Type TR	Comment Status X		
subclauses as "(informa body of the t Anything tha annex to the SuggestedReme Remove "inf	shall be lab tive)". Thes ext will be o t really nee document. edy formative" la	and informative text is not eled as informative. Currer e labels will need to be ren considered normative as pe ds to be informative only s abels in the main text of the n't want it to be included as	ntly you have ma noved and all sul er their placemer hould be set in a e document. If so	ny subclauses labeled oclauses with the main at in the document. note or appear in an omething is truly	behav COMM happe origina entere state i SILEN be fixe	ior for COMMIT, IT), the intent is ns, if you enter S Illy defined), beca d any other way, n Fig 148-4, the F T, and when tx_c d either. Hence v	tents from 802.3cg, and to (and seeing the entry cond for the PHY to transmit a (ILENT through the "B" bra ause tx_cmd = COMMIT or e.g., through reset, or from PLCA control SD), tx_sym cmd = COMMIT is set, and we need to set tx_sym to Co	ition to the COM COMMIT/SYNC s nch (for burst mo n entry to SILEN n a pending pack will not get set to the COMMIT sta COMMIT in the CO	MIT state being tx_cmd symbol. Usually this de, where COMMIT was . However, if SILENT is et out of the COMMIT COMMIT by the tte is entered, this won't
		or move to an annex	normative text,	please set that		•	s and get the correct, expe	ected behavior.	
Proposed Respo	onse	Response Status 0			Suggested insert	,	MIT" into the "COMMIT" si	ate	
					Proposed	Response	Response Status 0		
cio sc	: 0	Р	L	# I-4					
Berger, Catherin	е	Editorial Co	ordination						
Comment Type	G	Comment Status X							
	of IEEE St	list of Normative Reference d 802.3 really need to have ard?							
SuggestedReme	edy								
Proposed Respo	onse	Response Status 0							
C/ 104 SC	: 104.9.4.4	P 4424	L 33	# 1-5					
Zimmerman, Ge	orge	ADI, APL G	roup, Cisco, Con	nmScope, Marvell, SenTe					
	E COMEL2 sa	Comment Status X ays PDTA:M, Requirement	says it refers to	PD type E					
SuggestedReme Change PD ⁻	edy		-						
Proposed Respo		Response Status O							

	SC 45.2.3.72.3	P 2030	L 23	# <u>I-</u> 7	CI 78	SC	78.1	P 332	L 47	# <u>1-</u> 8
Zimmermar	n, George	ADI, APL Grou	ıp, Cisco, Comn	nScope, Marvell, SenTe	Parsons,	Earl		CommScope, I	nc.	
Comment T	ype TR Comr	ment Status X			Commen	t Type	G	Comment Status X		
	91.8 is a copy of bit 0.8				In thi	s table th	ne row for	100GBASE-KR2 should be at	ove the row for	or 100GBASE-CR1
	291.8, half = 1, and for 0 Y CAN do full duplex, but				Suggeste	edRemea	ly			
the PH	Y cannot do full duplex,	and no way to indica	e whether the F	HY does full duplex.	Move	e the row	for 100G	BAE-KR2 above 100GBASE-C	CR10.	
market	pposed remedy does this not able to do full duplex entations should be com	. Note that unless so	meone has buil	t a full-duplex PHY, all	Proposed	d Respon	ise	Response Status O		
Suggestedl	•				CI 80	SC	80.1.4	P339	L 36	# 1-9
	bit to the PCS status regis new row, and adjust res				Parsons,	Earl		CommScope, I	nc.	
(3.2292	?), table 45-299, 4.2.3.73	, p. 2030, line 42:		ů –	Commen	t Type	G	Comment Status X		
Add 3.2 PHY no	2292.6 Full-duplex ca ot capable of full-duplex c		capable of full-	duplex operation 0 =				y, the SR entries should be in 00GBASE-SR2 should be swa		asing lanes.
When r	e 2031, line 7, Add 4.2.3 ead as a one, bit 3.2292	.6 indicates that the	I0BASÈ-T1S PH	Ý is capable of full-	Suggeste Move		,	BASE-SR2 to be below the rov	v for 100GBAS	SE-SR4.
	operation. When read as a pable of full-duplex ope		indicates that the	The TOBASE-TTS PHY	Proposed	d Respon	nse	Response Status 0		
	e 4.2.72.3 (duplex mode) e "This bit shall be ignore			hit 7 512 12 in ont to						
	when bit 3.2292.6 indicat				C/ 116	SC	116.1.4	P 4809	L 33	# I-10
	ports via bit 3.2292.6 tha				Parsons,			CommScope, I	nc.	
	91.8 shall correspond to ge the setting of bit 3.22				Commen		G	Comment Status X		
	s not capable of operating							y move the column for 200GB 00GBASE-DR4 PMD in Table		D to be between
	91.8 is an inverted copy	of bit 0.8 (see Table	22-7) and settin	g or clearing either bit	Suggeste	edRemea	ly			
			it is capable of o	operating in full-duplex				0GBASE-SR4 PMD to be bet in Table 116-4.	ween 200GAU	II-4 C2M and
shall cl	ear or set the it, when the PHY reports	via bit 3.2292.6 that	•							

2/ 142 SC 142.2.4.3 P5516 L 38 # 1-11	C/ 142A SC 142A.1 P6976 L19 # 1-13
ramer, Glen Broadcom Corporation	Kramer, Glen Broadcom Corporation
Comment Type E Comment Status X	Comment Type TR Comment Status X
Typo in the sentence "Note that the interleaver and de-interleaver area reverse mapping (permutation) of each other." The word "area" probably was intended to be "are a". Note that almost the same sentence is repeated on line 51 on the same page.	*** Comment submitted with the file 8023dc_142A_1_clean.pdf;8023dc_142A_1_diff.pdf attached ***
SuggestedRemedy	The text shows the 128-bit sequence that is used to control 128 switches. However, then is no indication which bit is intended for which switch. It is ambiguous whether the least-
Eliminate the repetition by deleting the following two sentences on lines 38-39: "Note that the interleaver and de-interleaver area reverse mapping (permutation) of each other. That	significant bit (bit on the left side) controls switch 0 or switch 127.
is, the Omega and reverse Omega networks are just the reverse of the data flow of each other." Proposed Response Response Status O	The model that was used to generate the test vectors shown in Annex 142A had the leas significant bit controlling switch 0 and the most significant bit controlling switch 127. Also for each subsequent stage, the bit sequence was rotated left, not right as implied on line 26 and 33.
	SuggestedRemedy
©/ 142A SC 142A.2 P6978 L16 # ∥-12	 Modify the subclause 142A.1 as shown in the attached files 8023dc_142A_1_clean.pdf a 8023dc_142A_1_diff.pdf.
Gramer, Glen Broadcom Corporation Comment Type E Comment Status X	The proposed new text also uses the bit sequence format similar to what is done in subclause 142.1.3.1
In Table 142A-2, the second row that shows the bit order shall be part of the table header.	Proposed Response Response Status O
SuggestedRemedy	
Make the line between rows 2 and 3 thick. Make sure the rows 1 and 2 are repeated on every page where the table header is repeated.	C/ 142 SC 142.3.1 P5529 L27 # 1-14
Apply the same change to tables 142A-3 through 142A-6.	Kramer, Glen Broadcom Corporation
	Comment Type TR Comment Status X
Proposed Response Response Status O	There is a mistake in Figure 142-12. The box that shows "Parity bit interleaver" (lower le side) should actually say "Information bit interleaver"
	SuggestedRemedy Modify as indicated.
	·

		L 11	# 45		~				# 1-17
C/ 142 SC 142.2.4.2	2 P5516	211	# I-15	C/ 142 S	C 142.2.4.3	3	P 5518	L 1	# 1-17
ramer, Glen	Broadcom Co	rporation		Kramer, Glen		E	Broadcom Cor	poration	
Comment Type TR	Comment Status X			Comment Type	TR	Comment St	tatus X		
*** Comment submitted	d with the file FEC_Encoding	_process.pdf atta	ached ***	*** Comme	ent submitte	d with the file Ne	ew_figure_142	-8.pdf attached	***
interleaved first and the that the parity bits are t fact that only 10 seed v	cribes the FEC encoding proc en punctured. This is not corr first punctured and then interl values are provided for parity ts before puncturing and 10 c	ect. The figure 1 eaved. This orde circulants in tabl	42-5 properly shows er is also implied by the le 142-6. The parity	figure, nor right to left each 2x2 s	the surround . Also, no ex witch.	ding text explain	whether the 8	stages go from	nentation. Neither this n left to right or from plock are controlled by
SuggestedRemedy			-	SuggestedRen	•	about in the att	bachad file Nev	u figura 140.0	ndf. The new figure
,	ing process description as sh	own in FEC_enc	oding_process.pdf	clarifies the	e order of sv		matches the	model used to p	.pdf. The new figure produce the test vector
Proposed Response	Response Status O			SHOWITHTA	111167 1420.	Also, mapping c			u.
				On page 5 "and	517, add the	e following sente	nce at the end	d of the first par	agraph, after the word
C/ 142 SC 142.2.4.2 Kramer, Glen	2 P5514 Broadcom Co	L19	# I-16	"The inputs	and output		127) are c	onnected to bits	s ix2 and ix2+1 of a 2
,		rporation		bit data chi		ditor: all four occ	urrences of 'i'	are in italics)	
Commont Lyno E	Commont Status Y								
	Comment Status X does not convey the intende ing.	d meaning. This	section describes the	Proposed Resp	oonse	Response St	atus O		
The subclause caption process of FEC encodi	does not convey the intende	d meaning. This	section describes the		C 142A.2	Response St		L 32	# 1-18
The subclause caption process of FEC encodi uggestedRemedy	does not convey the intende	Ū	section describes the	CI 142A S		·	P 6982		# [<mark>I-18</mark>
The subclause caption process of FEC encodi SuggestedRemedy Replace "FEC encoder	does not convey the intende ing.	Ū	section describes the	<i>Cl</i> 142A <i>S</i> Kramer, Glen	C 142A.2	·	P 6982 Broadcom Cor		# [<mark>-18</mark>
The subclause caption process of FEC encodi SuggestedRemedy Replace "FEC encoder	does not convey the intende ing. r processing" with "FEC enco	Ū	section describes the	Cl 142A S Kramer, Glen Comment Type *** Comme 8023dc 14	C 142A.2 TR ent submitte	E Comment St d with the file ed test vectors.	P 6982 Broadcom Cor tatus X	poration	# [<u>-18</u> ntlv.txt;ldpc_tv5_post
The subclause caption process of FEC encodi uggestedRemedy Replace "FEC encoder	does not convey the intende ing. r processing" with "FEC enco	Ū	section describes the	Cl 142A S Kramer, Glen Comment Type *** Comme 8023dc_14 nc_post_in In the table produced f	C 142A.2 TR ent submitte 2A_correcte tlv.txt attach 142A-4, the	E Comment Si d with the file ed_test_vectors. ned *** e last vector TV3 g using the desci	P6982 Broadcom Cor tatus X pdf;ldpc_tv4_t 3[56] is incorre	poration post_enc_pre_i ect. It does not r	ntlv.txt;ldpc_tv5_post
The subclause caption process of FEC encodi uggestedRemedy Replace "FEC encoder	does not convey the intende ing. r processing" with "FEC enco	Ū	section describes the	Cl 142A S Kramer, Glen Comment Type *** Comme 8023dc_14 nc_post_in In the table produced f through Tv	C 142A.2 TR ent submittee 2A_correcte tlv.txt attach 142A-4, thu rom TV2[56 '3[55] are al	E Comment St d with the file ed_test_vectors. ned *** e last vector TV3 g using the descu l correct.)	P6982 Broadcom Cor tatus X pdf;ldpc_tv4_; B[56] is incorre ribed deinterle	poration post_enc_pre_i ect. It does not r eaving process.	ntlv.txt;ldpc_tv5_post
The subclause caption process of FEC encodi SuggestedRemedy Replace "FEC encoder	does not convey the intende ing. r processing" with "FEC enco	Ū	section describes the	Cl 142A S Kramer, Glen Comment Type *** Comme 8023dc_14 nc_post_in In the table produced f through Tv	C 142A.2 TR ent submitte 2A_correcte tlv.txt attach on TV2[56 3[55] are al of the incor	E Comment St d with the file ed_test_vectors. ned *** e last vector TV3 g using the descu l correct.)	P6982 Broadcom Cor tatus X pdf;ldpc_tv4_; B[56] is incorre ribed deinterle	poration post_enc_pre_i ect. It does not r eaving process.	ntlv.txt;Idpc_tv5_post match the vecor (Vectors TV3[0]
The subclause caption process of FEC encodi SuggestedRemedy Replace "FEC encoder	does not convey the intende ing. r processing" with "FEC enco	Ū	section describes the	Cl 142A S Kramer, Glen Comment Type *** Comme 8023dc_14 nc_post_in In the table produced f through TV As a result SuggestedRen The attach Machine-re Idpc_tv4_p	C 142A.2 TR ent submitte 2A_correcte tlv.txt attach a 142A-4, the rom TV2[56] 3[55] are al of the incor nedy ed file 80236	E Comment St d with the file ed_test_vectors. ned *** e last vector TV3] using the desca l correct.) rrect TV3[56], all dc_142A_correct are also attache e_intlv.txt	P6982 Broadcom Cor tatus X pdf;Idpc_tv4_r 3[56] is incorre ribed deinterle the TV4 and ⁻	poration post_enc_pre_i ect. It does not r aving process. TV5 vectors are	ntlv.txt;Idpc_tv5_post match the vecor (Vectors TV3[0]
The subclause caption process of FEC encodi SuggestedRemedy	does not convey the intende ing. r processing" with "FEC enco	Ū	section describes the	Cl 142A S Kramer, Glen Comment Type *** Comme 8023dc_14 nc_post_in In the table produced f through TV As a result SuggestedRen The attach Machine-re Idpc_tv5_p	C 142A.2 TR Int submitter 2A_corrected tiv.txt attach attach 142A-4, the rom TV2[56 [3[55] are all of the incorrected adable files ost_enc_pro- ost_enc_pro-	E Comment St d with the file ed_test_vectors. ned *** e last vector TV3] using the desca l correct.) rrect TV3[56], all dc_142A_correct are also attache e_intlv.txt	P6982 Broadcom Cor tatus X pdf;Idpc_tv4_j 3[56] is incorre ribed deinterle the TV4 and ⁻ tted_test_vectored:	poration post_enc_pre_i ect. It does not r aving process. TV5 vectors are ors.pdf shows t	ntlv.txt;Idpc_tv5_post match the vecor (Vectors TV3[0] e inorrect as well. he correct test vector

CI 0	SC 0		Р	L	# I-19	C/ 138	SC ·	138.5.2		P 5378	L10	# 1-20
Ran, Ad	ee		Cisco Syster	ms, Inc.		Ran, Adee			C	isco System	is, Inc.	
Commei	nt Type T	R C	Comment Status X			Comment	Туре	TR	Comment Sta	atus X		
*** (Comment sub	mitted with	n the file ran_3dc_01_0	0122.pdf attached] ***				levels in the sig ols zero, one, tw			est to highest shall
spec	cific subclaus	es (PMD t	ransmit and receive fur	nctions), and a fe	trical stream", mostly in w additional instances.	PMD:I	S_UNIT					ce interface primitive ossible values of this
com sym	munication p	arlance, "s	ter to continuously moo stream" typically denote . The appropriate term	es a series of disc		121.5.	orrespor 2: "The	highest o	in other clauses ptical power leve the lowest shall (el in each sig	nal stream sha	
			D Transmit function sub s, probably due to an in			The sa	ame issi		in similar text in		_ ,	
			ream" are in AUI-C2M a n signal" or "clean patte		ould be changed to				ged to match tha proposed change			possible
			d for clarity and consist			Suggested	Remed	ly				
runn	ning ones.	lave been	inherited by multiple pr	ojects, and to co	nunde in currently				tx_symbols zero ro, one, two, and			ctively" to "correspond
00	tedRemedy											
			ation ran_3dc_01_0122 d the proposed changes						139.5.2, 140.5.2, 150.11.4.1, 160		0.5.2, and in PI	CS items in 138.11.4.1,
^{>} ropose	ed Response	R	esponse Status O				ition, ch e correc	•	S item F6 in 15	1.13.4.1 to m	natch the text in	151.5.2 (which does no
						Proposed	Respon	se	Response Sta	ntus O		

C/ 138 SC	C 138.5.3	P 5378	L 19	# I-21	CI 6	SC 6.4		P 13	L18	# <u>1-</u> 23
Ran, Adee		Cisco Systems	s, Inc.		Fieldsend,	Andrew	Ν	one - Self-fu	Inded	
Comment Type	TR	Comment Status X			Comment	Type G	Comment Sta	atus X		
		levels in each signal in order Is zero, one, two, and three,		highest shall			his paragraph shou pulverise and shred			options rather than the paragraph.
"rx_symbols	s" is undefine	ed. Rx_symbol is the parame	ter of the servic	ce interface primitive	Suggested	IRemedy				
	NTDATA_i.ir	ndication. The sentence above					o paragraphs, starting on the" on line		nd paragraph at	the sentence
SuggestedReme	edy				Proposed	Response	Response Sta	tus O		
		rx_symbols zero, one, two, a		ctively" to "correspond						
to rx_symbo	ol values zer	o, one, two, and three, respe	ctively".		C/ 138	SC 138.6		P5380	L16	# 1-24
		39.5.3, 140.5.3, 150.5.3, 160	.5.3, and in PIC	CS items in 138.11.4.1,	Ran, Adee		C	isco System		π <u>1-2-</u>
139.13.4.1,	140.12.4.1,	150.11.4.1, 160.12.4.1.			Comment		Comment Sta		io, mo.	
In addition, o	change PIC	S item F9 in 151.13.4.1 to ma	atch the text in	151.5.3 (which does not					ransmit or receiv	e lanes) for 100GBASE-
require corre	ection).				SR2, 2	200GBASE-SF	R4, or 400GBASE-S	SR8 <> the	ere is no need to	define the physical
Proposed Respo	onse	Response Status O				ng of the lanes ement."	s, as the RS-FEC su	ıblayer is ca	pable of receivin	g the lanes in any
CI6 SC	C 6.4	P 13	L16	# 1-22			er only in 100GBAS capable of receiving			and 400GBASE-SR8, ent.
Fieldsend, Andre	ew	None - Self-fur	nded		Suggested			5		
Comment Type	G	Comment Status X				-	FEC sublayer is car	bable" to "as	the RS-FEC an	d PCS sublayers are
This paragra	aph (and the	relevant definitions) indicate	e that pulverise	and shred are now	capab		, ,			,
definitions (in resulting "sm	in section 3. nall particles	e to improvements in recons 1) of both pulverise and shre " (in fact, pulverise allows fo	d do not specify r grinding to a p	/ the size of the bowder) so it is not clear	Proposed	Response	Response Sta	tus O		
		inappropriate as their definiti The definition of disintegrate			CI 33	SC 33.4.9.	.1.1	P1369	L 34	# I-2 5
		nt parts to which the device			Ran, Adee			isco System		
SuggestedReme	edy				Comment		Comment Sta	-	,	
		a proposed change as the cong this issue for clarification.	mment may aff	fect other areas of the		51	is a stray period afte		er 100.	
Proposed Respo		Response Status O			Suggested Delete	Remedy the period				
					Proposed	Response	Response Sta	tus O		

CI 33	SC 33.3.7.2.1	P1155	L 50	# I-26	C/ 83	SC 83.3	P3495	L16	# I <u>-</u> 29
Ran, Adee		Cisco Systems	s, Inc.		Ran, Adee		Cisco Syster	ms, Inc.	
comment	Туре Е	Comment Status X			Comment	Type TR	Comment Status X		
Equati	on (33–10) is in ex	tremely small print compare	∋d to other equa	itions.	*** Coi	mment submitte	ed with the file image.png;ran	_3dc_02_0122.p	odf attached ***
<i>Suggested</i> Enlarg	-	natch other equations.				rms "ingress " a th inconsistent	and "egress" appear in severa meaning.	al places without	being defined in 802.3,
Proposed	Response	Response Status O					ire used with the implied mea ium", respectively. This shou		
52 J	SC 52.8.1 8	P 2398	L 8	# 1-28			hey are used with other mear , it would be preferable to use		
an, Adee		Cisco Systems	s, Inc.		Suggestea				ion tenns instead.
omment		Comment Status X			•••	•	for ingress/egress:		
expres	sion depends on t	52–19 has SJ value expres ne units of f (which are not s number of UI (as the column	specified) and th	ne result has a	1.4.x E	gress: the dire	ction of data and signals from ction of data and signals from		
		r similar tables - Table 53–1 le 114–10, Table 121–12, T					egress power" to "PSD mas item 10PPMD-27).	k" 62.3.5.1.3 (bot	th heading and body)
	· · · ·	able 86A–7 (with different e	,		Chang	e "egress" to "ti	ansmission" and "ingress" to	"reception" in 90).1 and 90.4.1.2.
	mmon understand	ling is that f is in Hz in all of	the above table	es.	See ad	ccompanying pr	esentation ran_3dc_02_0122	2.	
The co		0			Proposed	Response	Response Status 0		
lt is su		ie value as "2×10^5 Hz / f" h his would be clear for reade							
It is su the ap	propriate values. T				C/ 33	SC 33.4.9.1	P1369	L12	# 1-30
It is su the ap <i>Suggested</i>	propriate values. T Remedy								# [-30
It is su the ap <i>uggestea</i> Chang Apply 114–1	propriate values. T <i>IRemedy</i> e "10^5 / f" to "10^ similar changes in 0, Table 121–12, T	his would be clear for reade	Table 89–12, T	allý correct. able 95–11, Table	Maguire, V Comment	′alerie <i>Type</i> E	P1369 The Siemon <i>Comment Status</i> X tation of the accepted resolut	Company	
It is su the ap <i>uggested</i> Chang Apply	propriate values. T <i>IRemedy</i> e "10^5 / f" to "10^ similar changes in 0, Table 121–12, T	his would be clear for reade 5 Hz / f" in Table 52–19. Table 87–13, Table 88–13,	Table 89–12, T	allý correct. able 95–11, Table	Maguire, V Comment	′alerie <i>Type</i> E plete implemen	The Siemon Comment Status X	Company	
It is su the ap <i>uggested</i> Chang Apply 114–1 86A–7	propriate values. T <i>Remedy</i> e "10^5 / f" to "10^ similar changes in 0, Table 121–12, T	his would be clear for reade 5 Hz / f" in Table 52–19. Table 87–13, Table 88–13,	Table 89–12, T 2, Table 158–12	allý correct. able 95–11, Table	Maguire, V Comment Incom Suggested	′alerie <i>Type</i> E plete implemen <i>IRemedy</i>	The Siemon Comment Status X	Company ion to comment :	

33	SC 33.8.3.5	P 1399	L10	# I-31	C/ 0	SC O		Р		L	# <mark>I-33</mark>
۱aguire, ۱	/alerie	The Siemon C	company		Ran, Adee			Cisco	Systems	, Inc.	
Comment	Type E	Comment Status X			Comment	Гуре Е		Comment Status	х		
PICS.	Per Merriam-We	ection" and "telecommunicatio ebster, scare quotes (also call	ed shudder quo	tes) are quotation	URLs i	n the draft	t have	various font styles, se	ometimes	s in adjacent li	ines.
phras	e (like putting the	skepticism or derision conce text "so-called" in front of the	word). Unless t					ce of URLs is blue up to this format.	nderlined	text. Places v	which are in different
• •	· ·	otes here doesn't seem correc	CL.		Suggested	Remedy					
Jggeste	dRemedy				Apply I	olue+unde	erline fo	rmat to the URLs in	he follow	ing locations:	
		E inserted as a "connection" of			P182 L						
<mids< td=""><td>pan PSE inserte</td><td>d as a connection or telecomr</td><td>nunications outl</td><td>et></td><td>P206 L</td><td></td><td></td><td></td><td></td><td></td><td></td></mids<>	pan PSE inserte	d as a connection or telecomr	nunications outl	et>	P206 L						
oposed	Response	Response Status 0			P217 L						
		•			P241 L P242 L						
					P242 L P1587						
1	SC 1.3	P181	L 53	# 1-32	P1638						
-				1 02	P1643						
n, Adee	9	Cisco Systems	s, Inc.		P2665	L53					
mment	Type G	Comment Status X			P2997	L54					
There	is no document	in the URL in footnote 12.			P4713						
The fo	otnote mentions	a draft "At the time IEEE Std	802.3-2015 was	s published", which is	P4900						
irrelev	ant for this revisi	on.			P5514						
					P5518						
		eference in two places, 54.8.1			P6279		-0 -0	E /			
		onnectors. I think the specifica			P6280 P6398	L50, 51, 5	52, 53,	54			
which	a document is o	penly available at https://mem	ibers.snia.org/do	ocument/dl/25914.	P6584						
uggeste	dRemedy				P6965						
Delete	e footnote 12.				P6966						
20.00					P6967						
Consi	der replacing the	reference to IEC 61076-3-113	3 with a referend	e to SFF-8470, or	P6976						
		two are equivalent.		•	Proposed I	Pasnanca		Response Status	0		
	-	•			FIUDUSEDI	vesponse		Response Status	U		

CI 30	SC 30.6.1.1.8	P1117	L 3	# <u>I-34</u>	C/ 40	SC 40.3.1.3.5	P1586	L 51	# <u>1-</u> 36
Ran, Adee	e	Cisco Systems	s, Inc.		Ran, Adee	9	Cisco System	is, Inc.	
Comment	Type TR	Comment Status X			Comment	Type E	Comment Status X		
		ets the requirements of the d 3/selectors/selectors.html"	escription on			error_n=1 when the ed by means of syr	condition (tx_enable_n * tx nbol substitution"	x_enable_n-2) =	1, error indication is
that ir		nition. The URL points to a 80 he IEEE 802.3 standard cont reference.			be eit		condition <condition>, <stat ition <condition> is satisfie ement>".</condition></stat </condition>		
		identical description and tables definition instead of an exte		the standard document,			n=1 when (tx_enable_n * tx nbol substitution" is clear.	_enable_n-2) =	1, error indication is
Suggeste	dRemedy				Occur	s 7 times in this su	bclause, once in 40.3.1.3.6	as well as in t	he corresponding PICS
	ge the quoted sent				Suggester				ie concepting i ree.
		ets the requirements of the s	elector field de	finitions in Annex 28A".	00	ge "when the condit	ion" to "when" in:		
Proposed	Response	Response Status O			Onany		ion to when in.		
					P1586				
C/ 96	SC 96.5.4.2	P3928	L32	# 1-35	P1587 P1593	7 L24, L25, L39, L4 3 L38	2, L45, L47		
Ran, Adee	9	Cisco Systems	s Inc						
Comment		Comment Status X	,		In PIC PCT1		owing items: PCT7, PCT11	, PCT12, PCT1	4, PCT15, PCT16,
The fo	51	is restarted here (footnote 1), previous foot	tnote was numbered		Response	Response Status O		
Suggeste	dRemedy								
Corre	ct footnote numbe	ring in section 7.							
Proposed	Response	Response Status 0							

C/ 91	SC 91.5.2.	6 P3	696	L 32	# 1-37		C/ 148	SC 148.4.4.6	i P	5949	L 20	# 1-39
Nicholl, S		Xilinx					Zimmermai					mScope, Marvell, SenTe
Comment	t Type E	Comment Status	x				Comment 7	Type T	Comment Statu		• •	• • •
is 257 Suggeste	7 bits wide. Thi dRemedy	rambled is inserted into is causes confusion. Th	ne diagram	should be cla	arified.		invalid_ unknov	_beacon_timer_ vn commands n	m enters RESYNC f done), the values of nay be sent. Since n and undesired be	tx_cmd a	and committed a	
		gure 119-7 are very sim hanges to Figure 91-4:		ire 91-4 and a	ire the basis for the		Suggestedl	Remedv				
- Re	move the arrov	v from the diagram		e. for the rows	pertaining to FEC I	lane	Insert "	tx_cmd <= NON	IE" and "committed state diagram, part		E" into RESYN	C state in Figure
0-3). - Re tx_sci - If text c - A same - No	 Add shading to the final cell/column of the table (i.e. for the rows pertaining to FEC lane -3). The shading should be different colour from the 5-bit pad shading. Replace "tx_scrambled" with "Resumption of 257-bit blocks" or "Resumption of 257-bit scambled blocks" If "Resumption of 257-bit tx_scrambled blocks" is chosen, then propose to make similate the colour as the new text, add an "=" (equal symbol) and a rectangle that is shaded the ame colour as the newly shared area Note that this diagram is consistent with latest P802.3ck/D3.0 Figure 161-3 and ideally ill remain consistent with Figure 161-3 						Proposed F	Response	Response Status	5 0		
roposed	l Response	Response Status	0									
/ 119	SC 119.2.4	4.4.1 P4	854	L 3	# I-38							
licholl, S	hawn	Xilinx	ſ									
Comment	t Type E	Comment Status	X									
in sev		GBASE-R alignment m or an area of 36x257-b bits wide.										
Suggeste	dRemedy											
- Re bits)"	eplace (in two p eplace (in two p	e following change(s) to laces) "am_txmapped 4 laces) "tx_scrambled 3	4x257-bit b	locks" with "a	、							
- Re - No	place "tx_scrar te that this diag	nbled 40x257-bit blocks gram is consistent with at with Figure 161-4				ally						

will remain consistent with Figure 161-4

- Note that Figure 119-8 "400GBASE-R alignment marker insert period" should be similarly modified to retain consistency with Figure 119-6

C/ 136	SC 136.8.11.7.1	P 5326	L 33	# <u>I-40</u>	CI 22	SC 22.2.4.2	P 722	L 26	# <u>I-42</u>
Slavick, Je	eff	Broadcom Inc			Grow, Rol	bert	Robert M Grow	/ Consulting	

Comment Type TR Comment Status X

The definition of lost training lock states "or the detection of a non-compliant input signal has occurred for 1ms". The original intent of this phrase was to identify if the remote end has stopped transmission of the training frames (e.g. squelched its transmitter). However, when the transmitter is in the transmit disable state (136.8.7) it is providing a specification compliant signal. We don't want to monitor for a signal that is below the Transmitter steady-state voltage minimum and above the Differential pk-pk output voltage with Tx Disabled (see Table 136-11).

In addition the "or" implies that you must do both a 20ms monitor of loss of frame lock AND detect the signal is no longer transmitting, since the variable is to assert if EITHER of the scenarios occur.

Lastly, this variable is used to exit out of the TRAINING LOCAL and TRAINING REMOTE states in which you are constantly receiving training frames, so the remote end would only squelch if it were to go to the QUIET state or be reset. The faster you follow along, the more robust the system will be (you enter QUIET before the remote end can return to TRAIN LOCAL). Thus, mandating a 1ms delay upon squelch detection does not provide any improvement to the system.

SuggestedRemedy

Change the definition of lost training lock to be:

Boolean variable that indicates disruption in the reception of training frames from the link partner. When use quiet in training is TRUE and the PMD control function (see Figure 136-7) is in TRAIN LOCAL or TRAIN REMOTE states, this variable is set to TRUE if local tf lock is FALSE continuously for a period of 20 ms. and may also be set to TRUE upon detection of an input signal consistent with a transmitter operating in the QUIET operating mode (see 136.8.2). It is set to FALSE otherwise.

Proposed Response

Response Status O

C/ 90 SC 90.1 P3679 L12 # 1-41

Zimmerman. George

ADI, APL Group, Cisco, CommScope, Marvell, SenTe

Comment Type ER Comment Status X

"with the gRS sublayer defined in 90.5" is the first use of gRS that I can find in the draft. Therefore gRS should be spelled out.

SugaestedRemedv

Change "with the gRS sublaver defined" to "with the generic Reconciliation Sublaver (gRS) defined"

Proposed Response Response Status 0

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID	1-43
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Page 12 of 28 1/3/2022 5:17:12 PM

Comment Type	ER	Comment Status X
The draft is ir	nconsisten	t in capitalization of "register". There is an inconsistent practice of
captilizing the	e word whe	en combined with a register number. This is most significant in

Clause 45, but applies to other clauses as well. (Inconsistencies go back to Clause 22 so this has existed for a long time.) The unnecessary capitalization is on references to a specific register. E.g., "Register 0" in Clause 22 or "Register 1.0" in Clause 45. Less frequently the capitalization is when associated with the register name The inconsistency in Table 22-6 is easy to see.

SuggestedRemedy

Search and replace the unnecessary capitalization. Unfortunately, a global search and replace won't work because sometimes, the word "Register" leads a sentence and needs to be capitalized, but a search and replace can be done by an editor for the >1000 occurances of the unnecessary capitalization.

Proposed Response		Response Status O		
C/ FM	SC FM	P1	L 26	# 1-43
Grow, Robert		Robert M Gro		
A	T	O		

Comment Type E Comment Status X

Don't forget to update copyright year here and next page, and in the footer when producing the next draft

SugaestedRemedv

Update framemaker variable and inspect front pages to update copyright year as necessary.

Proposed Response Response Status 0

C/ 119 SC 119.2.4.4.1 P4853 L41 # [-44	Cl 126 SC 126.3.4 P5056 L34 # 1-45	,
Ran, Adee Cisco Systems, Inc.	Wu, Mau-Lin MediaTek Inc.	
Comment Type E Comment Status X	Comment Type T Comment Status X	
The expression "every 81 920 × 257-bit blocks" is uncommon. The multiplication syn typically read as "times", but it does not make sense in this sentence.	bol is *** Comment submitted with the file Comments to IEEE 802.3-2021, D3.0.pdf attac	ched ***
A common phrasing in the standard is " <n> <k>-bit blocks" where n itself may be an</k></n>	The derived sequences of 'Sdn' is not correct due to the parenthesis put at the wro locations.	ong
expression involving multiplication (for example in 82.2.19.2.2 "n × 16384 66-bit bloc and in 91.5.2.6: "every 20 × 16384 66-bit blocks"), but with no multiplication symbol	s" SuggestedRemedy	
between the number of blocks n and the block-length number k. The numbers consti	ting Change the 'derived sequences' of 'Sdn' to	
n are usually written with no thousands separator to avoid confusion. It is suggested this convention consistently.		е
There are several similar expressions in clause 119: 119.2.4.4.1 P4853 L41 (this one) Figure 119–6, 6 instances	Proposed Response Response Status O	
Figure 119–8, 6 instances 119.2.4.4.2, P4856 L2	Cl 126 SC 126.2.2.11.1 P5039 L27 # 1 <u>-46</u>	
119.2.4.6 P4856 L48	Wu, Mau-Lin MediaTek Inc.	
119.2.5.5 P4862 L36 and L42	Comment Type T Comment Status X	
In addition, there are some instances of " <n> <k>-bit blocks" with thousands separa the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice)</k></n>		why e Figure
the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice) 133.2.2 P5251 L22 (twice)	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see	why e Figure
the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice)	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see 126.26)". This shall be a typo.	why e Figure
the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice) 133.2.2 P5251 L22 (twice) 133.2.4 P5252 L20 134.5.2.7 P5263 L5 152.5.3.6 P6136 L39	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see 126.26)". This shall be a typo. SuggestedRemedy Change to	why e Figure
the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice) 133.2.2 P5251 L22 (twice) 133.2.4 P5252 L20 134.5.2.7 P5263 L5 152.5.3.6 P6136 L39 SuggestedRemedy Edit the listed instances to have no multiplication symbol between the number of block	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons a "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see 126.26)". This shall be a typo. SuggestedRemedy Change to "FALSE PHY is not in state PCS_DATA (see Figure 126-26)." Proposed Response Response Status O	why e Figure
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the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice) 133.2.2 P5251 L22 (twice) 133.2.4 P5252 L20 134.5.2.7 P5263 L5 152.5.3.6 P6136 L39 <i>uggestedRemedy</i> Edit the listed instances to have no multiplication symbol between the number of blog and the block-length number, and no thousands separators in the numbers.	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons of "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see 126.26)". This shall be a typo. SuggestedRemedy Change to "FALSE PHY is not in state PCS_DATA (see Figure 126-26)." Proposed Response Response Status O	e Figure
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the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice) 133.2.2 P5251 L22 (twice) 133.2.4 P5252 L20 134.5.2.7 P5263 L5 152.5.3.6 P6136 L39 SuggestedRemedy Edit the listed instances to have no multiplication symbol between the number of blog and the block-length number, and no thousands separators in the numbers.	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons of "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see 126.26)". This shall be a typo. SuggestedRemedy Change to "FALSE PHY is not in state PCS_DATA (see Figure 126-26)." Proposed Response Response Status O (S CI 126 SC 126.2.2.12.1 P5039 L51 # 147 Wu, Mau-Lin MediaTek Inc.	PCS",
the number n. These separators reduce clarity and would better be removed. 133.2.1 P5251 L10 (twice) 133.2.2 P5251 L22 (twice) 133.2.4 P5252 L20 134.5.2.7 P5263 L5 152.5.3.6 P6136 L39 SuggestedRemedy Edit the listed instances to have no multiplication symbol between the number of blog and the block-length number, and no thousands separators in the numbers.	For 'TRUE', 'PHY is in state PCS_Data (see Figure 126-26)". There is no reasons of "PCS", instead of "PHY", is checked for "False, PCS is not in state PCS_Data (see 126.26)". This shall be a typo. SuggestedRemedy Change to "FALSE PHY is not in state PCS_DATA (see Figure 126-26)." Proposed Response Response Status Cl 126 SC 126.2.2.12.1 P5039 L51 Wu, Mau-Lin MediaTek Inc. Comment Type T Comment Status X For 'TRUE', 'PHY is currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain". There is no reasons why "Finstead of "PHY", is checked for "False, PCS is not currently performing a fast retrain".	PCS",
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C/ 118	SC 118.	1.5	P 4831	L	.25	# I-49	C/ 30	SC 30.	3.2.1.2		P1050	L 6	# 1 <u>-</u> 51
Ran, Adee	ŧ		Cisco Sys	tems, Inc.			Grow, Rol	bert			Robert M Grov	w Consulting	
Comment	Туре Т	С	omment Status X				Comment	Туре Е	R	Commer	t Status X		
n:" 200GA list. Ite betwee	AUI-n is a co em b in 120. en two adjac	ollective te 1.4 says " cent 200G	rm for the family of 200GAUI-n is a phy	electrical in sical instan	iterfaces lis	ions of the 200GAUI- sted in the subsequent ne connection physical instantiations	that w note t items alpha	ve are gene hat at line following o numeric in	erating in 6, sort o lon't hav the first	ncreasing ir order is clau /e any disce column. L	nconsistency in the se number in the ernable order, the	ne sort order of e Description co en 2.5GBASE a Type, one exam	nining will see 50GBASE
Ũ			renced to explain wh tender in the next p		0GAUI-n is	placed.	insert						t discern a consistent number" amendment
Suggested	Remedy						Suggeste	dRemedy					
Change the quoted sentence to: "A 200GMII Extender may use any of the following electrical interfaces for the connection between its PMA sublayers, as shown in Figure 118–1:"					s for the connection	aPhy is for	TypeList, a new enume	nd aMA erations	UType will of these at	ncrease. We ne tributes and mak	ed to make cleater it available to	ntries for aPhyType, ar what the insert point editors (e.g., Extensior	
Change the first sentence of the second paragraph to: "A 400GMII Extender may use any of the following electrical interfaces for the connection between its PMA sublayers, as shown in Figure 118–1:"					Attribute enumeration sort order on the "tools and resources" page) Re-sort the enumerations in D3.0 as required by the convention chosen.								
"A 400	GMII Exten	ider may u	se any of the follow	ng electrica	al interface	s for the connection	Re-so	ort the enur	neratior	ıs in D3.0 a	s required by the	e convention ch	osen.
"A 400 betwee	GMII Exten	ider may u sublayers,	se any of the follow	ng electrica	al interface	es for the connection	Beaci alpha My se	use we no l numeric so cond choic	longer h ort order ce would	ave enume consistent l be to inse	ration values incl with our modifica	luded in our spe ation of IEEE St ne xxBASE grou	ecifications, I favor a tyle consistent with 1.4. uping, but this would be
"A 400 betwee Proposed i	GMII Exten en its PMA s	ider may u sublayers, <i>Re</i>	se any of the follow as shown in Figure	ng electrica 118–1:"	al interface	s for the connection # 1-50	Beaci alpha My se difficu	use we no l numeric so econd choic Ilt to do for	longer h ort order ce would amendi	ave enume consistent l be to inse ments adde	ration values incl with our modifica rt at the end of th	luded in our spe ation of IEEE St ne xxBASE grou	ecifications, I favor a tyle consistent with 1.4. uping, but this would be
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"A 400 betwee Proposed I C/ 136 Ran, Adee Comment 'A coei	OGMII Extension en its PMA s <i>Response</i> <i>SC</i> 136 .9 <i>Type</i> T officient may	der may u sublayers, Re 9.3.1.5 C be set to	se any of the follow as shown in Figure esponse Status O P 5336 Cisco Sys comment Status X	ng electrica 118–1:" <i>L</i> tems, Inc.	.32	# [<u>1-50</u>	Beact alpha My se difficu Proposed C/ 78 Grow, Rol	use we no l numeric so cond choid lit to do for <i>Response</i> SC 78 . bert	longer h ort order ce would amendu amendu	ave enume consistent I be to inse nents adde <i>Response</i>	ration values incl with our modifica rt at the end of th d since dropping e Status O P3326 Robert M Grov	luded in our spe ation of IEEE St the xxBASE grou the enumeration <i>L</i> 23	ecifications, I favor a tyle consistent with 1.4. uping, but this would be on values.
"A 400 betwee Proposed I CI 136 Ran, Adee Comment 'A coel that co	OGMII Extension en its PMA s <i>Response</i> <i>SC</i> 136 . <i>Type</i> T officient may pefficient' - b	der may u sublayers, <i>Re</i> 9.3.1.5 0 be set to pout c(0) wil	se any of the follow as shown in Figure esponse Status O P5336 Cisco Sys omment Status X zero by asserting a	ng electric: 118–1:" tems, Inc. coefficient i	.32 request of	# [<u>1-50</u>	Beact alpha My se difficu Proposed Cl 78 Grow, Rol Comment	use we no l numeric so cond choid lit to do for <i>Response</i> SC 78 . bert <i>Type</i> E	longer h ort order ce would amendi 1.41	ave enume consistent I be to inse nents adde <i>Response</i>	ration values incl with our modifica rt at the end of th d since dropping e Status O P3326 Robert M Grow t Status X	luded in our spe ation of IEEE St the xxBASE grou the enumeration <i>L</i> 23 w Consulting	ecifications, I favor a tyle consistent with 1.4. uping, but this would be on values. # <u>I-52</u>
"A 400 betwee Proposed I Cl 136 Ran, Adee Comment 'A coel that co The re Suggestee Chang 'Any of	OGMII Extension en its PMA s Response SC 136.9 Type T officient may perficient' - b equirements dRemedy ge the quoted f the coeffici	9.3.1.5 be set to z but c(0) will to set to z d sentenc ients c(-2)	se any of the follow as shown in Figure esponse Status O P5336 Cisco Sys omment Status X zero by asserting a I be set to 1 this wa zero are only for c(-2 e to: , c(-1), or c(1) may I	ng electric: 118–1:" tems, Inc. coefficient i ,), c(-1) and	. 32 request of ¹ d c(1).	# [<u>I-50</u> "no equalization" for	Beact alpha My se difficu Proposed Cl 78 Grow, Rol Comment Table rate. name	use we no l numeric so cond choid lit to do for <i>Response</i> <i>SC</i> 78. bert <i>Type</i> E 78-1 does 10BASE a alphanum	longer h ort order ce would amendi 1.41	ave enume consistent I be to inse ments adde <i>Response</i> <i>Commer</i> em to have use order, er, etc. Wit	ration values incl with our modifica rt at the end of th d since dropping e Status O P 3326 Robert M Grow at Status X a consistent logic 1000BASE are ir h 25GBASE hitti	luded in our spe ation of IEEE St the xxBASE grou the enumeration <i>L</i> 23 w Consulting cal order other to n neither clause ng a dozen entit	ecifications, I favor a tyle consistent with 1.4. uping, but this would be on values.
"A 400 betwee Proposed I Cl 136 Ran, Adee Comment 'A coel that co The re Suggestee Chang 'Any of reques	OGMII Extension en its PMA s Response SC 136.9 Type T fficient may pefficient' - b equirements dRemedy ge the quoted of the coefficient st of "no equivalence of the quoted of the coefficient of the coefficient of the coefficient of the quoted of the coefficient of the coefficient of the coefficient of the quoted of the quoted of the coefficient of the coefficient of the coefficient of the coefficient of the quoted of the coefficient of the coefficient of the quoted of the coefficient	9.3.1.5 Point c(0) will to set to z d sentence ients c(-2) valization"	se any of the follow as shown in Figure esponse Status O P5336 Cisco Sys omment Status X zero by asserting a I be set to 1 this wa zero are only for c(-2 e to: , c(-1), or c(1) may I for that coefficient'.	ng electric: 118–1:" tems, Inc. coefficient i ,), c(-1) and	. 32 request of ¹ d c(1).	# [<u>I-50</u> "no equalization" for	Beact alpha My se difficu Proposed Cl 78 Grow, Rol Comment Table rate. name	use we no l numeric so econd choid lit to do for <i>Response</i> SC 78 . bert <i>Type</i> E 78-1 does 10BASE a alphanum ss, perhap	longer h ort order ce would amendi 1.41	ave enume consistent I be to inse ments adde <i>Response</i> <i>Commer</i> em to have use order, er, etc. Wit	ration values incl with our modifica rt at the end of th d since dropping e Status O P 3326 Robert M Grow at Status X a consistent logic 1000BASE are ir h 25GBASE hitti	luded in our spe ation of IEEE St the xxBASE grou the enumeration <i>L</i> 23 w Consulting cal order other to n neither clause ng a dozen entit	ecifications, I favor a tyle consistent with 1.4. uping, but this would be on values. # <u>I-52</u> than grouping by data order or PHY Type ries with amendments in
"A 400 betwee Proposed I Cl 136 Ran, Adee Comment 'A coel that co The re Suggesteo Chang 'Any of reques	OGMII Extension en its PMA s Response SC 136.9 Type T officient may perficient' - b equirements dRemedy ge the quoted f the coeffici	9.3.1.5 Point c(0) will to set to z d sentence ients c(-2) valization"	se any of the follow as shown in Figure esponse Status O P5336 Cisco Sys omment Status X zero by asserting a I be set to 1 this wa zero are only for c(-2 e to: , c(-1), or c(1) may I	ng electric: 118–1:" tems, Inc. coefficient i ,), c(-1) and	. 32 request of ¹ d c(1).	# [<u>I-50</u> "no equalization" for	Beact alpha My se difficu Proposed Cl 78 Grow, Rol Comment Table rate. name proce Suggeste Pick a	use we no l numeric so cond choid ilt to do for <i>Response</i> SC 78 . bert <i>Type</i> E 78-1 does 10BASE a alphanum ss, perhap <i>dRemedy</i>	longer h rt order ce would amendi 1.41 	ave enume consistent l be to inse ments adde <i>Response</i> <i>Commer</i> m to have use order, er, etc. Wit should be a table. Cor	ration values incl with our modificant at the end of the disince dropping <i>Status</i> O <i>P</i> 3326 Robert M Grow <i>Status</i> X a consistent logic 1000BASE are in h 25GBASE hitti convention for o	luded in our spe ation of IEEE St he xxBASE grou the enumeration <i>L</i> 23 w Consulting cal order other to neither clause ng a dozen entro order of these E	ecifications, I favor a tyle consistent with 1.4. uping, but this would be on values. # <u>I-52</u> than grouping by data order or PHY Type ries with amendments in

	SC 44.1.4.4	P1716	L17	# I <u>-</u> 53	C/ 125	SC 125.3	P 5022	L 25	# <u>1-</u> 56
Grow, Rol	bert	Robert M Grow	Consulting		Grow, Rob	ert	Robert M Gro	w Consulting	
Comment	tType E	Comment Status X			Comment	Туре Е	Comment Status X		
appea case	ars to be no consi	ables for the various PHY Type stent order for inclusion within y might be valuable as we now	this table. This	is perhaps another	conver Suggested	ntion is used he <i>Remedy</i>	/IDs are listed after the BASE ar with the PMD preceding the nis this and similar sublayer de	e PMA.	/), the opposite
Suggeste	dRemedy						,	ay lables.	
	a sort order for this ′Type and aPHYT	s table. Consider if sort order : ypeList.	should be consi	stent with clause 30	Proposed	Response	Response Status O		
Proposed	Response	Response Status O			C/ 131	SC 131.1.3	P 5234	L 37	# I-57
					Grow, Rob	ert	Robert M Gro	w Consulting	
CI 80	SC 80.1.4	P 3390	L 48	# I-54	Comment	Type E	Comment Status X		
Grow, Rol	bert	Robert M Grow	Consulting		No cor	nsistent order fo	r the PHY Types in Tables 13	1-1 through Tab	le 131-3.
Comment	tType E	Comment Status X			Suggestea	Remedy			
		nce been organized by clause o			Pick a	sort order cons	istent with other introductory of	lauses.	
longe	r appears to be th	e case, only grouping of data i	rates is consiste	nt.	Dueueeed	Doononoo	-		
					Proposed	response	Response Status O		
00	dRemedy				Proposea	response	Response Status 0		
Pick a	a sort order for thi	s table as well as Table 80-2 th							
Pick a order	a sort order for this should be consist	tent with clause 30 aPHYType			C/ 131	SC 131.4	P5239	L 24	# [-58
Pick a order	a sort order for thi				C/ 131 Grow, Rob	SC 131.4 ert	, P 5239 Robert M Gro		# I <mark>-58</mark>
Pick a order	a sort order for this should be consist	tent with clause 30 aPHYType			Cl 131 Grow, Rob Comment	SC 131.4 ert <i>Type</i> E	P 5239 Robert M Gro Comment Status X	w Consulting	
Pick a order Proposed	a sort order for this should be consist Response SC 105.1.3	tent with clause 30 aPHYType Response Status O P 4431	and aPHYType		Cl 131 Grow, Rob Comment This ta	SC 131.4 ert <i>Type</i> E ble is another in	, P 5239 Robert M Gro	w Consulting	
Pick a order Proposed	a sort order for this should be consist <i>l Response</i> SC 105.1.3 bert	tent with clause 30 aPHYType <i>Response Status</i> O <i>P</i> 4431 Robert M Grow	and aPHYType	List.	Cl 131 Grow, Rob Comment This ta	SC 131.4 ert <i>Type</i> E ble is another in to clause (clau	P 5239 Robert M Gro <i>Comment Status</i> X n the group of delay constraint	w Consulting	
Pick a order Proposed Cl 105 Grow, Rol	a sort order for this should be consist I Response SC 105.1.3 bert I Type E	tent with clause 30 aPHYType <i>Response Status</i> O <i>P</i> 4431 Robert M Grow <i>Comment Status</i> X	and aPHYType <i>L</i> 19 Consulting	List. # <u>1-55</u>	Cl 131 Grow, Rob Comment This ta clause Suggested	SC 131.4 ert Type E ble is another in to clause (clau Remedy	P 5239 Robert M Gro <i>Comment Status</i> X n the group of delay constraint	w Consulting ts tables where v	
Pick a order Proposed C/ 105 Grow, Rol Comment This t longe not ha	a sort order for this should be consist I Response SC 105.1.3 bert t Type E table may have or r appears to be th	tent with clause 30 aPHYType Response Status O P4431 Robert M Grow Comment Status X nce been organized by clause of the case, only grouping of data is per of PHY Types. In Table 105	and aPHYType <i>L</i> 19 Consulting order in the desc rates is consiste	List. # 1 <u>-55</u> pription, but that no nt. Table 105.2 does	Cl 131 Grow, Rob Comment This ta clause Suggested	SC 131.4 ert Type E ble is another in to clause (clau Remedy sort order for th	P 5239 Robert M Gro <i>Comment Status</i> X n the group of delay constraint ses 105 and 125).	w Consulting ts tables where v	
Pick a order Proposed Cl 105 Grow, Rol Comment This t longe not ha the m	a sort order for this should be consist I Response SC 105.1.3 bert t Type E table may have or r appears to be th ave the same order	tent with clause 30 aPHYType Response Status O P4431 Robert M Grow Comment Status X nce been organized by clause of the case, only grouping of data is per of PHY Types. In Table 105	and aPHYType <i>L</i> 19 Consulting order in the desc rates is consiste	List. # 1 <u>-55</u> pription, but that no nt. Table 105.2 does	Cl 131 Grow, Rob Comment This ta clause Suggested Pick a	SC 131.4 ert Type E ble is another in to clause (clau Remedy sort order for th	P 5239 Robert M Gro <i>Comment Status</i> X In the group of delay constrain ses 105 and 125). nis this and similar sublayer de	w Consulting ts tables where v	
Pick a order Proposed Cl 105 Grow, Rol Comment This t longe not ha the m Suggeste Pick a	a sort order for this should be consist I Response SC 105.1.3 bert t Type E table may have or r appears to be th ave the same order iddle of the 25GB dRemedy a sort order and a	tent with clause 30 aPHYType Response Status O P4431 Robert M Grow Comment Status X nce been organized by clause of the case, only grouping of data is per of PHY Types. In Table 105	and aPHYType <i>L</i> 19 Consulting order in the deso rates is consiste 5-3, it isn't clear 05-1 through 105	List. # [<u>-55</u> cription, but that no nt. Table 105.2 does why 25GBASE-T is in 5-3. Consider if sort	Cl 131 Grow, Rob Comment This ta clause Suggested Pick a	SC 131.4 ert Type E ble is another in to clause (clau Remedy sort order for th	P 5239 Robert M Gro <i>Comment Status</i> X In the group of delay constrain ses 105 and 125). nis this and similar sublayer de	w Consulting ts tables where v	

C/ 137	SC 137.9.2	P 5360	L 39	# I <u>-</u> 59	CI 52	SC :	52.14.4	P 2417	L 46	# <u>1-</u> 60
Ben-Artsi	, Liav	Marvell Semic	onductor, Inc.		Ran, Adee			Cisco System	s, Inc.	
Comment	t Type TR	Comment Status X			Comment 7	уре	TR	Comment Status X		
		ne characteristics described h urement environment and set			"NOTE MDI"	—Com	pliance te	esting is performed at TP2 ar	nd TP3 as defir	ed in 52.4.1, not at the

measure in a specific bandwidth and one may also need to manipulate the transmit output waveform according to allowed equalization capabilities. No such measurement environment was described in the text nor was the option to

manipulate Tx equalization during Tx compliance measurements.

For reference In a paragraph preceding table 120D-1 it is stated that: "The transmit output waveform may optionally be manipulated..." and "A test system with a fourth-order Bessel-Thomson low-pass response with 33 GHz 3 dB bandwidth is to be used..."

SugaestedRemedv

-Append to the first sentence of 137.9.2 (The transmitter shall meet the specifications given in Table 120D-1): "with a measurement system as specified in 120D.3.1".

-Append to exception a): Linear fit pulse peak is measured with transmit equalization off (preset 1, see 136.9.3.1.3).

-Append to exception b). The state of the transmit equalization may be manipulated and controlled by the PMD control function specified in 136.8.11, or by equivalent means.

Proposed Response

Response Status 0

MDI" While it is true that compliance testing for transmitters is performed at TP2 (which is not the same as the MDI) and not at the MDI. TP3 is at the MDI, and for receiver compliance

testing, the MDI is where the signal is applied; TP3 is the end of the Fiber optic cabling (channel) which is typically replaced by test equipment in receiver testing. Thus, claiming that receiver compliance testing is not done at the MDI is incorrect and confusing.

In contrast, some newer clauses use text specific to transmitter compliance testing. For example in 86.10.3.3: "NOTE—Transmitter compliance testing is performed at TP2 as defined in 86.5.1, not at the MDI". This text is correct, and it appears in 15 clauses (86, 87, 88, 89, 95, 121, 122, 123, 124, 139, 140, 151, 154, 159, 160).

The NOTE that is not specific to transmitters still appears in 11 places, listed below. As can be seen, the old version was inherited by some new clauses, and persist in the currently running P802.3db. It should be changed to be specific to transmitters, for consistency and correctness.

52.4.1 53.14.3 58.9.4 59.9.4 60.11.4 75.9.4 112.10.3 138.10.3 141.9.4 150.10.3 158.11.3

SuggestedRemedy

Change the notes in the 11 subclauses listed in the comment to match the text in 86.10.3.3, keeping the references to the definition of TP2 for each clause respectively.

Proposed Response Response Status **O**

If 121 SC 121.8.5.4 P4928 L3 # [-61] an, Adee Cisco Systems, Inc. comment Type E Comment Status X "The reference equalizer for 200GBASE-DR4 is a 5 tap, T spaced, feed-forward equalizer (FFE), where T is the symbol period." "5-tap" and "T-spaced" are compound adjectives, and should be written with a hyphen, just like "feed-forward". Similar text is used in 122.8.5.4, 138.8.5.1, 140.7.5.1, 150.8.5.1, and 160.7.5.4. uggestedRemedy Change to "5-tap" and "T-spaced" in the 6 instances listed in the comment.	C/J SC J.1 P6317 L # [1-65] Maytum, Michael None-Retired None-Retired Comment Type TR Comment Status X The three test voltages a) or b) or c) could be used by a manufacturer for verifying an
Comment Type E Comment Status X "The reference equalizer for 200GBASE-DR4 is a 5 tap, T spaced, feed-forward equalizer (FFE), where T is the symbol period." "5-tap" and "T-spaced" are compound adjectives, and should be written with a hyphen, just like "feed-forward". Similar text is used in 122.8.5.4, 138.8.5.1, 140.7.5.1, 150.8.5.1, and 160.7.5.4. uggestedRemedy	Comment Type TR Comment Status X
"The reference equalizer for 200GBASE-DR4 is a 5 tap, T spaced, feed-forward equalizer (FFE), where T is the symbol period." "5-tap" and "T-spaced" are compound adjectives, and should be written with a hyphen, just like "feed-forward". Similar text is used in 122.8.5.4, 138.8.5.1, 140.7.5.1, 150.8.5.1, and 160.7.5.4. <i>uggestedRemedy</i>	
 (FFE), where T is the symbol period." "5-tap" and "T-spaced" are compound adjectives, and should be written with a hyphen, just like "feed-forward". Similar text is used in 122.8.5.4, 138.8.5.1, 140.7.5.1, 150.8.5.1, and 160.7.5.4. <i>uggestedRemedy</i> 	The three test voltages a) or b) or c) could be used by a manufacturer for verifying an
roposed Response Response Status O	isolating transformer. However, the voltages of a) and b) do not represent conditions that occur in the field and should not be used to verify the entire wired Ethernet interface white may have components that suffer hazardous breakdown under non-impulse conditions. I 60664-1, Insulation coordination for equipment within low-voltage supply systems - Part Principles, requirements and tests warns "While tests with AC and DC voltages of the same peak value as the impulse test voltage specified in Table F.6 verify the withstand capability of clearances, they more highly stress solid insulation because the voltage is applied for a longer duration. They can overload and damage certain solid insulations. Technical committees should therefore consider this when specifying tests with AC or D voltages as an alternative to the impulse voltage test given in 6.4.5.". In addition, test voltages a) and b) do not have defined prospective short-circuit currents leading to possi damaging high currents.
If 146 SC 146.8.6 P 5880 L # [-62 laytum, Michael None-Retired comment Type TR Comment Status X PELV is mentioned, but not explained uggestedRemedy On page 232 add PELV PELV	SuggestedRemedy Limit the test voltages a), b) for verifying transformer isolation and use impulse test volta c) for transformer isolation verification and port withstand voltage testing. Equipment resistibility standards use impulse testing for wired Ethernet port voltage withstand testin and J.1 should recognise that. Proposed Response Response Status
roposed Response Response Status O	

C/ J SC J.1	P 6317 L	# <u>1-</u> 66	C/ 104 SC 104.8.1	P L	# <u>1-70</u>
Maytum, Michael	None-Retired		Maytum, Michael	None-Retired	

Comment Type TR Comment Status X

The J.1 test procedure should only be used for equipment having a single wired Ethernet port. Recent multiport equipment testing showed a J.1 problem. One test house found the tested port withstood a 6 kV 1.2/50 voltage impulse. A second test house found the port broke down with a 2 kV impulse. The 2 kV test house got a lower breakdown voltage because it terminated the untested ports. This gave a path to earth and the actual breakdown was initially inter-port. Ethernet ports tend to be grouped together and have multiple link connections. In the end, the 6 kV test house conceded it was realistic to test with the untested ports terminated. Terminations on untested wired Ethernet ports are necessary to unify testing as several manufacturers have now replaced the Bob Smith termination network with alternative design techniques.

SuggestedRemedy

Either state that J.1 testing only applies to equipment with a single Ethernet port or state when testing, untested Ethernet ports shall be terminated using a network such as defined in IEC 61156-1. Multicore and symmetrical pair/guad cables for digital communications -Part 1: Generic specification. For more details see https://ict-surge-protectionessays.co.uk/downloads/whats-going-on-termination-of-untested-wired-ethernet-twistedpairs/

1

1-69

Proposed Response Res	ponse Status O
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Р

None-Retired Maytum, Michael

Comment Type GR Comment Status X

Having worked on SELV, PELV and FELV systems I fail to see how an Ethernet PSE interface linked to another network powered Ethernet device is other than an FELV system. (Mains powered injectors and network powered devices are the exception) The isolation transformer used for SELV and PELV provides double fault protection against the hazardous voltage applied to one winding by reinforced or double insultation. Also such transformers should be marked with concentric square symbol on the safety label. To my knowledge hazardous voltages like AC mains do not occur on Ethernet transformer windings. Ethernet transformer manufactures would have an additional burden by 802.3 imposing an SELV/PELV construction requirement. Looking at old ballot comments the main reason given for using a wired Ethernet isolation transformer as to avoid earth loops.

SuggestedRemedy

I propose that TC64 be asked for an interpretation on this. The IEC does not harmonise its stance on ELV. This is very evident from the Web posting https://ict-surge-protectionessavs.co.uk/downloads/whats-going-on-electric-shock-and-extra-low-voltage-ely-relatedterms-and-definitions/

Proposed Response Response Status **O**

C/ 104 S	C 104.8.1	Р	L	# I-70
Maytum, Micha	el	None-Retired		
Comment Type	G	Comment Status X		

Jacques Peronnet, International Electrotechnical Commission (IEC) TC64 Chairman, oversaw the publication of Electrical installation guide 2018. In clause 8.1 Extra Low Voltage (ELV) the guide covers SELV (Safety Extra Low Voltage), PELV (Protection by Extra Low Voltage) and FELV (Functional Extra-Low Voltage).

SELV is used in situations where the operation of electrical equipment presents a serious hazard (swimming pools, amusement parks, etc.). This measure depends on supplying power at extra-low voltage from the secondary windings of isolating transformers especially designed according to national or to international (IEC 61558-1, 3rd Edition, September 2017 - Safety of transformers, reactors, power supply units and combinations thereof - Part 1: General requirements and tests) standard. SELV circuits shall be insulated from other non-SELV circuits (excluding FELV) by double or reinforced insulation.

PELV is for general use where low voltage is required, or preferred for safety reasons, other than in the high-risk locations requiring SELV. PELV is like SELV, but the secondary circuit may earthed at one point.

FELV has an output voltage of ELV, but not all the requirements relating to SELV or PELV are fulfilled, appropriate measures described in IEC 60364-4-41 must be taken to ensure both basic and fault protection, according to the location and use of these circuits

SuggestedRemedy

This raises the question is IEC 60364-7-716 the right standard to specify the safety requirents of Ethernet isolating transformers.

Proposed Response Response Status 0

C/ 33	SC 33.1.1	P1311	L	# I-74
Maytum,	Michael	None-Retired		
~	· T T			

Comment Type TR Comment Status X

b) Safetv—A PSE designed to the standard does not introduce non-SELV (Safetv Extra Low Voltage) power into the wiring plant.

This statement does not reflect industry practice where the PoE injector and network powered device, such as a camera or network bridge, are sold as a system. The injector is commonly PELV and a fixed voltage supply as the intended load is known. In addition, the network powered device often has a functional earth.

SugaestedRemedv

Change the text to reflect industry practice to

Safety—A PSE designed to the standard only supplies SELV (Safety Extra Low Voltage) or PELV (Protective Extra Low Voltage) power into the wiring connecting to the network powered device.

Proposed Response Response Status 0

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

CI 3	SC 3.4	P 244	L 53	# I <u>-</u> 75	C/ 28C	SC 28C.5	P 6367	L 26	# <u>1-</u> 77
hompso	on, Geoffrey	GraCaSI S.A.			Lusted, Ke	nt	Intel Corporation	on	
Commer	nt Type ER	Comment Status X			Comment	Type TR	Comment Status X		
Ethe oper of se	erType based frame ation is fully legitin	enced footnote seems like a ha es were "outside" the scope of nate within the standard and is ards it is time to elevate the no	the standard. I , in fact, fundan	Now that Type based nental to the operation	hexide the OU defined	cimal and binai II/CID (i.e. man I user code). A	the second paragraph in the sub y representation of values are u ufacturer's IEEE-assigned OUI/ adding to the confusion is the us of Figure 28C-1 for the OUI/CIE	used in the text /CID vs. manufa se of both binar	for different parts of acturer-selected user-
Suggest	edRemedy				Suggested	Remedy			
	te the footnote "31 gnations according	" designation in line 16 and ad ly.	just the value o	f subsequent footnote			presentation of the value of the o the hexidecimal representatio		
may	be ignored, discar	nd replace it with the following a ded, or used in a private mann control is beyond the scope o	er. The use of	such frames by clients	Proposed I	Response	Response Status O		
	d Response	Response Status 0			C/ 28B	SC 28B.3	P 6363	L 26	# I-78
100000					Lusted, Ke	nt	Intel Corporatio	on	
					Comment	Type TR	Comment Status X		
3	SC 3.2.6	P 242	L16	# I-76			e term "full duplex" ambiguousl		
					PMD te		(transmit and receive on the sa		et of wires) or it can
hompso	on, Geoffrey	GraCaSI S.A.			moont	hat the MAC a	iblever meete the requiremente	of the second	
•		GraCaSI S.A. Comment Status X					ublayer meets the requirements ral of the PHY types listed are fi		list in Clause 4.1.1
ommer Whe	<i>nt Type</i> E en trying to deal wit		a prominent "cł	nallenge" in a different	(p245,	line 44). Seve	ublayer meets the requirements ral of the PHY types listed are fi he list) which is confusing		list in Clause 4.1.1
Commer Whe	nt Type E	Comment Status X	a prominent "cł	nallenge" in a different	(p245,	line 44). Seve e.g. item g in t	ral of the PHY types listed are f		list in Clause 4.1.1
Commer Whe porti	nt Type E en trying to deal wit on of the draft.	Comment Status X h another comment, I noticed		C C	(p245, mode (<i>Suggested</i>	line 44). Seve e.g. item g in t <i>Remedy</i>	ral of the PHY types listed are f	ull duplex PMD	list in Claúse 4.1.1 s with half duplex MA
Commer Whe porti The strai	nt Type E en trying to deal wit on of the draft. selectability of line ghtforward mannel	Comment Status X th another comment, I noticed 16 forward on page 242 of the r. You sort only select from the	e draft doesn't v	vork in a	(p245, mode (<i>Suggested</i> for iten	line 44). Seve e.g. item g in t <i>Remedy</i> ns in the list tha	ral of the PHY types listed are f he list) which is confusing at use "full duplex", change "full	ull duplex PMD duplex" to "full	list in Claúse 4.1.1 s with half duplex MA duplex MAC mode".
Commer Whe porti The strai seled	<i>nt Type</i> E en trying to deal wit on of the draft. selectability of line ghtforward mannel ct from line 17 on o	Comment Status X th another comment, I noticed 16 forward on page 242 of the r. You sort only select from the	e draft doesn't v	vork in a	(p245, mode (S <i>uggested</i> for iten Make s	line 44). Seve e.g. item g in t <i>Remedy</i> ns in the list tha similar changes	ral of the PHY types listed are find the list) which is confusing at use "full duplex", change "full to the third sentence in the firs	ull duplex PMD duplex" to "full	list in Claúse 4.1.1 s with half duplex MA duplex MAC mode".
Commer Whe porti The strai selec	<i>nt Type</i> E en trying to deal wit on of the draft. selectability of line ghtforward manner ct from line 17 on o <i>edRemedy</i>	Comment Status X th another comment, I noticed 16 forward on page 242 of the r. You sort only select from the doesn't work.	e draft doesn't v	vork in a	(p245, mode (<i>Suggested</i> for iten	line 44). Seve e.g. item g in t <i>Remedy</i> ns in the list tha similar changes	ral of the PHY types listed are find the list) which is confusing at use "full duplex", change "full	ull duplex PMD duplex" to "full	list in Claúse 4.1.1 s with half duplex MA duplex MAC mode".
Commer Whe porti The strain select	<i>nt Type</i> E en trying to deal wit on of the draft. selectability of line ghtforward mannel ct from line 17 on o	Comment Status X th another comment, I noticed 16 forward on page 242 of the r. You sort only select from the doesn't work.	e draft doesn't v	vork in a	(p245, mode (S <i>uggested</i> for iten Make s	line 44). Seve e.g. item g in t <i>Remedy</i> ns in the list tha similar changes	ral of the PHY types listed are find the list) which is confusing at use "full duplex", change "full to the third sentence in the firs	ull duplex PMD duplex" to "full	list in Claúse 4.1.1 s with half duplex MA duplex MAC mode".

C/ 28B	SC 28B.3	P6363	L 4 1	# 1.70	C/ 28B	SC 28B.3	•	P6363	L 4 1	# 1.04
Lusted, Ke		Intel Corporatio		# I-79	Lusted, Ke			Intel Corporat		# <u> -</u> 81
,		Comment Status X					Comment S	•	ION	
Comment	51				Comment	51				
there much	has the lowest p higher rates) ma	er the list says that 10BASE-T riority. However, an implemen ay not have 10BASE-T capabili n denominator between two dev	tion (particular ty while the sp	ly devices supporting ec suggests that it will	not all the top has a	of the guidin and lower s	g principles are liste peeds at the bottom	ed. Specifical	lly, the preferend to by the stateme	se is straightforward, ce for higher speeds at int that 1000BASE-T ing is said about rates
Suggestee	dRemedy				>1Gb					
Remo	ve the sentence	"10BASE-T is the lowest com	mon denomina	tor and therefore has	Suggested	Remedy				
the lov	west priority."						the first few sentend			
Proposed	Response	Response Status O			priority their h	/ than lower ı alf duplex co		duplex solutio	ns are always hi s given to PHY t	
CI 73	SC 73.6.4	P 3107	L 4	# I-80	Proposed	•	Response St			
Lusted, Ke	ent	Intel Corporation	on		- 1					
Comment	Type TR	Comment Status X								
		of the subclause, there are refe			CI 73A	SC 73A.2	2	P 6571	L 1	# 1-82
	blane Ethernet".	However, this clause is AN for	backplane an	d copper cable	Lusted, Ke	ent	I	Intel Corporat	ion	
	51				Comment	Type TR	Comment S	tatus X		
		ation for Backplane Ethernet" to bly"	o "Auto-Negoti	ation for Backplane and	hexide the Ol	cimal and bi JI/CID (i.e. m	nary representation anufacturer's IEEE	of values are -assigned OU	used in the text II/CID vs. manuf	fusing because both for different parts of acturer-selected user-
Proposed	Response	Response Status O					Adding to the con art of Figure 28C-1 f			y and hexidecimal
					Suggested	Remedy				
							representation of th t to the hexidecima			elected user-defined -C")
					Proposed	Response	Response St	tatus O		
					CI 73A	SC 73A.2	2	P 6571	L 5	# 1-83
					Lusted, Ke	ent	I	Intel Corporat	ion	

Comment Type E

SuggestedRemedy change to italics Proposed Response

global broadcast bit "g" should be italics

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID 1-83

Comment Status X

Response Status **0**

CI 73A	SC 73A.2	P 6571	L 34	# <u>1-</u> 84	CI 73A	SC 73A.2	P6570	L 51	# <u>1</u> -86	
usted, Ken	nt	Intel Corporation	on		Lusted, Ke	ent	Intel Corpora	tion		
omment T _. hyperlin		Comment Status X 2 and 7.3 don't work.				mment submitte				
<i>uggestedF</i> Make lir	R <i>emedy</i> nks to registers	7.2 and 7.3			73A.2_ ***	_message_code	5_OUI_issue.pdf;73A.2_me	ssage_code5_O	UI_issue.pptx attach	ned
roposed R	Response	Response Status 0			Techn		n gap between the IEEE 802 m (ETC) for the unformatted			Pag
7 3A usted, Ken	SC 73A.2 nt	P 6570 Intel Corporation	L 46 on	# [-85	D8:D0	, D26:D16 (U8:L	2 specifies that user-defined J0, U21 to U11 respectively) as zero and ignored on rece	and that remaini		
bits in th	econd sentence	Comment Status X e, the order of the bits U0 to U other adjacent sentences. Fu s next to it.			up to t	hree unformatte	x 28C (which was likely the o d code fields can be transmi nd in U11:21, third in U27:23	tted in each exte	nded unformatted p	
<i>uggestedF</i> In the s		e, change "bits U0 to U10" to "	bits U10 to U0"				ogy Consortium uses Next P fined in their specification.	age Message co	de 5 to exchange	
Proposed R	Response	Response Status 0			define	s two. (note tha J38) for function	t, the ETC spec assumes thi t Annex 28C has three user- ality which should be a reser	code fields) Sec	ond, the ETC uses	bit
					on ass	imilating information	tions are already in the field ation from Annex 28C, Anne: cification would be helpful.			
					Suggested	lRemedy				
					field of to be: "The u signific in bit 1 a user remair	the Unformatte unformatted code cant 2 bits of the 0 (bit U10) with -defined user co ning unformatted	entences of the first paragraph d Next Page" and ending we field of the Unformatted Ne OUI or CID (bits 1:0) in bits the bits 8:0, 26:16, 43:32 (bit de value that is specific to the l code field bits in the Messa zero and ignored on receipt.	vith "ignored on xt Page shall cou 10:9 (U10 and L ts U8 to U0, U21 e OUI or CID tra ge Next Page ar	receipt" in the subcl htain the remaining I9) with OUI or CID to U11, U38 to U27 nsmitted. The	laus leas bit 1 7) as
					Update	e Flgure 73A-1 a	as required.			
						companying pre				
					Proposed	Response	Response Status 0			

	SC 28B	P 6362	L 6	# <u>1-</u> 88	C/ 1 SC 1.4	Р	L	# <u>1-</u> 90
usted, K	ent	Intel Corporation	on		Maytum, Michael	None-Retire	ed	
Comment	tType TR	Comment Status X			Comment Type T	Comment Status X		
that it	is relevant content fo	nex is "IEEE 802.3 Selecto or all Auto-Negotiation imp	lementations. I	However, the details in	The IEEE Standar voltage, not the de	ds Dictionary Online only define finition. People need to find wh	es the acronym for at the term means	safety extra low
		AN over twisted pair, not th ove the clarity, the Annex			SuggestedRemedy			
	onship with twisted pa				5	V definitions should be added to	o qualify the term	meaning. Some exist
Suggeste	dRemedy				IEC definitions are extra low voltage (
		E 802.3 Selector Base Pa			Non-primary circui	ts complying with the following	under normal con	ditions
		note in the Annex to disting		ir types (using Cl 28		V r.m.s. a.c. or 70 V d.c.;		
,	•	AN for single differential-	pair media		separated from r	azardous low voltage by at leas	st basic insulation.	
roposed	Response F	Response Status O			safety extra low vo			
						ts complying with ELV limits an d from hazardous low voltage b		
7 1	SC 1.3	P178	L 43	# 1-89		provision for an earth connection		
laytum,	Michael	None-Retired						
Comment		Comment Status X			Protective extra lo	w voltage (PELV) ts complying with ELV limits an	d the following pro	wisions.
The I refere imple norm	EEE SA Standards Si ences are those docur ment the standard. Fi	tyle Manual requires that i ments that contain materia urther, reference to unpub ompliance as long as they	ll that must be u lished drafts ma	understood and used to ay be used as	* shall be separate * may be connecte for an earth conne functional extra low	ed from hazardous low voltage b ed to functional earth, the protec ction. v voltage (FELV)	by reinforced/doub tive (earth) condu	le insulation; ctor, or have provisic
retrie		ELV requirements in IEC			* separated from h	ts complying with ELV limits an azardous low voltage by at lease ad to functional earth, the protocol	st basic insulation.	
lt is ro draft retrie	vable.	ndards Style Manual requi					suve (eartri) condu	ctor, or have provisio
It is re draft retrie Follov Fede SELV	vable. wing the IEC 64/2413/ ration, Spain and Unit / and PELV voltages v	/CDV Brazil, France, Gern ed Kingdom all cast nega will be aligned and it appe	nany, Norway, F tive votes. Com ars wire current	Portugal, Russian ment results were that capability will be based	for an earth conne	ction. ELV does not fulfil the reinforced		ctor, or have provision safety requirements
It is re draft retrie Follov Fede SELV on te	vable. wing the IEC 64/2413/ ration, Spain and Unit / and PELV voltages v mperature rise and no	/CDV Brazil, France, Gern ed Kingdom all cast nega	nany, Norway, F ive votes. Com ars wire current ANSI Webstore	Portugal, Russian ment results were that capability will be based s do not list IEC 60364-	for an earth conne Note 1 to entry: FE	ction. ELV does not fulfil the reinforced		
It is re draft retrie Follov Fede SELV on te 7-716	vable. wing the IEC 64/2413/ ration, Spain and Unit / and PELV voltages v mperature rise and no	/CDV Brazil, France, Gern ed Kingdom all cast nega will be aligned and it appe ot current value. The IEC, J	nany, Norway, F ive votes. Com ars wire current ANSI Webstore	Portugal, Russian ment results were that capability will be based s do not list IEC 60364-	for an earth conne Note 1 to entry: FE for SELV or PELV	ction. ELV does not fulfil the reinforced		
It is ru draft retrie Follov Fede SELV on te 7-716 Suggeste Remo	vable. wing the IEC 64/2413, ration, Spain and Unit / and PELV voltages v mperature rise and no 3. You cannot test for <i>dRemedy</i>	/CDV Brazil, France, Gern ed Kingdom all cast nega will be aligned and it appe to current value. The IEC, compliance if the docume	nany, Norway, F tive votes. Com ars wire current ANSI Webstore nt isn't available	Portugal, Russian ment results were that capability will be based s do not list IEC 60364- e.	for an earth conne Note 1 to entry: FE for SELV or PELV	ction. ELV does not fulfil the reinforced		

CI 70 SC 70.9.1	1 P 303 7	L16	# I-91	C/ 149 SC 149.3.2	2.3 P 5992	L13	# 1-94
Vienckowski, Natalie	General Moto	ors Company		Wienckowski, Natalie	General Moto	ors Company	
Comment Type E	Comment Status X			Comment Type T	Comment Status X		
Change text referer	ncing J.2 to match other referen	ce statements.		Need to correct sour	ce of alert_detect. The source	is correctly show	n in Figure 149-2.
Also change on P30	orm to J.2 to the general safety requiremer 056L16, P3092L16, P3522L52, .33, P5416L51, P5444L12, P548 Response Status O	P3795L12, P3850)L47, P4965L34,	alert_detect	efresh cycle continues until the h cycle continues until the PM/ <i>Response Status</i> 0		
· · ·	, 			C/ 149 SC 149.4.1	P 6026	L 44	# 1 <u>-</u> 95
C/ 128 SC 128.9	.1 <i>P</i> 5195	L 29	# 1-92	Wienckowski, Natalie	General Moto	ors Company	
Vienckowski, Natalie	General Moto	ors Company		Comment Type T	Comment Status X	. ,	
Comment Type E	Comment Status X			Add missing alert de	etect in Figure 149-26.		
Change text referer	ncing J.2 to match other referen	ce statements.		SuggestedRemedy	-		
SuggestedRemedy				•••	PMA receive up to PMA SER\	/ICE INTERFACE	labeled alert deteo
	o the general safety requirement general safety requirements as 929L24			Proposed Response	Response Status O		_
Proposed Response	Response Status O			C/ FM SC FM	P 3	L19	# 1-96
				Dawe, Piers J G	NVIDIA		
	.1 <i>P</i> 6026	L 44	# 1-93	Comment Type E	Comment Status X		
CI 149 SC 149.4	General Mot	ors Company			and Disclaimer of Liability Cor follow the style guide	ncerning the Use	of IEEE Standards
Wienckowski, Natalie							
Vienckowski, Natalie Comment Type T	Comment Status X		TON state	SuggestedRemedy			
Wienckowski, Natalie Comment Type T Remove send_s_si		K SYNCRONIZAT	TION state.	,	us capitals, ask staff to fix the	template	
Wienckowski, Natalie <i>Comment Type</i> T Remove send_s_si <i>SuggestedRemedy</i>	Comment Status X	K SYNCRONIZAT	⊓ON state.	,	us capitals, ask staff to fix the <i>Response Status</i> 0	template	

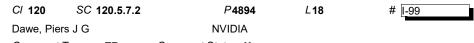
C/ 142	SC 142.2.5.1	P 5521	L 44	# <u>1-</u> 97
Dawe, Pie	ers J G	NVIDIA		
Comment a FE		<i>Comment Status</i> X es, "an FEC" 51 times		
S <i>uggeste</i> e Make	<i>dRemedy</i> them all the same			
Proposed	Response	Response Status O		
C/ 1	SC 1.4.298	P 208	L 8	# I-98
Dawe, Pie	ers J G	NVIDIA		
Comment	Type TR	Comment Status X		
		nel: The transmission path f		• • • •

to a receiving DWDM PHY (TP3)" yet 1.4.216, black link approach, implies that the DWDM channel is from TP2 to TP3, and Clause 154 makes clear that TP2 is the output end of a single-mode fiber patch cord (TP2), between 2 m and 5 m in length, not at the MDI. It is important not to mislead test engineers in a definitions section that should be used by test engineers working on all optical PMD types.

SuggestedRemedy

Change "The transmission path from a transmitting DWDM PHY (TP2) to a receiving DWDM PHY (TP3)" to "The transmission path from TP2 after a transmitting DWDM PHY, to TP3 at a receiving DWDM PHY."

Proposed Response Response Status **O**



Comment Type TR Comment Status X

This text has been modified recently. Now there are requirements "If the PMA is connected to the service interface of a PMD that uses the PMD control function". There is no indication as to which PMDs use the PMD control function, or whether it depends on PMD type, an option, or what. There is a parenthetical reference to 136.8.11 which describes the PMD control function at great length but does not say which PMDs use it. 136.8.11 says "The PMD shall implement... (not "use", nor "support"), so a Clause 136 PMD (50GBASE-CR, 100GBASE-CR2, and 200GBASE-CR4) might. But it's not definite, and one cannot tell whether any or all of the many other PHY, XS and AUI types that use the Clause 120 PMA don't, do, or sometimes do "use the PMD control function". String searches on such a vast document are impractical, especially to attempt to prove a negative.

Notice that the criterion is "uses the PMD control function" which the text does not tie to precoding ability.

Further, there are multiple definitions of "PMD control function", for example in 72.6.10 and 92.7.12, so "the PMD control function" is an unsatisfactory identifier. The reader could believe they don't apply because they relate to different PMA types, but the draft is making work for the reader who must then trust that what he thinks is sensible is what the draft means but doesn't say clearly enough. Same problem in 135.5.7.2.

SuggestedRemedy

Change "a PMD that uses the PMD control function (136.8.11)" to "a 200GBASE-CR4 or 200GBASE-KR4 PMD when training is not disabled by the management variable mr_training_enable (see 136.7 and 136.8.11),". Change "a PMD that supports the PMD control function but training is disabled" to "a

200GBASE-CR4 or 200GBASE-KR4 PMD when training is disabled".

Proposed Response Response Status **O**

C/ 45	SC 45.2.1	P 1725	L 24	# I-100
Dawe, Pi	ers J G	NVIDIA		
Commen	t Type E	Comment Status X		

capability registers vs. ability registers. In Section 4, ability appears 1331 times (including in the contents), nearly all in Clause 45. capability appears 445 times, about 2/3 in 45, mostly related to EEE and timeSync, I believe.

SuggestedRemedy

For Clause 45 register names, change "capability" to "ability".

Proposed Response Response Status **O**

CI 52	SC 52.5.1	P 2388	L 43	# I <u>-</u> 101	C/ 1	SC	1.3	P 181	L18	# <u>I-</u> 103
Dawe, Pie	ers J G	NVIDIA			Dawe, P	iers J G		NVIDIA		
Comment	Туре Т	Comment Status X			Commer	nt Type	т	Comment Status X		
	very similar Clau	Clause 52, 53 and 58 should b use 158 (for SMF) or 167 (for I		current ones as used	68-6	, Test-pa	ttern defi	red from Table 68-3, 10GBAS nitions and related subclauses cal transmit characteristics, Ta	s, Table 86-6, 4	0GBASE-SR4 or
For en ANSI/ For ch 52.9.1 norma	ncircled flux, cha /TIA/EIA-455-203 nromatic dispersi	nge ANSI/TIA/EIA-455-203-20 3-2001 from the normative refe on, change ANSI/TIA/EIA-455 3.9.10.2 and 58.7.9.2. Remov Response Status 0	erences. -175A-92 to IE0	60793-1-42 in	2000 4000 2000 SR4 date	GBASE-S GBASE-S GBASE-V , in draft]	R4, 400 R4.2] ar (R2, 400 None c , for the 2	138-8, Transmit characteristic GBASE-SR8] and Table 150-7 d Table 167-7, Transmit chara GBASE-VR4, 100GBASE-SR1 f these mentions is dated. In 2003 and 2009 editions. 2009 i	7, Transmit char acteristics [for 1 1, 200GBASE-S the normative re	acteristics [for 00GBASE-VR1, R2, and 400GBASE- eferences there are tw
					Suggest	edRemed	dy			
CI 52	SC 52.13	P 2414	L 34	# I-102		here is no 2003 entr		e that the 2003 version is pref	ferred in some c	ircumstance - delete
Dawe, Pie	ers J G	NVIDIA			Propose	d Respor	nse	Response Status O		
Comment	Туре Т	Comment Status X								
as use	ed in more recen			ced with current ones	C/ 1	SC	1.3	P179	L 21	# I-104
		dards address the right "methe	Ju S		Dawe, P		_	NVIDIA		
Here a	dRemedy and in 53.13, cha	ange: ements of installed fiber cables	oro modo in or	cordonac with	Commer IEC		T 42:2007	Comment Status X (chromatic dispersion) is witho	drawn	
ANSI/ to:	/TIA/EIA-526-14/	A/method B, and ANSI/TIA/EI	A-526-7/method		00	<i>edRemed</i> nge 2007				
accord single- In MM In SMI In 75.9 In 1.3, Delete	dance with IEC 6 e-mode cabling. IF clauses, chan IF clauses, chan 9.1 and similar/re , change IEC 612	ements of installed fiber cables 1280-4-1, Method 2 for multin ge ANSI/TIA/EIA-526-14A/me ge ANSI/TIA/EIA-526-7/metho elated places, change IEC 612 280-4-2:2000 to IEC 61280-4-3 C 61280-4-1:2003, change IEC	node cabling an thod B to IEC 6 d A-1 to IEC 61 280-4-2:2000 to 2:2014.	1280-4-1. 280-4-2. IEC 61280-4-2.	Propose	d Respor	ise	Response Status O		
Proposed	Response	Response Status 0								

C/ 121	SC 121.8.3	P 4922	L10	# I-105	CI 52	SC 52.9.	3	P 2400	L17	# <u>1-</u> 107
Dawe, Pie	ers J G	NVIDIA			Dawe, Pie	rs J G		NVIDIA		
Comment	Туре Т	Comment Status X			Comment	Туре Т	Commen	t Status 🗙		
subcla transr to be is har Nor d A sim	ause that describ nitter by enabling tested differently mless but doesn o 86.8.4.2 for 40	ower measurement test set-up bes how to do a lane-by-lane of g / disabling the wavelengths. , with a breakout cable. For a 't help much, and Clause 52 d GBASE-SR4 and 100GBASE s been submitted to P802.3db the issue.	ptical power me A transmitter fo serial non-WDM oes not refer to SR10, or 95.8.3	asurement of a WDM r parallel fibres is likely / transmitter, the figure this figure or another. for 100GBASE-SR4.	TIA-4 We m 61280 Suggester Here 1-1 or	55-95-B (201 ay need to ke 0-1-1 is for sir <i>dRemedy</i> and in 52.15. ANSI/TIA-45	9) FOTP-95 Abs eep its successol ngle-mode. 3.9, 53.13 and 53 55-95-B".	blute Optical Po if we can't find 3.15.4.5, change	wer Test for Opt an IEC one that • "ANSI/TIA/EIA-	e, the current revision is ical Fibers and Cables. covers multimode: IEC -455-95" to "IEC 61280-
Suggeste	dRemedy						ISI/TIA/EIA-455-9 ould be made in 3			-2019.
	e other parallel o .3, 138.8.3 and 1	optics PMDs, delete ", per the 50.8.3.	test setup in Fig	ure 53-6" in 121.8.3,	Proposed	Response	Response	Status O		

Proposed Response Response Status **O**

C/ 83E	SC 83E.3.1	P6649	L 1	# I-106
Dawe, Piers	JG	NVIDIA		

Comment Type E Comment Status X

P802.3ck believes that these table titles are better without the brackets.

SuggestedRemedy

Remove the brackets: Table 83E-1 (at TP1a), Table 83E-3 (at TP4), Table 120E-1 (at TP1a), Table 120E-3 (at TP4)

Proposed Response Response Status **O**

C/FM S	SC FM	P 26	L 39	# <u>I-</u> 108
Dawe, Piers J	G	NVIDIA		
Comment Type	e T	Comment Status X		

Don't say that a clause "adds" something, the text dates and the reader isn't concerned with the state of the standard in the past. Say it includes or specifies, as elsewhere in this description, and as in the middle sentence quoted here.

SuggestedRemedy

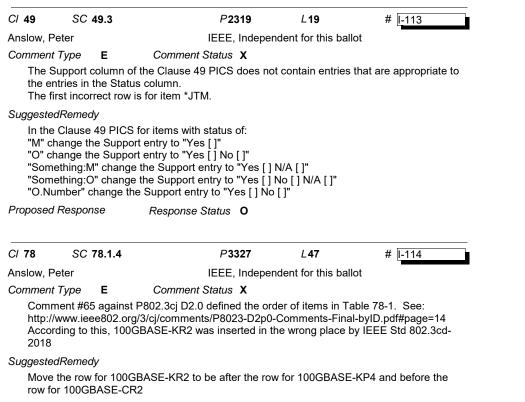
Change:

Clause 150 and Clause 151 add 400 Gb/s Physical Layer specifications. Clause 153 and Clause 154 specify 100 Gb/s operation over DWDM channels. Clause 157 through Clause 160 add 10 Gb/s, 25 Gb/s, and 50 Gb/s bidirectional Physical Layer specifications. to

Clause 150 and Clause 151 include additional 400 Gb/s Physical Layer specifications. Clause 153 and Clause 154 specify 100 Gb/s operation over DWDM channels. Clause 157 through Clause 160 include 10 Gb/s, 25 Gb/s, and 50 Gb/s bidirectional Physical Layer specifications.

Proposed Response Response Status **0**

e, Piers J G NVIDIA	
	Anslow, Peter IEEE, Independent for this ballot
ment Type T Comment Status X	Comment Type E Comment Status X
This "filter bandwidth of 13.28125 GHz" is ambiguous in a sentence about noise spectrum, in the context of equalization and an optical signal. Is it noise bandwidth, -3 dBe andwidth, or -6 dBe bandwidth? <i>estedRemedy</i> Align with the "a 3 dB bandwidth of approximately 13.28125 GHz with a fourth-order Bessel- Thomson response" in 121.8.5.1 (and one in 121.8.7): change "with a bandwidth" to "with a 3 dB bandwidth". <i>Bosed Response</i> <i>Response Status</i> O	The second paragraph of 108.5.1.1 contains: "It forms a bit stream from the primitives by concatenating requests with the bits of each primitive in order to form tx_data-group<0> to tx_data-group<15> (see Figure 49–6)." This is somewhat confusing as Figure 49–6 does not contain tx_data-group<0> to tx_data- group<15>, but rather rx_data-group<0> to rx_data-group<15>. Same issue for the second paragraph of 74.7.4.1.1. <i>SuggestedRemedy</i> Add the following note after the second paragraph of 108.5.1.1:
SC 30.5.1.1.33 P1112 L38 # I-110	NOTEFigure 49-6 shows rx_data-group<0> to rx_data-group<15> because the processin in that figure is in the Rx path. However, the reverse gearbox in this subclause is in the Tx path so it uses tx_data-group<0> to tx_data-group<15>.
w, Peter IEEE, Independent for this ballot	
ment Type T Comment Status X	Add the same note after the second paragraph of 74.7.4.1.1.
EEE Std 802.3ct-2021 made changes to the text of 30.5.1.1.33. The first two sentences of ne BEHAVIOUR DEFINDED AS: section now read: A read-only value that indicates if a PHY that supports RS-FEC across the MDI supports	Proposed Response Response Status O
the optional PCS FEC error indication bypass ability (see 119.2.5.3). For a PHY that does	CI 76A SC 76A.1 P6584 L54 # I-112
ot support RS-FEC across the MDI, this attribute is not applicable." 'his text now makes no sense.	Anslow, Peter IEEE, Independent for this ballot
A normal 200G or 400G Ethernet PHY supports PCS FEC (see Clause 119) across the MDI and would not support RS-FEC (e.g., Clauses 91, 108, 134) across the MDI. The second of the two sentences quoted above means that the aPCSFECBypassIndicationAbility is not applicable to the PHYs it was intended for. A PHY that does support RS-FEC (e.g., Clauses 91, 108, 134) across the MDI would not support PCS FEC (see Clause 119) and therefore would never support the optional PCS FEC error indication bypass ability in 119.2.5.3.	Comment Type E Comment Status X In footnote 10, "The tables in the annex are" should be "The tables in this annex are".
	SuggestedRemedy Change "The tables in the annex are" to "The tables in this annex are".
	Proposed Response Response Status O
estedRemedy Change: A read-only value that indicates if a PHY that supports RS-FEC across the MDI supports ne optional PCS FEC error indication bypass ability (see 119.2.5.3). For a PHY that does not support RS-FEC across the MDI, this attribute is not applicable." to: For 200/400GBASE-R, a read-only value that indicates if a PHY that supports PCS-FEC icross the MDI supports the optional PCS FEC error indication bypass ability (see 19.2.5.3). For a PHY that does not support PCS-FEC across the MDI, this attribute is not	
pplicable."	



Proposed Response Response Status **O**