C/ 00	SC O	1	P31	L 5	# 64	C/ 00	SC	0	P 54	L 49,50	# 49	
Curran, P	hilip		ADI			Curran, Pl	hilip		ADI			
Comment	Туре	т	Comment Status D		Registers	Comment	Туре	т	Comment Status D		E	ditoria
0.5 s mana and tl	from setti gement ir ne Clause	ing of bit 3 nterface" i e title is "N	trol and management interf. 2295.15" should be chang s used in many places in th lanagement Data Input/Our le paragraph.	ed to 10 ms. The is clause, althou	e "contorl ['] and igh it is not defined,	10 ms	s from s 3.75a.1, raph.	etting of k where th	ntrol and management interfa it 3.2295.15" should be remo e defined time is 0.5 s, which	ved. That is alrea	ady defined in Cla	ause
Suggeste	dRemedy	/				00			n to avoid inconsistencies with	the definition in	45 2 3 75a 1	
within Alterr	10 ms fro natively co	om setting	control and management in of bit 3.2295.15". ase it to "The reset process or "The MDIO interface sha	should complet	e within 10 ms from	Proposed	Respor	01	Response Status W		10.2.0.7 00.1	
		bit 3.2295				C/ 00	SC	0	P 55	L 6	# 50	
Proposed	Respons	se	Response Status W			Curran, Pl	hilip		ADI			
Chan	ge text to	"The MD	N PRINCIPLE. O interface or its equivalen ation within 10 ms from sett				ence to	•	Comment Status D 0-11 is incorrect. I believe it s	hould be Figure	190-12	E
CI 00	SC 0)	P 49	L 38	# 47	Suggested Chang		-	re 190-12", also make it an a	ctive cross refere	ence.	
Curran, P	hilip		ADI			Proposed	Respon	se	Response Status W			
Comment	21	E	Comment Status D		EZ	PROP	POSED	ACCEPT				
		0	o the old rem_rcvr_status p	parameter name			00	•	0.55	1.00	# [54	
	dRemedy		_			C/ 00	SC	U	P 55	L 29	# 51	
	0		rem_flr_rcvr_status parame	eter"		Curran, Pl	•	Е	ADI Comment Status D			E
•	Respons POSED A		Response Status W				51	190.5.3.6	, although not already specific	ed, looks incorre	ct. It will likely be	
CI 00	SC 0		P 54	L 30	# 48	Suggested	dRemed	ly .				
Curran, P	hilip		ADI					-	cified in 190.5.4.x"			
Comment	Type	Е	Comment Status D		EZ	Proposed	Respon	se	Response Status 🛛 🛛 🛛 🛛 🛛 🖉			
rem_	rcvr_statu	us has bee	n renamed rem_flr_rcvr_st	atus, eee_low_s	nr is missing	PROP	POSED	ACCEPT				
Suggeste	dRemedy	/										
	me rem_r /e and tra		s to rem_flr_rcvr_status, ad	d eee_low_snr(arrows going to both							
	Deenene	20	Deserves Oferica M									
Proposed	Respons		Response Status 🛛 🛛 🛛 🛛 🛛 🖉									

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

CI 00 SC 0

C/ 00	SC O	P 58	L 36	# 52		CI 00	SC O
Curran, Pl	hilip	ADI				Curran, F	hilip
Comment	Туре Е	Comment Status D			EZ	Comment	Туре Е
Table	190-1 header sho	ows tx_enable and tx_error w	hich are not defi	ned.		Refer	ence to 190.3
Suggested	dRemedy					Suggeste	dRemedy
		nd "tx_error" column headers	in Table 190-1	to "TX_EN" and		Chan	ge text to "as
_	R" respectively.	_				Proposed	Response
,	Response	Response Status W				PRO	POSED ACCE
PROP	POSED ACCEPT.					C/ 00	SC 0
C/ 00	SC O	P 60	L 20	# 53		Curran, F	
Curran, Pl	hilip	ADI				Comment	•
Comment	Туре Е	Comment Status D			Editorial		CRC16 polyno
						1110	on to ro polyn
TS is '	'—', and should b	e 1.				Suggeste	dDamadu
TS is ' Suggested		e 1.				00	dRemedy =: Scripts may
Suggested Chang	d <i>Remedy</i> ge the value of TS	6 from — to 1. Alternatively T				NOTE	dRemedy E: Scripts may omial (x + 1)(›
Suggested Chang !(!(Pre	d <i>Remedy</i> ge the value of TS evious transfer = I	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even			UE))	NOTE polyn	E: Scripts may
Suggested Chang !(!(Pre and re	dRemedy ge the value of TS evious transfer = I emoved from the t	6 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able			UE))	NOTE polyn Proposed	E: Scripts may omial (x + 1)(
Suggested Chang !(!(Pre and re Proposed	dRemedy ge the value of TS evious transfer = I emoved from the t Response	6 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able Response Status W			UE))	NOTE polyn Proposed PROI	E: Scripts may omial (x + 1)(x <i>Response</i> POSED ACCE
Suggested Chang !(!(Pre and re Proposed PROP	dRemedy ge the value of TS evious transfer = I emoved from the t Response POSED ACCEPT.	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W	n transfer = DAT	`)*(dly_enc = TR	UE))	NOTE polyn Proposed PROI	E: Scripts may omial (x + 1)(x <i>Response</i> POSED ACCE
Suggested Chang !(!(Pre and re Proposed PROP	dRemedy ge the value of TS evious transfer = I emoved from the t Response	6 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able Response Status W			UE))	NOTE polyn Proposed PROI C/ 00 Curran, F	E: Scripts may omial (x + 1)(x <i>Response</i> POSED ACCE SC 0 Philip
Suggested Chang !(!(Pre and re Proposed PROP C/ 00	dRemedy ge the value of TS evious transfer = I emoved from the t Response POSED ACCEPT. SC 0	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W	n transfer = DAT	`)*(dly_enc = TR	UE))	NOTE polyn Proposed PROI C/ 00 Curran, F Comment	E: Scripts may omial (x + 1)() <i>Response</i> POSED ACCE SC 0 Philip : <i>Type</i> E
Suggested Chang !(!(Pre and re Proposed PROP Cl 00 Curran, Pl Comment	dRemedy ge the value of TS evious transfer = I emoved from the t Response POSED ACCEPT. SC 0 hillip Type E	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W <i>P</i> 71 ADI <i>Comment Status</i> D	n transfer = DAT	`)*(dly_enc = TR	UE)) 	NOTE polyn Proposed PROI C/ 00 Curran, F Comment I thinl	E: Scripts may omial (x + 1)(x <i>Response</i> POSED ACCE SC 0 Philip
Suggested Chang !(!(Pre and re Proposed PROP Cl 00 Curran, Pl Comment	dRemedy ge the value of TS evious transfer = I emoved from the t Response POSED ACCEPT. SC 0 hillip Type E	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W <i>P</i> 71 ADI	n transfer = DAT	`)*(dly_enc = TR		NOTE polyn Proposed PROI C/ 00 Curran, F Comment I thinl show	E: Scripts may omial (x + 1)(x <i>Response</i> POSED ACCE SC 0 Philip t <i>Type</i> E < the sentence
Suggested Chang !(!(Pre and re Proposed PROP Cl 00 Curran, Pl Comment	dRemedy ge the value of TS evious transfer = I emoved from the t Response POSED ACCEPT. SC 0 hillip Type E ence to Table 190	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W <i>P</i> 71 ADI <i>Comment Status</i> D	n transfer = DAT	`)*(dly_enc = TR		NOTE polyn Proposed PROI C/ 00 Curran, F Comment I thini show Suggeste	E: Scripts may omial (x + 1)() <i>Response</i> POSED ACCE SC 0 Philip <i>Type</i> E < the sentence n in figure 190
Suggested Chang !(!(Pre and re Proposed PROP Cl 00 Curran, Pl Comment Refere Suggested	dRemedy ge the value of TS evious transfer = I emoved from the t Response POSED ACCEPT. SC 0 hillip Type E ence to Table 190	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W <i>P</i> 71 ADI <i>Comment Status</i> D 0-10 is incorrect, it should be	n transfer = DAT	`)*(dly_enc = TR		NOTE polyn Proposed PROI CI 00 Curran, F Comment I thinl show Suggeste Chan	E: Scripts may omial (x + 1)() <i>Response</i> POSED ACCE SC 0 Philip <i>SC</i> 7 Philip <i>SC</i> 7 Chilip <i>SC</i> 0 Chilip <i>SC</i> 0 Chilip
Suggested Chang !(!(Pre and re Proposed PROP C/ 00 Curran, Pl Comment Refere Suggested Chang	dRemedy ge the value of TS evious transfer = I emoved from the f Response POSED ACCEPT. SC 0 hillip Type E ence to Table 190 dRemedy	5 from — to 1. Alternatively T)*(Odd transfer = DAT)*(Even able <i>Response Status</i> W <i>P</i> 71 ADI <i>Comment Status</i> D 0-10 is incorrect, it should be	n transfer = DAT	`)*(dly_enc = TR		NOTE polyn Proposed PROI C/ 00 Curran, F Comment I thinl show Suggeste Chan Proposed	E: Scripts may omial (x + 1)(x <i>Response</i> POSED ACCE SC 0 Philip trype E the sentence n in figure 190 dRemedy ge the text to

C/ 00	SC O	P 72	L 4	# 55	
Curran, F	Philip	ADI			
Commen Refe	51	Comment Status D is incorrect, it should be 19	0.3.6		EZ
00	edRemedy lige text to "as de	cribed in 190.3.6"			
,	l Response POSED ACCEP	Response Status W			
CI 00	SC O	P77	L 40	# 56	
Curran, F	Philip	ADI			
Commen "The	51	Comment Status D ial (x + 1)(x15 + x + 1) " she	ould use superscrip	ts for the exponent	<i>EZ</i> s
NOT	ed <i>Remedy</i> E: Scripts may no nomial (x + 1)(x15	ot show up correctly in Exc 5 + x + 1)"	el online. Change th	e text to "The CRC	216
•	l Response POSED ACCEP	Response Status W T.			
CI 00	SC 0	P81	L 48	# 57	
Curran, F	Philip	ADI			
	k the sentence ".	Comment Status D setting all of the bits of ea to zero" would be clearer v			EZ
00	edRemedy age the text to "	, which is shown in Figure	190-5, to zero"		
	l Response POSED ACCEP	Response Status W T			

CEPT.

C/ 00 SC 0

C/ 00 S	SC 0	P82	L 46, 49	# 58		C/ 00 SC 0	P 92	L16 (17?	# 61
Curran, Philip		ADI				Curran, Philip	ADI		
Comment Type	e T	Comment Status D			EZ	Comment Type E	Comment Status D		
as "The se	et of character	e set of characters that may rs that may occur within a pa s, and /Sp/, /Su/ and /Tu/ car	cket". Strictly that	is not correct. /T		The reference to Figur SuggestedRemedy			
SuggestedRen	nedy					Change text to "Figure	e 190-17"		
	1 0	82 "The set of characters th ove text "The set of characte	,			Proposed Response PROPOSED ACCEPT	Response Status W		
	<i>ponse</i> ED ACCEPT.	Response Status W				C/ 00 SC 0	P93	L1	# 62
FROFUSI	LD ACCEPT.					Curran, Philip	ADI		
C/00 S	SC 0	P83	L 41	# 59		Comment Type E	Comment Status D		
Curran, Philip		ADI				rem_rcvr_status has b	een renamed rem_flr_rcvr_sta	atus, eee_low_snr	is missing
Comment Type tx_mii<2N		Comment Status D ould be tx_mii<0:(2N - 1)><0	:5>		EZ	SuggestedRemedy Rename rem_rcvr_sta	itus to rem_flr_rcvr_status, add	d eee_low_snr in F	igure 190-17
SuggestedRen	,		5>"			Proposed Response PROPOSED ACCEP1	Response Status W		
onunge in		me to "tx_mii<0:(2N - 1)><0:	•				•		
Proposed Res		me to "tx_mii<0:(2N - 1)><0: Response Status W	-			C/ 00 SC 0	P95	L 52	# 63
Proposed Res PROPOSE	ponse ED ACCEPT.	Response Status W				Curran, Philip	2 95 ADI	L 52	# 63
Proposed Res PROPOSE	ponse	Response Status W	L 8	# 60		Curran, Philip Comment Type E	P 95 ADI Comment Status D	-	# 63
Proposed Res PROPOSE C/ 00 S Curran, Philip	ponse ED ACCEPT. SC 0	P85 ADI		# 60		Curran, Philip Comment Type E	2 95 ADI	-	# 63
Proposed Res PROPOSE Cl 00 S Curran, Philip Comment Type	ponse ED ACCEPT. SC 0 e E	Response Status W		# 60	EZ	Curran, Philip Comment Type E	P95 ADI Comment Status D been renamed rem_flr_rcvr_sta	-	# 63
Proposed Res PROPOSE C/ 00 S Curran, Philip Comment Type	ponse ED ACCEPT. SC 0 e E ince to 190.3.	P85 ADI Comment Status D		# 60	EZ	Curran, Philip Comment Type E rem_rcvr_status has b SuggestedRemedy Change text to "When	P95 ADI Comment Status D been renamed rem_flr_rcvr_sta	atus	
Proposed Resp PROPOSE C/ 00 S Curran, Philip Comment Type The refere Suggested Rem	ponse ED ACCEPT. SC 0 e E Ince to 190.3. nedy	P85 ADI Comment Status D		# 60	EZ	Curran, Philip Comment Type E rem_rcvr_status has b SuggestedRemedy Change text to "When	P95 ADI Comment Status D been renamed rem_flr_rcvr_sta the Leader	atus	

CI 00 SC 0 ΕZ

ΕZ

ΕZ

1 00 SC 0	P 96	L9	# 46	C/ 00	SC O	P100	L1	# 42
Curran, Philip	ADI			Curran, Ph	ilip	ADI		
mment Type	T Comment Status D		PHY Control	Comment	Туре Е	Comment Status D		Editorial
moving to the L	e previous 2 comments, it seems th INK_FAIL state immediately causes	s AN to restart. In	fact there is no way for			ams are currently in 190.4.9.3 rchy does not seem to make s		lause of "190.4.9 State
	AN to restart while the link is comi timer to expire.	ng up. The PHY r	nust just wait for the	Suggested	Remedy			
				Modify	PMA state dia	gram hierarchy to match that	of the PCS as fo	llows:
	ld change the text " PHY Control r arts" to make this clear.	returns to the LIN	K_FAIL state and Auto-			tions and state diagrams ams parameters		
ggestedRemedy					9.1.1 Variables			
Change to follo	wing:				9.1.2 Timers			
" PHY Contro	ol returns to the LINK_FAIL state an	d waits for the lin	k fail inhibit timer to		9.2 State diagr			
	p-Negotation to restart."			Proposed I		Response Status W		
oposed Respons	e Response Status W					T IN PRINCIPLE. separate out parameters of ind	dividual state dia	grams for clarity
	CCEPT IN PRINCIPLE. resolution of comments 44 & 45.			C/ 00	SC 0	P101	L17	# 43
00 SC 0	P99	L15	# 41	Curran, Ph	ilip	ADI		
		L 15	# 41	Comment	Туре Е	Comment Status D		EZ
rran, Philip	ADI		EEE	Туро а	t "FLASE" in S	END_IDLE_NOT_READY sta	ate actions.	
	E Comment Status D refresh detect is not defined.			Suggested	Remedy			
				Chang	e to "FALSE".			
ggestedRemedy				Proposed I	Response	Response Status W		
Add the following	ig alter line 15.			PROP	, OSED ACCEP	,		
"The following	variable is required when EEE is en	abled for the link:		0/ 00	00.0	Diai	1.00	#
lpi refresh det	ect			C/ 00	SC O	P101	L 20	# 44
Set TRUE whe	n the receiver has reliably detected	refresh signaling.	It is set FALSE	Curran, Ph	•	ADI		
otherwise."				Comment		Comment Status D		PHY Control
oposed Respons PROPOSED A	,			the sta	te where the tr	END_IDLE_NOT_READY to l ansmit signal switches from F t period after the transition wh	AM2 to PAM3. It	
				SEND	IDLE_NOT_F	antage in moving to LINK_FAI EADY. In either case the PH ^V to expire in the event that sor	/ will end up wait	ing for the
				Suggested	Remedy			
				88	2	m SEND_IDLE_NOT_READ	to LINK_FAIL.	
				Proposed I	Response	Response Status W		
					OSED ACCEP			
DE: TD/toobnico	I required ER/editorial required GR	deneral required	T/technical E/editorial G/	general		C/ 0	0	Page 4 of 24
		agonorar requileu	LICONNOA LICULONDI G/	gonora			~	1 495 4 01 24

SORT ORDER: Clause, Subclause, page, line

C/ 00	SC O	P101	L 26	# 45
Curran, F	hilip	ADI		
Comment	t Туре Т	Comment Status D		PHY Control
where be a	e the receive sig short period afte	AM3_TUNING to LINK_FAIL lo nal switches from PAM2 to PA r the transition where SNR dro is to allow for this possibility.	M3. It is conveiva	ble that there could
In eith	her case the PH	ntage in moving to LINK_FAIL Y will end up waiting for the lin has gone wrong.		
	<i>dRemedy</i> ove transition fro	m PAM3_TUNING to LINK_FA	NL.	
•	l Response POSED ACCEP	Response Status W		
CI 00	SC O	P 57/58	L 47/9,10	# 65
Curran, F	hilip	ADI		
Comment	tType E	Comment Status D		Editoria
be mi MSB Since	isleading since t (TXD<3>) as the	lues shown as binary, the lefm he TXD<3:0> values shown su e leftmost bit, while accoring to t, binary values are not used in	bsequently in othe clause 22, TXD<	er subclauses with the 0> is transmitted first.
Suggeste	dRemedy			
trans	mitted bit". Also	ge 57: "For values shown as b remove the last sentence in pa ansmitted bit (the LSB) on the l	age 58 lines 9-10 '	
Proposed	l Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
Remo		T IN PRINCIPLE. ge 57: "For values shown as bi	inary, the lefmost	bit is the first
Cons	ider whether na	agraph on page 58 lines 5 thro	uch 11 is needed	- this notation

Consider whether paragraph on page 58 lines 5 through 11 is needed - this notation appears unused in our clause

C/ 1	SC 1.4	P20)	L35	# 67	
Graber, S	Steffen	Peppe	erl+Fu	ichs SE		
Commen	t Type E	Comment Status	D			ΕZ
"a oc	tet" should read as	s "an octet".				
00	edRemedy er comment.					
	l Response POSED ACCEPT.	Response Status	w			
CI 22	SC 22.2.2.4	P2:	2	L31	# 107	
Zimmerm	nan, George	APL 0	Group	, ADI, Cisco, Marvel	l, Onsemi, Sony	
Commen	t Туре Е	Comment Status	D		Link F	ault
order Suggeste		ets. The use in clau believe a signaling s 222 L31			·	
•	l Response POSED ACCEPT.	Response Status	w			
CI 22	SC 22.2.2.4	P2:	3	L1	# 33	
Curran, F	Philip	ADI				
Commen	t Type E	Comment Status	D		Edite	orial
		te states it is a place d a link-fault signaling				
Suggeste	dRemedy					
Remo	ove					
	Response	Response Status	w	4 4 J		

TFTD. Specifically need to determine whether a state diagram is needed for technical completeness. If not, consider text explaining why not.

CI **22** SC **22.2.2.4** Page 5 of 24 6/20/2025 9:27:15 AM

C/ 30	SC 30	P 30	L 2	# 108	C/ 45	SC 45.2.1.1	6.1aa	P 26	L37	# 68	
Zimmern	nan, George	APL Group,	ADI, Cisco, Ma	rvell, Onsemi, Sony	Graber, S	Steffen		Pepperl+Fuc	hs SE		
Commen	t Туре Т	Comment Status D		Management	Comment	t Type E	Comme	ent Status D			EZ
Cont	ent is needed for	clause 30. Speciifically add	100BASE-T1L	to: 30.3.2.1.2 aPhyType,	Bit 1.	.18.8 has been c	hanged to bi	it 1.18.9 (as 802.3	8da has already re	eserved bit 1.18.8)).
		.ist, 30.5.1.1.2 aMAUType, d NegLocalTechnologyAbility	escription in 30.	5.1.1.4 aMediaAvailable	Suggeste	edRemedy					
Suggeste	dRemedy							adline and followin eflect changed by		total 3 replacemen oject.	nts).
	the following to th 2.1.2 aPHYType				Proposed	l Response	Respon	se Status 🛛 🛛 🛛 🛛 🛛 🖉			
Inser	t the following ne	w entries in the APPROPRIA	ATE SYNTAX se	ection of 30.3.2.1.2 after	PRO	POSED ACCEP	т.				
	ntry for 100BASE ASE-T1L Clau	E-T1: ise 190 100 Mb/s PAM3			C/ 45	SC 45.2.1.2	36a.1	P 27	L 40	# 1	
20.2	2.1.3 aPhyTypeL	iet			Curran, F	Philip		ADI			
		ew entries in the APPROPRIA	ATE SYNTAX se	ection of 30.3.2.1.3 after	Commen	t Туре Т	Comme	ent Status D		Re	egisters
100B		ise 190 100 Mb/s PAM3								econds to recover a 36a.1 does not inc	
	1.1.2 aMAUType	w entries in the APPROPRIA	ATE SYNTAX SE	ection of 30.4.1.1.2 after	Suggeste	edRemedy					
the e	ntry for 100BASE	E-T1:			Add f	following to note	in 45.2.1.23	6a.1:			
100B	ASE-T1L Sing	e balanced pair PHY as spe	cified in Clause	190	"The	data noth of the		1 DMA depend	na on imploment	ation may take m	
30.5.	1.1.4 aMediaAva	ilable						atio after exiting f		ation, may take ma	any
		ntence of the third paragraph	of the BEHAVIC	OUR DEFINED AS				-			
	on of 30.5.1.1.4 a	as shown: .>, 100BASE-T1L, and	100BASE-T1 :	a link status of OK mans	Chan	ige note in 45.2.	1.236a.3 to	end in the following	ng:		
to the	e enumeration "a	vailable".			" af	fter exiting from I	ow-power m	ode."			
(whe	re indicate	s where underline begins an	d ends)		Proposed	l Response	Respon	se Status 🛛 🛛 🛛 🛛 🛛 🖉			
		ocalTechnologyAbility			PRO	POSED ACCEP	Т.				
	t the following ne for "10BASE-TF	w entries in APPROPRIATE	SYNTAX section	on of 30.6.1.1.5 after the	C/ 45	SC 45.2.1.2	36h	P28	L39	# 69	
		BASE-T1L as specified in Cla	use 190		Graber, S			Pepperl+Fuc		" 09	
	l Response	Response Status W			Comment		Comme	ent Status D			EZ
•	POSED ACCEP	•				= Latching high					LZ
						ed <i>Remedy</i> ove ", LH = Latcl	ning high".				
					Branasaa	l Response	Deenen	se Status 🛛 🛛 🛛 🖤			

C/ 45 SC 45.2.1.236b

645.2.1.236b.1	P28	L 44	# 2		C/ 45	SC .	45.2.3	P30	L19	# 71	
	ADI				Graber, S	teffen		Pepperl+F	uchs SE		
		ased".		EZ	"100B	ASE-T1					
					trainin	g" resis	ter.	ther advertisement" regis	ster is now "100BA	SE-11L link partner	
onse Respon	se Status W				Chang	ge from	"100BASE			0 0	
6 45.2.1.236b.1	P 44 Pepperl+Eucl	L 44	# 70		-1	1		Response Status W			
F Comm		13 OL		F7	C/ 45	SC /	45.2.3.75b	P31	L33	# 72	
	'a" is too much.				Graber, S	teffen		Pepperl+F	uchs SE		
	d".						E ity" bit sho	Comment Status D			E
1	se Status W				00		5	" and remove "LH = Late	hing high, " from t	ext line below table.	
¢ 45.2.1.236b.3	Р 29 ADI	L 3	# 3		,	,		Response Status W			
E Comme		4kk ;	t is read as zero f	<i>EZ</i>							
	additional "a" in " si edy e additional "a". onse Respon O ACCEPT. 2 45.2.1.236b.1 E Comme a an increased" the " edy "supports an increase onse Respon O ACCEPT. 2 45.2.1.236b.3	ADI E Comment Status D additional "a" in " supports a an increased edy additional "a". onse Response Status W D ACCEPT. C 45.2.1.236b.1 P44 PepperI+Fuch E Comment Status D a an increased" the "a" is too much. edy "supports an increased". onse Response Status W D ACCEPT. C 45.2.1.236b.3 P29 ADI	ADI E Comment Status D additional "a" in " supports a an increased". edy additional "a". onse Response Status W D ACCEPT. 2 45.2.1.236b.1 P44 L44 PepperI+Fuchs SE E Comment Status D a an increased" the "a" is too much. edy "supports an increased". onse Response Status W D ACCEPT. 2 45.2.1.236b.3 P29 L3 ADI	ADI E Comment Status D additional "a" in " supports a an increased". edy additional "a". onse Response Status W D ACCEPT. C 45.2.1.236b.1 P44 L44 # 70 Pepperl+Fuchs SE E Comment Status D a an increased" the "a" is too much. edy "supports an increased". onse Response Status W D ACCEPT. C 45.2.1.236b.3 P29 L3 # 3 ADI	ADI E Comment Status D EZ additional "a" in " supports a an increased". EZ additional "a" in " supports a an increased". EZ additional "a". DACCEPT. C 45.2.1.236b.1 P44 L44 # $\overline{70}$ Pepperl+Fuchs SE E Comment Status D EZ a an increased" the "a" is too much. EZ a an increased" the "a" is too much. EZ ADI C 45.2.1.236b.3 P29 L3 # $\overline{3}$ ADI	ADI Graber, S E Comment Status D EZ Comment additional "a" in " supports a an increased". "100B "100B edy "100B "100B "100B additional "a". Suggestee Chang conse Response Status W Chang c) ACCEPT. Pepperl+Fuchs SE Proposed Pepperl+Fuchs SE E C/ 445 a an increased" the "a" is too much. Graber, S edy Suggestee C/ 45 'supports an increased". "RS-F conse Response Status W conse ADI L3 # 3	ADI Graber, Steffen E Comment Status D EZ additional "a" in " supports a an increased". "100BASE-T1" additional "a". SuggestedRemed Change from "100BASE-T1" onse Response Status W Proposed Response ACCEPT. Pepperl+Fuchs SE E Comment Status D EZ E Comment Status D EZ C/ 455 SC a an increased" the "a" is too much. EZ C/ 455 SC onse Response Status W EZ C/ 455 SC onse Response Status W EZ C/ 455 SC a an increased". D EZ C/ 455 SC onse Response Status W SuggestedRemed Graber, Steffen Comment Type "supports an increased". W Z Proposed Respon Change "RO/ Proposed Respon Proposed Respon PROPOSED ADI ADI B SuggestedRemed Change "RO/ Proposed Respon PROPOSED	ADI Graber, Steffen additional "a" in " supports a an increased". Graber, Steffen edy additional "a". onse Response Status O ACCEPT. P44 2 45.2.1.236b.1 P44 Pepperl+Fuchs SE E E Comment Status D EZ ADI Change from "100BASE-T1L Link partraining" resister. SuggestedRemedy Change from "100BASE-T1L Link partraining" resister. SuggestedRemedy Change from "100BASE-T1L Link partraining" resister. Pepperl+Fuchs SE EZ E Comment Status D EZ a an increased" the "a" is too much. edy Supports an increased". Supports an increased". SuggestedRemedy Change "RO/LH" to "RO Proposed Response Yesponse Status W O ACCEPT. Status Yo Pat ADI ADI	ADI Graber, Steffen Pepperl+F E Comment Status D EZ additional "a" in " supports a an increased". "100BASE-T1L Advertisement" register is now n. additional "a". "100BASE-T1L Advertisement" register is now n. additional "a". "100BASE-T1L Advertisement" register is now n. onse Response Status W O ACCEPT. Pepperl+Fuchs SE E Comment Status D Pepperl+Fuchs SE EZ edy "supports an increased". "supports an increased". EZ obsceree. Page L3 ADI Page L3	ADI E Comment Status D EZ additional "a" in " supports a an increased". edditional "a" in " supports an increased". edditional "a" increased". editional "a" increased". editional "a" increased". editional "a" increased". editional "a" increased". editin a increased". editin a incre	ADI Graber, Steffen Pepperl+Fuchs SE edy additional "a". 00BASE-T1L Link partner advertisement" register is now named "100BASE-T1L training" register edy additional "a". 00BASE-T1L Link partner advertisement" register is now "100BASE-T1L training" register passe Response Status W O ACCEPT. Pepperl+Fuchs SE E Comment Status D Pepperl+Fuchs SE E Comment Status E Comment Status D Pepperl+Fuchs SE EZ C/ 45 E Comment Status D response Status W PROPOSED ACCEPT. Visupports an increased". FZ C/ 45 sadi increased". FZ Comment Type Addi P29 L3 # 3 ADI P29 L3 # 3 ADI PROPOSED ACCEPT. Proposed Response Response Status W PROFOSED ACCEPT. C/ 45 SC 45.2.3.75b P31 L33 # 72 Graber, Steffen Pepperl+Fuchs SE Comment Type E Comment Status D <

Swap the first and second sentences in the paragraph.

Proposed Response Response Status W

PROPOSED ACCEPT.

C/ 45 SC 45.2.3.75b

C/ 45	SC 45.2.3.75c	P32	L 9	# 4	C/ 45	SC	45.2.3.75d		P32	L 40	# 6	
Curran, Philip	р	ADI			Curran, P	hilip		ŀ	ADI			
Comment Ty	rpe E	Comment Status D		Registers	Comment	Туре	Е	Comment St	atus D			ΕZ
The follow	wing sentence	does not make sense here:			The fo	ollowing	g sentence i	s missing a spa	ace at "traini	ingregister:		
that the in without m	initial state of th nanagement int	ach bit of the 100BASE-T1L e device upon power up or ervention." lues corresponds to a norm	reset is a norma	l operational state	Suggester	dRemeo ge "trair	<i>dy</i> ningregister	ASE-T1L link pa " to "training re <i>Response Sta</i>	gister".	gregister are rea	d only".	
Furtherm		hould specify how to handle	e bits that corres	pond to abilities that are	PROF	POSED	ACCEPT.					
SuggestedRe					C/ 45	SC	45.2.3.75d		P 32	L 41	# 73	l.
	•	vith the following:			Graber, S	teffen		F	Pepperl+Fuc	hs SE		
. topiaco		g.			Comment	Туре	Е	Comment St	atus D			EZ
		supported abilities can be s he desired operational state								read as "100BAS nk partner" is mis	SE-T1L link partne sing.	er
Proposed Re	esponse	Response Status 🛛 🛛 🛛 🖉			Suggestee	dReme	dy					
PROPOS	SED ACCEPT.							link partner tra g "l" in "link par			1L link partner tra	ining
CI 45	SC 45.2.3.75c	P32	L 20	# 5	Proposed			Response Sta				
Curran, Philip	р	ADI			,	,	ACCEPT.					
Comment Ty	rpe E	Comment Status D		EZ								
		and RS-FEC advertisement	nt bits are shown	at bit positions 1 and 0	C/ 45	SC	45.2.3.75d		P33	L8	# 74	
	,	at bit positions 15 and 14.			Graber, S	teffen		F	Pepperl+Fuc	hs SE		
SuggestedRe	-	6 H			Comment		Е	Comment St	atus D			ΕZ
	Гable 45-297с a	s follows:			Bits 0	and 1 a	are also res	erved.				
Update I						-						
•	EE advertiseme	nt from 3.2297.1 to 3.2297.	15		Suggester			. "3 2208 13·0"				
Move EE	S-FEC advertise	nt from 3.2297.1 to 3.2297. ment from 3.2297.0 to	15		00	ge "3.22	298.13:2" to	"3.2298.13:0". Response Sta				
Move EE Move RS	S-FEC advertise 4		15		Chan Proposed	ge "3.22 <i>Respol</i>	298.13:2" to					

C/ 45 SC 45.2.3.75d

C/ 78 SC 78.1.4	P 35	L 6	# 109	CI 78	SC 78.2	P35	L 8	# 111
Zimmerman, George	APL Group, A	ADI, Cisco, Mar	vell, Onsemi, Sony	Zimmern	nan, George	APL Grou	ıp, ADI, Cisco, Ma	rvell, Onsemi, Sony
Comment Type T	Comment Status D		EEE	Commen	t Type E	Comment Status D		EEE
need entries in clau	ise 78 for 100BASE-T1L			need	to add placeho	lder for needed content in T	able 78-4	
SuggestedRemedy				Suggeste	edRemedy			
Insert the following shown) (insert table 78-1 -C row (as below), and PHY or interface ty 100BASE-T1L			ι υ	to the "Inse show add ⁻ the d	e draft, with edit rt the following rn):" Table 78-4 - Sui raft, with heade	new row in Table 78-4 after mmary of LPI timing parame r row, and one row for 100B	eters for supported	PHYs or interfaces to
Proposed Response	Response Status W				,	naining columns blank.		
PROPOSED ACCE	PT.				Response	Response Status W		
C/ 78 SC 78.2	P35	L7	# 110			reviewers should consider v	whether the values	are actually available
Zimmerman, George	APL Group.	ADI. Cisco. Mar	vell, Onsemi, Sony			able rather than add a blank		
Comment Type T	Comment Status D	, - ,	EEE	CI 98	SC 98.2	P36	L 4	# 112
need to add placeh	olders for additional needed par	ameters for EEE	in table 78-2.	Zimmern	nan, George	APL Grou	ıp, ADI, Cisco, Ma	rvell, Onsemi, Sony
SuggestedRemedy				Commen	t Type T	Comment Status D		AutoNeg
	timing parameters description t ill out the headers, min & max v					h mode 100BASE-T1L shall airing with 10BASE-T1L in r		ng LSM to align with
•	new row in Table 78-2, after the	row for 10BASE	E-T1L (unchanged rows	Suggeste	edRemedy			
not shown): PHY or interface tyj 100BASE-T1L	pe T_s T_q T_r 19.2 211.2 19.2			Add	the following to	the draft, after 98.2 (where <	indicates st	art or stop of underline)
(implementation no comment, min & ma	te, not to be included in the draf ax times are equal, so the comn and format the row per IEEE St <i>Response Status</i> W	nent doesn't rep		Char For li 100E Nego	nge the 3rd and nk segments w ASE-T1L otiation is impler	tion requirements 4th sentences of the last pa ith high insertion loss and th , LSM is provided to enable nented, 10BASE-T1L ay optionally support HSM.	ose requiring 10B	ASE-T1L or ability. If Auto-
PROPOSED ACCE	PT IN PRINCIPLE.				l Response	Response Status W		

PROPOSED ACCEPT IN PRINCIPLE. Suggested remedy with editorial license.

PROPOSED ACCEPT.

CI 98 SC 98.2

98 S	SC 98.5.1	P 36	L 5	# 113	CI 98	SC	98.5.2	P 36	L	# 121
Zimmerman, (George	APL Group, A	ADI, Cisco, Mar	vell, Onsemi, Sony	Zimmerm	an, Geo	orge	APL Group,	ADI, Cisco, Ma	rvell, Onsemi, Sony
Comment Typ	be T	Comment Status D		AutoNeg	Comment	Туре	т	Comment Status D		AutoNe
need to ac	dd 100BASE-	T1L low power register bit to	state diagram	definition of "power_on"	Need	to add i	in 85ms l	ink fail inhibit timer per Fitzg	erald_3dg_01_1	1132024.pdf slide 7
		maintenance so we don't hav ltiGBASE-T1 PHYs are miss		the PHYs - but that's	Suggeste	dRemec	dy			
SuggestedRei	•		5					, with definition of link fail inl	nibit timer, and e	editing instruction:
		e draft after 98.2 (and any su	bclauses addeo	l by other comments):			diagram t iition for li	imers ink fail inhibit timer to add 10	0BASE-T1L as	shown:
		and state diagrams				-				
	ate diagram va he variable po	wer_on as shown:					oit_timer_ ulifving a l	[HCD]⊟ ink_status=FAIL indication o	or a link_status=	OK indication when a
power_on	้า	—			speci	fic techr	nology lin	k is first being established. A	link will be con	sidered "failed" only if the
Auto-	that is true ur	ntil such time as the power s	upply for the de	vice that contains the				[HCD] has expired and the li The expiration time of the lin		
Negotiatio	on state diagra	ams has reached the operati	ng region or the	e device has low-power	deper	ndent or	n the sele	cted PHY type. For all PHY	types, except 10)BASE-T1L,
mode set via 10	00BASE-T1 F	PMA control register bit 1.230)4 11 the	100BASE-T1L PMA				and 10BASE-T1S, this timer D CHECK state. For a 10BA		
control reg		00.11, or via 10BASE-			ms to	3090 m	ns after e	ntering the AN GOOD CHEC	CK state.	For a 100BASE-T1L
Values:	device is com	pletely powered (default)						expire 85 ms after entering the spire 85 ms after entering the spire 400 ms is timer shall expire 400 ms is the spire 400 ms i		
		t been completely powered				CK state	,	is unier shall expire 400 ms	to 405 ms alter o	entening the AN GOOD
Proposed Res	sponse	Response Status 🛛 🛛 🛛 🖉			V99 C		S to the	droft		
PROPOS	ED ACCEPT.							entation conformance statem	ent (PICS) profe	orma for Clause 98, Auto
								Differential-Pair Media es/options		
								e after *10T1S (unchanged ro	ows not shown)	as shown:
					Item		ature	Subclause 1L PHY type 98.5.2	Value / Comme	ent Status Support
					Yes[]		UDASE-I	IL PHY type 90.5.2		0
					09.6.0		diagram	and variable definitions		
								ge row SD19, and add new i	ow SD 20a afte	r row SD20 (unchanged
					rows Item		wn) as sh ature		Value / Commo	ent Status Support
								t_timer_[HCD] 98.5.2 Exp		
								10T1L*10T1S*100		
								il_inhibit_timer_[HCD] for 10 GOOD CHECK state 100T1		
					Proposed	Respor	nse	Response Status W		
								IN PRINCIPLE.		
					Imple zimm	ment su erman	iggested 3da 03 (remedy with editorial license 06252025.pdf for clean text.	e to align. See	
					200100	sinun_	9_00_0			

C/ 98 SC 98.5.2 Page 10 of 24 6/20/2025 9:27:16 AM

C/ 104	SC 104	P37	L 4	# 114	Change the fir
Zimmerm	an, George	APL Group,	ADI, Cisco, Mar	vell, Onsemi, Sony	When measur
Comment	Туре Т	Comment Status D		P	ower C, or Ty at the MDI/PI
T1L, a	as the coupling f	ent. Suggest that a new PoD requencies and MDI return lo	ss will likely be	different than for	E- with transfer fu
		SE-T1L. Suggest that ripple E-T1) should be sufficient fo			symbols may
Suggeste	dRemedy				intent is to add
104.1 Insert the sa A Typ	.3 PoDL system the following aft ame paragraph): e G PSE and Ty	rpe G PD are compatible with	econd paragraph	n of 104.1.3 (as part c	f 104.7 Serial c 104.7.2 Serial 104.7.2 Kea (Add Table 10 Change first r Bits Na
	Power Sourcing .1 PSE types	Equipment (PSE)			b[15:12] Typ
Chan For P	ge 104.4.1 as sh oDL systems the	own: ere are multiple types of PSE SO>Type F, and Type			
	.7 PSE output re 7 3 Power feedi	equirements ng ripple and transients			
		nce of the third paragraph of	104.4.7.3 as sh	iown:	
When Cat the transf Chang When	measuring the _>, or Type GMDI/PI with the er function H_2(ge third sentence measuring the	ripple voltages for a Type A< JL> PSE as specified by Tab differential probe where f1 = f) specified in Equation (104- e of the 2nd paragraph of 104 ripple voltage for a Type AJL> PSE as specified by Tab	/SO> or <br le 104–7 item (4 31.8 kHz ± 1% -3) where f_2 = 4.4.7.3 as showr SO> or <td>/UL>, Type lb), the voltage obser is post-processed wit 1 MHz ± 1%. n: JL>, Type</td> <td>h 104.9.3 Major Change table F PSE and PE Item Featu %. *PSETG Imp</td>	/UL>, Type lb), the voltage obser is post-processed wit 1 MHz ± 1%. n: JL>, Type	h 104.9.3 Major Change table F PSE and PE Item Featu %. *PSETG Imp
	Powered Device	e (PD)			requirements
	.1 PD types ge 104.5.1 as sh	own:			*PDTG Impl
	,	ere are six types of PDs—Typ	ре А, Туре В, Ту	/pe C, Type D, Type I	requirements e
<td>and </td> <td>.>, Type F, and 1</td> <td>Гуре G со</td> <td>nsistent with 104.1.3.</td> <td>104.9.4.3 FOW</td>	and	.>, Type F, and 1	Гуре G со	nsistent with 104.1.3.	104.9.4.3 FOW
104.5 Insert The ri voltag	pple and transie les in the range	nd transients w last sentence to the secon nt specifications for a Type G of V_PD sourced through a d lause 190 and over the range	GPD shall be me Ic bias coupling	et for all operating	Insert new PIC shown (uncha Item Featu PD20a Type shown in Tabl dc bias couplin range of P_PE
		ence of the third paragraph o			Proposed Respon
		ripple voltage for a Type A <br JL> PD as specified by Table			PROPOSED A 1%. Adopt proposa

first sentence of the fourth paragraph of 104.5.7.4 as shown: uring the ripple voltages for a Type A</SO> or</SO>, Type ype G PD as specified by Table 104-11 item (3b), the voltage observed I with the differential probe where $f1 = 31.8 \text{ kHz} \pm 1\%$ shall be post-processed function H 2(f) specified in Equation (104–3) where f 2 = 1 MHz $\pm 1\%$.

ef 1, f 2, H 2, V PD, P PD the " " indicates the subscripting, and +/-/ be corrupted by the comment tool) check text of 104 for accuracy as the only dd Type G)

communication classification protocol (SCCP) al communication classification protocols ad Scratchpad function command [0xAA] 04-13 - CLASS TYPE INFO register table to the draft, with editing instruction) row of Table 104-13 as shown (unchanged rows not shown): ame Description R/W vpe 15 14 13 12 RO 1 1 1 0 = Type A

				•	1,00,1	
	1	1	0	1	= Type B	
	1	0	1	1	= Type C	
	0	1	1	1	= Type D	
	1	1	0	0	= Type E	
	0	0	1	1	= Type F	
	0	0	1	0	= Type G	

ol implementation conformance statement (PICS) proforma for Clause 104, Data Lines (PoDL) of Single-Pair Ethernet or capabilities/options

e to add rows for Type G PSE and Type G PD functionality, after rows for Type PD functionality, respectively (unchanged rows not shown) as shown: ture | Subclause | Value/Comment | Status | Support nplements PSE Type G functionality | 104.1.3 | Provides support for of Type G Power Sourcing Equipment | O | Yes[] No[]

plements PD Type G functionality | 104.1.3 | Provides support for of Type G Powered Device Equipment | O | Yes[] No[]

wered Device (PD)

ICS row PD20a after PD20 (Type A or Type C PD ripple and transients) as anged rows not shown):

ture | Subclause | Value/Comment | Status | Support e G PD ripple and transients | 104.1.3 | In accordance with specifications ble 104–11 for all operating voltages in the range of V_PD sourced through a ling network with MDI return loss as specified by Clause 190, and over the PD Power Sourcing Equipment | PDTG:M | Yes[] N/A[]

roposed Response	Response Status	w
PROPOSED ACCEPT Adopt proposal, with ed		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	C/ 104	Page 11 of 24
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	SC 104	6/20/2025 9:27:16 AM
SORT ORDER: Clause, Subclause, page, line		

C/ 104	SC 104.6.2	P37	L5	# 115
Zimmerma	an, George	APL Group, A	DI, Cisco, Marv	ell, Onsemi, Sony
Comment	Туре Е	Comment Status D		Pov
Fault f	tolerance require	ment requires consideration a	and is unclear a	t this time.
Suggested	dRemedy			
Worki Fault t	ng Group Ballot):	ance to the draft with Editor's nent for 100BASE-T1L need I Ys.	,	
Proposed	Response	Response Status W		
TFTD.		IN PRINCIPLE. whether there is consensus id adding an editorial note if		
C/ 190	SC 190.1.3.3	P 42	L1	# 7
Curran, Pl	hilip	ADI		
Curran, Pl Comment	•	ADI Comment Status D		E
<i>Comment</i> The pa indica	<i>Type</i> T aragraph beginnii tion of low SNR is		s in the LPI trar	ed" is incorrect. No Ismit mode. In that
<i>Comment</i> The pa indica	<i>Type</i> T aragraph beginnin tion of low SNR is rio the PHY exits	Comment Status D ng "When the PHY LPI refres s transmitted when the PHY i	s in the LPI trar	ed" is incorrect. No Ismit mode. In that
Comment The pa indica scena Suggested Propo	Type T aragraph beginnin tion of low SNR is rio the PHY exits dRemedy	Comment Status D ng "When the PHY LPI refrees s transmitted when the PHY i the LPI transmit mode and s te the paragraph. Outlining th	s in the LPI trar ignals low SNR	ed" is incorrect. No ismit mode. In that via the auxiliary bit.
Comment The paindica scena Suggested Propo detaile	Type T aragraph beginnin tion of low SNR is rio the PHY exits <i>IRemedy</i> se to simply dele	Comment Status D ng "When the PHY LPI refrees s transmitted when the PHY i the LPI transmit mode and s te the paragraph. Outlining th	s in the LPI trar ignals low SNR	ed" is incorrect. No ismit mode. In that via the auxiliary bit.
Comment The prindical scena Suggested Propo detaile	Type T aragraph beginnin tion of low SNR is rio the PHY exits <i>IRemedy</i> se to simply dele ed for the overvie	Comment Status D ng "When the PHY LPI refrees a transmitted when the PHY if the LPI transmit mode and s the the paragraph. Outlining the w. Response Status W	s in the LPI trar ignals low SNR	ed" is incorrect. No ismit mode. In that via the auxiliary bit.
Comment The prindical scena Suggested Propo detaile	Type T aragraph beginnin tion of low SNR is rio the PHY exits dRemedy se to simply dele ed for the overview Response	Comment Status D ng "When the PHY LPI refrees a transmitted when the PHY if the LPI transmit mode and s the the paragraph. Outlining the w. Response Status W	s in the LPI trar ignals low SNR	ed" is incorrect. No ismit mode. In that via the auxiliary bit.
Comment The prindical scena Suggested Propo detaile Proposed PROP	Type T aragraph beginnin tion of low SNR is rio the PHY exits dRemedy se to simply dele ed for the overvier Response POSED ACCEPT. SC 190.2.2	Comment Status D ng "When the PHY LPI refrees a transmitted when the PHY if the LPI transmit mode and s the the paragraph. Outlining the w. Response Status W	s in the LPI trar ignals low SNR ne handling of lo	ed" is incorrect. No ismit mode. In that via the auxiliary bit. w SNR seems too
Comment The prindical scena Suggested Propo detaile Proposed PROP	Type T aragraph beginnin tion of low SNR is rio the PHY exits <i>Remedy</i> se to simply dele ed for the overvier <i>Response</i> POSED ACCEPT. SC 190.2.2 hillip	Comment Status D ng "When the PHY LPI refrees a transmitted when the PHY if the LPI transmit mode and s te the paragraph. Outlining the w. Response Status W P44	s in the LPI trar ignals low SNR ne handling of lo	ed" is incorrect. No ismit mode. In that via the auxiliary bit. w SNR seems too
Comment The prindical scena Suggested Propo detaile PROF Cl 190 Curran, Pl Comment The pl	Type T aragraph beginnin tion of low SNR is rio the PHY exits <i>Remedy</i> se to simply dele ed for the overvier <i>Response</i> POSED ACCEPT. SC 190.2.2 hilip Type E rimitive PMA_RE	Comment Status D ng "When the PHY LPI refrees s transmitted when the PHY it the LPI transmit mode and s te the paragraph. Outlining the w. Response Status W P44 ADI	s in the LPI trar ignals low SNR ne handling of lo <i>L</i> 39 med PMA_REM	# <u>8</u> IFLRRXSTATUS and
Comment The prindical scena Suggested Propo detaile PROF Cl 190 Curran, Pl Comment The pl	Type T aragraph beginnin tion of low SNR is rio the PHY exits dRemedy se to simply dele ed for the overvie Response POSED ACCEPT. SC 190.2.2 hillip Type E rimitive PMA_RE irameter rem_rcv	Comment Status D ng "When the PHY LPI refrees s transmitted when the PHY it the LPI transmit mode and s te the paragraph. Outlining the <i>Response Status</i> W <i>P44</i> ADI <i>Comment Status</i> D MRXSTATUS has been rena	s in the LPI trar ignals low SNR ne handling of lo <i>L</i> 39 med PMA_REM	# <u>8</u> IFLRRXSTATUS and
Comment The prindical scena Suggested Proposed PROP C/ 190 Curran, Pl Comment The printe part Suggested Chang	Type T aragraph beginnin tion of low SNR is rio the PHY exits dRemedy se to simply dele ed for the overvie Response POSED ACCEPT. SC 190.2.2 hilip Type E rimitive PMA_RE irameter rem_rcv dRemedy	Comment Status D ng "When the PHY LPI refrees s transmitted when the PHY it the LPI transmit mode and s te the paragraph. Outlining the <i>Response Status</i> W <i>P44</i> ADI <i>Comment Status</i> D MRXSTATUS has been rena	s in the LPI trar ignals low SNR ne handling of lo <i>L</i> 39 med PMA_REM rem_flr_rovr_sta	ed" is incorrect. No ismit mode. In that via the auxiliary bit. w SNR seems too # 8

C/ 190	SC	190.2.2	P 44	L 39	# 75
Graber, St	effen		Pepperl+Fuc	hs SE	
Comment	Туре	Е	Comment Status D		E
"PMA_	REMF	RXSTATUS	.request" should be "PMA_	REMFLRRXSTA	TUS.request".
Suggestea	Remed	dy			
			STATUS.request" to "PMA_ I90.2.2.9 accordingly.	REMFLRRXSTA	TUS.request". Change
Proposed	Respor	nse	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
PROP	OSED	ACCEPT.			
C/ 190	SC	190.2.2	P 45	L18	# 9
Curran, Ph	nilip		ADI		
Comment	Туре	Е	Comment Status D		E.
Dot mi	ssing i	n "PMA_R	EMPHYIDLErequest".		
Suggested	Remed	dy			
Insert	dot.				
Proposed	Respor	nse	Response Status W		
PROP	OSED	ACCEPT.			
C/ 190	SC	190.2.2	P 45	L18	# 76
Graber, St	effen		Pepperl+Fuc	hs SE	
Comment	Туре	Е	Comment Status D		E
"PMA_	REMP	HYIDLEre	quest" should be "PMA_RE	MPHYIDLE.reque	est".
Suggested	Remed	dy			
Chang	e "PM/	A_REMPH	YIDLErequest" to "PMA_RE	MPHYIDLE.requ	est".

Proposed Response Response Status W PROPOSED ACCEPT.

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

Cl	190
SC	190.2.2

Page 12 of	f 24
6/20/2025	9:27:16 AM

C/ 190	SC 190.2.2	P 45	L 41	# 10		C/ 190	SC 190.2.2.1	16 P 52	2 L	54	# 78
Curran, Pl	hilip	ADI				Graber, St	effen	Pepp	erl+Fuchs SE		
Comment	Туре Е	Comment Status D			EZ	Comment	Гуре Е	Comment Status	D		EEE
	ord 'PHY' is misp e sided arrow.	blaced in Figure 190-3. It sho	uld be centered	on the horizontal		Needs receive		orrected, which functi	on generates th	ne primitive an	d which functions
Suggested	Remedy					Suggested	Remedy				
Updat	e figure.							rameter PMA_PCS_T			
Proposed	Response	Response Status 🛛 🛛 🛛 🖉						ceive functions inform de." to: "The paramete			
PROP	OSED ACCEPT.					convey	s to the PMA T	ransmit and PMA Rec	eive functions i		
C/ 190	SC 190.2.2.9	P 49	L 26	# 11		Proposed I		tion is in the LPI trans Response Status			
Curran, Pl	hilip	ADI				,	OSED ACCEPT				
Comment	Туре Е	Comment Status D			ΕZ						
	eading uses the r REMFLRRXSTA	name PMA_REMRXSTATUS TUS.	S which has bee	n changed to		C/ 190 Curran, Ph	SC 190.3	P 5: ADI	3 L	52	# 12
Suggested						Comment	•	Comment Status	D		PCS
	-	xt to PMA REMFLRRXSTA	TUS.				51	Transmission Enable		s handled by t	
Proposed	Response	Response Status W				(8N)B/	(8N+1)B Transn	nit state diagram.			
PROF	, OSED ACCEPT.	,				Suggested	Remedy				
						Chang	e text to followin	ıg:			
C/ 190	SC 190.2.2.9		L 38	# 77		"The P	CS sublayer co	mprises one PCS Res	set function and	l two simultane	eous and
Graber, S		Pepperl+Fuc	hs SE					ng functions. The PCS			
Comment		Comment Status D			ΕZ			erating functions are a Reset function."	started immedia	ately after the	successiul
_	-	Ild be "rem_flr_rcvr_status".				Proposed I		Response Status	w		
Suggested	-	ue" to "rom fir rour statue"				•	OSED ACCEPT	•			
Chang Proposed	·	us" to "rem_flr_rcvr_status". <i>Response Status</i> W				C/ 190	SC 190.3	P54	4 L	0	# 79
•	POSED ACCEPT.	,						-	-	0	# 79
1101						Graber, St		Comment Status	erl+Fuchs SE		FFF
						Comment	51	o figure 190-17 the (d	-	nes indicatina	
						PMĂ F		to PCS Transmit and			
						Suggested	Remedy				
							dication from PN 190-4 and 190-	A Receive function to 17.	o PCS Transmi	t and PCS Re	ceive functions in
						Proposed I PROP	Response OSED ACCEPT	Response Status	W		
דעמבי דיי	tochnical require	d ER/editorial required GR/	annoral requires	h T/toobaical E/adit	torial C	nonoral			C/ 190		Page 13 of 24
		spatched A/accepted R/reie					Z/withdrawn		SC 190.3		6/20/2025 9·27·16

COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed Z/withdrawnSC 190.36/20/2025 9:27:16 AMSORT ORDER: Clause, Subclause, page, line

ΕZ

PCS

ΕZ

ΕZ

C/ 190	SC 190.3	P 54	L8	# 80		C/ 190	SC 190.3.2	P55	L6	# 82
Graber, Ste	ffen	Pepperl+Fuch	is SE			Graber, Steff	en	Pepperl+	Fuchs SE	
Comment T	ype T	Comment Status D			PCS	Comment Ty	pe E	Comment Status D		
PCS Da	ata Transmissio	n Enable function has been i	ntegrated in PC	S Transmit function	า.	The Tran	smit State Dia	agram should be referend	ced.	
SuggestedF	Remedy					SuggestedRe	emedy			
		ta Transmission Enable" fro		and connect TX_E	R and	Change '	'Figure 190-1'	1" to "Figure 190-12".		
_	•	PCS Transmit function bloc	Κ.			Proposed Re	sponse	Response Status 🛛 🛛		
Proposed R	•	Response Status W				PROPOS	SED ACCEPT			
PROPC	SED ACCEPT.					C/ 190	SC 190.3.2.4	P 58	L36	# 83
C/ 190	SC 190.3	P 54	L13	# 13		Graber, Steff			Fuchs SE	
Curran, Phi	lip	ADI				Comment Ty		Comment Status D		F
Comment T		Comment Status D			PCS			ission Enable State diag	ram has been remov	ved. Thus variables
		ransmission Enable function	n. This is handle	ed by the PCS				are no more generated.		
. , .	,	it state diagram.				SuggestedRe	emedy			
SuggestedF	•	nsmission Enable block from	Eiguro 100 4			In Table	190-1 change	"tx_enable" to "TX_EN"	and "tx_error" to "TX	(_ER".
			Figure 190-4.			Proposed Re	sponse	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
Proposed R PROPC	esponse SED ACCEPT.	Response Status W				PROPOS	SED ACCEPT			
C/ 190	SC 190.3	P 54	L 30	# 81		C/ 190	SC 190.3.2.4	P60	L15	# 14
				# 01		Curran, Philip	C	ADI		
Graber, Ste Comment T		Pepperl+Fuch Comment Status D	IS SE		EZ	Comment Ty		Comment Status D		
•		been changed to "rem flr rc	vr status"		EZ	Table 19	0-2 uses the s	symbol /Q/ which should	be /R/.	
SuggestedF	-					SuggestedRe				
	•	us" to "rem flr rcvr status".	Do the same in	figure 190-17		Change /	Q/ to /R/ in Ta	able 190-2.		
Proposed R		Response Status W		ingulo 100 III.		Proposed Re	sponse	Response Status W		
•	SED ACCEPT.					PROPOS	SED ACCEPT			
						C/ 190	SC 190.3.2.4	P60	L16	# 84
						Graber, Steff	en	Pepperl+	Fuchs SE	
						Comment Ty	pe E	Comment Status D		
						"IDL" is c	loubled.			
						SuggestedRe	emedy			
							'IDLIDL" to "I	DL".		
						Proposed Re	sponse	Response Status W		
						•	SED ACCEPT	,		

Page 14 of 24 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SC 190.3.2.4 6/20/2025 9:27:16 AM SORT ORDER: Clause, Subclause, page, line

C/ 190	SC 190.3.2.4	P60	L 16	# 15	C/ 190	SC 190.3.2.4	P62	L37	# 18	
Curran, Pl	nilip	ADI			Curran, Phi	lip	ADI			
Comment	Туре Е	Comment Status D			Z Comment T	ype E	Comment Status D			EZ
The ev	ven transfer categ	ory is specified as "IDLIDL".			The ind line 39.	entation of "if TS	S_prev:" is incorrect. It shou	lld align with the	"else:" that follows	s at
Suggested	Remedy					N				
Chang	e "IDLIDL" to "IDI	L".			SuggestedF	,	a an an a sa h a fana Ah a if			
Proposed	Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉				,	g spaces before the if.			
PROP	OSED ACCEPT.				Proposed R	esponse ISED ACCEPT.	Response Status W			
C/ 190	SC 190.3.2.4	P 60	L 43	# 16	· · ·					
Curran, Pl	nilip	ADI			C/ 190	SC 190.3.2.11	I P69	L8	# 19	
Comment	Туре т	Comment Status D		Edito	a/ Curran, Phi	lip	ADI Comment Status D			
i ne de	annilion associate	d with the symbol /l/ is "Norr	пагіпіег-гіатіе,	loc_pny_ready=OK.						
This is		suggests that Normal Inter-F K. This is not the case.	Frame signaling i	may also occur when	It would correctly		e a fixed width font for the 6-	-tuples so that th	e symbols line up	
This is	y_read = NOT_O		Frame signaling i	may also occur when		у.	e a fixed width font for the 6-	-tuples so that th	e symbols line up	
This is loc_ph Suggested	y_read = NOT_O Remedy			may also occur when	correctly SuggestedF	у.		-tuples so that th	e symbols line up	
This is loc_ph Suggested Chang Proposed	ly_read = NOT_O <i>Remedy</i> le the definition fo	K. This is not the case.		may also occur when	correctl SuggestedF Change Proposed R	y. <i>Remedy</i> font in Table 19	90-5. Response Status W	-tuples so that th	e symbols line up	
This is loc_ph Suggested Chang Proposed	y_read = NOT_O I <i>Remedy</i> le the definition fo Response	K. This is not the case. or /I/ to "Normal Inter-Frame"		may also occur when	correctl SuggestedF Change Proposed R	y. Remedy font in Table 19 esponse	90-5. Response Status W	-tuples so that th	e symbols line up # <u>85</u>	
This is loc_ph Suggested Chang Proposed	y_read = NOT_O IRemedy le the definition fo Response OSED ACCEPT. SC 190.3.2.4	K. This is not the case. or /I/ to "Normal Inter-Frame" <i>Response Status</i> W			correctl SuggestedF Change Proposed R PROPC	y. Remedy font in Table 19 esponse DSED ACCEPT. SC 190.3.2.12	90-5. Response Status W	L41		
This is loc_ph Suggested Chang Proposed PROP Cl 190	y_read = NOT_O (Remedy le the definition fo Response OSED ACCEPT. SC 190.3.2.4 hilip	K. This is not the case. or /I/ to "Normal Inter-Frame" <i>Response Status</i> W P 60		# [<u>17</u>	correctl SuggestedF Change Proposed R PROPC C/ 190	y. Remedy font in Table 19 esponse OSED ACCEPT. SC 190.3.2.12 ffen	90-5. Response Status W 2 P71	L41		EZ
This is loc_ph Suggested Chang Proposed PROP Cl 190 Curran, Pt Comment	y_read = NOT_O Remedy le the definition fo Response OSED ACCEPT. SC 190.3.2.4 hillip Type E	oK. This is not the case. or /I/ to "Normal Inter-Frame" <i>Response Status</i> W <i>P</i> 60 ADI	L 49	# [<u>17</u>	correctl SuggestedF Change Proposed R PROPC C/ 190 Graber, Ste Z Comment T	y. Remedy font in Table 19 esponse OSED ACCEPT. SC 190.3.2.12 ffen	90-5. Response Status W 2 P71 Pepperl+Fuc Comment Status D	L41		
This is loc_ph Suggested Chang Proposed PROP Cl 190 Curran, Pt Comment	y_read = NOT_O IRemedy le the definition fo Response OSED ACCEPT. SC 190.3.2.4 hillip Type E rmbol for Assert F	 K. This is not the case. or /I/ to "Normal Inter-Frame" <i>Response Status</i> W <i>P</i>60 ADI <i>Comment Status</i> D 	L 49	# [<u>17</u>	correctl SuggestedF Change Proposed R PROPC C/ 190 Graber, Ste Z Comment T	y. Remedy font in Table 19 esponse DSED ACCEPT. SC 190.3.2.12 ffen ype E "Table 190–10"	90-5. Response Status W 2 P71 Pepperl+Fuc Comment Status D	L41		
This is loc_ph Suggested Chang Proposed PROP Cl 190 Curran, Ph Comment The sy Suggested	y_read = NOT_O IRemedy le the definition fo Response OSED ACCEPT. SC 190.3.2.4 hillip Type E rmbol for Assert F	 K. This is not the case. or /I/ to "Normal Inter-Frame" <i>Response Status</i> W <i>P</i>60 ADI <i>Comment Status</i> D 	L 49	# [<u>17</u>	correctl SuggestedF Change Proposed R PROPC C/ 190 Graber, Ste Z Comment T "." after SuggestedF Add dot	y. Remedy font in Table 19 esponse OSED ACCEPT. SC 190.3.2.12 ffen ype E "Table 190–10" Remedy	90-5. Response Status W 2 P71 Pepperl+Fuc Comment Status D	<i>L</i> 41 chs SE	# <u>85</u>	EZ
This is loc_ph Suggested Chang Proposed PROP Cl 190 Curran, Ph Comment The sy Suggested	y_read = NOT_O (Remedy le the definition fo Response OSED ACCEPT. SC 190.3.2.4 hillip Type E rmbol for Assert F (Remedy le /RI/ to /R/.	 K. This is not the case. or /I/ to "Normal Inter-Frame" <i>Response Status</i> W <i>P</i>60 ADI <i>Comment Status</i> D 	L 49	# [<u>17</u>	correctl SuggestedF Change Proposed R PROPC C/ 190 Graber, Ste Z Comment T "." after SuggestedF	y. Remedy font in Table 19 esponse OSED ACCEPT. SC 190.3.2.12 ffen ype E "Table 190–10" Remedy at the end of th	90-5. <i>Response Status</i> W 2 <i>P</i> 71 Pepperl+Fuc <i>Comment Status</i> D is missing.	<i>L</i> 41 chs SE	# <u>85</u>	EZ

C/ 190 SC 190.3.2.12

C/ 190 SC 190.3.2	12 P72	L33	# 86	C/ 190 SC 190.3.4.2	P75	L 21	# 21	
Graber, Steffen	Pepperl+Fuch	ns SE		Curran, Philip	ADI			
Comment Type E	Comment Status D		EEE	Comment Type E	Comment Status D			ΕZ
32 partial frame cour	nts is 32 * 2.4 µs = 76.8 µs, 44 ∣	partial frame cou	ints is 105.6 μs.	The abbreviation PFC sh	ould be introduced in the to	ext rather than in	the figure.	
SuggestedRemedy				SuggestedRemedy				
Change "76.8s" to "7	6.8 µs" and "105.6s" to "105.6	μs".		Change " among the p	artial frame count," to ".	among the pai	rtial frame count (PFC),
Proposed Response PROPOSED ACCEF	Response Status W			" Proposed Response PROPOSED ACCEPT.	Response Status W			
C/ 190 SC 190.3.2	.12 P72	L 33, 36	# 20	C/ 190 SC 190.3.4.2	P75	L 24	# 22	
Curran, Philip	ADI			Curran, Philip	ADI	L 24	π 22	
Comment Type E	Comment Status D		EZ	Comment Type E	Comment Status D			EZ
The wake time value specified to be in sec	s are 76.8 us and 105.6 us. Cu conds.	rrently the values	s are incorrectly	51	es the abbreviation PCS ra	ther than PFC.		EZ
SuggestedRemedy				SuggestedRemedy				
Change 76.8 s to 76.	8 us and change 105.6 s to 10	5.6 us.		Change "Partial Frame C	Count (PCS)" to "Partial Fra	me Count (PFC)	"	
Proposed Response PROPOSED ACCEF	Response Status W			Proposed Response PROPOSED ACCEPT.	Response Status W			
C/ 190 SC 190.3.3	P72	L 42	# 87	C/ 190 SC 190.3.4.2	P 76	L18	# 95	
Graber, Steffen	Pepperl+Fuch	ns SE		Graber, Steffen	Pepperl+Fuc	hs SE		
Comment Type E	Comment Status D		EZ	Comment Type E	Comment Status D			ΕZ
The Receive state di	agram is split into Figure 190-1	4 and Figure 190)-15.	Closing bracket at the en	d of the line should be a ne	ormal bracket.		
SuggestedRemedy				SuggestedRemedy				
Change "Figure 190-	14" to "Figure 190-14 and Figu	re 190-15".		Change "]" to ")" at the e	nd of the line. Do this also	in lines 23 and 30	0.	
Proposed Response PROPOSED ACCEF	Response Status W			Proposed Response PROPOSED ACCEPT.	Response Status W			

C/ 190 SC 190.3.4.2

CI 400 CC 400 0 4	O 4 D 77	1.00	# 00	CL 400 0C 400 0 4	0 070	10	# 00
C/ 190 SC 190.3.4		L 29	# 23	C/ 190 SC 190.3.4.		L8	# 26
Curran, Philip	ADI			Curran, Philip	ADI		
Comment Type E	Comment Status D	io othy	EZ	Comment Type T	Comment Status D	a daaa nat matab	Editoria
	gister bits are specified incom	ecuy.		·		y does not match	i the adopted proposal.
SuggestedRemedy				SuggestedRemedy		" I 40 f	
	1L advertisement register bits bits 3.2297.14 and 3.2297.15"		282.1" to "100BASE-		with adopted proposal. See s 02025.pdf from the January r		nix.
Proposed Response PROPOSED ACCEP	Response Status W T.			I am not able to copy presentation.	the correct equation reliably i	into this spreadsh	neet. Please consult the
C/ 190 SC 190.3.4	.2.4 P77	L31	# 24	Proposed Response	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
Curran, Philip	ADI	-••		PROPOSED ACCEP	Г.		
Comment Type E	Comment Status D		Registers	C/ 190 SC 190.3.5	P79	L34	# 27
The link partner adve	rtisement register bits are spe	cified incorrectly.		Curran, Philip	ADI		
o <i>i</i> io i				Comment Type E	Comment Status D		EZ
SuggestedRemedy				сопппенстуре Е			
Change sentence as	follows:				e handle all test modes in 19	0.5.	L2
Change sentence as		s 3 2298 14 and :	3 2298 15 reflect the			0.5.	
Change sentence as "The 100BASE-T1L li PHY capability bits co	follows: ink partner training register bit ommunicated by the link partn			Clause 190 will handle	e handle all test modes in 190	0.5.	L2
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). "	ink partner training register bit			Clause 190 will handle SuggestedRemedy	e handle all test modes in 190	0.5.	L2
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W			Clause 190 will handle SuggestedRemedy Remove heading 190	e handle all test modes in 190 3.5. <i>Response Status</i> W	0.5.	
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). "	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W			Clause 190 will handle SuggestedRemedy Remove heading 190 Proposed Response PROPOSED ACCEP	e handle all test modes in 190 3.5. <i>Response Status</i> W F.		
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W T.			Clause 190 will handle SuggestedRemedy Remove heading 190. Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6	e handle all test modes in 190 3.5. <i>Response Status</i> W r. <i>P</i> 79	L46	# 96
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W T.	er through the red	ceived InfoField (see	Clause 190 will handle SuggestedRemedy Remove heading 190 Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen	e handle all test modes in 190 3.5. <i>Response Status</i> W r. <i>P</i> 79 Pepperl+Fuc	L46	# <u>96</u>
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4 Curran, Philip	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W T. .3 <i>P</i> 78	er through the red	ceived InfoField (see	Clause 190 will handle SuggestedRemedy Remove heading 190 Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen Comment Type E	e handle all test modes in 190 3.5. <i>Response Status</i> W r. <i>P</i> 79	L46	# <u>96</u>
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4 Curran, Philip Comment Type E It would be better to c	ink partner training register bit communicated by the link partn <i>Response Status</i> W T. .3 <i>P</i> 78 ADI	er through the red	# 25 EZ	Clause 190 will handle SuggestedRemedy Remove heading 190. Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen Comment Type E Should be singular.	e handle all test modes in 190 3.5. <i>Response Status</i> W r. <i>P</i> 79 Pepperl+Fuc	L46	# <u>96</u>
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4 Curran, Philip Comment Type E	ink partner training register bit communicated by the link partn <i>Response Status</i> W T. .3 <i>P</i> 78 ADI <i>Comment Status</i> D	er through the red	# 25 EZ	Clause 190 will handle SuggestedRemedy Remove heading 190. Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen Comment Type E Should be singular. SuggestedRemedy	e handle all test modes in 190 3.5. <i>Response Status</i> W F. <i>P</i> 79 Pepperl+Fuc <i>Comment Status</i> D	L46	# <u>96</u>
Change sentence as "The 100BASE-T1L li PHY capability bits or 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4 Curran, Philip Comment Type E It would be better to u correctly. SuggestedRemedy	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W T. .3 <i>P</i> 78 ADI <i>Comment Status</i> D use a fixed width font for the 6-	er through the red	# 25 EZ	Clause 190 will handle SuggestedRemedy Remove heading 190 Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen Comment Type E Should be singular. SuggestedRemedy Change "use" to "uses	e handle all test modes in 190 3.5. <i>Response Status</i> W r. <i>P</i> 79 Pepperl+Fue <i>Comment Status</i> D	L46	# <u>96</u>
Change sentence as "The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4 Curran, Philip Comment Type E It would be better to u correctly.	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W T. .3 <i>P</i> 78 ADI <i>Comment Status</i> D use a fixed width font for the 6-	er through the red	# 25 EZ	Clause 190 will handle SuggestedRemedy Remove heading 190 Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen Comment Type E Should be singular. SuggestedRemedy Change "use" to "uses Proposed Response	e handle all test modes in 190 3.5. <i>Response Status</i> W T. <i>P</i> 79 Pepperl+Fuc <i>Comment Status</i> D s". <i>Response Status</i> W	L46	# <u>96</u>
"The 100BASE-T1L li PHY capability bits co 190.3.4.2.4). " Proposed Response PROPOSED ACCEP C/ 190 SC 190.3.4 Curran, Philip Comment Type E It would be better to u correctly. SuggestedRemedy	ink partner training register bit ommunicated by the link partn <i>Response Status</i> W T. .3 <i>P</i> 78 ADI <i>Comment Status</i> D use a fixed width font for the 6-	er through the red	# 25 EZ	Clause 190 will handle SuggestedRemedy Remove heading 190 Proposed Response PROPOSED ACCEP Cl 190 SC 190.3.6 Graber, Steffen Comment Type E Should be singular. SuggestedRemedy Change "use" to "uses	e handle all test modes in 190 3.5. <i>Response Status</i> W T. <i>P</i> 79 Pepperl+Fuc <i>Comment Status</i> D s". <i>Response Status</i> W	L46	

C/ 190 SC 190.3.6

C/ 190 SC 190.3.6	P80	L14	# 28	C/ 190 SC 190.3.6.1	P81	L	# 99
Curran, Philip	ADI			Graber, Steffen	Pepperl+Fuc	hs SE	
Comment Type T	Comment Status D		EEE	Comment Type E	Comment Status D		EZ
Figure 190-11 does not SuggestedRemedy	t match the adopted proposi	al.		"tx_refresh_active=true" (2 spaces added).	should be "tx_refresh_activ	e = true" to aligr	n with the following lines
,	vith adopted proposal. See s	lide 21 of Curran	3dg 01 05132025.pdf	SuggestedRemedy			
from the May meeting i	n New Orleans.		_ 0 1	Change "tx_refresh_acti	ve=true" to "tx_refresh_activ	ve = true". Do th	e same in table 190-11.
Proposed Response PROPOSED ACCEPT.	Response Status W			Proposed Response PROPOSED ACCEPT.	Response Status W		
C/ 190 SC 190.3.6	P80	L 31	# 97	C/ 190 SC 190.3.6.1	P81	L12	# 98
Graber, Steffen	Pepperl+Fuc	hs SE		Graber, Steffen	Pepperl+Fuc	hs SE	
Comment Type E Table 190-9 is reference	Comment Status D ed on page 79, line 47.		EZ	Comment Type E "of" is missing.	Comment Status D		EZ
SuggestedRemedy Remove editorial note.				SuggestedRemedy Change " beginning a	ny" to " beginning of ar	ויי. Do the sa	ame in line 13.
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response PROPOSED ACCEPT.	Response Status W		
C/ 190 SC 190.3.6	P80	L 36	# 29	C/ 190 SC 190.3.6.1	P81	L13	# 30
Curran, Philip	ADI			Curran, Philip	ADI		
	<i>Comment Status</i> D natch the adopted proposal.		EEE	Comment Type E Missing "of" in " at the multiple".	Comment Status D beginning any		EZ
SuggestedRemedy Modify in accordance w from the May meeting i Proposed Response	vith adopted proposal. See s n New Orleans. <i>Response Status</i> W	lide 22 of Curran	_3dg_01_05132025.pdf	SuggestedRemedy Change to " at the beg multiple".	ginning of any		
PROPOSED ACCEPT.				Proposed Response PROPOSED ACCEPT.	Response Status W		

C/ 190 SC 190.3.6.1

C/ 190 SC 190.3.	6.2 P81	L 41	# 31	C/ 190	SC 190.3.7.	1.2	P 84	L3	# 101	
Curran, Philip	ADI			Graber, St	teffen	Р	epperl+Fuc	chs SE		
Comment Type T	Comment Status D		E	EE Comment	Туре Е	Comment Sta	tus D			EZ
The sentence desci	ibing quiet period signaling do	es not match the	adopted proposal.	RX_LF	PI and RX_ALEF	RT states are show	vn in Figure	e 190-15.		
SuggestedRemedy				Suggested	Remedy					
Change the sentend	ce:			Chang	je Figure 190-14	to Figure 190-15	Do the sa	me for the reference	on page 86, li	ne 28.
	s, the PCS transmitter passes DATA.request primitive."	zero data encode	ed symbols to the PMA		Response OSED ACCEPT	Response Sta	tus W			
to the following:				C/ 190	SC 190.3.7.	1.2	P 84	L12	# 102	
"During the quiet pe	riad the DCC transmitter shall	and to the	DMA via the	Graber, St	teffen	Р	epperl+Fuc	chs SE		
PMA_UNITDATA.re	riod the PCS transmitter shall equest primitive."	pass zeros to trie	PIMA via trie	Comment	Туре Е	Comment Sta	tus D			EZ
Proposed Response	Response Status W			The S	NR of the remote	e PHY is meant.				
PROPOSED ACCE	PT.			Suggested	lRemedy					
C/ 190 SC 190.3.	7.1.2 <i>P</i> 83	L 41	# 100	Chang	je "to SNR" to "t	he SNR".				
Graber, Steffen	Pepperl+Fu		# [100	Proposed	Response	Response Sta	tus W			
Comment Type E	Comment Status D			EZ PROP	OSED ACCEPT	Γ.				
• •	0:5>" the lower boundary in the	first arrav dimen	sion is missing	C/ 190	SC 190.3.7.	12	P84	L12	# 34	
SuggestedRemedy			elerrie mieeling.	Curran, Pl				- 12	<i>"</i> 04	B
,	- 1><0:5>" to "tx mii<0:(2N - 1)><0:5>"		Comment	•	Comment Sta				EZ
Proposed Response	Response Status W	,			at "whether to SI					
PROPOSED ACCE	•			Suggested	IRemedv					
				00	e to "whether th	e SNR".				
C/ 190 SC 190.3.		L 31, 39	# 32	Proposed	Response	Response Sta	tus W			
Curran, Philip	ADI			PROP	OSED ACCEPT	•				
Comment Type E	Comment Status D			EZ	00 400 2 7	4.0	D04	L17	# 05	
preceded by and fol	char and tx_coded refer to "(8 lowed by spaces.	N)D/(OIN+I)D . EIS	sewhere the + symbol		SC 190.3.7.4		P 84 DI	LII	# 35	
SuggestedRemedy				Curran, Pl Comment	•	A Comment Sta				EZ
Change to "(8N)B/(8	3N + 1)B".				51			ve with base name		EZ
Proposed Response	Response Status W				_PCS_RX_LPI_S					
PROPOSED ACCE	PT.			Suggested	Remedy					
				Add ".	request".					
				Proposed	Response	Response Sta	tus W			
				PROP	OSED ACCEPT	Γ.				
TYPE: TR/technical reg	uired ER/editorial required GF	R/general required	I T/technical E/editor	ial G/general			C/ 19	90	Page 19	of 24

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SC 190.3.7.1.2 6/20/2025 9:27:16 AM SORT ORDER: Clause, Subclause, page, line

C/ 190 SC 190.3.7.1.2 P84 L43 # 36		C/ 190 SC 190.3.7.1.5 P86 L15 # 38	
Curran, Philip ADI		Curran, Philip ADI	
Comment Type E Comment Status D	EZ	Comment Type E Comment Status D	Е
Alert signaling is not listed in the text "sleep, quiet-refresh, or wake signaling".		The draft indcates that the counters rfer_cnt and rfrx_cnt are required when EEE is ena	
SuggestedRemedy		for the link. This is incorrect. These counters are required when RS-FEC is enabled for link.	the
Change to "sleep, quiet-refresh, alert, or wake signaling".		SuggestedRemedy	
Proposed Response Response Status W PROPOSED ACCEPT.		Insert the following before line 15 (before the definition of rfer_cnt):	
C/ 190 SC 190.3.7.1.2 P85 L22 # 103		"The following counters are required when RS-FEC is enabled for the link."	
Graber, Steffen Pepperl+Fuchs SE		A knock-on effect is that at line 10 the word "counters" needs to change to "counter".	
Comment Type E Comment Status D	EZ	Proposed Response Response Status W	
"rf valid" variable name is used in state machines.	EZ	PROPOSED ACCEPT.	
_		C/ 190 SC 190.3.7.2 P87 L39 # 39	
SuggestedRemedy Change "rf_valide" to "rf_valid".			
		Curran, Philip ADI Comment Type T Comment Status D	E
Proposed Response Response Status W PROPOSED ACCEPT.		Comment Type T Comment Status D Exit condition from TX_WAKE to TX_MII is incorrectly shown as "tx_lpi_active".	E
C/ 190 SC 190.3.7.1.2 P85 L22 # 37		SuggestedRemedy Change condition to "!tx lpi active".	
Curran, Philip ADI		0 <u>-</u> ,	
Comment Type E Comment Status D	EZ	Proposed Response Response Status W PROPOSED ACCEPT.	
Typo in the variable name "rf_valide".			
SuggestedRemedy		C/ 190 SC 190.3.7.2 P89 L1 # 104	
Change to "rf_valid".		Graber, Steffen Pepperl+Fuchs SE	_
Proposed Response Response Status W PROPOSED ACCEPT.		Comment Type E Comment Status D The Receive state diagram is split into Figure 190-14 and Figure 190-15.	E.
		SuggestedRemedy	
		Change "Figure 190-14" to "Figure 190-14 and Figure 190-15".	
		Proposed Response Response Status W	
		PROPOSED ACCEPT.	

C/ 190 SC 190.3.7.2

C/ 190 SC 190.3.7.2	P 89	L 22	# 105		C/ 190	SC 190.4	P 92	L18	# 89
Graber, Steffen	Pepperl+Fuch	ns SE	` 1		Graber, Steff	en	Pepperl+Fuc	hs SE	
Comment Type E	Comment Status D			ΕZ	Comment Ty	pe T	Comment Status D		Editoria
"PKT R" should be "PK SuggestedRemedy	T_R". "x_char" (see line 27) s	should be "rx_ch	nar".			Refresh monito monitor block is	block" is incorporated in the required.	e PMA Receive	function, no separate
	(T R" (line 22) Change "v c	har" to "ry_char'	' (line 27)		SuggestedRe	emedy			
Change "PKT R" to "PKT_R" (line 22). Change "x_char" to "rx_char" (line 27). Proposed Response Response Status W					Remove line 18.	"Refresh Moni	or, " in line 11 on page 92 a	ind also the asso	ciated Editor's note in
PROPOSED ACCEPT.					Proposed Re	sponse	Response Status 🛛 🛛 🛛 🛛 🛛 🖉		
C/ 190 SC 190.3.7.2	P 91	L 28	# 106		PROPOS	SED ACCEPT.			
Graber, Steffen	Pepperl+Fuch	ns SE			C/ 190	SC 190.4.4.1	P 95	L 21	# 90
Comment Type E	Comment Status D			ΕZ	Graber, Steff	en	Pepperl+Fuc	hs SE	
"rxrx_cnt" should be "rfi	rx_cnt".				Comment Ty	pe E	Comment Status D		Register
SuggestedRemedy					The "rece	eive fault" bit h	as been removed.		
	frx_cnt". Apply the same cha	nge to line 31.			The "rece SuggestedRe		as been removed.		
Change "rxrx_cnt" to "rf	Response Status W	nge to line 31.			SuggestedRe Remove	emedy	ping of MDIO status variabl	es to PMA statu	s variables is shown in
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT.	Response Status W		# 00		SuggestedRe Remove	e <i>medy</i> sentence "Map 0–13." and tab	ping of MDIO status variabl	es to PMA statu	s variables is shown in
Proposed Response PROPOSED ACCEPT. Cl 190 SC 190.4	Response Status W	L 16	# 88		SuggestedRe Remove Table 19 Proposed Re	e <i>medy</i> sentence "Map 0–13." and tab	ping of MDIO status variabl e 190-13.	es to PMA statu	s variables is shown in
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.4 Graber, Steffen	Response Status W	L 16	# 8 <u>8</u>	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS	emedy sentence "Map 0–13." and tab sponse	ping of MDIO status variabl e 190-13.	es to PMA status	s variables is shown in # 91
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.4 Graber, Steffen	P92 Pepperl+Fuch Comment Status D	L 16	# <mark>88</mark>	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS	emedy sentence "Map 0–13." and tab sponse SED ACCEPT. SC 190.4.8.2	ping of MDIO status variabl e 190-13. <i>Response Status</i> W	L 20	
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.4 Graber, Steffen Comment Type E The PMA Reference dia	P92 Pepperl+Fuch Comment Status D	L 16	# <mark>88</mark>	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS	emedy sentence "Map 0–13." and tab sponse SED ACCEPT. SC 190.4.8.2 fen	ping of MDIO status variabl e 190-13. <i>Response Status</i> W P 97	L 20	# 91
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.4 Graber, Steffen Comment Type E The PMA Reference dia SuggestedRemedy	Response Status W P92 Pepperl+Fuch Comment Status D agram is figure 190-17.	L 16	# 88	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS C/ 190 Graber, Steff Comment Ty	emedy sentence "Map 0–13." and tab sponse SED ACCEPT. SC 190.4.8.2 fen	ping of MDIO status variabl e 190-13. <i>Response Status</i> W <i>P</i> 97 Pepperl+Fuc <i>Comment Status</i> D	L 20	# 91
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. Cl 190 SC 190.4 Graber, Steffen Comment Type E The PMA Reference dia SuggestedRemedy Change reference from	Response Status W P92 Pepperl+Fuch Comment Status D agram is figure 190-17. figure 190-14 to 190-17.	L 16	# <u>88</u>	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS C/ 190 Graber, Steff Comment Ty	emedy sentence "Map 0–13." and tab sponse SED ACCEPT. SC 190.4.8.2 fen pe E ead as "+ w(t)".	ping of MDIO status variabl e 190-13. <i>Response Status</i> W <i>P</i> 97 Pepperl+Fuc <i>Comment Status</i> D	L 20	# 91
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.4 Graber, Steffen Comment Type E The PMA Reference dia SuggestedRemedy	Response Status W P92 Pepperl+Fuch Comment Status D agram is figure 190-17. figure 190-14 to 190-17. Response Status W	L 16	# <mark>88</mark>	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS C/ 190 Graber, Steff Comment Ty _l Should re SuggestedRe	emedy sentence "Map 0–13." and tab sponse SED ACCEPT. SC 190.4.8.2 fen pe E ead as "+ w(t)".	pping of MDIO status variable e 190-13. <i>Response Status</i> W <i>P</i> 97 Pepperl+Fuc <i>Comment Status</i> D	L 20	
Change "rxrx_cnt" to "rf Proposed Response PROPOSED ACCEPT. C/ 190 SC 190.4 Graber, Steffen Comment Type E The PMA Reference dia SuggestedRemedy Change reference from Proposed Response	Response Status W P92 Pepperl+Fuch Comment Status D agram is figure 190-17. figure 190-14 to 190-17. Response Status W	L 16	# 88	EZ	SuggestedRe Remove Table 19 Proposed Re PROPOS C/ 190 Graber, Steff Comment Ty _l Should re SuggestedRe	emedy sentence "Map 0–13." and tab sponse SED ACCEPT. SC 190.4.8.2 fen pe E ead as "+ w(t)". emedy "+ wt)" to "+ w(pping of MDIO status variable e 190-13. <i>Response Status</i> W <i>P</i> 97 Pepperl+Fuc <i>Comment Status</i> D	L 20	# 91

C/ 190 SC 190.4.8.2

C/ 190	SC 190.4.8.2	P97	L 20	# 40		C/ 190	SC 190.6	P103	L 44	# 116
Curran, Pl	hilip	ADI				Zimmerma	an, George	APL Group, A	ADI, Cisco, Marve	ll, Onsemi, Sony
Comment	Type E	Comment Status D			ΕZ	Comment	Туре Т	Comment Status D		New Conten
Missin	ng opening parentl	nesis at "wt)" in equation 190-	8.			Text ne	eeded for 190.6.	Text from clause 146 and 8	02.3da D2p3 can	be adapted.
Suggested	dRemedy					Suggested	Remedy			
Chang	ge to "w(t)".							o 190.6, at P103 L45:		45 The Olever 45
roposed	Response	Response Status W					register	e management interface as s	pecified in Clause	e 45. The Clause 45
PROP	POSED ACCEPT.							are optional. When the MDIC) interface is not i	mplemented,
C/ 190	SC 190.4.9.1	P 98	L 36	# 92		, equiva		for the functions specified in	connection to the	register bits is
Graber, S	teffen	Pepperl+Fuchs	SE			require		D O (/ W		
Comment	51	Comment Status D			ΕZ	Proposed I		Response Status W		
"rem_	rcvr_status" has b	een renamed to "rem_flr_rcvr PMA_REMFLRRXSTATUS".	_status". "PMA	_REMRXSTATUS		PROP	OSED ACCEPT	•		
	dRemedy	IWA_REIWIFLRRASTATUS.				C/ 190	SC 190.6.2	P104	L14	# 117
	•	ıs" to "rem flr rcvr status". C	hande			Zimmerma	an, George	APL Group, /	ADI, Cisco, Marve	ll, Onsemi, Sony
"PMA	_REMRXSTATUS	.request" to "PMA_REMFLRF	XSTATUS.req	uest".		Comment	Туре Т	Comment Status D		New Conter
roposed	Response	Response Status W				Text ne	eeded for LEAD	ER-FOLLOW configuration.	Text from clause	146 can be adapted.
PROP	OSED ACCEPT.					Suggested	Remedy			
C/ 190	SC 190.4.9.3	P101	L19	# 93				o 190.6.2, replacing the edito		e e e marten e e e e la lla la incom
				# 93				assignment for each link cor hch PHY. In 100BASE-T1L, o		
Graber, S		Pepperl+Fuchs	SE		(1	LEADE	ER and one PHY	' should be configured as FO	LLOWER to oper	ate. In the case where
Comment		Comment Status D suggested to add an exit con	dition to "I INK	PHY C	ontroi	both P	HYs are configu	red to be LEADER or both to	be FOLLOWER,	operation is undefined
"SENI	D_IDLE_NOT_RE	EADY" and "PAM3_TUNING" that this should not be implem	state. During th	e following discuss				VER configuration between t d in 98.2.1.2.5 and Table 98		ished using the
short t	time the local rece	iver status could become uns	table, when sw	itching from PAM2	to	Proposed I	Response	Response Status W		
PAM3	modulation. Addi	ng the two exit conditions wou -Negotiation is mandatory, in t	ild result in a ris	sk, that the link sta control state machi	rtup ne	PROP	OSED ACCEPT	•		
would	get stuck in one of	of these states, the AN state m				0/ 400	00 400 = 4 4	D 407	1.00	# 440
		rol state machine.				C/ 190	SC 190.7.1.4		L20	# 118
Suggested	•						an, George	17	ADI, Cisco, Marve	
	e remove exit con 3_TUNING" state.	dition to "LINK_FAIL" from "SI	END_IDLE _NO	DT_READY" state	and	Comment The TC	51	Comment Status D figure is only for shielded link	segments.	Editoria
	Response	Response Status W				Suggested	Remedy			
Proposed							-	190-25 to "100BASE-T1L shi	elded link seamer	
PROF	OSED ACCEPT I					onung	o allo of figuro		ciaca inik seginei	nt ICL"

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalC/190Page 22 of 24COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawnSC190.6/20/2025 9:27:16 AMSORT ORDER: Clause, Subclause, page, lineSC190.190.190.190.

C/ 190	SC 190.7.1.4	P 107	L 22	# 119	C/ 190	SC 190.9	P109	L 48	# 120
Zimmerma	n, George	APL Group, A	DI, Cisco, Marve	ell, Onsemi, Sony	Zimmerma	n, George	APL Group,	ADI, Cisco, Marve	ell, Onsemi, Sony
Comment T	Гуре т Со	omment Status D		Link Segment	Comment 7	Гуре Т	Comment Status D		New Content
	e on unshielded link se ng 100BASE-T1L on c	egments is unspecified category 6 cabling.	There is consid	derable interest in	Need te 146	ext for Environ	mental specifications. Text sh	nould be similar to	0 802.3da and Clause
SuggestedF	Remedy				Suggestedl	Remedy			
The TC Catego the valu (Equati Where Equatic (include Proposed F	CL requirement for unsign ry 6 cabling componen- ues determined using l on 190-4) TCL >= 50- f is the frequency in M on (190-4) is plotted in e plot as Figure 190-26	1Hz; 1 <= f <= 60 Figure 190-26, which i: 6 100BASE-T1L unshie sponse Status W	s specified to alig 1L unshielded lin frequencies from <= f <= 60 s provided for inf	gn with the use of k segment shall meet n 1 MHz to 60 MHz. formation only.	190.9.1 Equipm An exa 61010- any ap 190.9.2 All cab electric routed relevan 190.9.2 This su	mple of an app 1. All equipm plicable local, s 2. Network safe ling and equipp ally secure in a according to a it safety require 2.1 Environment bclause sets fi	ty this clause shall conform to the olication-specific standard pote ent subject to this clause may state, or national standards ty ment subject to this clause is of a professional manner. All 100 ny applicable local, state, or n ements.	entially applicable be additionally re expected to be mo DBASE-T1L cablir ational standards	e to this clause is IEC equired to conform to echanically and ng is expected to be considering all nes related to safety
TFTD.					designe	er is urged to c	consult the relevant local, national with the appropriate requirem	onal, and internati	ional safety regulations
C/ 190	SC 190.7.2.1	P 108	L14	# 94			t to various environmental haz		
Graber, Ste	effen	Pepperl+Fuch	is SE			ar, equipment	used in automotive and indus	trial environments	s can expect to meet
Comment T	Гуре Е Со	omment Status D		Editorial	the potenti	al environment	al stresses with respect to the	eir mounting locat	ion defined for the
The IL2 SuggestedF		ne "dB" unit needs to be	e removed in the	following lines.	applica	tion. Stresses	expected in these environment and specifications.		
IL20MH and ado Proposed R PROPC	Iz < 23" and "IL20MHz d "in dB" at the end of Response Res DSED ACCEPT IN PR		Do the same or).		environ — Envi — Mec — Clim	iment: ironmental load hanical loads: iatic loads: IEC	ations define potential enviror ds: IEC 60529 and ISO 4892 IEC 60068-2-6 and IEC 60066 C 60068-2-1, IEC 60068-2-2, I 68-2-38, IEC 60068-2-52, and	8-2-31 EC 60068-2-14, I	
On pag	je 109, line 13, add "in	dB" after "at 20 MHz"					nt(s) require careful analysis p ental safety requirements.	prior to implement	ation to determine
					A syste and na 190.9.3 The us telepho	em integrating tional codes fo B Telephony vo e of building w ony voltages to	netic compatibility the 100BASE-T1L PHY is exp r electromagnetic compatibilit oltages iring brings with it the possibil a DTE. Other than voice sign 'battery'' and ringing voltages.	y. ity of wiring errors als, the primary v	s that might connect roltages that can be
				T/technical E/editorial G/g SE STATUS: O/open W/wri	eneral		C/ 1 C/ 1 SC 1	90	Page 23 of 24 6/20/2025 9:27:

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Clause, Subclause, page, line

the following maximums generally apply: Battery voltage to a telephone line is generally 56 V dc, applied to the line through a balanced 400 Ω 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 Ω source resistance. The dc component is 56 V dc with 300 Ω to 600 Ω 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.

C/ Keywor	SC	Keywords	P3	1	⊥ 5	# 66	
Graber, Ste	ffen		Peppe	erl+Fuchs SE			
Comment Ty	/pe	Е	Comment Status	D		1	ΕZ
	ı Avo		e two commas after "PLCA" should be		,	vords "Physical Laye at used within this	r

SuggestedRemedy

As per comment.

Proposed Response Response Status W PROPOSED ACCEPT.