Curran, Philip Comment Type T The note in 45.2.1.236a.3 exiting from reset or low-p this. SuggestedRemedy Add following to note in 45 "The data path of the 1001 seconds to run at optimum Change note in 45.2.1.23 " after exiting from low-p Proposed Response P PROPOSED ACCEPT. Cl 45 SC 45.2.1.236b.	ower mode. However, the 5.2.1.236a.1 : BASE-T1L PMA, dependin n error ratio after exiting fro 6a.3 to end in the following	note in 45.2.1.2 g on implement om reset."	236a.1 does not indicate	Curran, Philip <i>Comment Type</i> <b>E</b> <i>Co</i> The following sentence does "The default value for each b that the initial state of the der without management interver Every combination of values Furthermore, the draft should not supported. <i>SuggestedRemedy</i> Replace this sentence with th	it of the 100BASE-T1I vice upon power up or ntion." corresponds to a norr I specify how to handl	L training register r reset is a norma nal operational st	al operational state tate.
The note in 45.2.1.236a.3 exiting from reset or low-p this. SuggestedRemedy Add following to note in 45 "The data path of the 100I seconds to run at optimum Change note in 45.2.1.23 " after exiting from low-p Proposed Response PROPOSED ACCEPT.	indicates that the PMA ma ower mode. However, the 5.2.1.236a.1 : BASE-T1L PMA, dependin a error ratio after exiting fro 6a.3 to end in the following ower mode."	note in 45.2.1.2 g on implement om reset."	econds to recover after 236a.1 does not indicate	The following sentence does "The default value for each b that the initial state of the dev without management interven Every combination of values Furthermore, the draft should not supported. SuggestedRemedy	not make sense here it of the 100BASE-T1l vice upon power up or ntion." corresponds to a norr I specify how to handl	L training register r reset is a norma nal operational st	r should be chosen so al operational state tate.
exiting from reset or low-p this. SuggestedRemedy Add following to note in 45 "The data path of the 1000 seconds to run at optimun Change note in 45.2.1.23 " after exiting from low-p Proposed Response PROPOSED ACCEPT.	ower mode. However, the 5.2.1.236a.1 : 3ASE-T1L PMA, dependin a error ratio after exiting fro 6a.3 to end in the following ower mode."	note in 45.2.1.2 g on implement om reset."	236a.1 does not indicate	"The default value for each b that the initial state of the dev without management interver Every combination of values Furthermore, the draft should not supported. SuggestedRemedy	it of the 100BASE-T1I vice upon power up or ntion." corresponds to a norr I specify how to handl	L training register r reset is a norma nal operational st	al operational state tate.
SuggestedRemedy Add following to note in 45 "The data path of the 1000 seconds to run at optimum Change note in 45.2.1.23 " after exiting from low-p Proposed Response PROPOSED ACCEPT.	BASE-T1L PMA, dependin n error ratio after exiting fro 6a.3 to end in the following ower mode."	om reset."	tation, may take many	that the initial state of the dev without management interver Every combination of values Furthermore, the draft should not supported. SuggestedRemedy	vice upon power up or ntion." corresponds to a norr I specify how to handl	r reset is a norma mal operational st	al operational state tate.
Add following to note in 45 "The data path of the 1000 seconds to run at optimun Change note in 45.2.1.23 " after exiting from low-p Proposed Response PROPOSED ACCEPT.	BASE-T1L PMA, dependin n error ratio after exiting fro 6a.3 to end in the following ower mode."	om reset."	tation, may take many	without management interver Every combination of values Furthermore, the draft should not supported. SuggestedRemedy	ntion." corresponds to a norr I specify how to handl	mal operational st	tate.
"The data path of the 100 seconds to run at optimun Change note in 45.2.1.23 " after exiting from low-p Proposed Response PROPOSED ACCEPT.	BASE-T1L PMA, dependin n error ratio after exiting fro 6a.3 to end in the following ower mode."	om reset."	tation, may take many	Furthermore, the draft should not supported.	l specify how to handl		
seconds to run at optimun Change note in 45.2.1.23 " after exiting from low-p Proposed Response PROPOSED ACCEPT.	n error ratio after exiting fro 6a.3 to end in the following ower mode."	om reset."	tation, may take many	Furthermore, the draft should not supported.	l specify how to handl		
Change note in 45.2.1.23 " after exiting from low-p Proposed Response P PROPOSED ACCEPT.	6a.3 to end in the following ower mode."			not supported. SuggestedRemedy		e bits that corres	pond to abilities that are
" after exiting from low-p Proposed Response PROPOSED ACCEPT.	ower mode."	J.		,	followin m		
Proposed Response PROPOSED ACCEPT.				Replace this sentence with the	- faller de av		
PROPOSED ACCEPT.	Response Status W				ie ioliowing:		
C/ 45 SC 45 2 1 236b				"Only bits representing supported abilities and the de			
Curran, Philip	1 P28 ADI	L <b>44</b>	# 2	Proposed Response Res PROPOSED ACCEPT.	sponse Status W		
Comment Type E	Comment Status D		EZ	C/ 45 SC 45.2.3.75c	P32	L20	# 5
There is an additional "a"		sed "				L 20	# 5
SuggestedRemedy				Curran, Philip Comment Type E Co	ADI		E
Remove the additional "a"				The EEE advertisement and		nt hits are shown	_
				whereas they should be at bi			
PROPOSED ACCEPT.	Response Status W			SuggestedRemedy			
				Update Table 45-297c as foll	ows:		
Cl 45 SC 45.2.1.236b.	3 P29 ADI	L <b>3</b>	# 3	Move EEE advertisement fro	m 3.2297.1 to 3.2297.	.15	
Comment Type E The description of how to	Comment Status D	ha casa whora	EZ	Move RS-FEC advertisemen 3.2297.14	t from 3.2297.0 to		
followed by the case wher		ne case where	it is read as zero ilist		sponse Status 🛛 🛛 🛛 🛛 🛛 🛛 🖉		
Table 45-198b lists the all	owed values in the opposit	e order.		PROPOSED ACCEPT.			
SuggestedRemedy							
Swap the first and second	sentences in the paragrap	oh.					
Proposed Response PROPOSED ACCEPT.	Response Status W						

C/ <b>45</b>	SC 45.2.3.75c	d P32	L <b>40</b>	# 6	C/ 190 SC 190.2	.2 P45	L18	# 9	
Curran, Ph	ilip	ADI			Curran, Philip	ADI			
Comment	Туре Е	Comment Status D		EZ	Comment Type E	Comment Status D			EZ
The fol	lowing sentence	is missing a space at "trainir	ngregister:		Dot missing in "PM	A_REMPHYIDLErequest".			
		ASE-T1L link partner training	gregister are rea	d only".	SuggestedRemedy Insert dot.				
Suggested	-				Proposed Response	Response Status W			
0	00	r" to "training register".			PROPOSED ACCE				
Proposed I	,	Response Status W							
PROP	OSED ACCEPT.				C/ 190 SC 190.2	.2 P45	L <b>41</b>	# 10	
C/ 190	SC 190.1.3.3	P <b>42</b>	L1	# 7	Curran, Philip	ADI			
Curran, Ph	ilip	ADI			Comment Type E	Comment Status D			EZ
Comment 7	•	Comment Status D		EEE	The word 'PHY' is r double sided arrow	nisplaced in Figure 190-3. It sho	ould be centered of	on the horizontal	
indicati	ion of low SNR is	ng "When the PHY LPI refres transmitted when the PHY i the LPI transmit mode and s	s in the LPI tran	smit mode. In that	SuggestedRemedy Update figure.				
Suggested	Remedy				Proposed Response	Response Status W			
	se to simply deleted d for the overviev	e the paragraph. Outlining th v.	ne handling of lo	w SNR seems too	PROPOSED ACCE	PT.			
Proposed I	Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			C/ 190 SC 190.2	.2.9 P49	L26	# 11	I
PROP	OSED ACCEPT.				Curran, Philip	ADI			
	00 100 0 0	5.4	1.00	# [2	Comment Type E	Comment Status D			EZ
C/ 190	SC 190.2.2	P44	L <b>39</b>	# 8		he name PMA_REMRXSTATU	S which has beer	n changed to	
Curran, Ph	•	ADI			PMA_REMFLRRXS	STATUS.			
Comment	51	Comment Status D		EZ	SuggestedRemedy		-		
		MRXSTATUS has been rena status has been renamed r			•	g text to PMA_REMFLRRXSTA	.10S.		
Suggested					Proposed Response	Response Status W			
Chang	,	STATUS to PMA_REMFLRR	XSTATUS and o	change rem_rcvr_status	PROPOSED ACCE	PT.			
Proposed I		Response Status W							
PROP									

-												
C/ <b>190</b>	SC 190.3	P 53	L <b>52</b>	# 12		C/ <b>190</b>	SC 1	90.3.2.4	P60	L16	# 15	
Curran, Pł	nilip	ADI				Curran, Ph	nilip		ADI			
Comment	Туре Т	Comment Status D			PCS	Comment	Туре	Е	Comment Status D			ΕZ
	is no PCS Data T /(8N+1)B Transmi	Fransmission Enable function. T it state diagram.	his is handle	d by the PCS		The ev Suggested		0	bry is specified as "IDLIDL".			
Suggested	Remedy					00		L" to "IDL				
Chang	e text to following	<b>j</b> :				Proposed	•					
	,	nprises one PCS Reset function g functions. The PCS operating			and	,	,	CCEPT.	Response Status W			
PĆS F		erating functions are started imm				C/ 190		90.3.2.4	P 60	L <b>43</b>	# 16	
•	Response	Response Status W				Curran, Ph	•		ADI			
•	OSED ACCEPT.	•				Comment		т	Comment Status D			ditorial
C/ 190	SC 190.3	P 54	L13	# 13		This is	s mislead	ling as it s	d with the symbol /I/ is "Norma suggests that Normal Inter-Fra K. This is not the case.			
Curran, Pł	nilip	ADI				Suggested	 IRemedv	, –				
Comment	Туре Е	Comment Status D			PCS	00			/I/ to "Normal Inter-Frame"			
	is no PCS Data T ((8N+1)B Transmi	Fransmission Enable function. T it state diagram.	his is handle	d by the PCS		Proposed	Respons	e	Response Status W			
Suggested	lRemedy					PROP	OSED P	CCEPT.				
Remo	ve PCS Data Trai	nsmission Enable block from Fig	gure 190-4.			C/ 190	SC 1	90.3.2.4	P60	L 49	# 17	
Proposed	Response	Response Status W				Curran, Ph	nilip		ADI			
PROP	OSED ACCEPT.					Comment	Type	Е	Comment Status D			ΕZ
C/ 190	SC 190.3.2.4	P60	L15	# 14		The sy	ymbol fo	r Assert R	emote Fault is incorrectly nar	ne /RI/.		
Curran, Ph	nilip	ADI				Suggested	Remedy	/				
Comment		Comment Status D			EZ	Chang	ge /RI/ to	/R/.				
	51	ymbol /Q/ which should be /R/.				Proposed	Respons	se	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			
Suggested	-					PROP	OSED A	CCEPT.				
Chang	je /Q/ to /R/ in Tal	ble 190-2.										
,	Response	Response Status W										

PROPOSED ACCEPT.

	4 P62	L 37	# 18	C/ 190 SC 190.3.4.	2 P75	L <b>21</b>	# 21	
Curran, Philip	ADI			Curran, Philip	ADI			
Comment Type E	Comment Status D		EZ	Comment Type E	Comment Status D			ΕZ
	<pre>FS_prev:" is incorrect. It should</pre>	d align with the "e	lse:" that follows at	The abbreviation PFC	should be introduced in the t	text rather than in	the figure.	
line 39.				SuggestedRemedy				
SuggestedRemedy Fix indentation by add	ing spaces before the if.			Change " among th "	e partial frame count," to "	' among the par	rtial frame count (P	PFC),
Proposed Response PROPOSED ACCEP1	Response Status W			Proposed Response PROPOSED ACCEP	Response Status <b>W</b> T.			
C/ 190 SC 190.3.2.	11 P69	L <b>8</b>	# 19	C/ 190 SC 190.3.4.	2 P75	L 24	# 22	
Curran, Philip	ADI			Curran, Philip	ADI			
Comment Type E It would be better to u correctly.	Comment Status <b>D</b> se a fixed width font for the 6-	tuples so that the	EZ symbols line up	Comment Type E The figure incorrectly	Comment Status <b>D</b> uses the abbreviation PCS ra	ather than PFC.		EZ
SuggestedRemedy	190-5			0	e Count (PCS)" to "Partial Fra	ame Count (PFC)	)"	
Change font in Table Proposed Response PROPOSED ACCEP1	Response Status W			Proposed Response PROPOSED ACCEP				
Proposed Response PROPOSED ACCEPT	Response Status W	L 33, 36	# 20	PROPOSED ACCEP C/ 190 SC 190.3.4.	T. 2.4 P77	L 29	# 23	
Proposed Response PROPOSED ACCEPT Cl 190 SC 190.3.2.	Response Status W	L 33, 36	# 20	PROPOSED ACCEP Cl 190 SC 190.3.4. Curran, Philip	T. 2.4 P77 ADI	L 29	# 23	
Proposed Response PROPOSED ACCEPT C/ 190 SC 190.3.2. Curran, Philip	Response Status         W           T.         12         P72	L 33, 36	# 20 EZ	PROPOSED ACCEP C/ 190 SC 190.3.4. Curran, Philip Comment Type E	T. 2.4 P77 ADI Comment Status D		# 23	EZ
Proposed Response PROPOSED ACCEPT Cl 190 SC 190.3.2. Curran, Philip Comment Type E	Response Status W T. <b>12</b> P72 ADI <i>Comment Status</i> D are 76.8 us and 105.6 us. Cu	,	EZ	PROPOSED ACCEP Cl 190 SC 190.3.4. Curran, Philip Comment Type E The advertisement res SuggestedRemedy	T. <b>2.4</b> P77 ADI <i>Comment Status</i> D gister bits are specified incorr	rectly.	L	
Proposed Response PROPOSED ACCEPT Cl 190 SC 190.3.2. Curran, Philip Comment Type E The wake time values specified to be in seco SuggestedRemedy	Response Status W T. 12 P72 ADI <i>Comment Status</i> D are 76.8 us and 105.6 us. Cu onds.	irrently the values	EZ	PROPOSED ACCEP <i>Cl</i> <b>190</b> <i>SC</i> <b>190.3.4.</b> Curran, Philip <i>Comment Type</i> <b>E</b> The advertisement res <i>SuggestedRemedy</i> Change "100BASE-T	T. 2.4 P77 ADI Comment Status D	rectly. 3.2282.0 and 3.2	L	
Proposed Response PROPOSED ACCEPT Cl 190 SC 190.3.2. Curran, Philip Comment Type E The wake time values specified to be in seco SuggestedRemedy	Response Status W T. <b>12</b> P72 ADI <i>Comment Status</i> D are 76.8 us and 105.6 us. Cu	irrently the values	EZ	PROPOSED ACCEP <i>Cl</i> <b>190</b> <i>SC</i> <b>190.3.4.</b> Curran, Philip <i>Comment Type</i> <b>E</b> The advertisement res <i>SuggestedRemedy</i> Change "100BASE-T	T. <b>2.4</b> P77 ADI <i>Comment Status</i> D gister bits are specified incorr 1L advertisement register bits	rectly. 3.2282.0 and 3.2		

C/ 190 SC 190.3.4.2	2.4 P77	L <b>31</b>	# 24	C/ 190 SC 190.3.5	P79	L <b>34</b>	# 27
Curran, Philip	ADI			Curran, Philip	ADI		
Comment Type E The link partner advert	Comment Status D isement register bits are spe	cified incorrectly.	Registers	Comment Type E Clause 190 will handl	Comment Status <b>D</b> e handle all test modes in 190.	5.	EZ
SuggestedRemedy				SuggestedRemedy			
Change sentence as for	ollows:			Remove heading 190	.3.5.		
	k partner training register bit nmunicated by the link partn			Proposed Response PROPOSED ACCEP	Response Status W T.		
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			C/ 190 SC 190.3.6	P80	L <b>14</b>	# 28
PROPOSED ACCEPT				Curran, Philip	ADI		
C/ 190 SC 190.3.4.3	8 P78	L <b>26</b>	# 25	<i>Comment Type</i> <b>T</b> Figure 190-11 does n	Comment Status D ot match the adopted proposal		EEI
Curran, Philip	ADI			SuggestedRemedy			
	Comment Status <b>D</b> se a fixed width font for the 6-	-tuples so that the	<i>EZ</i> e symbols line up	Modify in accordance from the May meeting	with adopted proposal. See slig g in New Orleans.	de 21 of Curran <u></u>	_3dg_01_05132025.pdf
correctly. SuggestedRemedy				Proposed Response PROPOSED ACCEP	Response Status W		
Change font in Table 1	90-8.				1.		
Proposed Response	Response Status W			C/ 190 SC 190.3.6	P80	L <b>36</b>	# 29
PROPOSED ACCEPT	•			Curran, Philip	ADI		
	P79	L8	# 00	Comment Type T	Comment Status D		EEE
		Lo	# 26	Table 190-9 does not	match the adopted proposal.		
Curran, Philip Comment Type <b>T</b>	ADI Comment Status <b>D</b>		Editorial	SuggestedRemedy			
51	gn generation during training	does not match		Modify in accordance from the May meeting	with adopted proposal. See slig g in New Orleans.	de 22 of Curran <u></u>	_3dg_01_05132025.pdf
SuggestedRemedy				Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
	with adopted proposal. See s 02025.pdf from the January r		ix.	PROPOSED ACCEP	Τ.		
I am not able to copy the presentation.	he correct equation reliably i	nto this spreadsh	eet. Please consult the				
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🖤						
	,						

PROPOSED ACCEPT.

C/ 190 SC 190.3.6.1										
C/ 190 SC 190.3.6.1	P81	L13	# 30	CI <b>22</b>	SC	22.2.2.4	P <b>23</b>	L1	# 33	
Curran, Philip	ADI			Curran, I	Philip		ADI			
Comment Type E	Comment Status D			EZ Commer	nt Type	Е	Comment Status D		E	Editoria
Missing "of" in " at the multiple".	beginning any						e states it is a placeholde a link-fault signaling state			
SuggestedRemedy				Suggest	edRemed	ly				
Change to " at the beg multiple".	ginning of any			Rem						
Proposed Response PROPOSED ACCEPT.	Response Status W			PRC TFT	D. Speci	ACCEPT II fically need	Response Status W N PRINCIPLE. I to determine whether a s insider text explaining wh		ded for technica	al
C/ 190 SC 190.3.6.2	P81	L <b>41</b>	# 31	C/ <b>190</b>	SC	190.3.7.1.2	2 P84	L12	# 34	
Curran, Philip	ADI			Curron		100.0.7.1.1.2	ADI	- 12	" 04	
Comment Type T	Comment Status D		-	EE Commer		Е	Comment Status D			EZ
The sentence describing	g quiet period signaling does	s not match the ac	dopted proposal.			⊨ her to SNF				ΕZ
SuggestedRemedy				51			Υ.			
Change the sentence:				Suggest	edRemec	ly				
- 5				01		I 4I 4I				
5	e PCS transmitter passes z	rero data encoded	symbols to the PM	Δ	•	hether the				
5	e PCS transmitter passes z A.request primitive."	zero data encoded	symbols to the PM	A Propose	d Respon	ise	SNR". Response Status <b>W</b>			
"During quiet periods, the via the PMA_UNITDATA		zero data encoded	symbols to the PM	A Propose	d Respon					
"During quiet periods, the		zero data encoded	symbols to the PM	A Propose PRC	d Respon POSED	ase ACCEPT.	Response Status W	L <b>17</b>	# 35	
"During quiet periods, the via the PMA_UNITDATA to the following:	A.request primitive." the PCS transmitter shall p			A Propose	d Respon POSED	ise	Response Status W	L17	# 35	
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period	A.request primitive." the PCS transmitter shall p			A Propose PRC Cl <b>190</b> Curran, I Commer	d Respon POSED SC Philip nt Type	ese ACCEPT. 190.3.7.1.2 E	Response Status W P84 ADI Comment Status D		# 35	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period to PMA_UNITDATA.request	A.request primitive." the PCS transmitter shall p st primitive."			A Propose PRC Cl <b>190</b> Curran, I Commer The	d Respon POSED SC Philip nt Type ".request	ese ACCEPT. 190.3.7.1.2 E	Response Status W P84 ADI Comment Status D g in the name of the primi		# 35	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period = PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT.	A.request primitive. <sup>"</sup> the PCS transmitter shall p st primitive." <i>Response Status</i> <b>W</b>			A Propose PRC Cl 190 Curran, l Commer The "PM Suggest	d Respor POSED SC Philip Int Type ".request A_PCS_f edRemed	E E E E X_LPI_ST My	Response Status W P84 ADI Comment Status D g in the name of the primi		# 35	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period to PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT. 	A.request primitive. <sup>"</sup> the PCS transmitter shall p st primitive." <i>Response Status</i> <b>W</b>	ass zeros to the P	PMA via the	A Propose PRC Cl 190 Curran, l Commer The "PM Suggest	d Respor POSED SC Philip ht Type ".request A_PCS_F	E E E E X_LPI_ST My	Response Status W P84 ADI Comment Status D g in the name of the primi		# 35	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period to PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT. 	A.request primitive." the PCS transmitter shall p st primitive." <i>Response Status</i> W 2 P83	ass zeros to the P	PMA via the	A Propose PRC Cl 190 Curran, I Commer The "PM Suggest Add	d Respor POSED SC Philip Int Type ".request A_PCS_f edRemed	E T T T T T T T T T T T T T	Response Status W P84 ADI Comment Status D g in the name of the primi		# 35	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period i PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.3.7.1.2 Curran, Philip Comment Type E	A.request primitive." the PCS transmitter shall p st primitive." <i>Response Status</i> W 2 P83 ADI <i>Comment Status</i> D r and tx_coded refer to "(8N	ass zeros to the P	PMA via the # <u>32</u>	A Propose PRC Cl 190 Curran, l Commer The "PM Suggest Add EZ Propose	d Respor POSED SC Philip nt Type ".request A_PCS_F edRemed ".request d Respor	E T T T T T T T T T T T T T	Response Status W P84 ADI Comment Status D g in the name of the primi ATUS".		# 35	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period is PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.3.7.1.2 Curran, Philip Comment Type E The definition of rx_char preceded by and followe	A.request primitive." the PCS transmitter shall p st primitive." <i>Response Status</i> W 2 P83 ADI <i>Comment Status</i> D r and tx_coded refer to "(8N	ass zeros to the P	PMA via the # <u>32</u>	A Propose PRC Cl 190 Curran, l Commer The "PM Suggest Add EZ Propose	d Respor POSED SC Philip nt Type ".request A_PCS_F edRemed ".request d Respor	ACCEPT. 190.3.7.1.2 E " is missing RX_LPI_ST dy ". ase	Response Status W P84 ADI Comment Status D g in the name of the primi ATUS".		# <u>35</u>	EZ
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period is PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.3.7.1.2 Curran, Philip Comment Type E The definition of rx_char preceded by and followe	A.request primitive." the PCS transmitter shall p st primitive." <i>Response Status</i> W 2 P83 ADI <i>Comment Status</i> D and tx_coded refer to "(8N ed by spaces.	ass zeros to the P	PMA via the # <u>32</u>	A Propose PRC Cl 190 Curran, l Commer The "PM Suggest Add EZ Propose	d Respor POSED SC Philip nt Type ".request A_PCS_F edRemed ".request d Respor	ACCEPT. 190.3.7.1.2 E " is missing RX_LPI_ST dy ". ase	Response Status W P84 ADI Comment Status D g in the name of the primi ATUS".		# <u>35</u>	Ež
"During quiet periods, the via the PMA_UNITDATA to the following: "During the quiet period 1 PMA_UNITDATA.reques Proposed Response PROPOSED ACCEPT. 	A.request primitive." the PCS transmitter shall p st primitive." <i>Response Status</i> W 2 P83 ADI <i>Comment Status</i> D and tx_coded refer to "(8N ed by spaces.	ass zeros to the P	PMA via the # <u>32</u>	A Propose PRC Cl 190 Curran, l Commer The "PM Suggest Add EZ Propose	d Respor POSED SC Philip nt Type ".request A_PCS_F edRemed ".request d Respor	ACCEPT. 190.3.7.1.2 E " is missing RX_LPI_ST dy ". ase	Response Status W P84 ADI Comment Status D g in the name of the primi ATUS".		# 35	Ež

C/ 190 SC 190.3.7	1.2 <i>P</i> 84	L <b>43</b>	# 36		C/ <b>190</b>	SC 190.3.7.	2 P87	L <b>39</b>	# 39	
Curran, Philip	ADI				Curran, Ph	ilip	ADI			
Comment Type E	Comment Status D			EZ	Comment	Туре Т	Comment Status D			EZ
Alert signaling is not l	isted in the text "sleep, quiet-	refresh, or wake s	signaling".		Exit co	ndition from TX	_WAKE to TX_MII is incorrec	tly shown as "tx_	_lpi_active".	
SuggestedRemedy					Suggested	Remedy				
Change to "sleep, qui	et-refresh, alert, or wake sign	aling".			Chang	e condition to "	tx_lpi_active".			
Proposed Response	Response Status W				Proposed F	Response	Response Status W			
PROPOSED ACCEP	T.				PROP	OSED ACCEP	Г.			
C/ 190 SC 190.3.7	1.2 <i>P</i> 85	L <b>22</b>	# 37		C/ 190	SC 190.4.8.	2 <i>P</i> 97	L <b>20</b>	# 40	
Curran, Philip	ADI				Curran, Ph	ilip	ADI			
Comment Type E	Comment Status D			ΕZ	Comment	Гуре Е	Comment Status D			EZ
Typo in the variable n	ame "rf_valide".				Missing	g opening pare	nthesis at "wt)" in equation 190	)-8.		
SuggestedRemedy					Suggested	Remedy				
Change to "rf_valid".					Chang	e to "w(t)".				
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉				Proposed F	Response	Response Status W			
PROPOSED ACCEP	Т.				PROP	OSED ACCEP	Г.			
C/ 190 SC 190.3.7	1.5 <i>P</i> 86	L15	# 38		CI 00	SC O	P 99	L15	# 41	
Curran, Philip	ADI				Curran, Ph	ilip	ADI			
Comment Type E	Comment Status D			EZ	Comment	Туре Е	Comment Status D			EEE
	t the counters rfer_cnt and rf				The va	riable lpi_refres	h_detect is not defined.			
link.	correct. These counters are re	quirea when RS-	FEC is enabled to	brine	Suggested	Remedy				
SuggestedRemedy					Add the	e following afte	line 15:			
55	fore line 15 (before the defini	tion of rfer_cnt):			"The fo	llowing variable	e is required when EEE is ena	bled for the link:		
"The following counte	rs are required when RS-FEC	is enabled for th	e link."			esh_detect	eceiver has reliably detected re	efresh signaling	It is set FALSE	
A knock-on effect is t	nat at line 10 the word "counte	ers" needs to cha	nge to "counter".		otherw			en een eignamig.		
Duanasad Daanawaa	Response Status W				Proposed F	Response	Response Status W			
Proposed Response										

CI 00	SC O	P100	L1	# 42	CI 00	SC O	P101	L <b>26</b>	# 45
Curran, Pł	nilip	ADI			Curran, P	hilip	ADI		
Comment	Туре Е	Comment Status D		Editorial	Comment	Туре Т	Comment Status D		PHY Contro
variab	les". This hierarc	ns are currently in 190.4.9.3 v shy does not seem to make se		lause of "190.4.9 State	where	the receive sig	PAM3_TUNING to LINK_FAIL I gnal switches from PAM2 to P/ er the transition where SNR dro	AM3. It is conveiv	able that there could
Suggester			(				e is to allow for this possibility.		
Modify	Y PIMA state diag	ram hierarchy to match that o	t the PCS as to	DIOWS:	Thore	is also no adv	antage in moving to LINK_FAI	l versus remainir	ng in PAM3 TUNING
	.9 Detailed functi .9.1 State diagra	ons and state diagrams ms parameters			In eith	ner case the P⊦	IY will end up waiting for the lir has gone wrong.		
190.4	.9.1.1 Variables .9.1.2 Timers	•			Suggeste		nue gene meng.		
	.9.2 State diagra	ms					om PAM3_TUNING to LINK_F	AIL.	
Proposed	Response	Response Status W			Proposed	Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
	POSED ACCEPT der whether to se	IN PRINCIPLE.	vidual state dia	grams for clarity	PROF	POSED ACCEP	ΥТ.		
C/ 00	SC 0	P101	L17	# 43	C/ 00	SC O	P <b>96</b>	L9	# 46
Curran, Pl		ADI			Curran, P	hilip	ADI		
Comment	•	Comment Status D		EZ	Comment		Comment Status D		PHY Contro
	• •	ND_IDLE_NOT_READY stat	e actions				vious 2 comments, it seems th		
			e actions.				FAIL state immediately causes		
Suggested Chang	<i>dRemedy</i> ge to "FALSE".					ail_inhibit_time	to restart while the link is comin r to expire.	ng up. The PHY I	nust just wait for the
•	Response POSED ACCEPT	Response Status W					ange the text " PHY Control r to make this clear.	eturns to the LIN	K_FAIL state and Auto-
					Suggeste	dRemedy			
CI <b>00</b>	SC O	P 101	L 20	# 44	Chan	ge to following:			
Curran, Pl	•	ADI			" Pl	HY Control retu	rns to the LINK FAIL state and	d waits for the lin	k fail inhibit timer to
Comment	• •	Comment Status D		PHY Control	expire	and Auto-Neg	otation to restart."		
the sta	ate where the tra	ND_IDLE_NOT_READY to LI nsmit signal switches from PA period after the transition whe	M2 to PAM3. I		PROF		Response Status W		
SEND	_IDLE_NOT_RE	tage in moving to LINK_FAIL ADY. In either case the PHY	will end up wait	ting for the	Consi	der after resoll	tion of comments 44 & 45.		
_		o expire in the event that som	eining nas gon	e wrong.					
Suggested Remo	-	n SEND_IDLE_NOT_READY	to LINK FAIL.						
	Response	Response Status W							
•	POSED ACCEPT	,							
TYPE. TR	/technical require	ed ER/editorial required GR/	neneral require	d T/technical E/editorial G/	neneral		Comm	ent ID 46	Page 8 of 24

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

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CI 00	SC O	P <b>49</b>	L38	# 47		C/ 00	SC 0	P 55	L <b>6</b>	# 50	
Curran, F	Philip	ADI				Curran, Ph	nilip	ADI			
Commen	t Type E	Comment Status D			EZ	Comment	Туре Е	Comment Status D			ΕZ
The t	text is still referrin	g to the old rem_rcvr_status p	parameter name			Refere	ence to Figure 19	90-11 is incorrect. I believe it s	should be Figure	190-12	
Suggeste	edRemedy					Suggested	IRemedy				
Char	nge the text to "Th	ne rem_flr_rcvr_status parame	eter"			Chang	je text to " Figi	ure 190-12", also make it an a	ctive cross refer	ence.	
,	d Response POSED ACCEPT	Response Status W				Proposed I PROP	Response OSED ACCEPT	Response Status W			
CI 00	SC O	P 54	L 30	# 48		C/ 00	SC 0	P55	L <b>29</b>	# 51	
Curran, F	Philip	ADI				Curran, Ph	nilip	ADI			
Commen	t Type E	Comment Status D			EZ	Comment	Туре Е	Comment Status D			ΕZ
rem_	_rcvr_status has b	een renamed rem_flr_rcvr_st	atus, eee_low_sn	r is missing				6, although not already specified	ed, looks incorre	ect. It will likely be	
Suggeste	edRemedy						4.x (x TBD).				
Rena		itus to rem_flr_rcvr_status, ad	ld eee_low_snr (a	rrows going to both	h	Suggested	IRemedy	cified in 190.5.4.x"			
Rena recei Proposed	ame rem_rcvr_sta	Response Status W	ld eee_low_snr (a	rrows going to both	h	Suggested Chang Proposed I	Remedy je text to " spe	Response Status W			
Rena recei Proposec PRO	ame rem_rcvr_sta ve and transmit) d Response	Response Status W	ld eee_low_snr (a	rrows going to both	h 	Suggested Chang Proposed I	Remedy le text to " spe Response	Response Status W	L 36	# 52	
Rena recei Proposed	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC <b>0</b>	Response Status W	、		h 	Suggested Chang Proposed I PROP	Remedy le text to " spe Response OSED ACCEPT	Response Status W	L 36	# 52	
Rena recei Proposed PRO C/ 00 Curran, F	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC <b>0</b> Philip	Response Status W	、	# [49	h	Suggested Chang Proposed I PROP CI 00	Remedy le text to " spe Response OSED ACCEPT SC 0	Response Status W	L 36	# <u>52</u>	EZ
Rena recei Proposec PRO CI 00 Curran, F Commen The p	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC 0 Philip t Type T paragraph "The ca	Response Status W P54 ADI Comment Status D ontrol and management interfa	L49,50	# 49 <i>Edi</i>	<i>itorial</i> ithin	Suggested Chang Proposed I PROP CI 00 Curran, Ph Comment	IRemedy le text to " spe Response OSED ACCEPT SC 0 hillip Type E	Response Status W P 58 ADI			EZ
Rena recei Proposec PRO CI 00 Curran, F Commen The p 10 m	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC 0 Philip t Type T paragraph "The ca is from setting of I	Response Status W P54 ADI Comment Status D ontrol and management interfa bit 3.2295.15" should be remo	L <b>49,50</b> ace shall be resto	# <u>49</u> <i>Edi</i> bred to operation wi ady defined in Clau	<i>itorial</i> ithin ise	Suggested Chang Proposed I PROP CI 00 Curran, Ph Comment	Remedy le text to " spe Response OSED ACCEPT SC 0 hillip Type E 190-1 header sh	Response Status W P58 ADI Comment Status D			EZ
Rena recei Proposec PRO CI 00 Curran, F Commen The p 10 m 45.2.	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC 0 Philip t Type T paragraph "The ca is from setting of I	Response Status W P54 ADI Comment Status D ontrol and management interfa	L <b>49,50</b> ace shall be resto	# <u>49</u> <i>Edi</i> bred to operation wi ady defined in Clau	<i>itorial</i> ithin ise	Suggested Chang Proposed I PROP CI 00 Curran, Ph Comment Table Suggested Renam	IRemedy ge text to " spe Response OSED ACCEPT SC 0 hillip Type E 190-1 header sh IRemedy ne "tx_enable" a	Response Status W P58 ADI Comment Status D nows tx_enable and tx_error w and "tx_error" column headers	hich are not def	ned.	EZ
Rena recei Proposec PRO C/ 00 Curran, F Commen The p 10 m 45.2. parag	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC 0 Philip t Type T paragraph "The ca is from setting of I 3.75a.1, where th	Response Status W P54 ADI Comment Status D ontrol and management interfa bit 3.2295.15" should be remo	L <b>49,50</b> ace shall be resto	# <u>49</u> <i>Edi</i> bred to operation wi ady defined in Clau	<i>itorial</i> ithin ise	Suggested Chang Proposed I PROP C/ 00 Curran, Ph Comment Table Suggested Renam "TX_E	IRemedy ge text to " spe Response OSED ACCEPT SC 0 hillip Type E 190-1 header sh IRemedy ne "tx_enable" a R" respectively.	Response Status W P58 ADI Comment Status D nows tx_enable and tx_error w and "tx_error" column headers	hich are not def	ned.	EZ
Rena recei Proposec PRO C/ 00 Curran, F Comment 10 m 45.2. parag Suggeste	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC 0 Philip t Type T paragraph "The co is from setting of I 3.75a.1, where th graph. edRemedy	Response Status W P54 ADI Comment Status D ontrol and management interfa bit 3.2295.15" should be remo	L 49,50 ace shall be resto oved. That is alrea is in contradiction	# 49 Edi bred to operation wi ady defined in Clau n with the value in t	<i>itorial</i> ithin ise	Suggested Chang Proposed I PROPU Cl 00 Curran, Ph Comment Table Suggested Renam "TX_EI Proposed I	IRemedy ge text to " spe Response OSED ACCEPT SC 0 hillip Type E 190-1 header sh IRemedy ne "tx_enable" a R" respectively. Response	Response Status W P 58 ADI Comment Status D nows tx_enable and tx_error w and "tx_error" column headers Response Status W	hich are not def	ned.	EZ
Rena recei Proposed PRO C/ 00 Curran, F Commen The p 10 m 45.2. parag Suggeste Rem	ame rem_rcvr_sta ve and transmit) d Response POSED ACCEPT SC 0 Philip t Type T paragraph "The co is from setting of I 3.75a.1, where th graph. edRemedy	Response Status W P54 ADI Comment Status D ontrol and management interfa bit 3.2295.15" should be remo he defined time is 0.5 s, which	L 49,50 ace shall be resto oved. That is alrea is in contradiction	# 49 Edi bred to operation wi ady defined in Clau n with the value in t	<i>itorial</i> ithin ise	Suggested Chang Proposed I PROPU Cl 00 Curran, Ph Comment Table Suggested Renam "TX_EI Proposed I	IRemedy ge text to " spe Response OSED ACCEPT SC 0 hillip Type E 190-1 header sh IRemedy ne "tx_enable" a R" respectively.	Response Status W P 58 ADI Comment Status D nows tx_enable and tx_error w and "tx_error" column headers Response Status W	hich are not def	ned.	EZ

C/ 00 SC 0	P60	L 20	# 53	C/ 00 SC 0	P77	L <b>40</b>	# 56	
Curran, Philip	ADI			Curran, Philip	ADI			
Comment Type E	Comment Status D		Editorial	Comment Type E	Comment Status D			ΕZ
TS is '—', and should b	be 1.			"The CRC16 polyno	mial (x + 1)(x15 + x + 1) " shoul	d use superscripts	s for the exponents	s
SuggestedRemedy				SuggestedRemedy				
	S from — to 1. Alternatively T I)*(Odd transfer = DAT)*(Eve			polynomial (x + 1)(x	not show up correctly in Excel o 15 + x + 1)"	online. Change the	e text to "The CRC	;16
				Proposed Response	Response Status W			
Proposed Response PROPOSED ACCEPT	Response Status W			PROPOSED ACCE	PT.			
				C/ 00 SC 0	P81	L48	# 57	
C/00 SC 0	P71	L <b>42</b>	# 54	Curran, Philip	ADI			
Curran, Philip	ADI			Comment Type E	Comment Status D			ΕZ
Comment Type E Reference to Table 190	Comment Status D 0-10 is incorrect, it should be	Table 190-9	EZ		"setting all of the bits of each -5 to zero" would be clearer with			
SuggestedRemedy				SuggestedRemedy				
Change text to "Table	190-9"			Change the text to "	, which is shown in Figure 19	0-5, to zero"		
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response PROPOSED ACCE	Response Status W PT.			
C/00 SC 0	P72	L <b>4</b>	# 55	C/ 00 SC 0	P82	L <b>46, 49</b>	# 58	
Curran, Philip	ADI			Curran, Philip	ADI			
Comment Type E	Comment Status D		EZ	Comment Type T	Comment Status D			ΕZ
Reference to 190.3.7 is	s incorrect, it should be 190.3	.6			"The set of characters that may			
SuggestedRemedy					acters that may occur within a pa kets, and /Sp/, /Su/ and /Tu/ ca			ρ/
Change text to "as dec	ribed in 190.3.6"			SuggestedRemedy				
Proposed Response PROPOSED ACCEPT	Response Status W				age 82 "The set of characters t remove text "The set of charact			
				Proposed Response	Response Status W			

C/ 00 SC 0	P83	L 41	# 59		C/ 00 SC 0	P <b>95</b>	L <b>52</b>	# 63
Curran, Philip	ADI				Curran, Philip	ADI		
Comment Type E	Comment Status D			EZ	Comment Type E	Comment Status D		EZ
tx_mii<2N - 1><0:5> s	should be tx_mii<0:(2N - 1)><0	:5>			rem_rcvr_status has	been renamed rem_flr_rcvr_st	atus	
SuggestedRemedy					SuggestedRemedy			
Change the variable n	ame to "tx_mii<0:(2N - 1)><0:	5>"			Change text to "When		_	
Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉					eceiver and has detected rem_	_flr_rcvr_status =	OK"
PROPOSED ACCEP	Г.				Proposed Response	Response Status W		
		1.0	"		PROPOSED ACCEP	Т.		
C/00 SC 0	P85	L8	# 60		C/ 00 SC 0	P <b>31</b>	L <b>5</b>	# 64
Curran, Philip	ADI				Curran, Philip	ADI		
Comment Type E	Comment Status D			EZ	Comment Type <b>T</b>	Comment Status D		Registers
The reference to 190.	3.2.11 IS Incorrect				• ·	control and management inter	ace shall be rest	0
SuggestedRemedy						it 3.2295.15" should be chang		
Change text to "descr	ibed in 190.3.2.12"					e" is used in many places in th "Management Data Input/Ou		
Proposed Response	Response Status W				considered to rephase			,
PROPOSED ACCEP	Г.				SuggestedRemedy			
C/00 SC 0	P <b>92</b>	L16 (17?	# 61			he control and management ir	nterface shall be i	restored to operation
Curran, Philip	ADI					ting of bit 3.2295.15". ohrase it to "The reset process	s should complete	within 10 ms from
Comment Type E	Comment Status D			EZ	setting of bit 3.2295.1	5" or "The MDIO interface sha		
The reference to Figu	re 190-14 is incorrect				from setting of bit 3.2	295.15"		
SuggestedRemedy					Proposed Response	Response Status W		
Change text to "Figure	e 190-17"				PROPOSED ACCEP	T IN PRINCIPLE. /IDIO interface or its equivaler	t for accessing c	ontrol and status hits
Proposed Response	Response Status W					peration within 10 ms from set		
PROPOSED ACCEP	•						-	
C/00 SC 0	P93	L1	# 62					
Curran, Philip	ADI							
Comment Type E rem_rcvr_status has t	Comment Status D been renamed rem_flr_rcvr_sta	atus, eee_low_snr	is missing	EZ				
SuggestedRemedy								
	atus to rem flr rcvr status, ad	d eee_low_snr in F	igure 190-17					
Rename rem_rcvr_sta								
Rename rem_rcvr_sta Proposed Response	Response Status W							

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

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C/ <b>00</b>	SC O	P 57/58	L 47/9,10	# 65	CI <b>45</b>	SC 45.2.1.16.	1aa	P <b>26</b>	L37	# 68	
Curran, Ph	nilip	ADI			Graber, S	teffen		Pepperl+Fuch	ns SE		
Comment	Туре Е	Comment Status D		Editorial	Comment	Туре Е	Comment	Status <b>D</b>			E
		s shown as binary, the lefmo			Bit 1.	18.8 has been cha	inged to bit 1.	18.9 (as 802.3	da has already re	eserved bit 1.18.8)	-
		TXD<3:0> values shown sub ftmost bit, while accoring to			Suggeste	dRemedy					
	other than that, b	nary values are not used in (				ge Bit 1.18.8 to 1. y also editing instr				otal 3 replacemen oject.	ts).
Suggested	lRemedy				Proposed	Response	Response S	Status <b>W</b>			
transm	nitted bit". Also ren	57: "For values shown as bir nove the last sentence in pag	ge 58 lines 9-10 "			POSED ACCEPT.					
		mitted bit (the LSB) on the le	ft".		C/ <b>45</b>	SC 45.2.1.23	6b	P <b>28</b>	L <b>39</b>	# 69	
•	Response	Response Status W			Graber, S	teffen		Pepperl+Fuch	ns SE		
Remov	OSED ACCEPT II ve line 47 in page nitted bit".	N PRINCIPLE. 57: "For values shown as bir	nary, the lefmost l	bit is the first	Comment ", LH	<i>Type</i> <b>E</b> = Latching high" is	Comment s not needed				Ež
Consid		raph on page 58 lines 5 throu lause	ugh 11 is needed	- this notation	Suggester Remo	dRemedy ove ", LH = Latchir	ıg high".				
					Proposed	Response	Response 3	Status <b>W</b>			
C/ Keywo	r SC Keywords		L5	# 66	PROF	POSED ACCEPT.					
Graber, Ste		Pepperl+Fuchs	SE		C/ 45	SC 45.2.1.23	Sh 4	P44	L <b>44</b>	# 70	
Comment	21	Comment Status D		EZ			00.1			# [70	
Please Collisio standa	on Avoidance" and	e two commas after "Etherne I "PLCA" should be removed	et" and also keyw , as these are no	ords "Physical Layer t used within this	Graber, S Comment	Туре Е	Comment		IS SE		E.
Suggested	Remedy					pports a an increa	ised" the "a" I	s too much.			
	r comment.				Suggeste	,					
Proposed I	Response	Response Status W				ge to: "supports a	n increased".				
•	OSED ACCEPT.				,	<i>Response</i> POSED ACCEPT.	Response S	Status <b>W</b>			
C/ <b>1</b>	SC 1.4	P 20	L35	# 67							
	effen	Pepperl+Fuchs	SE								
Graber, Ste	Type E	Comment Status D		EZ							
Comment	et" should read as	"an octet".									
Comment "a octe	et" should read as	"an octet".									
Comment "a octe Suggested	et" should read as	"an octet".									
Suggested As per	et" should read as IRemedy	"an octet". Response Status W									

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

C/ <b>45</b>	SC 45.2.3	P 30	L19	# 71	C/ <b>45</b>	SC 45.2.3.7	′5d	P33	L <b>8</b>	# 74	
Graber, Ste	effen	Pepperl+Fuch	ns SE		Graber, S	Steffen		Pepperl+Fuc	hs SE		
Comment	Туре Е	Comment Status D		EZ	Comment	t Type E	Comment	Status D			E
		ement" register is now nam			Bits 0	) and 1 are also	reserved.				
	q" resister.	tner advertisement" register	IS NOW TOUBA	SE-ITL link partner	Suggeste	edRemedy					
Suggested	-				Chan	ige "3.2298.13:2	" to "3.2298.13	:0".			
Chang	e from "100BASE	-T1L Advertisement" to "10 tner advertisement" to "100				<i>l Response</i> POSED ACCEP	Response T.	Status <b>W</b>			
Proposed I PROP	Response OSED ACCEPT.	Response Status W			C/ <b>190</b>	SC 190.2.2		P <b>44</b>	L 39	# 75	
					Graber, S	Steffen		Pepperl+Fuc	chs SE		
C/ <b>45</b> Graber, Ste	SC 45.2.3.75b effen	P <b>31</b> Pepperl+Fucl	L <b>33</b> ns SE	# 72	Comment "PMA	21		Status <b>D</b> ould be "PMA_	_REMFLRRXSTA	TUS.request".	E
Comment		Comment Status D		EZ	Suggeste	edRemedy					
RS-FE" Suggested	-	uld not be latching high, onl	y read-only.		Chan	-			_REMFLRRXSTA	TUS.request". Ch	ange
	e "RO/LH" to "RC	and remove "LH = Latchir <i>Response Status</i> <b>W</b>	ng high, " from te	ext line below table.		l Response POSED ACCEP	,	Status <b>W</b>			
PROP	OSED ACCEPT.				C/ <b>190</b>	SC 190.2.2		P <b>45</b>	L18	# 76	
C/ 45	SC 45.2.3.75d	P 32	L <b>41</b>	# 73	Graber, S	Steffen		Pepperl+Fuc	chs SE		
Graber, Ste	effen	Pepperl+Fuch	ns SE		Comment			Status D			E.
Comment 3	Туре Е	Comment Status D		EZ	"PMA	A_REMPHYIDLE	request" shoul	d be "PMA_RE	EMPHYIDLE.requ	est".	
		ner trainingregister" should onally in line 45 the "I" in "lin		•		ed <i>Remedy</i> nge "PMA_REMF	PHYIDLEreque	st" to "PMA_RI	EMPHYIDLE.requ	iest".	
	e "100BASE-T1L	link partner trainingregister g "I" in "link partner" in line		1L link partner training		l Response POSED ACCEP	Response T.	Status <b>W</b>			
Proposed I		Response Status W			C/ 190	SC 190.2.2	.9.1	P <b>49</b>	L 38	# 77	
PROP	OSED ACCEPT.				Graber, S	Steffen		Pepperl+Fuc	chs SE		
					Comment "rem_	<i>t Type</i> <b>E</b> _rcvr_status" sh		Status <b>D</b> r_rcvr_status".			E
					88	edRemedy nge "rem_rcvr_st	atus" to "rem_t	lr_rcvr_status"			
						l Response POSED ACCEP	,	Status W			
	technical required	ER/editorial required GR	aeneral required	d T/technical F/editorial G	general			Comn	nent ID <b>77</b>	Page 13	of 24

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

Comment ID 84

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C/ 190 SC 190.3.2.12	P71	L 41	# 85		C/ 190	SC 190.4	P <b>92</b>	L18	# 89
Graber, Steffen	Pepperl+Fuch	ns SE			Graber, Ste	effen	Pepperl+Fuch	ns SE	
Comment Type E	Comment Status D			ΕZ	Comment	Туре Т	Comment Status D		Editoria
"." after "Table 190–10"	is missing.					"Refresh monitor h monitor block is	r block" is incorporated in the s required.	e PMA Receive	function, no separate
SuggestedRemedy Add dot at the end of the	e sentence. Also add a dot a	at the end of the	e sentence on page	e 72,	Suggested	-			
line 12.					Remov line 18		tor, " in line 11 on page 92 a	nd also the asso	ciated Editor's note in
Proposed Response PROPOSED ACCEPT.	Response Status W				Proposed I PROP	Response OSED ACCEPT.	Response Status W		
C/ 190 SC 190.3.2.12	P <b>72</b>	L 33	# 86		C/ 190	SC 190.4.4.1	P <b>95</b>	L <b>21</b>	# 90
Graber, Steffen	Pepperl+Fuch	ns SE			Graber, Ste		Pepperl+Fuch		# 90
Comment Type E	Comment Status D			EEE	Comment		Comment Status D	IS SE	Dogiator
32 partial frame counts i	s 32 * 2.4 µs = 76.8 µs, 44	partial frame co	unts is 105.6 µs.			51	as been removed.		Registers
SuggestedRemedy					Suggested	Remedv			
-	µs" and "105.6s" to "105.6	µs".			00	-	oping of MDIO status variabl	es to PMA statu	s variables is shown in
Proposed Response	Response Status W					190–13." and tab			
PROPOSED ACCEPT.					Proposed I	Response	Response Status W		
C/ 190 SC 190.3.3	P <b>72</b>	L <b>42</b>	# 87		PROP	OSED ACCEPT.			
Graber, Steffen	Pepperl+Fuch	ns SE			C/ 190	SC 190.4.8.2	P97	L20	# 91
Comment Type E	Comment Status D			ΕZ	Graber, Ste	effen	Pepperl+Fuch	ns SE	
The Receive state diagr	am is split into Figure 190-1	4 and Figure 19	90-15.		Comment	Туре Е	Comment Status D		EZ
SuggestedRemedy					Should	l read as "+ w(t)".			
Change "Figure 190-14"	to "Figure 190-14 and Figu	re 190-15".			Suggested	Remedy			
Proposed Response	Response Status W				Chang	e "+ wt)" to "+ w(	t)"		
PROPOSED ACCEPT.					Proposed I	Response	Response Status W		
C/ 190 SC 190.4	P <b>92</b>	L16	# 88		PROP	OSED ACCEPT.			
Graber, Steffen	Pepperl+Fuch	is SE							
Comment Type E The PMA Reference dia	Comment Status D			EZ					
SuggestedRemedy									
Change reference from	10116 190-14 10 190-17								

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

C/ 190	SC	190.4.9.1	P98	L 36	# 9	92
Graber, St	effen		Pepper	I+Fuchs SE		
Comment	Туре	Е	Comment Status	ס		EZ
			een renamed to "rem MA_REMFLRRXSTA		"PMA_REMRXS	STATUS"
Suggested	Remea	ly				
			s" to "rem_flr_rcvr_st .request" to "PMA_RE		JS.request".	
Proposed	Respon	ise	Response Status	N		
PROP	OSED	ACCEPT.	,			
. <u> </u>						
C/ <b>190</b>	SC	190.4.9.3	P <b>10</b> 1	l L 19	# 9	93
Graber, St	effen		Pepper	I+Fuchs SE		
Comment	Туре	Е	Comment Status	כ		PHY Control
"SENE the ou short t PAM3 seque would	D_IDLE itcome I ime the modula nce fails get stu	_NOT_RE has been, t local receination. Addir s. As Auto- ck in one o	suggested to add an ADY" and "PAM3_TU hat this should not be iver status could beco ing the two exit conditi Negotiation is manda f these states, the AN rol state machine.	JNING" state. Du e implemented, a ome unstable, wh ons would result atory, in case the	ring the following s there is a risk, hen switching from in a risk, that the PHY control stat	g discussion, that for a m PAM2 to e link startup te machine
<b>•</b> •						

#### SuggestedRemedy

Please remove exit condition to "LINK\_FAIL" from "SEND\_IDLE \_NOT\_READY" state and "PAM3 TUNING" state.

#### Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE Consider with comments 44 and 45

C/ <b>190</b>	SC 190.7.2	2.1 P108	L14	#	94
Graber, St	effen	Pepperl+I	Fuchs SE		
Comment	Type E	Comment Status D			Editorial

Comment Type	Е	Comment Status D	
--------------	---	------------------	--

The IL20MHz is in dB, thus the "dB" unit needs to be removed in the following lines.

#### SuggestedRemedy

Change to: "IL20MHz < 16", "16 <= IL20MHz < 18", "18 <= IL20MHz < 21", "21 <= IL20MHz < 23" and "IL20MHz >= 23" (remove "dB"). Do the same on page 109, line 15ff and add "in dB" at the end of line 13 (after "20 MHz").

#### Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

There is no harm in the extra clarity that IL20MHz is compared to values in dB on page 108.

#### On page 109, line 13, add "in dB" after "at 20 MHz"

C/ 190	SC	190.3.4.2	P76	L18	# 95
Graber, St	effen		Pepperl+Fuchs SE	Ξ	
Comment	Туре	Е	Comment Status D		EZ
Closin	g bracl	ket at the en	d of the line should be a norma	l bracke	t.

SuggestedRemedv

Change "]" to ")" at the end of the line. Do this also in lines 23 and 30.

Proposed Response Response Status W PROPOSED ACCEPT.

SC 190.3.6	P79	L <b>46</b>	# 96
effen	Pepperl+F	Fuchs SE	
<i>Type</i> <b>E</b> d be singular.	Comment Status D		EZ
<i>IRemedy</i> je "use" to "use	es".		
Response OSED ACCEP	Response Status W		
	effen Type E d be singular. <i>IRemedy</i> Je "use" to "use Response	effen Pepperl+F Type E Comment Status D d be singular. IRemedy je "use" to "uses".	effen Pepperl+Fuchs SE Type E Comment Status D d be singular. IRemedy ge "use" to "uses". Response Response Status W

C/ 190 SC 19	0.3.6	P80	L 31	# 97		C/ 190	SC 190.3.7.1.	2 P84	L3	# 101
Graber, Steffen		Pepperl+Fuch	s SE			Graber, St	effen	Pepper	1+Fuchs SE	
• •	E reference	<i>Comment Status</i> <b>D</b> d on page 79, line 47.			ΕZ	Comment RX_LF		Comment Status		EZ
SuggestedRemedy Remove editoria	al note.					<i>Suggested</i> Chang	-	to Figure 190-15. Do t	he same for the refere	nce on page 86, line 28.
Proposed Response PROPOSED AC		Response Status W				Proposed PROP	Response OSED ACCEPT.	Response Status	w	
C/ 190 SC 19	0.3.6.1	P81	L 12	# 98		C/ <b>190</b>	SC 190.3.7.1.	2 P84	L12	# 102
Graber, Steffen		Pepperl+Fuch	s SE			Graber, St	effen	Pepper	1+Fuchs SE	
Comment Type I "of" is missing.	E	Comment Status D			EZ	<i>Comment</i> The S	<i>Type</i> <b>E</b> NR of the remote	<i>Comment Status</i> PHY is meant.	D	EZ
SuggestedRemedy Change " beg	jinning ar	ly" to " beginning of an	y …". Do the s	ame in line 13.		Suggested Chang	<i>IRemedy</i> je "to SNR" to "th	e SNR".		
Proposed Response PROPOSED AC		Response Status W	-			Proposed		Response Status	w	
C/ 190 SC 19	0.3.6.1	P81	L	# 99		C/ <b>190</b>	SC 190.3.7.1.	2 P85	L <b>22</b>	# 103
Graber, Steffen		Pepperl+Fuch	s SE			Graber, St	effen	Pepper	1+Fuchs SE	
"tx_refresh_activ (2 spaces added		Comment Status <b>D</b> should be "tx_refresh_active	e = true" to alig	n with the following	<i>EZ</i> lines	Comment "rf_val Suggested	id" variable name	Comment Status	-	EZ
SuggestedRemedy						Chang	je "rf_valide" to "r	f_valid".		
Change "tx_refre Proposed Response PROPOSED AC	9	ve=true" to "tx_refresh_activ Response Status W	e = true". Do th	ne same in table 190	0-11.	Proposed PROP	Response OSED ACCEPT.	Response Status	w	
	0.3.7.1.2	P83	L <b>41</b>	# 100		C/ <b>190</b>	SC 190.3.7.2	P89	L1	# 104
Graber, Steffen		Pepperl+Fuch				Graber, St			1+Fuchs SE	
Comment Type	E 1~~0・5~"	Comment Status D		sion is missing	EZ	<i>Comment</i> The R		Comment Status I ram is split into Figure	<b>D</b> e 190-14 and Figure 19	<i>EZ</i> 0-15.
—	12-0.52	the lower boundary in the f	ist allay ullier	ISION IS MISSING.		Suggested	lRemedy			
SuggestedRemedy	-2NI 15-	(0.E>" to "ty mildo/2NL 1)>	<0.E>"			Chang	e "Figure 190-14	" to "Figure 190-14 an	d Figure 190-15".	
		<0:5>" to "tx_mii<0:(2N - 1)>	···0.02 .			Proposed	Response	Response Status	w	
Proposed Response PROPOSED AC		Response Status W				PROP	OSED ACCEPT.			
		ER/editorial required GR/g atched A/accepted R/reject					7/withdrawn		Comment ID 104	Page 17 of 24 6/20/2025_9:26

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

	7.2 P89	L22	# 105	C/ 30 SC 30	P 30	L <b>2</b>	# 108
Graber, Steffen	Pepperl+Fuc	hs SE		Zimmerman, George	APL Group,	ADI, Cisco, Marv	ell, Onsemi, Sony
Comment Type E	Comment Status D		EZ	Comment Type T	Comment Status D		Management
SuggestedRemedy	PKT_R". "x_char" (see line 27	, _		30.3.2.1.3 aPhyTyp	or clause 30. Speciifically add eList, 30.5.1.1.2 aMAUType, d oNegLocalTechnologyAbility		
0	"PKT_R" (line 22). Change "x_	_char" to "rx_char"	(line 27).	SuggestedRemedy			
Proposed Response PROPOSED ACCEF	Response Status W PT.			Add the following to 30.3.2.1.2 aPHYTy Insert the following		ATE SYNTAX sec	tion of 30.3.2.1.2 after
C/ <b>190</b> SC <b>190.3.</b> Graber, Steffen	7.2 P91 Pepperl+Fuc	L <b>28</b> chs SE	# 106	the entry for 100BA			
Comment Type E "rxrx_cnt" should be SuggestedRemedy	_		EZ	the entry for 100BA	new entries in the APPROPRIA	ATE SYNTAX sec	tion of 30.3.2.1.3 after
Change "rxrx_cnt" to	o "rfrx_cnt". Apply the same ch	ange to line 31.		30.5.1.1.2 aMAUTy	pe		
Proposed Response	Response Status W PT.			the entry for 100BA	new entries in the APPROPRI SE-T1: ngle balanced pair PHY as spe		
PROPOSED ACCER							
	.4 P22	L31	# 107	30 5 1 1 4 aMediaA	vailable		
C/ 22 SC 22.2.2.		L <b>31</b> ADI, Cisco, Marve		30.5.1.1.4 aMediaA Change the fourth s	vailable sentence of the third paragraph	of the BEHAVIO	JR DEFINED AS
				Change the fourth s section of 30.5.1.1.	sentence of the third paragraph 4 as shown:		
Cl 22 SC 22.2.2. Zimmerman, George Comment Type E The link fault state d the sequence ordered	APL Group,	ADI, Cisco, Marve o be necessary sp is different and doo	II, Onsemi, Sony <i>Link Fault</i> ecifically to manage	Change the fourth s section of 30.5.1.1. For 10BASE-T1L <br to the enumeration	entence of the third paragraph 4 as shown: UL>, 100BASE-T1L, and	l 100BASE-T1, a l	
Cl       22       SC       22.2.2.         Zimmerman, George         Comment Type       E         The link fault state d         the sequence ordered         ordered sets, so I do	APL Group, <i>Comment Status</i> <b>D</b> liagram in clause 46 appears to ed sets. The use in clause 22	ADI, Cisco, Marve o be necessary sp is different and doo	II, Onsemi, Sony <i>Link Fault</i> ecifically to manage	Change the fourth s section of 30.5.1.1. For 10BASE-T1L <br to the enumeration (where  indica 30.6.1.1.5 aAutoNe	sentence of the third paragraph 4 as shown: UL>, 100BASE-T1L, and "available". ates where underline begins an gLocalTechnologyAbility	l 100BASE-T1, a l nd ends)	ink_status of OK maps
Cl       22       SC       22.2.2.         Zimmerman, George         Comment Type       E         The link fault state d         the sequence ordered         ordered sets, so I do	APL Group, Comment Status D liagram in clause 46 appears to ed sets. The use in clause 22 on't believe a signaling state di	ADI, Cisco, Marve o be necessary sp is different and doo	II, Onsemi, Sony <i>Link Fault</i> ecifically to manage	Change the fourth s section of 30.5.1.1. For 10BASE-T1L <br to the enumeration (where  indica 30.6.1.1.5 aAutoNe Insert the following	entence of the third paragraph 4 as shown: UL>, 100BASE-T1L, and "available". ates where underline begins an gLocalTechnologyAbility new entries in APPROPRIATE	l 100BASE-T1, a l nd ends)	ink_status of OK maps
Cl 22       SC 22.2.2.         Cimmerman, George         Comment Type       E         The link fault state d         the sequence ordered         ordered sets, so I do         SuggestedRemedy         Delete editor's note a	APL Group, Comment Status D liagram in clause 46 appears to ed sets. The use in clause 22 on't believe a signaling state di	ADI, Cisco, Marve o be necessary sp is different and doo	II, Onsemi, Sony <i>Link Fault</i> ecifically to manage	Change the fourth s section of 30.5.1.1. For 10BASE-T1L <br to the enumeration (where  indica 30.6.1.1.5 aAutoNe Insert the following entry for "10BASE-	entence of the third paragraph 4 as shown: UL>, 100BASE-T1L, and "available". ates where underline begins an gLocalTechnologyAbility new entries in APPROPRIATE	I 100BASE-T1, a l id ends) SYNTAX section	ink_status of OK maps
Cl 22 SC 22.2.2. Zimmerman, George Comment Type E The link fault state d the sequence ordere ordered sets, so I do SuggestedRemedy	APL Group, Comment Status D liagram in clause 46 appears to ed sets. The use in clause 22 on't believe a signaling state di at P22 L31 Response Status W	ADI, Cisco, Marve o be necessary sp is different and doo	II, Onsemi, Sony <i>Link Fault</i> ecifically to manage	Change the fourth s section of 30.5.1.1. For 10BASE-T1L <br to the enumeration (where  indica 30.6.1.1.5 aAutoNe Insert the following entry for "10BASE-	sentence of the third paragraph 4 as shown: UL>, 100BASE-T1L, and "available". ates where underline begins an gLocalTechnologyAbility new entries in APPROPRIATE IFD":	I 100BASE-T1, a l id ends) SYNTAX section	ink_status of OK maps

C/ 78 SC 78.1.4	P35	L <b>6</b>	# 109	CI 78	SC 78.2	P35	L8	# 111		
Zimmerman, George	APL Group, A	DI, Cisco, Marv	ell, Onsemi, Sony	Zimmerm	an, George	APL Group	, ADI, Cisco, Mai	vell, Onsemi, Sony		
Comment Type T	Comment Status D		EEE	Commen	tType E	Comment Status D		EEL		
need entries in clause	78 for 100BASE-T1L			need	to add placeho	lder for needed content in Ta	ble 78-4			
SuggestedRemedy				Suggeste	dRemedy					
Insert the following new shown) (insert table 78-1 -Clau row (as below), and on PHY or interface type 100BASE-T1L	Clause 190		<b>、</b>	to the "Inse show add ∃ the d	e draft, with edit rt the following n n):" Table 78-4 - Sur raft, with heade	I link access latency ing instruction , new row in Table 78-4 after r mmary of LPI timing paramet r row, and one row for 100BA naining columns blank.	ers for supported	PHYs or interfaces to		
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed	Response	Response Status W				
CI 78 SC 78.2	P35	L7	# 110	Sugg	ested remedy -	reviewers should consider w				
Zimmerman, George	APL Group, A	DI. Cisco. Marv	ell, Onsemi, Sony	and t	ry to fill in the ta	able rather than add a blank t	able to fill in later			
Comment Type <b>T</b>	Comment Status D	, ,	EEE	C/ 98	SC 98.2	P36	L <b>4</b>	# 112		
need to add placehold	ers for additional needed para	meters for EEE	in table 78-2.	Zimmerm	an, George	APL Group	, ADI, Cisco, Mai	vell, Onsemi, Sony		
SuggestedRemedy				Comment	t Type <b>T</b>	Comment Status D		AutoNeg		
	ning parameters description to out the headers, min & max va				need to specify which mode 100BASE-T1L shall use. Suggest using LSM to align with distance and likely pairing with 10BASE-T1L in multimode PHYs					
0	w row in Table 78-2, after the	row for 10BASE	-T1L (unchanged rows	Suggeste	dRemedy					
not shown): PHY or interface type 100BASE-T1L	T_s T_q T_r 19.2 211.2 19.2				Ū.	the draft, after 98.2 (where </td <td>UL&gt; indicates st</td> <td>tart or stop of underline)</td>	UL> indicates st	tart or stop of underline)		
comment, min & max t	not to be included in the draft imes are equal, so the comm d format the row per IEEE Std <i>Response Status</i> <b>W</b>	ent doesn't repe		Chan For li 100B Nego	ge the 3rd and nk segments wi ASE-T1L tiation is impler	tion requirements 4th sentences of the last par th high insertion loss and tho , LSM is provided to enable t nented, 10BASE-T1L a ay optionally support HSM.	se requiring 10B he full reach cap	ASE-T1L or ability. If Auto-		
PROPOSED ACCEPT Suggested remedy with					Response	Response Status W				

PROPOSED ACCEPT.

PROPOSED ACCEPT IN PRINCIPLE. Suggested remedy with editorial license.

Comment ID 112

CI 98	SC 98.5.1	P36	L <b>5</b>	# 113		C/ 104	SC 104		P37	L <b>4</b>	# 114	
Zimmerma	an, George	APL Group, /	ADI, Cisco, Mar	vell, Onsemi, Sony		Zimmerma	n, George		APL Group,	ADI, Cisco, Mar	vell, Onsemi, Sony	
Comment	Туре Т	Comment Status D		Αι	ıtoNeg	Comment	Туре Т	Corr	nment Status D			Power
Note,	this really needs main e our scope. MultiG	- low power register bit to intenance so we don't ha BASE-T1 PHYs are miss	ve to call out al			T1L, a 100BA	s the coupline SE-T1 or 10	g frequencie BASE-T1L.	gest that a new PoE es and MDI return k Suggest that ripple nould be sufficient fo	oss will likely be voltage measur	different than for ement requirement	
		aft after 98.2 (and any su	bclauses addeo	d by other comment	s):	Suggested	IRemedy					
98.5 E 98.5.1 Chang power	Detailed functions and State diagram varia ge the variable power on	d state diagrams bles				104.1. Insert the sa	3 PoDL syste the following a me paragraph	m types after the las ı):	ign with clause 104 st sentence of the s ) are compatible wit	econd paragraph	n of 104.1.3 (as par	t of
	0	s has reached the operat	ing region or the	e device has low-po	wer		Power Sourci 1 PSE types	ng Equipm	ent (PSE)			
		A control register bit 1.23	04.11, the	e 100BASE-T1L PM	A		je 104.4.1 as	shown:				
Values	s:	11, or via 10BASE etely powered (default)	-T1L PMA contr	ol register bit 1.229	4.11.				ultiple types of PSE e F, and Type			D,
		en completely powered				104.4.	7 PSE output	requireme	nts			
		Response Status W				104.4.	7.3 Power fee	ding ripple	and transients			
PROP	Proposed Response Response Status PROPOSED ACCEPT.					When Cat the transfe Chang When	measuring th >, or Type G MDI/PI with ther function H_ ge third senter measuring th	e ripple vol PSE ne differenti 2(f) specifie nce of the 2 e ripple vol	the third paragraph o tages for a Type A< as specified by Tat ial probe where f1 = ed in Equation (104 end paragraph of 10 tage for a Type A <br as specified by Tat	<pre>c/SO&gt; or&lt; ble 104-7 item (4 31.8 kHz ± 1% -3) where f_2 = 4.4.7.3 as shown SO&gt; or</pre>	/UL>, Type b), the voltage obs is post-processed v 1 MHz ± 1%. n: JL>,  Type	with
							Powered Dev 1 PD types	ice (PD)				
						Chang For Po	je 104.5.1 as DL systems t	here are si	x types of PDs—Ty ▶Type F, and			
						104.5. Insert The rip voltage	ople and trans es in the rang	new last se ient specifi e of V_PD	ents Intence to the secor ications for a Type ( sourced through a 0 and over the rang	G PD shall be mo dc bias coupling	et for all operating	eturn
						When	measuring th	e ripple vol	he third paragraph o tage for a Type A < as specified by Table	/SO>or </td <td>UL&gt;, Type</td> <td>± 1%.</td>	UL>, Type	± 1%.

Comment ID 114 Pa

Change the first contained of the fourth nergerouth of 104 E 7.4 as shown.	zimmerman_3dg_01_062525.pdf for clear text reflecting suggested remedy			
Change the first sentence of the fourth paragraph of 104.5.7.4 as shown: When measuring the ripple voltages for a Type A or,  Type	C/ 104 SC 104.6.2 P37 L5			
C, or Type G PD as specified by Table 104–11 item (3b), the voltage observed at the MD/DL with the differential probe where $f1 = 21.8$ kJ/z + 1% observed processed	Zimmerman, George APL Group, ADI, Cisco, Marvell, Ons			
at the MDI/PI with the differential probe where $f1 = 31.8 \text{ kHz} \pm 1\%$ shall be post-processed with transfer function H 2(f) specified in Equation (104–3) where f 2 = 1 MHz ± 1%.	Comment Type E Comment Status D			
	Fault tolerance requirement requires consideration and is unclear at this tir			
(editor to note f_1, f_2, H_2, V_PD, P_PD the "_" indicates the subscripting, and +/- symbols may be corrupted by the comment tool) check text of 104 for accuracy as the only	SuggestedRemedy Add 104.6.2 Fault tolerance to the draft with Editor's note (to be removed pr Working Group Ballot): Fault tolerance requirement for 100BASE-T1L needs to be proposed, 10BA from other BASE-T1 PHYs.			
intent is to add Type G) 104.7 Serial communication classification protocol (SCCP)				
104.7.2 Serial communication classification protocols				
104.7.2.4 Read_Scratchpad function command [0xAA] (Add Table 104-13 - CLASS TYPE INFO register table to the draft, with editing instruction)	Proposed Response Response Status W			
Change first row of Table 104-13 as shown (unchanged rows not shown):	PROPOSED ACCEPT IN PRINCIPLE. TFTD. Should discuss whether there is consensus to follow 10BASE-T1L proposal. Better to avoid adding an editorial note if we have consensus.			
Bits Name Description R/W b[15:12] Type 15 14 13 12 RO				
1 1 1 0 = Type A	proposal. Deller to avoid adding an editorial note if we have consensus.			
1 1 0 1 = Type B	C/ 190 SC 190.6 P103 L44			
1 0 1 1 = Type C 0 1 1 1 = Type D	Zimmerman, George APL Group, ADI, Cisco, Marvell, Ons			
1 1 0 0 = Type E	Comment Type T Comment Status D			
0 0 1 1 = Type F 0 0 1 0 = Type G	Text needed for 190.6. Text from clause 146 and 802.3da D2p3 can be ad			
	SuggestedRemedy			
104.9 Protocol implementation conformance statement (PICS) proforma for Clause 104, Power over Data Lines (PoDL) of Single-Pair Ethernet 104.9.3 Major capabilities/options	Add the following text to 190.6, at P103 L45: 100BASE-T1L uses the management interface as specified in Clause 45. T MDIO register interface and registers are optional. When the MDIO interface is not implen provision of an equivalent mechanism for the functions specified in connection to the regist required.			
Change table to add rows for Type G PSE and Type G PD functionality, after rows for Type F PSE and PD functionality, respectively (unchanged rows not shown) as shown:				
Item   Feature   Subclause   Value/Comment   Status   Support *PSETG   Implements PSE Type G functionality   104.1.3   Provides support for				
requirements of Type G Power Sourcing Equipment   O   Yes[] No[]	Proposed Response Response Status W			
*PDTG   Implements PD Type G functionality   104.1.3   Provides support for requirements of Type G Powered Device Equipment   O   Yes[] No[]	PROPOSED ACCEPT.			
104.9.4.3 Powered Device (PD) Insert new PICS row PD20a after PD20 (Type A or Type C PD ripple and transients) as shown (unchanged rows not shown):				

shown (unchanged rows not shown): Item | Feature | Subclause | Value/Comment | Status | Support PD20a | Type G PD ripple and transients | 104.1.3 | In accordance with specifications shown in Table 104–11 for all operating voltages in the range of V PD sourced through a dc bias coupling network with MDI return loss as specified by Clause 190, and over the range of P\_PD Power Sourcing Equipment | PDTG:M | Yes[] N/A[]

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE. Adopt proposal, with editorial license. See

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

Comment ID 116

zimmerman 3da 01 062525 pdf for clear text reflecting suggested remedy.

t Status <b>D</b> s consideration draft with Editor BASE-T1L nee Status <b>W</b> LE. re is consensus editorial note i	and is unclear at 's note (to be rem ds to be proposed	oved prior to initial d, 10BASE-T1L differed E-T1L or an alternative
t Status <b>D</b> s consideration draft with Editor BASE-T1L nee Status <b>W</b> LE. re is consensus editorial note i	and is unclear at 's note (to be rem ds to be proposed s to follow 10BAS	Powe this time. loved prior to initial d, 10BASE-T1L differed E-T1L or an alternative
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P 103	L <b>44</b>	# 116
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lause 146 and	802.3da D2p3 car	n be adapted.
When the MDI	IO interface is not	implemented,
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C/ 190	SC 190.6.2	P104	L <b>14</b>	# 117	C/ 190	SC 190.7.1.4	P107	L22	# 119
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Comment 7	Туре Т	Comment Status D		New Content	Comment T	vpe T	Comment Status D		Link Segment
Text ne	eeded for LEADE	R-FOLLOW configuration. 1	ext from clause	146 can be adapted.			link segments is unspecified	d. There is consi	derable interest in
Suggested	Remedy				deployir	ng 100BASE-T1	L on category 6 cabling.		
Add the	e following text to	0 190.6.2, replacing the editor	r's note:		SuggestedF	Remedy			
the tim	ning control of eac ER and one PHY	assignment for each link con ch PHY. In 100BASE-T1L, or should be configured as FOI ed to be LEADER or both to	e PHY should to LOWER to ope	e configured as rate. In the case where	The TC Categor	L requirement for y 6 cabling com	equation, and figure below Fi or unshielded link segments iponents. Each 100BASE-T using Equation (190-4) at all	is specified to ali 1L unshielded lir	ign with the use of nk segment shall meet
		'ER configuration between th 1 in 98.2.1.2.5 and Table 98–		lished using the			= 50-15log10(f) dB	<= f <= 60	
Proposed F	Response OSED ACCEPT.	Response Status W			Equatio	n (190-4) is plot	ted in Figure 190-26, which i	is provided for in	formation only.
					(include	plot as Figure	190-26 100BASE-T1L unshie	elded link segme	ent TCL)
C/ <b>190</b>	SC 190.7.1.4	P107	L 20	# 118	Proposed R	esponse	Response Status W		
Zimmerman, George APL Group, ADI, Cisco, Marvell, Onsemi, Sony				PROPOSED ACCEPT IN PRINCIPLE.					
Comment 7 The TC		<i>Comment Status</i> <b>D</b> igure is only for shielded link	segments.	Editorial	TFTD.				
Suggested	Remedy	90-25 to "100BASE-T1L shie	Ū	nt TCL"					
Proposed F	Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉							

C/ <b>190</b>	SC 190.9	P 109	L <b>48</b>	# 120

Zimmerman, Geor	ge	APL Group, ADI, Cisco,	Marvell, Onsemi, Sony
Comment Type	т	Comment Status D	New Content

Need text for Environmental specifications. Text should be similar to 802.3da and Clause 146

#### SuggestedRemedy

Insert text in 190.9:(P109 L48)

#### 190.9.1 General safety

Equipment subject to this clause shall conform to the general safety requirements in J.2. An example of an application-specific standard potentially applicable to this clause is IEC 61010-1. All equipment subject to this clause may be additionally required to conform to any applicable local, state, or national standards

#### 190.9.2 Network safety

All cabling and equipment subject to this clause is expected to be mechanically and electrically secure in a professional manner. All 100BASE-T1L cabling is expected to be routed according to any applicable local, state, or national standards considering all relevant safety requirements.

#### 190.9.2.1 Environmental safety

This subclause sets forth a number of recommendations and guidelines related to safety concerns; this list is neither complete nor does it address all possible safety issues. The designer is urged to consult the relevant local, national, and international safety regulations to ensure compliance with the appropriate requirements. Systems described in this subclause are subject to various environmental hazards during their installation and use. In particular, equipment used in automotive and industrial environments can expect to meet the

potential environmental stresses with respect to their mounting location defined for the application. Stresses expected in these environments may include but are not limited to those found in the listed specifications.

The following specifications define potential environmental stresses in an industrial environment:

- Environmental loads: IEC 60529 and ISO 4892

- Mechanical loads: IEC 60068-2-6 and IEC 60068-2-31

-- Climatic loads: IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-38, IEC 60068-2-52, and IEC 60068-2-78

Additional environment(s) require careful analysis prior to implementation to determine appropriate environmental safety requirements.

#### 190.9.2.2 Electromagnetic compatibility

A system integrating the 100BASE-T1L PHY is expected to comply with all applicable local and national codes for electromagnetic compatibility.

### 190.9.3 Telephony voltages

The use of building wiring brings with it the possibility of wiring errors that might connect telephony voltages to a DTE. Other than voice signals, the primary voltages that can be encountered are the "battery" and ringing voltages. Although there is no universal standard,

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

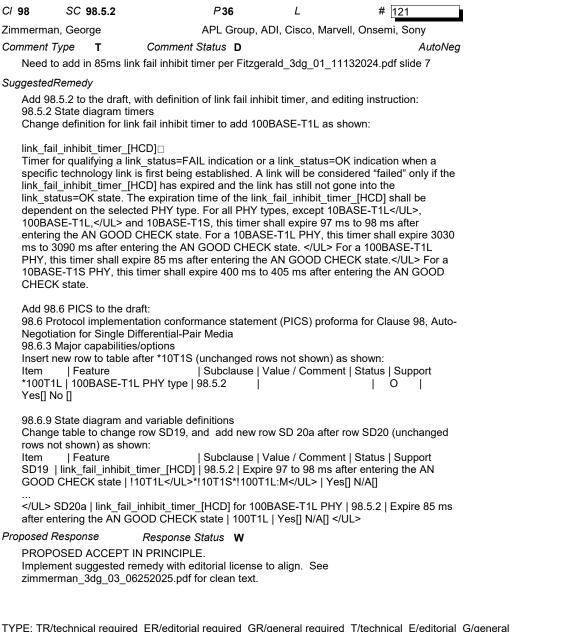
the following maximums generally apply: Battery voltage to a telephone line is generally 56 V dc, applied to the line through a balanced 400  $\Omega$  source impedance. Ringing voltage is a composite signal consisting of an ac component and a dc component. The ac component is up to 175 Vp at 20 Hz to 60 Hz with a 100  $\Omega$  source resistance. The dc component is 56 V dc with 300  $\Omega$  to 600  $\Omega$  source resistance. Large reactive transients can occur at the start and end of each ring interval. Care should be taken to avoid such connections as they can damage equipment.

#### Proposed Response Response Status W

#### PROPOSED ACCEPT IN PRINCIPLE.

Suggested remedy with editorial license. See zimmerman\_3dg\_02\_06252026.pdf for clean text.

Comment ID 120



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

Comment ID 121