					-				
C/ Keywor SC Keywor	ds P3	L 5	# 66		CI 22	SC 22.2.2.4	P23	L 1	# 33
Graber, Steffen	Pepperl+Fuch	s SE			Curran, Pł	nilip	ADI		
Comment Type E	Comment Status A			EZ	Comment	Туре Е	Comment Status A		Editoria
	f the two commas after "Etherr and "PLCA" should be removed					ed proposal to ad	ote states it is a placeholder, d a link-fault signaling state		
SuggestedRemedy					Remo	•			
As per comment.									
Response	Response Status C				Response		Response Status C		
ACCEPT.					Accon	PT IN PRINCIPL nodated by comm PT IN PRINCIPL	nent 107		
C/ 1 SC 1.4	P 20	L35	# 67				P22 L31 and placeholder fig	ure 22-1 on P23	L1 through 27
Graber, Steffen	Pepperl+Fuch	s SE							
Comment Type E	Comment Status A			EZ					
"a octet" should read	as "an octet".								
SuggestedRemedy As per comment.									
Response	Response Status C								
ACCEPT.									
C/ 22 SC 22.2.2.4	P22	L 31	# 107						
Zimmerman, George	APL Group, A	DI, Cisco, Ma	rvell, Onsemi, Sony						
Comment Type E	Comment Status A		Lin	k Fault					
the sequence ordered	agram in clause 46 appears to I sets. The use in clause 22 is I't believe a signaling state diag	different and	doesn't use sequen						
SuggestedRemedy									
Delete editor's note at	t P22 L31								
Response ACCEPT IN PRINCIP	Response Status C PLE.								

Delete editor's note at P22 L31 and placeholder figure 22-1 on P23 L1 through 27

Pa **23** Li **1**

C/ 30	SC 30	P 24	L 2	# 108	C/ 45	SC 45.2.1.1	6.1aa	P 26	L37	# 68	
Zimmerma	n, George	APL Group, /	ADI, Cisco, Mar	vell, Onsemi, Sony	Graber, S	Steffen		Pepperl+Fuc	hs SE		
Comment 7		Comment Status A		Manageme	nt Commer	t Type E	Comme	ent Status A			EZ
		r clause 30. Speciifically add			Bit 1	.18.8 has been c	hanged to bi	t 1.18.9 (as 802.3	8da has already r	eserved bit 1.18.	.8).
		List, 30.5.1.1.2 aMAUType, de NegLocalTechnologyAbility	escription in 30.	5.1.1.4 aMediaAvailable	Suggeste	edRemedy					
Suggested	Remedy							adline and followir eflect changed by			ents).
	e following to t 1.2 aPHYType				Respons	e	Respons	se Status C			
Insert t	he following ne	ew entries in the APPROPRIA	TE SYNTAX se	ection of 30.3.2.1.2 after	ACC	EPT.					
	ry for 100BAS	E-T1: use 190 100 Mb/s PAM3			C/ 45	SC 45.2.1.2	36a.1	P 27	L 40	# 1	
					Curran, F			ADI			
	1.3 aPhyTypel	List ew entries in the APPROPRIA	TE SVNTAY of	action of 30 3 2 1 3 after	Commen		Comme	ent Status A		F	Registers
	ry for 100BAS		ILE STINTAX SE			51		es that the PMA m	nav take many se		•
100BA	SE-T1L Cla	use 190 100 Mb/s PAM3						ode. However, the			
	1.2 aMAUType	e ew entries in the APPROPRIA	TE SYNTAX SE	ection of 30.4.1.1.2 after	Suggeste	edRemedy					
11100111											
	ry for 100BAS	E-T1:			Add	following to note	in 45.2.1.236	6a.1:			
the ent		E-T1: gle balanced pair PHY as spec	ified in Clause			Ū					
the ent 100BA	SE-T1L Sing	gle balanced pair PHY as spec	ified in Clause		"The	data path of the	100BASE-T	1L PMA, dependi		tation, may take i	many
the ent 100BA 30.5.1. Change	SE-T1L Sing 1.4 aMediaAva e the fourth se	gle balanced pair PHY as spec ailable entence of the third paragraph		190	"The seco	data path of the nds to run at opti	100BASE-T mum error ra	1L PMA, dependi atio after exiting fi	rom reset."	tation, may take i	many
the ent 100BA 30.5.1. Change section	SE-T1L Sing 1.4 aMediaAva e the fourth se n of 30.5.1.1.4 a	gle balanced pair PHY as spec ailable entence of the third paragraph as shown:	of the BEHAVIC	190 DUR DEFINED AS	"The seco	data path of the nds to run at opti	100BASE-T mum error ra	1L PMA, dependi	rom reset."	tation, may take I	many
the ent 100BA 30.5.1. Change section For 10I	SE-T1L Sing 1.4 aMediaAva e the fourth se n of 30.5.1.1.4 a	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and	of the BEHAVIC	190 DUR DEFINED AS	"The secc Chai	data path of the nds to run at opti	100BASE-T mum error ra 1.236a.3 to e	1L PMA, dependi atio after exiting fi end in the followir	rom reset."	tation, may take r	many
the ent 100BA 30.5.1. Change section For 100 to the e	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and	of the BEHAVIO	190 DUR DEFINED AS	"The secc Chai " a	data path of the nds to run at opti nge note in 45.2. fter exiting from l	100BASE-T mum error ra 1.236a.3 to e ow-power me	1L PMA, dependi atio after exiting fi end in the followir ode."	rom reset."	tation, may take i	many
the ent 100BA 30.5.1. Change section For 10I to the e (where	SE-T1L Sing 1.4 aMediaAva e the fourth se n of 30.5.1.1.4 BASE-T1Lenumeration "a indicate	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and	of the BEHAVIO	190 DUR DEFINED AS	"The secc Chai " a <i>Respons</i>	data path of the nds to run at opti nge note in 45.2. fter exiting from l	100BASE-T mum error ra 1.236a.3 to e ow-power me	1L PMA, dependi atio after exiting fi end in the followir	rom reset."	tation, may take i	many
the ent 100BA 30.5.1. Chang section For 100 to the e (where 30.6.1. Insert t	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegl the following ne	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE	of the BEHAVIO 100BASE-T1, a d ends)	190 DUR DEFINED AS a link_status of OK maps	"The secc Chai " a <i>Respons</i> ACC	data path of the nds to run at opti nge note in 45.2. fter exiting from l e EPT.	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i>	1L PMA, dependi atio after exiting fi end in the followir ode." se Status C	rom reset." ng:		many
the ent 100BA 30.5.1. Chang- section For 10I to the e (where 30.6.1. Insert t entry fo	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegl the following ne or "10BASE-TF	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD":	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Chai " a <i>Respons</i>	data path of the nds to run at opti nge note in 45.2. fter exiting from le	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i>	1L PMA, dependi atio after exiting fi end in the followir ode."	rom reset."	tation, may take t # <u>69</u>	many
the ent 100BA 30.5.1. Chang section For 10I to the e (where 30.6.1. Insert t entry fo	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegl the following ne or "10BASE-TF	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD": BASE-T1L as specified in Clau	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Char " a <i>Respons</i> ACC <i>CI</i> 45 Graber, S	data path of the nds to run at opti nge note in 45.2. fter exiting from l e EPT. SC 45.2.1.2 Steffen	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i> 36b	1L PMA, dependi atio after exiting fi end in the followir ode." se <i>Status</i> C P28 Pepperl+Fuc	rom reset." ng: <i>L</i> 39		
the ent 100BA 30.5.1. Chang section For 10I to the e (where 30.6.1. Insert t entry fo 100BA <i>Response</i>	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegI the following ne or "10BASE-TF SE-T1L 1001	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD":	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Char " a <i>Respons</i> ACC C/ 45 Graber, S Commer	data path of the nds to run at opti nge note in 45.2. fter exiting from l e EPT. SC 45.2.1.2 Steffen t Type E	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i> 36b Comme	1L PMA, dependi atio after exiting fi end in the followir ode." se Status C P28 Pepperl+Fuc ent Status A	rom reset." ng: <i>L</i> 39		
the ent 100BA 30.5.1. Chang section For 10I to the e (where 30.6.1. Insert t entry fo 100BA	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegI the following ne or "10BASE-TF SE-T1L 1001	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD": BASE-T1L as specified in Clau	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Char " a Respons ACC C/ 45 Graber, S Commen ", LH	data path of the nds to run at opti nge note in 45.2. fter exiting from lie EPT. SC 45.2.1.2 Steffen t Type E I = Latching high'	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i> 36b Comme	1L PMA, dependi atio after exiting fi end in the followir ode." se Status C P28 Pepperl+Fuc ent Status A	rom reset." ng: <i>L</i> 39		
the ent 100BA 30.5.1. Chang section For 10I to the e (where 30.6.1. Insert t entry fo 100BA <i>Response</i>	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegI the following ne or "10BASE-TF SE-T1L 1001	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD": BASE-T1L as specified in Clau	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Char " a Respons ACC C/ 45 Graber, S Commer ", LF Suggeste	data path of the nds to run at opti nge note in 45.2. fter exiting from l e EPT. SC 45.2.1.2 Steffen t Type E = Latching high' edRemedy	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i> 36b Comme	1L PMA, dependi atio after exiting fi end in the followir ode." se Status C P28 Pepperl+Fuc ent Status A	rom reset." ng: <i>L</i> 39		
the ent 100BA 30.5.1. Chang section For 10I to the e (where 30.6.1. Insert t entry fo 100BA <i>Response</i>	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegI the following ne or "10BASE-TF SE-T1L 1001	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD": BASE-T1L as specified in Clau	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Chai " a Respons ACC Cl 45 Graber, S Commer ", LH Suggeste Rem	data path of the nds to run at opti- nge note in 45.2. fter exiting from lie EPT. SC 45.2.1.2 Steffen t Type E I = Latching high' edRemedy ove ", LH = Latch	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i> 36b 36b Comme ' is not neede	1L PMA, dependi atio after exiting fi end in the followir ode." se <i>Status</i> C <i>P</i> 28 Pepperl+Fuc ent <i>Status</i> A ed anymore.	rom reset." ng: <i>L</i> 39		
the ent 100BA 30.5.1. Chang section For 10I to the e (where 30.6.1. Insert t entry fo 100BA <i>Response</i>	SE-T1L Sing 1.4 aMediaAva e the fourth se of 30.5.1.1.4 BASE-T1Lenumeration "a indicate 1.5 aAutoNegI the following ne or "10BASE-TF SE-T1L 1001	gle balanced pair PHY as spec ailable entence of the third paragraph as shown: L>, 100BASE-T1L, and available". es where underline begins and LocalTechnologyAbility ew entries in APPROPRIATE FD": BASE-T1L as specified in Clau	of the BEHAVIO 100BASE-T1, a 1 ends) SYNTAX sectio	190 DUR DEFINED AS a link_status of OK maps	"The secc Char " a Respons ACC CI 45 Graber, S Graber, S Commer ", LH Suggeste Rem	data path of the nds to run at opti- nge note in 45.2. fter exiting from lie EPT. SC 45.2.1.2 Steffen t Type E I = Latching high' edRemedy ove ", LH = Latch	100BASE-T mum error ra 1.236a.3 to e ow-power me <i>Respons</i> 36b 36b Comme ' is not neede	1L PMA, dependi atio after exiting fi end in the followir ode." se Status C P28 Pepperl+Fuc ent Status A	rom reset." ng: <i>L</i> 39		many EZ

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa 28
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 39
SORT ORDER: Page, Line	

Page 2 of 24 6/25/2025 9:39:55 AM

Swap the first and second sentences in the paragraph. Response Response Status C ACCEPT.	C/ 45 SC 45.2.1.	236b.1 P28	L 44	# 2		CI 00	SC 0		P31	L 5	# 64
There is an additional "a" in " supports a an increased". SuggestedRemedy Remove the additional "a". Response Response Status C ACCEPT. Cl 45 SC 45.2.1.236b.3 P 29 L3 # 3 Curran, Philip ADI Comment Status A EZ Curran, Philip ADI Comment Status A EZ The description of how to interpret 1.2301.2 covers the case where it is read as one. EZ Table 45-198b lists the allowed values in the opposite order. SuggestedRemedy Swap the first and second sentences in the paragraph. Response ACCEPT. Cl 45 SC 45.2.3 P 30 L 19 # 1 Cl 45 SC 45.2.3 P 30 L 19 # 1 Case First Menoy Case First Menoy	Curran, Philip	ADI				Curran, Ph	nilip		ADI		
SuggestedRemedy Remove the additional "a". Response Response Status C ACCEPT. CI 45 SC 45.2.1236b.3 P29 L3 # 3 Curran, Philip ADI Ezz Change the text to "The control and management interface". It management interface" is used in anary places in this clause, although this is a dargement. Comment Type E Comment Status A Ezz The description of how to interpret 1.2301.2 covers the case where it is read as one. Ezz The description of how to interpret 1.2301.2 covers the case where it is read as one. SuggestedRemedy Swap the first and second sentences in the paragraph. Ezz SuggestedRemedy Camment Type Comment Type Comment Type Ci 45 SC 45.2.3 P30 L19 # 11 SuggestedRemedy Comment Type Comment Type Comment Type Comment Type Comment Type E Comment Status A Ezz ACCEPT. Page L19 # 11 L3 # 10 SuggestedRemedy C Camment Type Camment Type Camment Type Graber, Steffen Peppert+Fuchs SE Comment Type Comment Ty	Comment Type E	Comment Status A			ΕZ	Comment	Туре	т	Comment Status A		Register
ACCEPT. Cl 45 SC 45.2.1.236b.3 P 29 L 3 # 3 Curran, Philip ADI Change the text to "The control and management interface shall be restored to overation of bit 3.2295.15". Curran, Philip ADI EZ Comment Type E Comment Status EZ Table 45-198b lists the allowed values in the opposite order. EZ Response Response Status C Swap the first and second sentences in the paragraph. Response Status C ACCEPT IN PRINCIPLE. Change text to "The MDIO interface or its equivalent for accessing control and shall be restored to operation within 10 ms from setting of bit 3.2295.15" Cl 45 SC 45.2.3 P 30 L 19 [7] Graber, Steffen PepperI+Fuchs SE Comment Type E Comment Status A Comment Type E Comment Status A EZ "100BASE-T1L Lick partner advertisement" register is now "100BASE-T1L training" register." EZ Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L Link partner training". EZ	SuggestedRemedy Remove the addition	al "a".	ased".			0.5 s f manag and th	from setti gement ii ie Clause	ing of bit nterface" e title is "	3.2295.15" should be chang ' is used in many places in th Management Data Input/Oup	ed to 10 ms. Tl is clause, altho	ne "contorl ['] and bugh it is not defined,
Ci 45 SC 45.2.1.236b.3 P29 L3 # 3 Curran, Philip ADI Comment Type E Comment Status A EZ Comment Type E Comment Status A EZ Alteratively could rephrase it to "The reset process should complete within 10 setting of bit 3.2295.15" Alternatively could rephrase it to "The reset process should complete within 10 setting of bit 3.2295.15" Table 45-198b lists the allowed values in the opposite order. SuggestedRemedy C ACCEPT IN PRINCIPLE. Swap the first and second sentences in the paragraph. Response Response Status C ACCEPT. Ci 45 SC 45.2.3 P30 L19 Ti Ci 45 SC 45.2.3 P30 L19 Ti Ci 45 SC 45.2.3 P30 L19 Ti Comment Type E Comment Status A EZ Comment Type Comment Status A EZ "RS-FEC ability" bit should not be latching high, only read-only. SuggestedRemedy Comment Type E Comment Type E Comment Type E Comment Status A "RS-FEC ability" bit should not be latching high, only read-only. Sugg	•	Response Status C				Suaaestea	dRemedv	,			
followed by the case where it is read as one. Table 45-198b lists the allowed values in the opposite order. SuggestedRemedy Swap the first and second sentences in the paragraph. Response Response Status C ACCEPT. C/ 45 SC 45.2.3 P30 L19 # [1] Graber, Steffen PepperI+Fuchs SE Comment Type E Comment Status A "RS-FEC ability" bit should not be latching high, only read-only. SuggestedRemedy Graber, Steffen PepperI+Fuchs SE Comment Type E Comment Status A "IOBASE-T1L Advertisement" register is now named "100BASE-T1L training" register. "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	C/ 45 SC 45.2.1. Curran, Philip	ADI	L3	# 3	EZ	Chang within Alterna setting	ge the tex 10 ms fr atively co g of bit 3.	kt to "The om settin ould reph 2295.15	ng of bit 3.2295.15". irase it to "The reset process " or "The MDIO interface sha	should comple	te within 10 ms from
Swap the first and second sentences in the paragraph. Response Response Status C ACCEPT. Graber, Steffen Pepperl+Fuchs SE C/ 45 SC 45.2.3 P 30 L 19 T1 Graber, Steffen Pepperl+Fuchs SE Comment Type E Comment Status A Comment Type E Comment Status A EZ Comment Type E Comment Tigister is now named "100BASE-T1L training" register. T100BASE-T1L Link partner advertisement" register is now "100BASE-T1L link partner training" resister. EZ Response Status C SuggestedRemedy Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	followed by the case Table 45-198b lists t	where it is read as one.		it is read as zero fil	rsi	ACCE Chang shall b	PT IN Pl ge text to be restore	"The MI ed to ope	E. DIO interface or its equivalent eration within 10 ms from sett	ing of bit 3.229	5.15"
ACCEPT. Cl ASC 45.2.3 P 30 L 19 T Cl 45 SC 45.2.3 P 30 L 19 # T Graber, Steffen Pepperl+Fuchs SE Ez Comment Type E Comment Status A "100BASE-T1L Advertisement" register is now named "100BASE-T1L training" register. EZ "100BASE-T1L Link partner advertisement" register is now "100BASE-T1L link partner training" register. EZ SuggestedRemedy Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training". EX Comment Type E Comment Status A	Swap the first and se	econd sentences in the paragra	ph.			C/ 45	SC 4	5.2.3.75	b P31	L33	# 72
Cl 45 SC 45.2.3 P 30 L 19 # [1] Graber, Steffen Pepperl+Fuchs SE SuggestedRemedy Comment Type E Comment Status A EZ "100BASE-T1L Advertisement" register is now named "100BASE-T1L training" register. EZ Response Response Status C "100BASE-T1L Link partner advertisement" register is now "100BASE-T1L link partner training" resister. Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	•	Response Status C				Comment	Туре	_	Comment Status A		E
Graber, Steffen Pepperl+Fuchs SE Change "RO/LH" to "RO" and remove "LH = Latching high, " from text line belo Comment Type E Comment Status A EZ "100BASE-T1L Advertisement" register is now named "100BASE-T1L training" register. EZ Response Response Status C "100BASE-T1L Link partner advertisement" register is now "100BASE-T1L link partner training" resister. SuggestedRemedy ACCEPT. ACCEPT. SuggestedRemedy Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	C/ 45 SC 45.2.3	P30	L 19	# 71						, road only.	
Comment Type E Comment Status A EZ Response Response Status C "100BASE-T1L Link partner advertisement" register is now named "100BASE-T1L training" register. T00BASE-T1L Link partner advertisement" register is now "100BASE-T1L link partner training" resister. SuggestedRemedy Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	Graber Steffen	Pepperl+Fuch	ns SF			00			O" and remove "I H = I atchin	a hiah " from t	ext line below table
"100BASE-T1L Advertisement" register is now named "100BASE-T1L training" register. "100BASE-T1L Link partner advertisement" register is now "100BASE-T1L link partner training" resister. SuggestedRemedy Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	,	••			EZ					g ngn, non t	
Change from "100BASE-T1L Advertisement" to "100BASE-T1L training". Change from "100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	"100BASE-T1L Adve "100BASE-T1L Link										
"100BASE-T1L Link partner advertisement" to "100BASE-T1L link partner training".	SuggestedRemedy										
Response Response Status C					I						
· · · · · · · · · · · · · · · · · · ·	Response	Response Status C									

Response

ACCEPT.

Pa 31 Li 33

	SC 45.2.3.750	P32	L 9	# 4	C/ 45	SC 45.2	2.3.75d	P32	L 40	# 6	
Curran, Phil	lip	ADI			Curran, P	hilip		ADI			
Comment T	⁻ уре Е	Comment Status A		Register	Comment	Туре Е	Co	mment Status A			EZ
The follo	lowing sentence	does not make sense here:			The f	ollowing sen	tence is mis	sing a space at "traini	ingregister:		
that the without	e initial state of th management in	ach bit of the 100BASE-T1L le device upon power up or tervention." alues corresponds to a norn	reset is a norm	al operational state	<i>Suggeste</i> Chan	<i>dRemedy</i> ge "trainingr	egister" to "t	T1L link partner trainin training register".	gregister are rea	ad only".	
		·			Response ACCI		Res	ponse Status C			
Furtherr		hould specify how to handle	e bits that corres	spond to abilities that are		_FI.					
SuggestedR	•				C/ 45	SC 45.2	2.3.75d	P 32	L 41	# 73	
	•	vith the following:			Graber, S <i>Commen</i> i		Co	Pepperl+Fuc mment Status A	hs SE		EZ
		supported abilities can be s the desired operational state			"100E	BASE-T1L lii	nk partner tra	ainingregister" should in line 45 the "I" in "Iir			
Response ACCEP		Response Status C				ge "100BAS		artner trainingregister n "link partner" in line		T1L link partner	training
C/ 45	SC 45.2.3.750		L 20	# 5	Response	;	Res	ponse Status C			
Curran, Phil		ADI			ACCI	EPT.					
	E advertisemen	Comment Status A and RS-FEC advertisement at bit positions 15 and 14.	nt bits are show	E n at bit positions 1 and 0	C/ 45	SC 45.2	2.3.75d	P33	L8	# 74	
SuggestedR					Graber, S		6.	Pepperl+Fuc mment Status A	ns SE		EZ
00	Table 45-297c a	as follows:			Comment Bits (• •	llso reserved				EZ
Move E	EE advertiseme	nt from 3.2297.1 to 3.2297.	15		Suggeste	-	13:2" to "3.2	208 13.0"			
	PS EEC advortis	ement from 3.2297.0 to			Response	0		ponse Status C			
Move R		Response Status C			ACCI	EPT.					

Pa **33** Li **8**

CI 78	SC 78.1.4	P35	L6	# 109		CI 78	SC 78.2		P35	L 8	# 111
Zimmerma	an, George	APL Group,	ADI, Cisco, Mar	vell, Onsemi, Sony	y	Zimmerm	an, George		APL Group,	ADI, Cisco, Mar	vell, Onsemi, Sony
Comment need e	51	Comment Status A 78 for 100BASE-T1L			EEE	<i>Comment</i> need	51		<i>nt Status</i> A d content in Tab	le 78-4	EE
Suggested	Remedy					Suggeste	dRemedy				
Insert shown (insert row (a PHY c	the following new	5 L6, after 78.1.4 header: v row after the 100BASE-T1 ses associated with each Pl e row shown: Clause 190		, U		to the "Inser show add T the dr	ו):" able 78-4 - Sun	ng instruction ew row in Tab nmary of LPI t row, and one	, ble 78-4 after ro iming paramete row for 100BAS	rs for supported	1L (unchanged rows not PHYs or interfaces to or interface type
Response ACCE		Response Status C				Response	<i>,</i> ,	Response	e Status C		
CI 78	SC 78.2	P35	L7	# 110			ment Suggeste				
Zimmerma	an, George	APL Group,	ADI, Cisco, Mar	vell, Onsemi, Sony	y		10th paragraph 1 of the PHY fo			the PHY is rea	uested to transmit the
	o add placeholde	Comment Status A	ameters for EE	E in table 78-2.	EEE	Wake 2 of th	signal before to be PHY for 1008	ansmission o BASE-T1L app	f the Sleep sign plies when the F	al to the Link Pa	rtner is complete. Case- d to transmit the Wake
	8.2 LPI mode tim	ing parameters description to the headers, min & max v			ı (and	Show	Case-1 and Ca	se-2 (split rov	v for 100BASE-	T1L)	
Insert not sh	the following new	row in Table 78-2, after the T_s T_q T_r 19.2 211.2 19.2	,	,	d rows	Editor [REV		nform to style	and format of th	ne table	

Response

Response Status **C**

ACCEPT IN PRINCIPLE. Suggested remedy with editorial license.

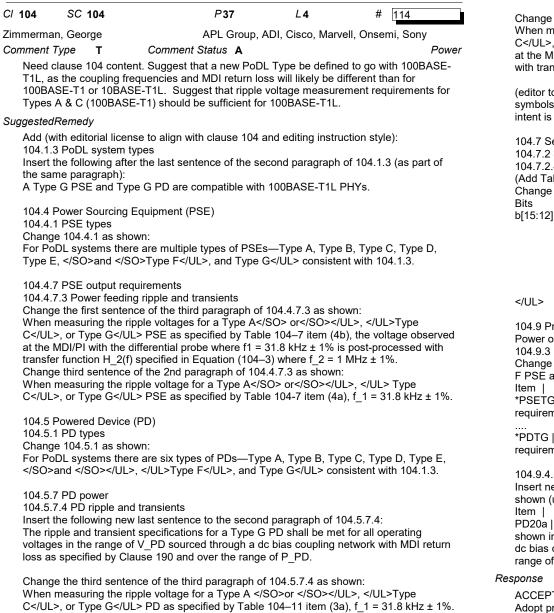
Pa **35** Li **8**

				.						
CI 98	SC 98.5.2	P36	L	# 121	C/ 98	SC 98.2		P 36	L 4	# 112
Zimmern	nan, George	APL Group, A	DI, Cisco, Marvel	l, Onsemi, Sony	Zimmerma	an, George		APL Group,	ADI, Cisco, Marv	ell, Onsemi, Sony
Commen	t Type T	Comment Status A		AutoNeg	Comment	Туре Т	Comment	Status A		AutoNeg
Need	d to add in 85ms li	nk fail inhibit timer per Fitzgei	rald_3dg_01_111	32024.pdf slide 7						g LSM to align with
Suggeste	edRemedy					ice and likely pa	airing with 10BA	SE-T1L in mu	ltimode PHYs	
Add	98.5.2 to the draft	, with definition of link fail inhi	bit timer, and edit	ing instruction:	Suggested	-				
	2 State diagram t				Add th	ne following to the	he draft, after 9	8.2 (where <td>JL> indicates sta</td> <td>rt or stop of underline)</td>	JL> indicates sta	rt or stop of underline)
Char	nge definition for li	nk fail inhibit timer to add 100	BASE-11L as sh	own:	98.2.1	Transmit funct	ion requiremen	ts		
Time spec link_ link_ depe 100E	ific technology linl fail_inhibit_timer_ status=OK state ndent on the sele BASE-T1L, a	nk_status=FAIL indication or k is first being established. A l (HCD] has expired and the lin The expiration time of the link cted PHY type. For all PHY ty and 10BASE-T1S, this timer s	ink will be consid k has still not gor _fail_inhibit_time pes, except 10B/ hall expire 97 ms	ered "failed" only if the ne into the r_[HCD] shall be ASE-T1L, to 98 ms after	Chang For lir 100B/ Negot suppo	ge the 3rd and 4 nk segments wit ASE-T1L, tiation is implem ort LSM and may	th sentences o h high insertion LSM is provide nented, 10BASE	of the last parage loss and thos ed to enable the E-T1L ar oport HSM.	e full reach capal	SE-T1L or
		CHECK state. For a 10BAS			ACCE	PT.				
PHY	, this timer shall e	ntering the AN GOOD CHECk xpire 85 ms after entering the	AN GOOD CHE	CK state. For a	C/ 98	SC 98.5.1		P 36	L 5	# 113
		s timer shall expire 400 ms to	405 ms after ent	ering the AN GOOD	Zimmerma	an, George		APL Group,	ADI, Cisco, Marv	ell, Onsemi, Sony
CHE	CK state.				Comment	Туре Т	Comment	Status A		AutoNeg
98.6 Nego	otiation for Single	ntation conformance stateme Differential-Pair Media	nt (PICS) proform	na for Clause 98, Auto-	Note,		s maintenance	so we don't ha	ave to call out all	lefinition of "power_on" the PHYs - but that's
	.3 Major capabilition		va natahawa) aa	ahaura	Suggested	dRemedy				
Item *100	Feature	after *10T1S (unchanged rov Subclause V 1L PHY type 98.5.2		Status Support O	98.5 E 98.5.1	ne following to the Detailed function State diagram ge the variable p	ns and state dia variables	agrams	ubclauses added	by other comments):
Char	nge table to chang	nd variable definitions e row SD19, and add new ro	w SD 20a after ro	ow SD20 (unchanged			until such time	as the power s	supply for the dev	vice that contains the
rows Item	not shown) as sh I Feature		alua / Comment	Status Support	Auto- Negot	tiation state diac	arams has read	hed the operat	ing region or the	device has low-power
SD1	9 link_fail_inhibi	_timer_[HCD] 98.5.2 Expir !10T1L*!10T1S*!100T1	e 97 to 98 ms aft	er entering the AN	mode set via	a 1000BASE-T1	PMA control re	egister bit 1.23	04.11, the	100BASE-T1L PMA ol register bit 1.2294.11.
		l_inhibit_timer_[HCD] for 100 SOOD CHECK state 100T1L				s: the device is co he device has n				
Respons	e	Response Status C						• •		
	EPT IN PRINCIPI				Response		Response	Status C		
		remedy with editorial license t 06252025.pdf for clean text.	o align. See		ACCE	:PT.				

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: Page, Line

Page 6 of 2	24
6/25/2025	9:39:56 AM

Pa **36** Li **5**



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

(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 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) Change first row of Table 104-13 as shown (unchanged rows not shown): Nama Description R/W

RO

BIts	Name	Desci	ription				F
b[15:12]	Туре	15 14	4 13	12			
		1	1	1	0	= Type A	
		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	

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

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[]

*PDTG | Implements PD Type G functionality | 104.1.3 | Provides support for requirements of Type G Powered Device Equipment | O | Yes[] No[]

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):

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[]

	Response	Response Status C	
	ACCEPT IN PRIN	ICIPLE.	
: ± 1%.	Adopt proposal, w	ith editorial license. See	

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general Pa 37 Page 7 of 24 COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn Li 4 6/25/2025 9:39:56 AM SORT ORDER: Page, Line

C/ 104	SC 104.6.2	P 37	L5	# 115
Zimmerma	an, George	APL Group,	ADI, Cisco, Mar	vell, Onsemi, Sony
Comment	Type E	Comment Status A		Power
Fault	tolerance require	ement requires consideratior	n and is unclear a	at this time.
Suggested	dRemedy			
Worki	ng Group Ballot		,	·
	tolerance require other BASE-T1 F	ement for 100BASE-T1L nee PHYs.	eds to be propose	ed, 10BASE-T1L differed
Response	•	Response Status C		
add 1	PT IN PRINCIP	ıft		
104.6	2 Fault Toleran	ce		
Chang	ge first paragrap	h of 104.6.2 as shown: pe B, Type C, and Type F P	SEs and PDs sha	all meet the fault
Chang The P tolera	ge first paragrap I for Type A, Ty nce requirement	h of 104.6.2 as shown: pe B, Type C, and Type F P s as specified in 96.8.3. The	PI for Type E </th <th>UL>and Type G</th>	UL>and Type G
Chang The P tolera	ge first paragrap I for Type A, Ty nce requirement	h of 104.6.2 as shown: pe B, Type C, and Type F P	PI for Type E </td <td>UL>and Type G</td>	UL>and Type G
Chang The P tolera	ge first paragrap I for Type A, Ty nce requirement	h of 104.6.2 as shown: pe B, Type C, and Type F P s as specified in 96.8.3. The shall meet the fault tolerance	PI for Type E </td <td>UL>and Type G</td>	UL>and Type G
Chang The P tolerat 	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3 .	h of 104.6.2 as shown: pe B, Type C, and Type F P s as specified in 96.8.3. The shall meet the fault tolerance	PI for Type E <br e requirements as	UL>and Type G s specified in 146.8.6.
Chang The P tolerat 	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3. hillip	h of 104.6.2 as shown: pe B, Type C, and Type F P is as specified in 96.8.3. The shall meet the fault tolerance 3 P42	PI for Type E <br e requirements as	UL>and Type G s specified in 146.8.6.
Chang The P tolera C/ 190 Curran, Pl Comment The p	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3. hilip <i>Type</i> T aragraph beginr	h of 104.6.2 as shown: pe B, Type C, and Type F P s as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI	PI for Type E <br e requirements as L1 esh status receiv	UL>and Type G s specified in 146.8.6. # [7 EEE ed" is incorrect. No
Chang The P tolera C/ 190 Curran, Pl Comment The p indica	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3. hilip <i>Type</i> T aragraph beginr tion of low SNR	h of 104.6.2 as shown: pe B, Type C, and Type F P s as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI <i>Comment Status</i> A ning "When the PHY LPI refn	PI for Type E <br e requirements as L1 esh status receiv / is in the LPI trai	UL>and Type G s specified in 146.8.6. # 7 EEE ed" is incorrect. No nsmit mode. In that
Chang The P tolera C/ 190 Curran, Pl Comment The p indica	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3. hillip <i>Type</i> T aragraph beginr tion of low SNR rio the PHY exit	h of 104.6.2 as shown: pe B, Type C, and Type F P s as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI <i>Comment Status</i> A ning "When the PHY LPI refinis transmitted when the PHY	PI for Type E <br e requirements as L1 esh status receiv / is in the LPI trai	UL>and Type G s specified in 146.8.6. # 7 EEE ed" is incorrect. No nsmit mode. In that
Chang The P tolerai C/ 190 Curran, Pl Comment The p indica scena Suggested Propo	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3. hilip <i>Type</i> T aragraph beginr tion of low SNR rio the PHY exit dRemedy	h of 104.6.2 as shown: pe B, Type C, and Type F P is as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI <i>Comment Status</i> A ning "When the PHY LPI refr is transmitted when the PHY s the LPI transmit mode and ete the paragraph. Outlining	PI for Type E <br e requirements as L1 esh status receiv / is in the LPI tran signals low SNR	UL>and Type G s specified in 146.8.6. # 7 EEE ed" is incorrect. No nsmit mode. In that & via the auxiliary bit.
Chang The P tolerai C/ 190 Curran, Pl Comment The p indica scena Suggested Propo	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs SC 190.1.3. hillip <i>Type</i> T aragraph beginr tion of low SNR trio the PHY exit dRemedy use to simply del ed for the overvi	h of 104.6.2 as shown: pe B, Type C, and Type F P is as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI <i>Comment Status</i> A ning "When the PHY LPI refr is transmitted when the PHY s the LPI transmit mode and ete the paragraph. Outlining	PI for Type E <br e requirements as L1 esh status receiv / is in the LPI tran signals low SNR	UL>and Type G s specified in 146.8.6. # 7 EEE ed" is incorrect. No nsmit mode. In that & via the auxiliary bit.
Chang The P toleral Cl 190 Curran, Pl Comment The p indica scena Suggested Propo detaile	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs <i>SC</i> 190.1.3. hilip <i>Type</i> T aragraph beginr tion of low SNR trio the PHY exit <i>dRemedy</i> use to simply del ed for the overvi	h of 104.6.2 as shown: pe B, Type C, and Type F P is as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI <i>Comment Status</i> A ning "When the PHY LPI refm is transmitted when the PHY s the LPI transmit mode and ete the paragraph. Outlining ew.	PI for Type E <br e requirements as L1 esh status receiv / is in the LPI tran signals low SNR	UL>and Type G s specified in 146.8.6. # 7 EEE ed" is incorrect. No nsmit mode. In that & via the auxiliary bit.
Chang The P toleral Cl 190 Curran, Pl Comment The p indica scena Suggested Propo detaile Response	ge first paragrap I for Type A, Ty nce requirement PSEs and PDs <i>SC</i> 190.1.3. hilip <i>Type</i> T aragraph beginr tion of low SNR trio the PHY exit <i>dRemedy</i> use to simply del ed for the overvi	h of 104.6.2 as shown: pe B, Type C, and Type F P is as specified in 96.8.3. The shall meet the fault tolerance 3 P42 ADI <i>Comment Status</i> A ning "When the PHY LPI refm is transmitted when the PHY s the LPI transmit mode and ete the paragraph. Outlining ew.	PI for Type E <br e requirements as L1 esh status receiv / is in the LPI tran signals low SNR	UL>and Type G s specified in 146.8.6. # 7 EEE ed" is incorrect. No nsmit mode. In that & via the auxiliary bit.

C/ 190	SC 1	190.2.2	P44	L 39	# 8	
Curran, Ph	ilip		ADI			
Comment	Туре	E	Comment Status 🗚	A Contraction of the second seco		
			MRXSTATUS has been status has been rena			US and
Suggested	Remedy	V				
		_REMRXS r_status.	STATUS to PMA_REM	IFLRRXSTATUS a	nd change rem_r	cvr_sta
Response			Response Status	;		
ACCE	PT.					
C/ 190	SC 1	190.2.2	P44	L 39	# 75	
Graber, St	offon		Perpert	+Fuchs SE		
Glabel, St	CHEH		геррен			
Comment		Е	Comment Status			
Comment "PMA_ Suggested	Type _REMRX IRemedy	XSTATUS V	Comment Status A S.request" should be "F	A PMA_REMFLRRXS		
Comment "PMA_ Suggested Chang also he	Type _REMRX /Remedy le "PMA	XSTATUS V _REMRX	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly.	A PMA_REMFLRRXS PMA_REMFLRRX		
Comment "PMA_ Suggested Chang	Type _REMRX Remedy e "PMA eading c	XSTATUS V _REMRX	Comment Status A S.request" should be "F STATUS.request" to "I	A PMA_REMFLRRXS PMA_REMFLRRX		
Comment "PMA_ Suggested Chang also he Response	Type _REMRX /Remedy le "PMA eading c	XSTATUS V _REMRX	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly. Response Status C	A PMA_REMFLRRXS PMA_REMFLRRX		
Comment "PMA_ Suggested Chang also ho Response ACCE	Type _REMR) Remedy e "PMA eading c PT. SC 4	KSTATUS / REMRX of clause /	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly. Response Status C 5b.1 P44	A PMA_REMFLRRXS PMA_REMFLRRX C	STATUS.request	
Comment "PMA_ Suggested Chang also he Response ACCE CI 45	Type _REMR) /Remedy le "PMA eading c PT. 	KSTATUS / REMRX of clause /	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly. Response Status C 5b.1 P44	MA_REMFLRRXS	STATUS.request	
Comment "PMA_ Suggested Chang also he Response ACCE C/ 45 Graber, St Comment	Type _REMR) !Remedy e "PMA eading c PT. SC effen Type	XSTATUS Y _REMRX of clause f 15.2.1.236 E	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly. Response Status C 5b.1 P44 Pepperl	MA_REMFLRRXS	STATUS.request	
Comment "PMA_ Suggested Chang also he Response ACCE C/ 45 Graber, St Comment	Type REMRX Remedy e "PMA eading c PT. SC 4 effen Type oports a	KSTATUS REMRX of clause 45.2.1.236 E an increa	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly. Response Status C 5b.1 P44 Pepperl Comment Status A	MA_REMFLRRXS	STATUS.request	
Comment "PMA_ Suggested Chang also he Response ACCE Cl 45 Graber, St Comment In "sup Suggested	Type _REMRX /Remedy le "PMA eading c PT. SC 4 effen Type oports a /Remedy	XSTATUS Y _REMRX of clause 45.2.1.236 E an increa Y	Comment Status A S.request" should be "F STATUS.request" to "I 190.2.2.9 accordingly. Response Status C 5b.1 P44 Pepperl Comment Status A	MA_REMFLRRXS	STATUS.request	
Comment "PMA_ Suggested Chang also he Response ACCE Cl 45 Graber, St Comment In "sup Suggested	Type _REMRX /Remedy le "PMA eading c PT. SC 4 effen Type oports a /Remedy	XSTATUS Y _REMRX of clause 45.2.1.236 E an increa Y	Comment Status A S.request" should be "F STATUS.request" to "f 190.2.2.9 accordingly. Response Status C 5b.1 P44 Pepperl Comment Status A sed" the "a" is too mut	MA_REMFLRRXS	STATUS.request	

Pa **44** Li **44**

C/ 190 SC 190.2.2	2 P45	L18	# 9		C/ 190	SC 190.2.2.9.	1	P 49	L 38	# 77
Curran, Philip	ADI				Graber, Steff	en	F	epperl+Fucl	hs SE	
Comment Type E Dot missing in "PMA	Comment Status A			EZ	Comment Ty "rem_rcv		<i>Comment St</i> ld be "rem_flr_ro			EZ
SuggestedRemedy Insert dot.					SuggestedRe Change '	•	us" to "rem_flr_r	cvr_status".		
Response ACCEPT.	Response Status C				Response ACCEPT		Response Sta	ntus C		
C/ 190 SC 190.2.2	2 P45	L18	# 76		CI 00	SC O		P 49	L38	# 47
Graber, Steffen	Pepperl+Fuch	ns SE	-	-	Curran, Philip	D		DI		
Comment Type E "PMA_REMPHYIDL	Comment Status A Erequest" should be "PMA_RE	MPHYIDLE.req	uest".	EZ	Comment Ty The text		Comment States to the old rem_		parameter name	EZ
SuggestedRemedy Change "PMA_REM	IPHYIDLErequest" to "PMA_RE	MPHYIDLE.rec	quest".		SuggestedRe Change t	2	rem_flr_rcvr_st	atus parame	eter"	
Response ACCEPT.	Response Status C				Response ACCEPT		Response Sta			
C/ 190 SC 190.2.2	2 P45	L 41	# 10		C/ 190	SC 190.2.2.16	6	P 52	L 54	# 78
Curran, Philip	ADI				Graber, Steff	en	F	epperl+Fucl	hs SE	
Comment Type E The word 'PHY' is m double sided arrow.	Comment Status A isplaced in Figure 190-3. It sho	uld be centered	l on the horizontal	EZ	Comment Ty Needs to receive if	be clarified/co	Comment Sta rrected, which f		erates the primitiv	EEE re and which functions
SuggestedRemedy					SuggestedRe	emedy				
Update figure.										conveys to the PCS
Response ACCEPT.	Response Status C				in the LP conveys	I transmit mode to the PMA Tra	e." to: "The para	meter PMA	_PCS_TX_LPI_S nctions informatic	the transmit function is TATUS.request on regarding whether
C/ 190 SC 190.2.2	2.9 P49	L 26	# 11		Response		Response Sta	tus C		
Curran, Philip	ADI						Ξ.			
Comment Type E	Comment Status A			ΕZ			s correcting the			
The heading uses th PMA_REMFLRRXS	e name PMA_REMRXSTATU TATUS.	S which has bee	en changed to		_		ATUS request a			conveys to the PCS
SuggestedRemedy					Transmit	and PMA Rec	eive functions ir			the transmit function is
Change the heading	text to PMA_REMFLRRXSTA	TUS.				I transmit mode			uest conveys to t	he PMA Transmit and
Response ACCEPT.	Response Status C				PMA Red					mit function is in the
	uired ER/editorial required GR/					7/		Pa 52		Page 9 of 24 6/25/2025_9 39:56

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn Li 54 6/25/2025 9:39:56 AM SORT ORDER: Page, Line

		53	L 52	# 12		C/ 190	SC 190.3	P 54	L8	# 79	-
C/ 190 SC 190	.3 Pi	55				0/ 130			-0	10	
Curran, Philip	ADI					Graber, Ste	effen	Pepperl+Fucl	hs SE		
Comment Type T	Comment Status	5 A			PCS	Comment	Туре Т	Comment Status A			EEE
(8N)B/(8N+1)B T	Data Transmission Enabl ransmit state diagram.	e function. This	s is handled b	by the PCS		PMĂ R		so figure 190-17 the (dashed) n to PCS Transmit and PCS R			
SuggestedRemedy							, 0				
Change text to fo	llowing:					Suggested	-				
	er comprises one PCS Re				d		190-4 and 190	MA Receive function to PCS ⁻ 0-17.	I ransmit and P	CS Receive func	ions in
	erating functions. The PC th operating functions are				and	Response		Response Status C			
completion of the	PCS Reset function."						PT IN PRINCIP				
Response	Response Status	C									
ACCEPT IN PRI						C/ 190	SC 190.3	P 54	L13	# 13	
Replace znu para	graph of 190.3 with:					Curran, Ph	ilip	ADI			
						Commont.	Type E	Comment Status A			PCS
"The PCS sublay	er comprises one PCS Re	eset function ar	nd two simult	taneous and		Comment	туре Е				F03
asynchronous op PCS Receive. Bo	er comprises one PCS Re erating functions. The PC th operating functions are	S operating fur	nctions are P	PCS Transmit a	and	There	is no PCS Data	a Transmission Enable functio mit state diagram.	n. This is hand	led by the PCS	FC3
asynchronous op PCS Receive. Bo	erating functions. The PC	S operating fur	nctions are P	PCS Transmit a	and	There	is no PCS Data (8N+1)B Trans	a Transmission Enable functio	n. This is hand	led by the PCS	F 03
asynchronous op PCS Receive. Bo	erating functions. The PC th operating functions are PCS Reset function."	S operating fur started immed	nctions are P	PCS Transmit a	and	There (8N)B/ Suggested	is no PCS Data (8N+1)B Trans <i>Remedy</i>	a Transmission Enable functio		,	r US
asynchronous op PCS Receive. Bo completion of the	erating functions. The PC th operating functions are PCS Reset function." 3 Pe	S operating fur started immed	nctions are P diately after th L8	PCS Transmit a the successful	and	There (8N)B/ Suggested	is no PCS Data (8N+1)B Trans <i>Remedy</i>	a Transmission Enable functio mit state diagram.		,	F C3
asynchronous op PCS Receive. Bo completion of the C/ 190 SC 190	erating functions. The PC th operating functions are PCS Reset function." 3 Pe	S operating fur e started immed 54 perl+Fuchs SE	nctions are P diately after th L8	PCS Transmit a the successful	PCS	There (8N)B/ Suggested Remov	is no PCS Data (8N+1)B Trans <i>Remedy</i>	a Transmission Enable functio mit state diagram. ransmission Enable block fron <i>Response Status</i> C		,	FUS
asynchronous op PCS Receive. Bo completion of the C/ 190 SC 190 Graber, Steffen Comment Type T	erating functions. The PC th operating functions are PCS Reset function." 3 Pepp	S operating fur started immed 54 perl+Fuchs SE S A	nctions are P diately after tl 	PCS Transmit a the successful # 80	PCS	There (8N)B/ Suggested Remov Response ACCEI	is no PCS Data (8N+1)B Trans <i>Remedy</i> ve PCS Data Ti	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE.		,	FUS
asynchronous op PCS Receive. Bo completion of the C/ 190 SC 190 Graber, Steffen Comment Type T	erating functions. The PC th operating functions are PCS Reset function." 3 P Pepp Comment Status	S operating fur started immed 54 perl+Fuchs SE S A	nctions are P diately after tl 	PCS Transmit a the successful # 80	PCS	There (8N)B/ Suggested Remov Response ACCEI	is no PCS Data (8N+1)B Trans <i>Remedy</i> ve PCS Data Ti PT IN PRINCIF	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE.		,	
asynchronous op PCS Receive. Bo completion of the Cl 190 SC 190 Graber, Steffen Comment Type T PCS Data Transr SuggestedRemedy	erating functions. The PC th operating functions are PCS Reset function." 3 P Pepp Comment Status	S operating fun e started immed 54 perl+Fuchs SE 5 A as been integra	nctions are P diately after th <i>L</i> 8 ated in PCS 1	PCS Transmit a the successful # 80	PCS	There (8N)B/ Suggested Remov Response ACCEI Accom	is no PCS Data (8N+1)B Trans <i>Remedy</i> ve PCS Data Tr PT IN PRINCIF lodated by com SC 0	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE. ment 80. <i>P</i> 54	n Figure 190-4.		
asynchronous op PCS Receive. Bo completion of the Cl 190 SC 190 Graber, Steffen Comment Type T PCS Data Transr SuggestedRemedy Remove block "P	erating functions. The PC th operating functions are PCS Reset function." 3 Pep Comment Status nission Enable function h	S operating fun e started immed 54 perl+Fuchs SE 5 A as been integra	nctions are P diately after th <i>L</i> 8 ated in PCS 1	PCS Transmit a the successful # 80	PCS	There (8N)B/ Suggested Remov Response ACCEI Accom C/ 00 Curran, Ph	is no PCS Data (8N+1)B Trans <i>Remedy</i> ve PCS Data Tr PT IN PRINCIF iodated by com SC 0 illip	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE. ment 80. <i>P</i> 54 ADI	n Figure 190-4.		
asynchronous op PCS Receive. Bo completion of the Cl 190 SC 190 Graber, Steffen Comment Type T PCS Data Transr SuggestedRemedy Remove block "P	erating functions. The PC th operating functions are PCS Reset function." .3 Pep Comment Status nission Enable function has CS Data Transmission En	S operating fun e started immed 54 berl+Fuchs SE 5 A as been integra nable" from figu	nctions are P diately after th <i>L</i> 8 ated in PCS 1	PCS Transmit a the successful # 80	PCS	There (8N)B/ Suggested Remov Response ACCEI Accom C/ 00 Curran, Ph Comment	is no PCS Data (8N+1)B Trans <i>Remedy</i> ve PCS Data Tr PT IN PRINCIF iodated by com SC 0 illip <i>Type</i> E	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE. ment 80. <i>P</i> 54 ADI <i>Comment Status</i> A	n Figure 190-4.	# 48	EZ
asynchronous op PCS Receive. Bo completion of the Cl 190 SC 190 Graber, Steffen Comment Type T PCS Data Transr SuggestedRemedy Remove block "P TX_EN directly w	erating functions. The PC th operating functions are PCS Reset function." 3 Pep Comment Status nission Enable function he CS Data Transmission En th the PCS Transmit func Response Status	S operating fun e started immed 54 berl+Fuchs SE 5 A as been integra nable" from figu	nctions are P diately after th <i>L</i> 8 ated in PCS 1	PCS Transmit a the successful # 80	PCS	There (8N)B/ Suggested Remov Response ACCEI Accom C/ 00 Curran, Ph Comment rem_rc	is no PCS Data (8N+1)B Trans <i>Remedy</i> ve PCS Data Tr PT IN PRINCIF lodated by com <i>SC</i> 0 illip <i>Type</i> E cvr_status has I	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE. ment 80. <i>P</i> 54 ADI	n Figure 190-4.	# 48	
asynchronous op PCS Receive. Bo completion of the Cl 190 SC 190 Graber, Steffen Comment Type T PCS Data Transr SuggestedRemedy Remove block "P TX_EN directly w Response ACCEPT IN PRII Remove block "P	erating functions. The PC th operating functions are PCS Reset function." 3 Pep Comment Status nission Enable function he CS Data Transmission En th the PCS Transmit func Response Status	S operating fun e started immed 54 berl+Fuchs SE 5 A as been integra nable" from figu ction block. 5 C nable" from figu	nctions are P diately after th <i>L</i> 8 ated in PCS 1 ure 190-4 and	2CS Transmit a the successful # 80 Transmit funct d connect TX_	PCS ion. ER and	There (8N)B/ Suggested Remov Response ACCEI Accom C/ 00 Curran, Ph Comment rem_rc Suggested Renam	is no PCS Data (8N+1)B Trans Remedy ve PCS Data Tr PT IN PRINCIF todated by com SC 0 SC 0 illip Type E cvr_status has I Remedy	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE. ment 80. <i>P</i> 54 ADI <i>Comment Status</i> A been renamed rem_flr_rcvr_st atus to rem_flr_rcvr_status, add	n Figure 190-4. <i>L</i> 30 tatus, eee_low_	# 48snr is missing	EZ
asynchronous op PCS Receive. Bo completion of the Cl 190 SC 190 Graber, Steffen Comment Type T PCS Data Transr SuggestedRemedy Remove block "P TX_EN directly w Response ACCEPT IN PRII Remove block "P TX_EN directly w	erating functions. The PC th operating functions are PCS Reset function." 3 Pep Comment Status nission Enable function h CS Data Transmission En th the PCS Transmit func Response Status ICIPLE. CS Data Transmission En	S operating fun e started immed 54 berl+Fuchs SE s A as been integra hable" from figu- tion block. c C hable" from figu- ction block.	nctions are P diately after th <i>L</i> 8 ated in PCS 1 ure 190-4 and	2CS Transmit a the successful # 80 Transmit funct d connect TX_	PCS ion. ER and	There (8N)B/ Suggested Remov Response ACCEI Accom C/ 00 Curran, Ph Comment rem_rc Suggested Renam	is no PCS Data (8N+1)B Trans Remedy ve PCS Data Tr PT IN PRINCIF codated by com SC 0 illip Type E cvr_status has I Remedy ne rem_rcvr_sta	a Transmission Enable functio mit state diagram. ransmission Enable block from <i>Response Status</i> C PLE. ment 80. <i>P</i> 54 ADI <i>Comment Status</i> A been renamed rem_flr_rcvr_st atus to rem_flr_rcvr_status, add	n Figure 190-4. <i>L</i> 30 tatus, eee_low_	# 48snr is missing	EZ

Page 10 of 24 6/25/2025 9:39:56 AM

C/ 190 SC 190.3	P 54	L 30	# 81		C/ 190 S	C 190.3.2	P 55	L6	# 82	
Graber, Steffen	Pepperl+Fuch	ns SE			Graber, Steffe	ו	Pepperl+Fuch	is SE		
Comment Type E	Comment Status A			ΕZ	Comment Type	ε	Comment Status A			EZ
"rem_rcvr_status" ha	as been changed to "rem_flr_rc	vr_status".			The Trans	mit State Dia	agram should be referenced.			
SuggestedRemedy Change "rem_rcvr_s	status" to "rem_flr_rcvr_status".	Do the same in :	figure 190-17.		<i>SuggestedRer</i> Change "F	-	1" to "Figure 190-12".			
Response ACCEPT.	Response Status C				Response ACCEPT.		Response Status C			
C/ 00 SC 0	P 54	L 49,50	# 49		C/ 00 S	SC 0	P 55	L 29	# 51	
Curran, Philip	ADI		-		Curran, Philip		ADI			-
Comment Type T	Comment Status A			Editorial	Comment Type	ε	Comment Status A			ΕZ
10 ms from setting c 45.2.3.75a.1, where	control and management interf of bit 3.2295.15" should be remo the defined time is 0.5 s, which	oved. That is alre	ady defined in C	lause	190.5.4.x	,		ed, looks incorr		
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy	of bit 3.2295.15" should be remo	oved. That is alre i is in contradictio	eady defined in C on with the value	lause	190.5.4.x (SuggestedRer	nedy	cified in 190.5.4.x" Response Status C			
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit	oved. That is alre i is in contradictio	eady defined in C on with the value	lause	190.5.4.x (SuggestedRer Change te Response ACCEPT.	nedy		L36	# 52	
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT.	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C	oved. That is alre	eady defined in C on with the value n 45.2.3.75a.1	lause	190.5.4.x (SuggestedRer Change te Response ACCEPT.	nedy xt to " spe	Response Status C		# 52	
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT. C/ 00 SC 0	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C <i>P</i> 55	oved. That is alre i is in contradictio	eady defined in C on with the value	lause	190.5.4.x (SuggestedRer Change te Response ACCEPT. C/ 00 S	nedy xt to " spe	Response Status C		# 52	EZ
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT. C/ 00 SC 0 Curran, Philip	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C <i>P</i> 55 ADI	oved. That is alre	eady defined in C on with the value n 45.2.3.75a.1	Clause in this	190.5.4.x (SuggestedRer Change te Response ACCEPT. C/ 00 S Curran, Philip Comment Type	nedy xt to " spe CC 0	Response Status C P 58 ADI	L 36		EZ
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT. C/ 00 SC 0 Curran, Philip Comment Type E	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C <i>P</i> 55 ADI <i>Comment Status</i> A	oved. That is alre n is in contradiction th the definition in <i>L</i> 6	ady defined in C on with the value n 45.2.3.75a.1 # <u>50</u>	lause	190.5.4.x (SuggestedRer Change te Response ACCEPT. C/ 00 S Curran, Philip Comment Type	nedy xt to " spe C 0 E E 1 header sh	Response Status C P58 ADI Comment Status A	L 36		EZ
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT. C/ 00 SC 0 Curran, Philip Comment Type E Reference to Figure	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C <i>P</i> 55 ADI	oved. That is alre n is in contradiction th the definition in <i>L</i> 6	ady defined in C on with the value n 45.2.3.75a.1 # <u>50</u>	Clause in this	190.5.4.x of SuggestedRer Change te Response ACCEPT. C/ 00 S Curran, Philip Comment Type Table 190 SuggestedRer	nedy xt to " spe C 0 E E 1 header sh nedy	Response Status C P58 ADI Comment Status A nows tx_enable and tx_error w	L 36 hich are not de	fined.	EZ
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT. C/ 00 SC 0 Curran, Philip Comment Type E Reference to Figure SuggestedRemedy	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C <i>P</i> 55 ADI <i>Comment Status</i> A 190-11 is incorrect. I believe it	oved. That is alre n is in contradiction th the definition in <i>L</i> 6 should be Figure	# 50 # 190-12	Clause in this	190.5.4.x (SuggestedRer Change te Response ACCEPT. C/ 00 S Curran, Philip Comment Type Table 190 SuggestedRer Rename "	nedy xt to " spe C 0 E E 1 header sh nedy	Response Status C P58 ADI Comment Status A	L 36 hich are not de	fined.	EZ
10 ms from setting of 45.2.3.75a.1, where paragraph. SuggestedRemedy Remove this paragra Response ACCEPT. Cl 00 SC 0 Curran, Philip Comment Type E Reference to Figure SuggestedRemedy	of bit 3.2295.15" should be remo the defined time is 0.5 s, which aph to avoid inconsistencies wit <i>Response Status</i> C <i>P</i> 55 ADI <i>Comment Status</i> A	oved. That is alre n is in contradiction th the definition in <i>L</i> 6 should be Figure	# 50 # 190-12	Clause in this	190.5.4.x (SuggestedRer Change te Response ACCEPT. C/ 00 S Curran, Philip Comment Type Table 190 SuggestedRer Rename "	nedy xt to " spe C 0 E E 1 header sh nedy x_enable" a	Response Status C P58 ADI Comment Status A nows tx_enable and tx_error w	L 36 hich are not de	fined.	EZ

Pa **58** Li **36**

C/ 190	SC 190.3.2.4	P 58	L 36	# 83		C/ 00 SC 0	P 60	L20	# 53
Graber, Steff	en	Pepperl+Fuchs	SE			Curran, Philip	ADI		
	Data Transmis	Comment Status A sion Enable State diagram h	as been remo	ved. Thus variable	PCS s	Comment Type E TS is '—', and shoul	Comment Status A		Editorial
_	—	re no more generated.				SuggestedRemedy			
SuggestedRe In Table	•	tx_enable" to "TX_EN" and "t	x_error" to "T	X_ER".		!(!(Previous transfer	TS from — to 1. Alternatively = I)*(Odd transfer = DAT)*(Ev		
Response		Response Status C				and removed from the			
ACCEPT						Response ACCEPT IN PRINC	Response Status C		
C/ 190	SC 190.3.2.4	P60	L15	# 14		Change the value of			
Curran, Philip		ADI				C/ 190 SC 190.3.	2.4 P60	L 43	# 16
Comment Typ		Comment Status A			EZ	Curran, Philip	ADI		
	,	mbol /Q/ which should be /R/				Comment Type T	Comment Status A		Editorial
SuggestedRe Change /	emedy Q/ to /R/ in Tab	le 190-2.				This is misleading a	iated with the symbol /l/ is "No s it suggests that Normal Inter- Γ_OK. This is not the case.		
Response		Response Status C				SuggestedRemedy			
ACCEPT	•						n for /l/ to "Normal Inter-Frame	, "	
C/ 190	SC 190.3.2.4	P60	L16	# 84		Response	Response Status C		
Graber, Steff	en	Pepperl+Fuchs	SE			ACCEPT.			
Comment Typ "IDL" is d		Comment Status A			EZ	C/ 190 SC 190.3.	2.4 <i>P</i> 60	L 49	# 17
SuggestedRe Change '	emedy 'IDLIDL" to "IDI	<u>"</u> .				Curran, Philip Comment Type E	ADI Comment Status A		EZ
Response		Response Status C				The symbol for Asse	ert Remote Fault is incorrectly	name /RI/.	
ACCEPT						SuggestedRemedy Change /RI/ to /R/.			
C/ 190	SC 190.3.2.4	P60	L16	# 15		Response	Response Status C		
Curran, Philip)	ADI				ACCEPT.			
Comment Ty The ever		<i>Comment Status</i> A ory is specified as "IDLIDL".			EZ				
SuggestedRe Change '	emedy 'IDLIDL" to "IDI	"							
Response		Response Status C							

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

Li **49**

C/ 190 SC 190.	3.2.4	P62	L37	# 18		C/ 00	SC O	P71	L 42	# 54	
Curran, Philip		ADI				Curran, Ph	iilip	ADI			
Comment Type E The indentation of line 39.		ent Status A s incorrect. It shou	ld align with the '	"else:" that follows a	EZ at	Comment Refere		Comment Status A 0-10 is incorrect, it should b	e Table 190-9		EZ
SuggestedRemedy Fix indentation by	adding spaces	before the if				Suggested Chang	<i>Remedy</i> je text to "Table 1	90-9"			
Response ACCEPT.		se Status C				Response ACCE	PT.	Response Status C			
	3.2.11	P 69	L8	# 19		C/ 00	SC O	P72	L 4	# 55	
Curran, Philip Comment Type E It would be better correctly.		ADI ent Status A vidth font for the 6-	tuples so that th	e symbols line up	EZ	Suggested	Type E ence to 190.3.7 is IRemedy	ADI Comment Status A incorrect, it should be 190	.3.6		EZ
SuggestedRemedy						-	e text to "as deci				
Change font in Ta		.				Response ACCE	PT	Response Status C			
Response ACCEPT.	Respon	se Status C				C/ 190	SC 190.3.2.1	2 P72	L33	# 86	
C/ 190 SC 190.	3.2.12	P71	L 41	# 85		Graber, St	effen	Pepperl+Fu			
Graber, Steffen Comment Type E		Pepperl+Fucl ent Status A			EZ	Comment	Type E	Comment Status A is 32 * 2.4 µs = 76.8 µs, 44		unts is 105.6 µs.	EEE
"." after "Table 19						Suggested	Remedy				
SuggestedRemedy						Chang	je "76.8s" to "76.8	8 μs" and "105.6s" to "105.	6 µs".		
	d of the sentenc	e. Also add a dot	at the end of the	sentence on page	72,		PT IN PRINCIPL				
Response	Respon	se Status C				Accon	nodated by comm				
ACCEPT.						C/ 190	SC 190.3.3	P 72	L 42	# 87	
						Graber, St <i>Comment</i> The R	Туре Е	Pepperl+Fu <i>Comment Status</i> A ram is split into Figure 190		0-15.	EZ
						Suggested Chang		" to "Figure 190-14 and Fig	gure 190-15".		
						Response ACCE	PT.	Response Status C			
TYPE: TR/technical re	equired ER/edit	orial required GR	/general required	d T/technical E/edit	torial G/g	general		Pa	72	Page 13	of 24

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn Li 42 6/25/2025 9:39:56 AM SORT ORDER: Page, Line

C/ 190	SC 190.3.2.12	P72	L33, 36	# 20)	C/ 190	SC	190.3.4.2.4	P77	L 29	# 23	
urran, Ph	lip	ADI				Curran, Ph	lip		ADI			
omment	Гуре Е	Comment Status A			EZ	Comment	Гуре	Е	Comment Status A			EZ
	ike time values a ed to be in secon	re 76.8 us and 105.6 us. Cu ds.	rrently the values	are incorre	ectly			Ũ	er bits are specified incorre	ctly.		
iggested						Suggested		-				
••	•	is and change 105.6 s to 10	5.6 us.						dvertisement register bits 3 3.2297.14 and 3.2297.15".	3.2282.0 and 3.2	282.1" to "100!	BASE-
esponse		Response Status C				Response			Response Status C			
ACCE	PT.					ACCE	PT.					
190	SC 190.3.4.2	P75	L 21	# 21		C/ 190	SC	190.3.4.2.4	P 77	L 31	# 24	
rran, Ph	lip	ADI				Curran, Ph	lip		ADI			
omment	Гуре Е	Comment Status A			EZ	Comment	Гуре	Е	Comment Status A			Registers
The ab	breviation PFC s	hould be introduced in the te	ext rather than in	the figure.		The lin	k partn	er advertise	ment register bits are spec	ified incorrectly.		
ggested	Remedy					Suggested	Remed	'y				
"	e " among the	partial frame count," to ".	among the part	ial frame co	ount (PFC),	Chang	e sente	ence as follo	WS:			
sponse ACCEI	РТ.	Response Status C					apabilit		artner training register bits unicated by the link partne			
190	SC 190.3.4.2	P75	L 24	# 22)	Response	,		Response Status C			
								RINCIPLE.				
urran, Ph o <i>mment</i> :	•	ADI Comment Status A			EZ	· ·			4 so the reference needs t	o change)		
	51	es the abbreviation PCS rates	ther than PEC		EZ	Change	e sente	ence as follo	ws.			
0									artner training register bits			
<i>uggested.</i> Chang	-	Count (PCS)" to "Partial Fra	me Count (PFC)"			PHY ca Figure	•		unicated by the link partne	r through the red	ceived InfoField	l (see
sponse		Response Status C				C/ 00	SC	0	P77	L 40	# 56	
ACCE	PT.					Curran, Ph	lip		ADI			
190	SC 190.3.4.2	P76	L18	# 95	5	Comment 7	Гуре	Е	Comment Status A			EZ
hor Ct	ffor	Pepperl+Fuch				"The C	RC16	polynomial (x + 1)(x15 + x + 1) " should	l use superscrip	ts for the expon	ients
aber, Ste <i>mment</i> :		Comment Status A	15 JE		EZ	Suggested	Remed	'y				
	51	nd of the line should be a no	ormal bracket.					s may not sł + 1)(x15 + x	now up correctly in Excel or (+ 1)"	nline. Change th	e text to "The C	CRC16
ggested	Remedy					Response		<i>,</i> , , , , , , , , , , , , , , , , , ,	Response Status C			
Chang	e "]" to ")" at the e	end of the line. Do this also	in lines 23 and 30			ACCE	РΤ					
sponse		Response Status C				AUULI	••					
ACCEI	PT.	,										
PE: TR/	echnical required	d ER/editorial required GR/	general required	T/technical	E/editorial G/	general			Pa 77		Page 1	4 of 24
MMEN	•	patched A/accepted R/reje	• •			0	Z/with	ndrawn	Li 40)25 9:39:5

C/ 190 SC	190.3.4.3	P78	L 26	#	25		C/ 190	SC 190.3	.6 P79)	L 46	# 96	
	E etter to use	ADI Comment Status A a fixed width font for the 6-tu	uples so that th	e symbol	s line up	EZ	Graber, Ste <i>Comment</i> Should		Comment Status	erl+Fuchs A	SE		EZ
correctly. SuggestedRemed Change font	•	D-8.					0	<i>Remedy</i> e "use" to "us		•			
Response ACCEPT.		Response Status C					Response ACCE	PT.	Response Status	C			
	190.3.4.3	P 79	L8	#	26		C/ 190	SC 190.3	.6 P80)	L14	# 28	
Curran, Philip Comment Type	т	ADI Comment Status A			Edi	<i>torial</i> al.	Ũ	<i>Туре</i> Т 190-11 does	ADI <i>Comment Status</i> not match the adopted				EEE
SuggestedRemed Modify in acc Curran_3dg_ I am not able	dy cordance wit _01a_012020 e to copy the	h adopted proposal. See slid 025.pdf from the January me	de 13 of eeting in Phoer	ix.				in accordance May meeti	ce with adopted proposal ng in New Orleans. <i>Response Status</i>		e 21 of Curran	1_3dg_01_0513	2025.pdf
presentation.		Desmana Status					C/ 190	SC 190.3	.6 280)	L31	# 97	
	uggested rer	Response Status C medy with editorial license. ith Philip and Steffen)					Graber, Sto <i>Comment</i> Table	Туре Е	Peppe <i>Comment Status</i> renced on page 79, line 4		SE		EZ
C/ 190 SC Curran, Philip	190.3.5	Р 79 АDI	L 34	#	27		Suggested Remov	<i>Remedy</i> ve editorial no	ote.				
Comment Type Clause 190 v	E vill handle ha	Comment Status A andle all test modes in 190.5	5.			EZ	Response ACCE	PT.	Response Status	С			
SuggestedRemed Remove hea	-	5.					C/ 190	SC 190.3	.6 <i>P</i> 80)	L 36	# 29	
Response ACCEPT.	0	Response Status C					Curran, Ph <i>Comment</i> Table	Туре Т	ADI <i>Comment Status</i> ot match the adopted pro				EEE
								in accordance	ce with adopted proposal ng in New Orleans.	. See slide	e 22 of Curran	1_3dg_01_0513	2025.pdf
							Response ACCE	-	Response Status	С			
	TUS: D/disp	ER/editorial required GR/g atched A/accepted R/rejec						Z/withdrawi	n	Pa 80 Li 36		.,	15 of 24 025 9:39:56 A

C/ 190 SC 190.3.6.1	P81	L	# 99		C/ 190	SC 190.3.6	.2 <i>P</i> 81	L 41	# 31	
Graber, Steffen	Pepperl+Fuch	is SE			Curran, Phi	lip	ADI			
Comment Type E	Comment Status A			ΕZ	Comment T	<i>уре</i> т	Comment Status A			EEE
"tx_refresh_active=true (2 spaces added).	" should be "tx_refresh_activ	e = true" to alig	n with the following	g lines	The set	ntence describ	ping quiet period signaling does	s not match the a	adopted proposal.	
SuggestedRemedy					Suggested	Remedy				
	tive=true" to "tx_refresh_activ	ve = true" Do ti	he same in table 10	00-11	Change	e the sentence	e:			
Response	Response Status C			JO-11.			, the PCS transmitter passes z \TA.request primitive."	ero data encode	ed symbols to the F	РΜΑ
ACCEPT.					via tre		TA.request primitive.			
C/ 190 SC 190.3.6.1	P81	L12	# 98		to the fe	ollowing:				
Graber, Steffen	Pepperl+Fuch	is SE					od the PCS transmitter shall pa uest primitive."	ass zeros to the	PMA via the	
Comment Type E "of" is missing.	Comment Status A			EZ	Response		Response Status C			
-					ACCEF	PT.				
SuggestedRemedy Change " beginning a	any" to " beginning of ar	וץ". Do the s	ame in line 13.		C/ 00	SC O	P81	L 48	# 57	
Response	Response Status C				Curran, Phi	lip	ADI			
ACCEPT.	,				Comment 7	уре Е	Comment Status A			E
C/ 190 SC 190.3.6.1	P81	L13	# 30				setting all of the bits of each to zero" would be clearer with			S
Curran, Philip	ADI				Suggested	Remedy				
Comment Type E	Comment Status A			ΕZ	Change	e the text to "	., which is shown in Figure 190	-5, to zero"		
Missing "of" in "… at the multiple".	∍ beginning any				Response	·-	Response Status C			
SuggestedRemedy					ACCEF	1 .				
Change to " at the be	ginning of any				C/ 00	SC O	P82	L 46, 49	# 58	
multiple".					Curran, Phi	lip	ADI			
Response	Response Status C				Comment T	уре Т	Comment Status A			EZ
ACCEPT.					as "The	e set of charac	The set of characters that may sters that may occur within a pa ets, and /Sp/, /Su/ and /Tu/ car	cket". Strictly th	at is not correct. /T	_
					Suggested	Remedy				
							ge 82 "The set of characters the emove text "The set of characters"			"
					Response		Response Status C			

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	Pa 82
	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 46, 49
SORT ORDER: Page, Line		

Page 16 of 24 6/25/2025 9:39:56 AM

C/ 00 SC 0	P83	L 41	# 59		C/ 190 SC 1	90.3.7.1.2	P84	L12	# 34	
Curran, Philip	ADI				Curran, Philip		ADI			
Comment Type E	Comment Status A			ΕZ	Comment Type		ment Status A			E.
tx_mii<2N - 1><0:5> sl	hould be tx_mii<0:(2N - 1)><0	J:5>			Typo at "wheth	er to SNR".				
SuggestedRemedy					SuggestedRemedy	,				
Change the variable na	ame to "tx_mii<0:(2N - 1)><0	:5>"			Change to "wh	ether the SNR".				
Response	Response Status C				Response	Respo	onse Status C			
ACCEPT.					ACCEPT.					
C/ 190 SC 190.3.7.1	.2 P83	L 41	# 100		C/ 190 SC 1	90.3.7.1.2	P84	L12	# 102	
Graber, Steffen	Pepperl+Fuch	ns SE		<u> </u>	Graber, Steffen		Pepperl+Fucl	ns SE	<u></u>	
Comment Type E In "tx_mii<2N - 1><0:5	Comment Status A	first array dimen	sion is missing.	EZ	Comment Type The SNR of the	E Com	ment Status A meant.			E.
SuggestedRemedy					SuggestedRemedy	,				
Change "tx_mii<2N - 1	><0:5>" to "tx_mii<0:(2N - 1)	><0:5>".			Change "to SN	R" to "the SNR".				
Response	Response Status C				Response	Resp	onse Status C			
ACCEPT.					ACCEPT.	,				
C/ 190 SC 190.3.7.1	.2 P83	<i>L</i> 31, 39	# 32		C/ 190 SC 1	90.3.7.1.2	P 84	L17	# 35	
Curran, Philip	ADI				Curran, Philip		ADI			
Comment Type E	Comment Status A			ΕZ	Comment Type	E Com	ment Status A			E
The definition of rx_chapter preceded by and follow	ar and tx_coded refer to "(8N ved by spaces.)B/(8N+1)B". Els	ewhere the + sym	ibol is		is missing in the X_LPI_STATUS'	name of the primitiv '.	e with base nam	le	
SuggestedRemedy					SuggestedRemedy	,				
Change to "(8N)B/(8N	+ 1)B".				Add ".request"					
Response	Response Status C				Response	Respo	onse Status C			
ACCEPT.					ACCEPT.					
C/ 190 SC 190.3.7.1	.2 P84	L3	# 101		C/ 190 SC 1	90.3.7.1.2	P84	L 43	# 36	
Graber, Steffen	Pepperl+Fuch	ns SE			Curran, Philip		ADI			
	Comment Status A			ΕZ	Comment Type	E Com	ment Status A			E
		100.15			Alert signaling	is not listed in th	e text "sleep, quiet-r	efresh, or wake s	signaling".	
Comment Type E	T states are shown in Figure	9 190-15.								
Comment Type E RX_LPI and RX_ALER	T states are shown in Figure:	9 190-15.			SuggestedRemedy	,				
Comment Type E RX_LPI and RX_ALER SuggestedRemedy	T states are shown in Figure to Figure 190-15. Do the sar		nce on page 86, lir	ne 28.			, alert, or wake signa	aling".		
Comment Type E RX_LPI and RX_ALER SuggestedRemedy	-		nce on page 86, liı	ne 28.		ep, quiet-refresh	, alert, or wake signa onse Status C	aling".		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa 84Page 17 of 24COMMENT STATUS: D/dispatched A/accepted R/rejectedRESPONSE STATUS: O/open W/written C/closed Z/withdrawnLi 436/25/2025 9:39:56 AMSORT ORDER: Page, Line

CI 00 SC 0 P85	L 8	# 60		C/ 190	SC 190.3.7.1	.5	P86	L15	# 38	
Curran, Philip ADI				Curran, Phi	ilip		ADI			
Comment Type E Comment Status A			EZ	Comment T	Гуре Е	Comment S	Status A			ΕZ
The reference to 190.3.2.11 is incorrect									d when EEE is er	
SuggestedRemedy				for the l	link. This is inco	prrect. These co	ounters are re	quired when RS-	FEC is enabled for	or the
Change text to "described in 190.3.2.12"				SuggestedF	Remedy					
Response Response Status C				00	he following bef	ore line 15 (bef	ore the definit	ion of rfer cnt).		
ACCEPT.					Ū	,		_ /		
	L22	# 103		"The fo	llowing counter	s are required w	hen RS-FEC	is enabled for th	e link."	
		# 103		A knocl	k-on effect is th	at at line 10 the	word "counte	ers" needs to cha	nge to "counter".	
Graber, Steffen Pepperl+Fuchs	SE			Response		Response S	tatus C			
Comment Type E Comment Status A "rf valid" variable name is used in state machines.			EZ	ACCEF	PT.	·				
-							D.0=	1.00	"	
SuggestedRemedy				C/ 190	SC 190.3.7.2		P87	L39	# 39	
Change "rf_valide" to "rf_valid".				Curran, Phi	•		ADI			
Response Response Status C				Comment T		Comment S			lai antinall	EZ
ACCEPT.							viii is incorrec	tly shown as "tx_	_pi_active .	
C/ 190 SC 190.3.7.1.2 P85	L22	# 37		Suggested	-					
Curran, Philip ADI				•	e condition to "!					
Comment Type E Comment Status A			EZ	Response		Response S	tatus C			
Typo in the variable name "rf_valide".				ACCEF	7 1.					
SuggestedRemedy				C/ 190	SC 190.3.7.2	2	P 89	L1	# 104	
Change to "rf_valid".				Graber, Ste	effen		Pepperl+Fucl	hs SE		
Response Response Status C				Comment T		Comment S	••			ΕZ
ACCEPT.				The Re	eceive state diag	gram is split into	Figure 190-1	4 and Figure 19	0-15.	
				Suggested	Remedy					
				Change	۔ Figure 190-1،	4" to "Figure 19	0-14 and Figu	ıre 190-15".		
				Response		Response S	tatus C			
				ACCEF	-					

C/ 190	SC 190.3.7.2	P89	L 22	# 105		C/ 00	SC O	P 92	L16 (17?	# 61
Graber, St <i>Comment</i> "PKT	Type E	Pepperl+Fuch Comment Status A T_R". "x_char" (see line 27)		nar".	EZ	Curran, Ph <i>Comment</i> The re	Туре Е	ADI <i>Comment Status</i> A gure 190-14 is incorrect		EZ
Suggested Chang	•	T_R" (line 22). Change "x_c	har" to "rx_char	' (line 27).		Suggested Chang	<i>IRemedy</i> je text to "Figu	ıre 190-17"		
Response ACCE		Response Status C				Response ACCE	PT.	Response Status C		
C/ 190	SC 190.3.7.2	P91	L 28	# 106		C/ 00	SC O	P 93	L1	# 62
Graber, St	teffen	Pepperl+Fuch	ns SE	-	-	Curran, Ph	nilip	ADI		
Comment "rxrx_o	<i>Type</i> E cnt" should be "rfr:	Comment Status A x_cnt".			EZ	Comment rem_re	51	Comment Status A s been renamed rem_flr_rcvr_	_status, eee_low_snr	EZ is missing
Suggested Chang	•	rx_cnt". Apply the same cha	nge to line 31.			Suggested Renan	-	status to rem_flr_rcvr_status,	add eee_low_snr in l	-igure 190-17
Response ACCE		Response Status C				Response ACCE	PT.	Response Status C		
C/ 190	SC 190.4	P 92	L16	# 88		C/ 190	SC 190.4.	4.1 <i>P</i> 95	L 21	# 90
Graber, St	teffen	Pepperl+Fuch	is SE			Graber, St	effen	Pepperl+Fu	uchs SE	
<i>Comment</i> The P	51	<i>Comment Status</i> A agram is figure 190-17.			EZ	Comment The "re	51	Comment Status A bit has been removed.		Registers
S <i>uggested</i> Chang	•	figure 190-14 to 190-17.					ve sentence "	Mapping of MDIO status varia	bles to PMA status v	variables is shown in
Response		Response Status C					190–13." and			
ACCE						Response ACCE	PT.	Response Status C		
C/ 190	SC 190.4	P92	L18	# 89		C/ 00	SC 0	P 95	L 52	# 63
Graber, St		Pepperl+Fuch	is SE			Curran, Ph	nilip	ADI		
	e "Refresh monitor	Comment Status A	e PMA Receive	function, no se	<i>Editorial</i> parate	Comment	Туре Е	Comment Status A		EZ
Refres	sh monitor block is	s required.				rem_re	cvr_status has	s been renamed rem_flr_rcvr_	status	
Suggested	dRemedy					Suggested	•			
Remo line 18		tor, " in line 11 on page 92 a	nd also the asso	ciated Editor's	note in	Chang PHY h	e text to "Whe	en the Leader receiver and has detected rer	m_flr_rcvr_status = C	0K"
Response		Response Status C				Response		Response Status C		
ACCE	PT.					ACCE	PT.			
		d ER/editorial required GR/ patched A/accepted R/reje					d Z/withdrawn	Pa Li	95 52	Page 19 of 24 6/25/2025 9:39:56

SORT ORDER: Page, Line

C/ 00 SC 0	P96	L 9	# 46	C/ 190	SC 190.4.9	.1 <i>P</i> 98	L36	# 92	
Curran, Philip	ADI			Graber, Ste	ffen	Pepperl+Fu	ichs SE		
Comment Type T	Comment Status A		PHY Control	Comment 7	уре Е	Comment Status A			EZ
moving to the LINK_F.	ous 2 comments, it seems the AIL state immediately causes restart while the link is comin to expire.	s AN to restart. I	n fact there is no way for	has be <i>Suggestedi</i> Change	en renamed to R <i>emedy</i> e "rem_rcvr_si	s been renamed to "rem_flr_ "PMA_REMFLRRXSTATU: atus" to "rem_flr_rcvr_status	5". 5". Change		JS"
I think we should char Negotation restarts" to	nge the text " PHY Control r o make this clear.	eturns to the LIN	IK_FAIL state and Auto-	"PMA_ <i>Response</i>	REMRXSTAT	JS.request" to "PMA_REMF Response Status C	LRRXSTATUS.re	equest".	
SuggestedRemedy				ACCEF	РТ.				
Change to following:				CI 00	SC O	P 99	L15	# 41	
expire and Auto-Nego		d waits for the li	nk_fail_inhibit_timer to	Curran, Phi Comment T	•	ADI Comment Status A			EEE
Response ACCEPT.	Response Status C			The va	riable lpi_refre	sh_detect is not defined.			
C/ 190 SC 190.4.8.2	2 P97	L 20	# 91	Suggested Add the	e following afte	er line 15:			
Graber, Steffen <i>Comment Type</i> E	Pepperl+Fuc Comment Status A	hs SE	EZ	"The fo	llowing variab	e is required when EEE is e	nabled for the linl	<:	
Should read as "+ w(t) SuggestedRemedy						eceiver has reliably detected	d refresh signaling	g. It is set FALSE	
Change "+ wt)" to "+ w	v(t)"			Response		Response Status C			
Response ACCEPT.	Response Status C			ACCEF	РТ.				
C/ 190 SC 190.4.8.	2 P97	L 20	# 40						
Curran, Philip	ADI								
Comment Type E Missing opening parer	Comment Status A hthesis at "wt)" in equation 19	0-8.	EZ						
SuggestedRemedy Change to "w(t)".									
Response ACCEPT.	Response Status C								

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: Page, Line

Pa **99** Li **15**

CI 00	SC O	P 100	L1	# 42	C/ 190	SC	190.4.9.3	P 101	L19	# 93
Curran, P	hilip	ADI			Graber, S	Steffen		Pepperl+Fuch	s SE	
Comment	t Туре Е	Comment Status A		Edito	orial Commen	t Type	Е	Comment Status A		PHY Contr
varial	bles". This hierar	ms are currently in 190.4.9.3 w chy does not seem to make se		lause of "190.4.9 Stat	"SEN	ID_IDLE	E_NOT_RE	suggested to add an exit co ADY" and "PAM3_TUNING" that this should not be imple	" state. During t	he following discussion,
	<i>dRemedy</i> fy PMA state diag	gram hierarchy to match that c	of the PCS as fo	llows:	PAM	3 modul	lation. Addi	iver status could become un ng the two exit conditions wo Negotiation is mandatory, ir	ould result in a ri	isk, that the link startup
190.4	.9.1 State diagra	ions and state diagrams ms parameters			would	d get stu	uck in one c	if these states, the AN state rol state machine.		
	1.9.1.1 Variables				Suggeste	dReme	dy			
190.4	9.2 State diagra						ve exit cone ING" state.	dition to "LINK_FAIL" from "\$	SEND_IDLE_N	OT_READY" state and
Response ACCI		Response Status C			Respons	- e		Response Status C		
C/ 00	SC 0	P101	L17	# 43	ACC	EPT IN	PRINCIPLE d by comm			
Curran, P	hilip	ADI			C/ 00	SC	0	P101	L 20	# 44
Comment	51		to options		EZ Curran, F	hilip		ADI		
туро	al FLASE IN SE	END_IDLE_NOT_READY stat	le actions.		Commen	t Type	Т	Comment Status A		PHY Contro
	dRemedy ge to "FALSE".				the s	tate whe	ere the tran	D_IDLE_NOT_READY to LI smit signal switches from PA eriod after the transition whe	AM2 to PAM3. It	
Response	9	Response Status C			liere	Could L	e a short p		are onix drops.	
ACCI	ACCEPT.				SEN	D_IDLE	_NOT_REA	age in moving to LINK_FAIL DY. In either case the PHY expire in the event that som	will end up wait	ing for the
					Suggeste	dReme	dy			
					Rem	ove tran	sition from	SEND_IDLE_NOT_READY	to LINK_FAIL.	
					Respons	e		Response Status C		

ACCEPT.

Pa **101** Li **20**

				-				
C/ 00 SC 0	P101	L 26	# 45	C/ 190	SC 190.6.2	P104	L14	# 117
Curran, Philip	ADI			Zimmerma	n, George	APL Group, A	DI, Cisco, Marv	vell, Onsemi, Sony
Comment Type T	Comment Status A		PHY Control	Comment	Туре т	Comment Status A		New Conten
where the receive sig be a short period afte PAM3_TUNING state There is also no adva	AM3_TUNING to LINK_FAIL lo gnal switches from PAM2 to PA er the transition where SNR dro e is to allow for this possibility. Antage in moving to LINK_FAIL Y will end up waiting for the lind has gone wrong.	M3. It is convei ps. The whole p versus remaini	vable that there could point of the ing in PAM3_TUNING.	Suggested Add th LEADI the tim LEADI	<i>Remedy</i> le following text to ER-FOLLOWER hing control of ea ER and one PHY	ER-FOLLOW configuration. 1 o 190.6.2, replacing the edito assignment for each link con ch PHY. In 100BASE-T1L, or should be configured as FOI red to be LEADER or both to	r's note: figuration is ne ne PHY should _LOWER to op	cessary for establishing be configured as erate. In the case where
SuggestedRemedy				The L		/ER configuration between th	e PHYs is esta	blished using the
Remove transition from	om PAM3_TUNING to LINK_FA	AIL.				d in 98.2.1.2.5 and Table 98–		2
Response	Response Status C			Response		Response Status C		
ACCEPT.					PT IN PRINCIPL	E. o 190.6.2, and delete the edit	or's note:	
SuggestedRemedy	P 103 APL Group, A <i>Comment Status</i> A 6. Text from clause 146 and 80 t to 190.6, at P103 L45:		# <u>116</u> vell, Onsemi, Sony <i>New Content</i> an be adapted.	the tim should The LE Negoti	ning control of ea I be configured a EADER-FOLLOV ation using the n	assignment for each link con ch PHY. One PHY should be s FOLLOWER. /ER configuration between th tethod described in 98.2.1.2.4 d according to Table 98–4. Ir	configured as ne PHYs is esta 5. The LEADEF	LEADÉR and one PHY blished by Auto- R-FOLLOWER
100BASE-T1L uses t MDIO register	he management interface as s			and bo	oth PHYs are cor	figured to be LEADER or bot gotiation and operation of the	h to be FOLLO	WER, a configuration
interface and register provision of an	rs are optional. When the MDIC) interface is no	t implemented,	C/ 190	SC 190.7.1.4	P107	L 20	# 118
equivalent mechanisi required.	m for the functions specified in	connection to t	he register bits is	Zimmerma Comment		APL Group, A Comment Status A	DI, Cisco, Marv	vell, Onsemi, Sony Editoria
Response	Response Status C				51	figure is only for shielded link	seaments	Luitone
ACCEPT.				Suggested	IRemedy	90-25 to "100BASE-T1L shie	C C	ent TCL"
				Response	, C	Response Status C	0	

ACCEPT.

Pa **107** Li **20**

C/ 190	SC 190.7.1.4	P107	L22	# 119	C/ 190	SC 190.7.2.1	P108	L 14	# 94
Zimmerma	an, George	APL Group, AD	l, Cisco, Marv	vell, Onsemi, Sony	Graber, St	teffen	Pepperl+Fuchs	s SE	
Comment	Туре Т	Comment Status A		Link Segment	Comment	Туре Е	Comment Status A		E
Balance on unshielded link segments is unspecified. There is considerable interest in		siderable interest in	The IL	20MHz is in dB,	thus the "dB" unit needs to be	removed in th	e following lines.		
deplo	ing 100BASE-T1	L on category 6 cabling.			Suggested	dRemedv			
Suggestee	dRemedy				00	,	16" "16 <- II 20MHz < 18" '	"18 ~- II 20ML	z < 01" "01 <−

Insert new paragraph, equation, and figure below Figure 190-25 as follows: The TCL requirement for unshielded link seaments is specified to alian with the use of Category 6 cabling components. Each 100BASE-T1L unshielded link segment shall meet the values determined using Equation (190-4) at all frequencies from 1 MHz to 60 MHz.

(Equation 190-4) TCL >= 50-15log10(f) dB 1 <= f <= 60 Where f is the frequency in MHz; $1 \le f \le 60$

Equation (190-4) is plotted in Figure 190-26, which is provided for information only.

(include plot as Figure 190-26 100BASE-T1L unshielded link segment TCL) Response Status C

Response

ACCEPT IN PRINCIPLE.

Insert new paragraph, equation, and figure below Figure 190-25 as follows: The TCL requirement for unshielded link seaments is specified to alian with the use of Category 6 cables and components. Each 100BASE-T1L unshielded link segment shall meet the values determined using Equation (190-4) at all frequencies from 1 MHz to 60 MHz.

(Equation 190-4) TCL >= 50-15log10(f) dB 1 <= f <= 60 Where f is the frequency in MHz: $1 \le f \le 60$

Equation (190-4) is plotted in Figure 190-26, which is provided for information only.

(include plot as Figure 190-26 100BASE-T1L unshielded link segment TCL)

with editorial license to align with references used in cabling standards and elsewhere in 802.3.

		100		 54		
Graber, Steffen		Pepperl+Fuchs S	E			
Comment Type	E	Comment Status A			Editorial	

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").

Response Response Status C

ACCEPT IN PRINCIPLE.

With editorial license to check for consistency (with 802.3 and between pages 108 & 109), and catch any missed "dB" instances

C/ 190	SC 190.9	P109	L 48	# 120

Zimmerman, Geo	rge	APL Group, ADI, Cisco	, Marvell, Onsemi, Sony
Comment Type	т	Comment Status A	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/withdraw SORT ORDER: 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.

Response Response Status C

ACCEPT IN PRINCIPLE.

Suggested remedy with editorial license. See zimmerman_3dg_02_06252026.pdf for clean text.

C/ 98B	SC	98B.4	P113	L37	# 122	
Zimmerman	, Geo	orge	ADI,APLgp,Ci	sco,Marvell,On	Semi,Sony	
Comment Ty	/pe	т	Comment Status A			LATE
Need to	add	100BASE	E-T1L to priority resolution			

SuggestedRemedy

Append after 98B.3 (Table 98-1): 98B.4 Priority Resolution Insert entry for 100BASE-T1L between 1000BASE-T1 and before 100BASE-T1 in the list of the priorities to be resolved. - 100BASE-T1L

- 1000406-1

Response Response Status C ACCEPT IN PRINCIPLE.

Suggested remedy with editorial license.

(see 802.3cy)

C/ 00	O SC O		P 57/58	L47/9,10	#	65
Curran, Philip			ADI			
Comment	Tvpe	F	Comment Status			Fditorial

Comment Type E Comment Status A

The sentence "For values shown as binary, the lefmost bit is the first bit transmitted" may be misleading since the TXD<3:0> values shown subsequently in other subclauses with the MSB (TXD<3>) as the leftmost bit, while accoring to clause 22, TXD<0> is transmitted first. Since, other than that, binary values are not used in Clause 190, that sentence would better be removed.

SuggestedRemedy

Remove line 47 in page 57: "For values shown as binary, the lefmost bit is the first transmitted bit". Also remove the last sentence in page 58 lines 9-10 "Binary values are shown with the first transmitted bit (the LSB) on the left".

Response	Response Status	С
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ACCEPT.

	Pa	57/58	Page 24 of 24	
osed Z/withdrawn	Li	47/9,10	6/25/2025 9:39:57 AM	