C/ 33 SC 33.3.7.4 Darshan, Yair	P 132 Microsemi	L 48	# 1	Cl 33 SC 33.2.6 Darshan, Yair	P 87 Microsemi	L 7	# 3		
Comment Type E Editor's Note: "Item 4a SuggestedRemedy Delete Editor Note. Response ACCEPT. EZ	Comment Status A still under investigation with r Response Status C	espect to PD Vo	<i>Editorial</i> diff no longer required"	Comment Type ER Comment Status A E Table 33-7 clarity can be improved by the following actions: 1. Columns "Requested Class" is better to switch places with Column "Number of Classification Events" since this is PSE spec and the order of things is what PSE do, v is the PD requested class, what is the Assigned class and then what is the minimum supported power etc. 2. Column "Requested Class" is actually "PD Requested Class". 3. Column "Number of Classification Events" is actually "Number of PSE Classification Events"					
Cl 33 SC 33.3.7.1 Darshan, Yair Comment Type ER	P 130 Microsemi Comment Status A	L 32	# 2 PD Power	Events". 2. Change column "I	olumns "Requested Class" with Requested Class" with "PD Rec Number of Classification Events	uested Class".			
off voltage, and PD cla need to be per pairset. SuggestedRemedy	12 and 13 (PD power supply t ssification stability time): name of items 11 , 12, and 1 <i>Response Status</i> C	-	PD power supply turn	Response ACCEPT IN PRINCI 2. Change column "I	Response Status C PLE. Requested Class" with "PD Rec Number of Classification Events		of PSE Classification		

C/ 33 SC 33.2.6 P 87 L 38 # 4 Darshan, Yair Microsemi	C/ 33 SC 33.2.6.3 P 94 L 47 # 6 Darshan, Yair Microsemi
Comment Type ER Comment Status A Pr	Class Comment Type ER Comment Status A Editor
Table 33-7a clarity can be improved by the following actions: 1. Columns "Requested Class ALT A" and "Requested Class ALT B" is better to sw places with Column "Number of Classification Events on alt A" and "Number of Classification Events on alt B" since this is PSE spec and the order of things is what	and TAUTO_PSE27"
do, what is the PD requested class, what is the Assigned class and then what is the	SuggestedRemedy
minimum supported power etc. 2. Column "Requested Class ALT A" is actually "PD Requested Class mode A" and "Requested Class ALT B" is actually "PD Requested Class mode B".	Change from: "PAutoclass is the measured power during the Autoclass window between TAUTO_PSE2 and TAUTO_PSE27" To:
SuggestedRemedy	"PAutoclass is the measured power during the Autoclass window between TAUTO_PSE1
 Switch columns "Requested Class ALT A" and "Requested Class ALT B" with co "Number of Classification Events on alt A" and "Number of Classification Events on 	
 Change "Requested Class ALT A" with "PD Requested Class mode A" 	Response Response Status C
3. Change "Requested Class ALT B" with "PD Requested Class mode B".	ACCEPT.
Response Response Status C	EZ
ACCEPT IN PRINCIPLE.	
2. Change "Requested Class ALT A" with "PD Requested Class ALT A"	C/ 33 SC 33.2.7 P 99 L 40 # 7 Darshan, Yair Microsemi
3. Change "Requested Class ALT B" with "PD Requested Class ALT B".	Comment Type T Comment Status D Pres: Darsha
Add "PSE" in number of class events column title as in Table 33-7.	Editor Note #2.
C/ 33 SC 33.2.6 P 87 L 4 # 5 Darshan, Yair Microsemi	 "2. The following case needs to be addressed: If PSE is using active or passive pair-to-pair current balancing circuitry, K_Icut may be lower (down to 0.5) per equation TBD." We need to adress PSE requirements when active or passive current balancing is used that effects Icut-2P, ILIM-2P.
Comment Type ER Comment Status A There is missing links from the text in 33.2.6 to tables 33-7, 33-7a and 33-7b.	ditorial SuggestedRemedy See presentation and proposed Remedy in darshan 05 1115.pdf
SuggestedRemedy	Proposed Response Response Status Z
To add Editor Note prior to Table 33-7: "Editor Note: To add missing links from the text in 33.2.6 to tables 33-7, 33-7a, and	
Response Response Status C ACCEPT.	This comment was WITHDRAWN by the commenter.
	TFTD (wfp)

	P 101 icrosemi	L 34	# 8	C/ 33 Darshan. `	SC 33 Vair	3.3.7.3	P 132 Microsemi	L 11	# 9	
				,		_				
Comment Type T Comment Sta			Pres: Lennart10	Comment		T	Comment Status R		Inrush	
The text "For Type 3 and Type 4 PSEs, signature PDs, the value of KIpeak is giv value of KIpeak is 0. Dual-Signature PD	ven by Equati			This is the response to the remedy of comment # 150 in D1.3 which says: To delete the text "See PSE-PD simplified Cport implementation model in Annex TBD From: "Cport in Table 33-18 is the total PD input capacitance during POWER UP and POWE ON states that a PSE sees when connected to a single-signature PD over a pairset or pairsets. When PSE is connected to dual-signature PDs, Cport value requirements an specified in 33.3.7.6.						
The text above can be updated after the Now it is clear that for dual signature PD			ure Kipeak=0 too.							
SuggestedRemedy							e figure and new text (no An	nex)".		
Change: "For Type 3 and Type 4 PSEs, operating	n in 4-nair mo	de and connec	ted to single-signature	Suggestee	dRemedy	•	J X	,		
PDs, the value of Klpeak is given by Eq Klpeak is 0. Dual-Signature PDs TBD." To: "For Type 3 and Type 4 PSEs, operating PDs and dual-signature PDs with the sa Klpeak is given by Equation 33-4a. For a	uation 33-4a. g in 4-pair mo me class sigr	For all other ca de and connec nature on each	ases the value of ted to single-signature pairset, the value of	 Change from: "Cport in Table 33-18 is the total PD input capacitance during POWER UP and POWER ON states that a PSE sees when connected to a single-signature PD over a pairset or be pairsets. When PSE is connected to dual-signature PDs, Cport value requirements are specified in 33.3.7.6." To: 						
Proposed Response Response Stat	us Z						the total PD input capacitant when connected to a single-			
REJECT.				pairse	ts. When	PSE is o	connected to dual-signature			
This comment was WITHDRAWN by the	e commenter.			See F		7.1 for I	PSE-PD simplified Cport inte ter the above text as describ			
TFTD				Response	-		Response Status C			
Did we decide to give unbalance to dual the isolation/3-pair power requirement?	-sig PDs with	the same class	s? How do we spec	REJE	CT.					
				This c	omment h	nas beer	replaced by comment 221.			
				EZ						

Cl 33 SC 33A.5 Darshan, Yair	P 172 Microsemi	L 35	# 10	C/ 33 Darshan,	SC 33A.5 Yair	P 190 Microsemi	L 21	# 12				
In Annex 33A.5 to defi SuggestedRemedy	Comment Status A of comment #5 from D1.3: ne Rpair_max_PD, Rpair_min	_PD.	Pres: Darshan1	For P For P	Editorial • 0.125. 0.105. 0.080.							
impedance. The effective resistance the path e.g. the effect =Veff_pd3/i3 as shown	pair_min_PD represents PD c e is the measured voltage Vef ive value of Rpair_max_PD =\	f_pd_i, divided /eff_pd1/i1 and	· I by the current through d Rpair_min_PD	For P requin and â the "*	D power above t ement will be ne in the equation for multipication	5: RPair_max_PD = 1.750 * RF he values shown in Table 33– eded to not exceed ICon-2P_t RPair_max_PD = alfa*RPair_r n need to be "x". ons lines 20,22,24,26 and 29.	18 and up to Pound of the second seco	Class, stringent of smaller constants á				
Response ACCEPT IN PRINCIPI OBE by 222	esponse Response Status C ACCEPT IN PRINCIPLE.					SuggestedRemedy Replace "*" with "x" in 5 locations: Page 190 lines 20,22,24,26 and 29. Response Response Status C						
C/ 33 SC 33.2.7 Darshan, Yair	P 96 Microsemi	L 50	# 11	ACCE	EPT IN PRINCIP	LE.						
unbalance effects.	mment TypeTComment StatusAPres: Darshan4Table 33-11 item 5a Inrush-2P: Addressing the requirements for Type 3 and 4 including					Editor to consult style guide and make change if appropriate. Yair, is changing the type of multiplication sign used really a technical comm EZ						
SuggestedRemedy See darshan_04_1115	.pdf for proposed baseline tex	t.										
Response ACCEPT IN PRINCIPI	Response Status C E.											
Adopt darshan_04_11	15Rev010.pdf											

C/ 33 SC 33.3.7.10 Darshan, Yair	P 137 Microsemi	L 17	# 13	<i>CI</i> 33 Darshan, Yai	SC 33.2.6 r	P 85 Microsemi	L 52	# 15		
Comment Type T Con	nment Status A		Pres: Darshan3	Comment Ty	pe T	Comment Status A		PSE Classificatior		
To adress Editors note in line added."	17: "Editor's Note: Lor	nger channel res	istances need to be	To clarify where in the spec one classification event + mark event consider to be multip event?						
D1.4 requires in its Editor Not	n nage 137 line 17 t	to address longe	r channel as well due	SuggestedRe	emedy					
to the fact that it looks that me old text rather than Icon-2P_u be measured at worst case co	eting Icon-2P_unb is not not has to be met at an	restricted to sho	rt channel only per the r Icon-2P_unb should			efinition, to add after line 52: al Layer classification is at lea	st one class ev	ent and one mark		
problem.				Response		Response Status C				
SuggestedRemedy				ACCEPT	IN PRINCIPL	_E.				
 Remove Editor Note in line Change the text per darsha 				Page 90,	line 31 in D1.	4 has the definition.				
Response Resp ACCEPT IN PRINCIPLE.	oonse Status C			No chang	ges to the draf	ft result from accepting this co	mment.			
Add "for longer than Tcut-2p r	nin" after Icon-2p_unb	on line 9 of pag	e 137.	<i>Cl</i> 33 Darshan, Yai	SC 33.3.3.3 r	P 116 Microsemi	L 19	# 16		
C/ 33 SC 33.3.8	P 137	L 26	# 14	Comment Ty		Comment Status A		PD SD		
Darshan, Yair	Microsemi			It looks th PD.	nat the PD sta	te machine is not clearely def	ined the behavi	our of SS PD and DS		
51	nment Status A		Editorial	Example		that with dual-sig PD with diff		nature, one of the		
Table 33-1-PD Maintain Powe Same in page 138 Table 33-1		Table 33-19.		modes w	ill have MPS a	and the 2nd not. This case is r	not covered.			
1 0	a should be 55-19a			SuggestedRe	emedy					
SuggestedRemedy 1. Change Table 33-1-PD Mai 2. Change in page 138 line 4 f				"Editor N	ote: To review	19 page 116: v state machine that clearly sp parding the detection , classific				
Response Resp	oonse Status C			requirem	ents for each	pairset/mode"				
ACCEPT IN PRINCIPLE.				Response		Response Status C				
				ACCEPT						
OBE by 90, 91				EZ						

C/ 33 SC 33.2.4.7	P74	L 14	# 17		33.2.4.7	P74	L 27	# 19
Darshan, Yair	Microsemi			Darshan, Yair		Microsemi		
Comment Type TR Comme	ent Status A			Comment Type	TR	Comment Status R		PSE SL
Clause 33.2.4.7 Figure 33-9a pag In the POWER_UP state, the phy IF (((sig_type = single) + (dll_4PII	sical layer 4PID co	onfirmation is mis	sing.	Dual Signatu		dressed in POWER_ON state		
	$D = 1$)) (IIII_pse_a			IF ((dll_4P				
SuggestedRemedy Change from:				(mr_pse_s				
IF (((sig_type = single) + (dll_4PII	D = 1)) *(mr_pse_a	alternative = both)) THEN		wrd <= TRU wrd <= FAL			
IF (((sig_type = single) + (dll_4PII both)) THEN	D = 1)+(pd_cls_4P	ID=TRUE)) *(mr_	pse_alternative =	IF (mr_pse	e_alternativ wrd <= TRL	e = both) THEN IE		
Response Response ACCEPT IN PRINCIPLE.	se Status C			alt_b_p\ IF (mr_pse_ alt_a_pwrc	wrd <= TRL alternative I <= TRUE	IE = a) THEN		
OBE by adoption of new state ma	ichine.			IF (mr_pse_ alt_b_pwrc		= b) THEN		
C/ 33 SC 33.2.4.7	P 74	L 14	# 18	SuggestedReme	edy			
Darshan, Yair	Microsemi			Add Editor N Editor's Note		gure 33-9a: s dual signature PD in POWEF	R_ON state.	
···· //··	ent Status R	-	PSE SD	Response		Response Status C		
Dual Signature is not adressed in IF (mr_pse_alternative = a) THEN alt a pwrd <= TRUE		е		REJECT.				
IF (mr_pse_alternative = b) THEN alt_b_pwrd <= TRUE IF (((sig_type = single) + (dll_4PII (mr_pse_alternative = both)) THE alt_a_pwrd <= TRUE alt_b_pwrd <= TRUE	D = 1)) *			Power up of and 78.	dual signa	ure is taken care of by power_	on[A] and pow	er_on[B] on pages 76
SuggestedRemedy								
Add Editor Note after Figure 33-9 Editor's Note: To adress dual sigr		ER_UP state.						
Response Respons	se Status C							
REJECT.								
Power up of dual signature is take and 78.	en care of by powe	er_up[A] and powe	er_up[B] on pages 76					

		# 20	CI 33	SC 33.2.6		P 87	L 27	# 21			
Microsemi			Darshan,	Yair		Microsemi					
Comment Status A		PSE S	D Comment	Type TR	Comm	nent Status A		PSE Clas			
	part is missing.		The te	Table 33-7-Physical Layer power classifications (PClass) The text: "NOTE 2-Data Link Layer classification takes precedence over Physical Lay classification."							
HEN ır_pse_ss_mode = 0)) THE	N		"The and P	Data Link Lay PD to participa	er classificati e in dynamic	on has finer power r power allocation w	resolution and th	e ability for the PSE			
E								at PD Physical Layer			
			Suggeste	dRemedy							
uggestedRemedy 1. Change from "IF (sig_type = single) THEN IF ((dll_4PID = 0) + (mr_pse_ss_mode = 0)) THEN alt_a_pwrd <= TRUE alt_b_pwrd <= FALSE ELSE": To: "IF (sig_type = single) THEN					 Remove Note 2 from Table 33-7. Change the text in page 88 lines 19-21 to be: "The Data Link Layer classification has finer power resolution and the ability for the and PD to participate in dynamic power allocation wherein allocated power to the P change one or more times during PD operation. Data Link Layer classification take precedence over Physical Layer classification. The Physical Layer classification of the PD is the maximum power that the PD draw 						
	ose_ss_mode = 0))) THEN			,	nse Status C					
iqure 33-9a:			Chan	ge the text in	age 88 lines	19-21 to be:					
ess in POWER_ON state the	e case that		"The and F chang prece is the	Data Link Lay D to participa ge one or mor dence over P maximum po	er classificati e in dynamic times during sysical Layer	on has finer power r power allocation w g PD operation. Dat classification. The l	herein allocated a Link Layer clas Physical Layer c	power to the PD may ssification takes lassification of the PD			
	not covered. HEN Ir_pse_ss_mode = 0)) THEI E IEN pse_ss_mode = 0)) THEN IEN cls_4PID=FALSE) + (mr_p Figure 33-9a: ess in POWER_ON state th <i>Response Status</i> C	3-9a page 74 line 27: te, the physical layer 4PID part is missing. a not covered. HEN Ir_pse_ss_mode = 0)) THEN E IEN pse_ss_mode = 0)) THEN IEN cls_4PID=FALSE) + (mr_pse_ss_mode = 0 Figure 33-9a: ess in POWER_ON state the case that Response Status C	3-9a page 74 line 27: te, the physical layer 4PID part is missing. a not covered. HEN Ir_pse_ss_mode = 0)) THEN E IEN pse_ss_mode = 0)) THEN IEN cls_4PID=FALSE) + (mr_pse_ss_mode = 0)) THEN Figure 33-9a: ess in POWER_ON state the case that	3-9a page 74 line 27: Table te, the physical layer 4PID part is missing. The total class in not covered. "The and F HEN and F ir_pse_ss_mode = 0)) THEN In add class E In add class IEN 2.Cha ipse_ss_mode = 0)) THEN 2.Cha IEN 2.Cha is of a class Suggeste Propo 1.Ref 2.Cha "The and F change Propo 1.Ref 2.Cha "IEN 2.Cha ics_4PID=FALSE) + (mr_pse_ss_mode = 0)) THEN Response "Eigure 33-9a: Chan ess in POWER_ON state the case that "The and F Response Status C Response Status C	3-9a page 74 line 27: Table 33-7-Physical te, the physical layer 4PID part is missing. Table 33-7-Physical in not covered. Note 2 looks not bel tEN Note 2 looks not bel ir_pse_ss_mode = 0)) THEN In addition, this is all E In addition, this is all is pse_ss_mode = 0)) THEN In addition, this is all EN Proposed Remedy pse_ss_mode = 0)) THEN Proposed Remedy IEN Proposed Remedy pse_ss_mode = 0)) THEN 2.Change the text in The Data Link Layer across all output vol IEN Change the case that Figure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in precedence over Ph rigure 33-9a: Change the text in pr <t< td=""><td>3-3a page 74 line 27: Table 33-7-Physical Layer powe te, the physical layer 4PID part is missing. Table 33-7-Physical Layer powe in not covered. The text: "NOTE 2-Data Link La tEN Note 2 looks not belong to this ta in pse_sss_mode = 0)) THEN In addition, this is also the right p tEN classification indicates the maxification indicates and PD to participate in dynamic change one or more times during precedence over Physical Layer classification across all output voltages and op tEN Response Status response Status C</td><td> 3-9a page 74 line 27: te, the physical layer 4PID part is missing. anot covered. tEN te = 0)) THEN The Data Link Layer classification has finer power and PD to participate in dynamic power allocation w change one or more times during PD operation. In addition, this is also the right place to integrate the classification indicates the maximum power a PD with the PD to participate in dynamic power allocation w change one or more times during PD operation. In addition, this is also the right place to integrate the classification indicates the maximum power a PD with the PD to participate in dynamic power allocation w change one or more times during PD operation. In addition, this is also the right place to integrate the classification indicates the maximum power a PD with the PD to participate in dynamic power allocation w change one or more times during PD operation. Data proceedence over Physical Layer classification. The Physical Layer classification modes." Response Status C </td><td>3-9a page 74 line 27: Table 33-7-Physical Layer power classifications (PClass) te, the physical layer 4PID part is missing. Table 33-7-Physical Layer power classification (PClass) in ot covered. Note 2 looks not belong to this table, it is better to integrate it with line the more sease mode = 0)) THEN E Note 2 looks not belong to this table, it is better to integrate it with line addition. IEN In addition, this is also the right place to integrate the requirement the classification indicates the maximum power a PD will ever draw. SuggestedRemedy Proposed Remedy Proposed Remedy Net 2 looks in the participate in dynamic power allocation wherein allocated change one or more times during PD operation. The Link Layer classification of the PD is the maximum power to the action wherein allocated change one or more times during PD operation. Data Link Layer classification of the PD is the maximum power to the across all output voltages and operational modes." IEN .cls_4PID=FALSE) + (mr_pse_ss_mode = 0)) THEN Figure 33-9a: C riggure 33-9a: C riggure 33-9a: C rine power allocation wherein allocated change one or more times during PD operation. Data Link Layer classification has finer power resolution and th and PD to participate in dynamic power allocation wherein allocated change one or more times during PD operation. Data Link Layer classification of the PD is the maximum power to across all output voltages and operational modes."</td></t<>	3-3a page 74 line 27: Table 33-7-Physical Layer powe te, the physical layer 4PID part is missing. Table 33-7-Physical Layer powe in not covered. The text: "NOTE 2-Data Link La tEN Note 2 looks not belong to this ta in pse_sss_mode = 0)) THEN In addition, this is also the right p tEN classification indicates the maxification indicates and PD to participate in dynamic change one or more times during precedence over Physical Layer classification across all output voltages and op tEN Response Status response Status C	 3-9a page 74 line 27: te, the physical layer 4PID part is missing. anot covered. tEN te = 0)) THEN The Data Link Layer classification has finer power and PD to participate in dynamic power allocation w change one or more times during PD operation. In addition, this is also the right place to integrate the classification indicates the maximum power a PD with the PD to participate in dynamic power allocation w change one or more times during PD operation. In addition, this is also the right place to integrate the classification indicates the maximum power a PD with the PD to participate in dynamic power allocation w change one or more times during PD operation. In addition, this is also the right place to integrate the classification indicates the maximum power a PD with the PD to participate in dynamic power allocation w change one or more times during PD operation. Data proceedence over Physical Layer classification. The Physical Layer classification modes." Response Status C 	3-9a page 74 line 27: Table 33-7-Physical Layer power classifications (PClass) te, the physical layer 4PID part is missing. Table 33-7-Physical Layer power classification (PClass) in ot covered. Note 2 looks not belong to this table, it is better to integrate it with line the more sease mode = 0)) THEN E Note 2 looks not belong to this table, it is better to integrate it with line addition. IEN In addition, this is also the right place to integrate the requirement the classification indicates the maximum power a PD will ever draw. SuggestedRemedy Proposed Remedy Proposed Remedy Net 2 looks in the participate in dynamic power allocation wherein allocated change one or more times during PD operation. The Link Layer classification of the PD is the maximum power to the action wherein allocated change one or more times during PD operation. Data Link Layer classification of the PD is the maximum power to the across all output voltages and operational modes." IEN .cls_4PID=FALSE) + (mr_pse_ss_mode = 0)) THEN Figure 33-9a: C riggure 33-9a: C riggure 33-9a: C rine power allocation wherein allocated change one or more times during PD operation. Data Link Layer classification has finer power resolution and th and PD to participate in dynamic power allocation wherein allocated change one or more times during PD operation. Data Link Layer classification of the PD is the maximum power to across all output voltages and operational modes."			

<i>Cl</i> 33 Darshan, Ya		3.3.5	P 104 Microsem	L 43	# 22	Cl 33 Darshan, `		33.2.7.7	P 104 Microsemi	L 29	# 23
	, "Shall		Comment Status A ollowing text:		PD Class		ext in lin	TR es 12-14:			PSE Power Removal
across If "Shal request SuggestedH Change "The Pt across To: "The Pt draws a Response	all inpu l" is not t more Remed e from: hysical all inpu hysical across	it voltage t used, it power the Layer cla it voltage Layer cla	assification of the PD is the sand operational modes will lead to interoperabilit an the advertised physical assification of the PD is the sand operational modes assification of the PD sha voltages and operational <i>Response Status</i> C .E.	" y issues when DLL I layer class. e maximum power " Il be the maximum	is used in a way to r that the PD draws	power either is redu The re Power the "P Suggester Chang "Wher power To: "Wher from b pairse Proposed REJE	r from b pairset undant. equirem r shall b SE upp dRemed ge from n conne of from b n conne oth pai oth pai ct." Respoi CT.	oth pairse ent is alre e remove erbound t dy ected to a s oth pairse ected to a s rsets befo	single signature PD, a Type ts before the current exceed ady covered by previous line d from a pairset PI of a PSE emplate" in Figure 33-14, Fig single signature PD, a Type ts before the current exceed single signature PD, a Type re the current exceeds the "I <i>Response Status</i> Z THDRAWN by the commented	s the "PSE upp es lines 10-12: before the pair gure 33-14a, ar 3 or Type 4 PS s the "PSE upp 3 or Type 4 PS PSE upperbour	berbound template" on rset PI current exceeds nd Figure 33-14b. SE should (TBD) remove berbound template" SE may remove power
						C/ 1	SC		P1	L1	# 24
						Yseboodt,			Philips		
							nent ap		Comment Status A nole document. a different font and fontsize for	or the page nur	Editoriai mber.
						Suggestee Fix.	dReme	dy			
						Response ACCE			Response Status C		
						EZ					

C/ 1	SC			P 20	L 32	# 25		C/ 25		25.4.5		P 24	L 3	# 27
Yseboodt	,		_	Philips				Yseboodt,			_	Philips		
Comment		ER	Comment				ditorial	Comment		Т		nt Status D		Editoria
classi		signature				detection signature pairsets (see IEE							Endpoint PSE or power shall meet	Type 2 or greater PD t either the"
		,	oro it' Eoolo	liko o otrongo	construction to a	av this		Refer	to Clas	s rather th	an power.			
•				like a strange	construction to s	ay this.		Suggested	Reme	dy				
Suggeste		-												Type 2 or greater PD
					e same detectio	n signature, pairsets (see IEE			0		more than	Class 3 average	power shall mee	t either the"
	B. Clause		e, and maintain	i power signati				Proposed	Respor	nse	Respons	e Status Z		
Response	,		Response S	Status C				REJE	CT.					
		PRINCIP	,					This c	ommer	nt was WIT	HDRAWN	by the commen	ter.	
					etection signature oth pairsets (see	e, classification EEE 802.3, Clau	lse	C/ 30	SC	30.9.1.1.4	enance req	P 29	L 10	# 28
C/ 1	SC	1.4		P 20	L 32	# 26		Yseboodt,	Lennai	rt		Philips		
Yseboodt	, Lennar	rt		Philips	-			Comment		Е		nt Status A		Editoria
Comment	t Type	ER	Comment	Status A		F	ditorial					as one of the foll	owing entries:	
			property of a F			_	anonai			Pinout Alte Pinout Alte				
	-							both F	PSE Pi	nouts on b	oth Alterna	tive A and B		
	-		nere it' Feels	like a strange	construction to s	ay this.		We ac	Ided 'be	oth' to this		PSE does not b	ave multiple pinou	ite
Suggeste		,									III D 1.4. A			ul3.
					pendent detectio			Suggested		•				
		signature	,	1 0	tures on each pa	irset.			,	ooth' line:	native A an	d Alternative B		
Response			Response S	Status C				Response	-			e Status C		
ACCE	EPT IN F	PRINCIP	LE.					ACCE			Respons			
"Dual	-signatu	ire PD: A	PD that has in	dependent de	tection signature	s, classification		AUCE						
						E 802.3, Clause 3	33)."	EZ						
A II :		of atom-	alana "dual -:-	noture lin draf		d to include "DD"								
All Ins	stances	or stand-	aione dual-sig	mature in drat	i must be update	ed to include "PD".	•							

C/ 30 SC 30.9.1.1.4 P 29 L 10 # 29 Yseboodt, Lennart Philips	C/ 33 SC 33 P1 L1 # 30 Yseboodt, Lennart Philips
Comment Type E Comment Status A Edit	Comment Type E Comment Status A Edito.
"The enumeration "both" indicates that the PSE Pinout uses both Alternative A and Alternative B for detection and power." Reword. SuggestedRemedy "The enumeration "both" indicates that the PSE pinout comprises of both Alternative A a Alternative B and both are used for detection and power." Response Response Status C ACCEPT IN PRINCIPLE. "The enumeration "both" indicates that the PSE pinout comprises both Alternative A and Alternative B and both are used for detection and power." EZ	General inconsistency, class is incorrectly using Capital letter at the following places. 33.2.4.4, page 64, line 52 and 53 33.2.4.4, page 65, line 31 33.2.4.5, page 86, line 31 33.2.6, page 86, line 5 33.2.6.1, page 90, line 17 and 20 33.2.6.2, page 91, line 35 33.2.6.2, page 92, line 5 33.2.7.10, page 109, line 13 33.3.2, page 115, line 37, 40, 43,48, 49, 52 and 53 33.3.3, page 116, line 52 33.3.3, page 117, line 1, 2, 38, 46 and 47 33.3.5, page 124, line 6 33.3.5.1, page 125, line 11 33.3.5.2, page 126, line 44 33.3.7.4, page 133, line 12 General rule: if we refer to a power class (eg. Class 7), we capitalize. Otherwise (eg. Class event, class signature) we don't. <i>SuggestedRemedy</i> Change Class to class. <i>Response</i> <i>Response</i> <i>Response Status</i> <i>C</i> ACCEPT IN PRINCIPLE. Editor to consult with IEEE style guide/experts and implement as instructed.
	Cl 33 SC 33.2.7 P 97 L 40 # 31
	Yseboodt, Lennart Philips Comment Type ER Comment Status A Edito. Table 33-11, Add Info, Item 19, Reference to 33.2.9 is not an XREF.
	Suggested Remedy
	Fix.
	Response Response Status C ACCEPT.
	EZ

C/ 33 SC 33.2.7 Yseboodt, Lennart	P 98 Philips	L 16	# 32	C/ 33 S Yseboodt, Ler	SC 33.2.7	P 99 Philips	L 28	# 34
There is a lot of inform in section 33.2.9.1.2. SuggestedRemedy	Comment Status A , 17a and 17b are for Ihold. ation crammed into these iter 5_Table_33_11_item17.pdf	ns, some of whi	PSE MPS	"2 Item 17 "3 Item 17 pair curren	d 3 below Tal 7 and 17a app 7b applies to F nts of the san	ly to PSEs that implement M PSEs that implement MPS d	etection by meas	suring the sum of the
Response ACCEPT IN PRINCIP Adopt yseboodt_5_11	Response Status C LE. 15_Table_33_11_item17_v12	0.pdf		"3 Item 17	applies to P a applies to F	SEs that measure currents p SEs that measure the sum		
C/ 33 SC 33.2.7 Yseboodt, Lennart	P 99 Philips	L 28	# 33	to check t <i>Response</i> ACCEPT.		Response Status C		
port_pse-2p min. A Ty I cable and V port_pse	limited to Class 3 power may pe 3 PSE that is limited to Cla -2p min." needed if proposed modificat	ass 4 power may	use Type 2 values for	Yseboodt, Ler Comment Typ	e ER e to 33.2.7.4.1	<i>P</i> 100 Philips <i>Comment Status</i> A is not an XREF.	L 4	# <u>35</u> Editoria
Remove note 1. Response ACCEPT IN PRINCIP OBE by 203.	Response Status C LE.			Response ACCEPT. EZ		Response Status C		

C/ 33 Yseboodt, Le	SC 33.2.7.1 ennart	P 100 Philips	L 17	# 36	CI 33 Yseboodt,		33.2.7.4 rt	P 100 Philips	L 47	# 38
POWER	3 or Type 4 PS	Comment Status A SE that is connected to a Clas y transition between 2-pair an			- acco	ions 33 blades a	ind unit	Comment Status A d 3e are missing: ibes the variables		Editoria
more cle (eg. If a d and 4P r SuggestedRe	ear. Class 6 PD ge mode). e <i>medy</i>	te between assigned Class a ts power demoted to Class 4, SE that has assigned Class 1	the PSE may s	till hop between 2P	Suggestee Add a Response ACCE NonE	ccolade P PT.		as well as variable descriptio <i>Response Status</i> C	n.	
the POW	VER_ON state	may transition between 2-pai ration of T pon." <i>Response Status</i> C			C/ 33 Yseboodt,		33.2.7.4	P 100 Philips	L 48	# 39
ACCEPT	Г.					ion 33-3	,	Comment Status A on-2P = Pclass-2P / Vpse. not match the adopted baseli	ne.	PSE Powe
C/ 33 Yseboodt, Le	SC 33.2.7.3 ennart	P 100 Philips	L 39	# 37	Suggestee Icon-2		dy lass / Vpse	9		
Comment Ty Referenc	<i>vpe</i> ER ce to 33.4.6 is	Comment Status A not an XREF.		Editorial	Response ACCE			Response Status C		
SuggestedRe Fix.	emedy				EZ					
Response ACCEPT	г	Response Status C			C/ 33 Yseboodt,		33.2.7.4 rt	P 101 Philips	L 24	# 40
EZ					Comment A PSE		TR currently s	Comment Status A upport a "double unbalance" I	peak current.	Pres: Lennart10
					comm Response	sebood ient) e	t_10_1115	5_Figure_33_14_v3xx.pdf (tha <i>Response Status</i> C	t file addresses	more than just this
						by 139	PRINCIPL	Ε.		

C/ 33 SC 33.2.7. Seboodt, Lennart	4.1 <i>P</i> 102 Philips	L 5	# 41	C/ 33 SC 33.2.7.6 Yseboodt, Lennart	P 104 Philips	L 10	# 44
	Comment Status A ir current due to E2EP2PRunb 11 during normal operating cor		<i>Editorial</i> I con-2P-unb as	Comment Type ER Reference to Equation 3 SuggestedRemedy	Comment Status A 33-4 is not a hyperlink.		Editorial
Reword.				Fix.			
SuggestedRemedy				Response	Response Status C		
	ir current does not exceed I co ting conditions due to unbaland		ned in Table 33-11	ACCEPT.			
Response	Response Status C			EZ			
ACCEPT IN PRINCI	PLE.			C/ 33 SC 33.2.7.6	P 104	L 11	# 45
" the maximum pa	ir current including unbalance	does not exceed	I con-2P-unb as	Yseboodt, Lennart	Philips		
defined in Table 33-	11 during normal operating cor	nditions."		Comment Type TR	Comment Status A		PSE Power
2 33 SC 33.2.7. seboodt, Lennart	4.2 <i>P</i> 102 Philips	L 33	# 42		d may be greater than or eq I CUT-2P threshold needs		
Comment Type E Section 33.2.7.4.2 c	Comment Status A ontains only: "See Annex 33B"	'.	Editorial	The I_CUT-2P range is This text does not matc	defined by Table 33-11. h with what should be in Ta	ble 33-11.	
SuggestedRemedy Remove section but	include text above as sentenc	e with reference t	o Annex 33B.	·	and Icut-2p max is defined b	y the relevant up	perbound template.
Response ACCEPT IN PRINCI	Response Status C PLE.			SuggestedRemedy Remove both sentence: double-specify.	s. The definition is clear fror	n Table 33-11 an	d we should not
Make sentence "See	Annex 33B for(title of remo	ved section)."		Response ACCEPT.	Response Status C		
C/ 33 SC 33.2.7.	5 P 102 Philips	L 47	# [43	Cl 33 SC 33.2.7.6	P 104	L 11	# 46
	Comment Status A		Editorial	Yseboodt, Lennart	Philips		
Comment Type ER Reference to 33.3.7.			Editorial	Comment Type ER	Comment Status A		Editoria
SuggestedRemedy				Reference to Figure 33-	14 is not a hyperlink.		
Fix.				SuggestedRemedy			
Response	Response Status C			Fix.			
ACCEPT.	•			Response	Response Status C		
EZ				ACCEPT.			
				EZ			

C/ 33	SC 3	3.2.7.4.2	P 102	L 33	# 42	
Ysebood	t, Lennart		Philips			
Commen	t Type	Е	Comment Status A		Edit	orial
Secti	on 33 2 7	4.2 contai	ins only: "See Anney 33B"			

Comment ID 46

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

C/ 33 SC 33.2.7.7	P 106	L 12	# 47	C/ 33 SC 33.2.7.1	1a <i>P</i> 109	L 50	# 50
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type ER In Figure 33-14c, I_TBE	<i>Comment Status</i> A DNAME should be renamed.		Pres: Lennart6		Comment Status A ates to a maximum IPort-2P	current ITBDNAN	PSE Power IE defined in Equation
Response ACCEPT IN PRINCIPLI	6_1115_Ptype_baseline_v1 Response Status C	xx.pdf		Response	nable name. s of I_TBDNAME to I_LPS <i>Response Status</i> C		
Obe by lennart10				ACCEPT.			
C/ 33 SC 33.2.7.7 Yseboodt, Lennart	P 106 Philips	L 12	# 48	EZ C/ 33 SC 33.2.7.1	1a <i>P</i> 109	L 53	# [54
Comment Type TR	Comment Status A		Editorial Fix	Yseboodt, Lennart	P 109 Philips	L 33	# 51
The bottom row, I_LIM- SuggestedRemedy	3-7b and 33-7c for I_PSELT- 2P min for T_CUT-2P min <= v to I_Con-2P for (T_CUT-2P <i>Response Status</i> C	= t) is wrong.	/paste error.	SuggestedRemedy Remove inner bracke Response ACCEPT.	Comment Status A needed in the unnumbered e s. <i>Response Status</i> C	equation on I_LPS	Editorial
Cl 33 SC 33.2.7.7 Yseboodt, Lennart Comment Type ER Equation 33-7 is garbled SuggestedRemedy Redo equation shrinkwr Response ACCEPT. EZ		L 5	# 49 Editorial	SuggestedRemedy	1a P 109 Philips Philips Comment Status A mbered I_LPS) is missing. A nd where clause with variable Response Status C	L 53	# <u>52</u> Editorial

C/ 33 SC 33.2.7.11	1a P 109	L 53	# 53	C/ 33 SC 33.3.2	P 115	L 7	# 56
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type ER	Comment Status A		Editorial	Comment Type ER	Comment Status A		Types
Equation 33-7d (I_tbdr	name) has no number.				rized as either Type 1, or Type		
SuggestedRemedy				parameters."	3-13a shows the permissible PI	D types along with	n supported
Number and label as 3	33-7d.			·			
Response ACCEPT.	Response Status C			Table 33-13a and so These are separate	upporting text combines 'signate concepts.	ure' and Type.	
AUDEL 1.				SuggestedRemedy			
EZ				Change text to:	rized as either Type 1, Type 2,		4
<i>Cl</i> 33 <i>SC</i> 33.2.9.1 . Yseboodt, Lennart	2 P 113 Philips	L 10	# 54	PDs can be constru 33.2.5.0a.	cted as single-signature or dua	I-signature as del	ined in 1.4 and
Comment Type E	Comment Status A		Editorial	Table 33-13a shows	s the permissible PD types alon	g with supported	parameters."
	ach pairset and use the appre	opriate I Hold lev		Change Table 33-13	Ba to yseboodt_7_1115_Table_	_33_13a_v1xx.pdf	-
11."				Response	Response Status C		
Table ref is not a hype	rlink.			ACCEPT.	,		
SuggestedRemedy							
Fix.				Cl 33 SC 33.3.2	-	L 28	# 57
Response	Response Status C			Yseboodt, Lennart	Philips		
ACCEPT.				Comment Type ER	Comment Status A		Editorial
EZ				Reference to 33.3.8	is not an XREF.		
C/ 33 SC 33.3.2	DAAE	L 7	# [==	SuggestedRemedy			
C/ 33 SC 33.3.2 Yseboodt, Lennart	P 115 Philips	LI	# 55	Fix.			
	•			Response	Response Status C		
Comment Type ER	Comment Status A	le a cara al l	Editorial	ACCEPT.			
	naterial, but is formatted as 'c	changed.		EZ			
SuggestedRemedy							
 Add editing instructio Remove underlines 	n "Insert Table 33-13a as fol	lows:"					
Response	Response Status C						
ACCEPT.							
EZ							

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

Comment ID 57

C/ 33 SC 33.3.2 /seboodt, Lennart	2 P 116 Philips	L 16	# 58	C/ 33 SC 33.3.4 Yseboodt, Lennart	P 123 Philips	L 6	# 61
Comment Type E	Comment Status R			Comment Type T	Comment Status A		Editorial
	's Note: Need to move two norm	ative requiremer	ts from section	••	V is not descriptive.		
Let`s move them. W	Vhich two ?			SuggestedRemedy Change to 'V_PD <	10.1V' twice		
SuggestedRemedy				Response	Response Status C		
TFTD				ACCEPT.	Response Status		
Response	Response Status C						
REJECT.				EZ			
C/ 33 SC 33.3.4		L 9	# 59	C/ 33 SC 33.3.5		L 39	# 62
seboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type E	Comment Status A		Editorial	Comment Type T	Comment Status A		
	D may indicate the ability to acc n Table 79-6b or TBD."	ept power on bot	h pairsets using TLV		"s Note: The interaction of DLL a ments are welcome."	and Physical Lay	ver Classification needs
Clarify.				SuggestedRemedy Either:			
SuggestedRemedy "Any PD may indica	ate the ability to accept power on) both pairsets us	ing TLV variable PD	 clarify editor`s not remove note. 	as to which interaction is unclea	ar, or	
4P-ID in Table 79-6	b or other (TBD) means."			Response	Response Status C		
Response	Response Status C			ACCEPT IN PRINC	CIPLE.		
ACCEPT.				Remove note.			
EZ							
C/ 33 SC 33.3.4	P 122	L 43	# 60				
'seboodt, Lennart	Philips						
Comment Type E 'V offset' has space	Comment Status A in between.		Editorial				
SuggestedRemedy Change to 'V_offset	ť						
Response ACCEPT.	Response Status C						
EZ							

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

C/ 33 SC 33.3.5 P 123 L 46 # 63 C/ 33 SC 33.3.7.1 P 129 L 30 # 66 Yseboodt, Lennart Yseboodt, Lennart Philips Philips Comment Type **TR** Comment Status A Comment Type ER Comment Status A Editorial "The Physical Laver classification of the PD is the maximum power that the PD draws Table 33-18. Item 4. Add info. Font size inconsistency. across all input voltages and operational modes." SuggestedRemedy Fix. The intent is clear, a shall was forgotten. Response Response Status C SuggestedRemedy "The Physical Layer classification of the PD is the maximum power that a Type 1 or Type 2 ACCEPT. PD draws across all input voltages and operational modes. ΕZ The advertised class during Physical Layer classification of the PD is the maximum power that a Type 3 or Type 4 PD shall draw across all input voltages and operational modes." C/ 33 SC 33.3.7 P 129 L 31 # 67 Yseboodt, Lennart Philips Response Response Status C ACCEPT. Comment Type ER Comment Status A Editorial Table 33-1 is not an XREF. SC 33.3.5.1 C/ 33 P 125 L 22 # 64 SuggestedRemedy Yseboodt, Lennart Philips Fix. Comment Status A Comment Type ER **F**ditorial Response Response Status C Table 33-16 Caption= "Classification signature, measured at PD PI" ACCEPT. 'the' missina SuggestedRemedy F7 "Classification signature, measured at the PD PI" C/ 33 SC 33.3.7 P 129 L 45 # 68 Response Response Status C Yseboodt, Lennart Philips ACCEPT. Editorial Comment Type E Comment Status A ΕZ Table 33-18, Item 5, parameter name is incorrectly split in the cell. C/ 33 SC 33.3.7 P 129 L 1 # 65 SuggestedRemedy Fix. Yseboodt, Lennart Philips Response Response Status C Comment Type ER Comment Status A Editorial ACCEPT. Table 33-18 belongs to section 33.3.7 and following sections should come after the table. SuggestedRemedy F7 Make sure Table is in front of section 33.3.7.1 Response Response Status C ACCEPT. ΕZ

IEEE P802.3bt D1.4 4-Pair Power over Ethernet 7th Task Force review comments

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

C/ 33 SC 33.3.7 Yseboodt, Lennart	P 129 Philips	L 45	# 69	C/ 33 SC 33.3.7.2 Yseboodt, Lennart	P 131 Philips	L 5	# 72
only once.	Comment Status A em 7 and Item 10 can be corr roposals in Table 33-11.	pacted by writin	PSE Power g the parameter name	Comment Type ER "P Class_PD in Table Further clarification is	Comment Status A 33-16a is determined by the needed.	Class assigned b	Editorial by the PSE."
SuggestedRemedy Implement yseboodt_S Response ACCEPT.	9_1115_Table_33_11_item1_ Response Status C	7.pdf		advertised Class by th	lass is determined by the nur le PD, as shown in Table 33-		
C/ 33 SC 33.3.7 Yseboodt, Lennart	P 130 Philips	L 1	# 70	Response ACCEPT. EZ	Response Status C		
Comment Type ER Table 33-18, Addittion: SuggestedRemedy	Comment Status A al information column uses in	consistent font s	Editorial ize.	Cl 33 SC 33.3.7.3 Yseboodt, Lennart	P 132 Philips	L 6	# 73
Fix. Response ACCEPT. EZ	Response Status C			Comment Type ER Reference to 33.2.7.4 SuggestedRemedy Fix.			Editorial
C/ 33 SC 33.3.7 Yseboodt, Lennart	P 130 Philips	L 50	# 71	Response ACCEPT. EZ	Response Status C		
Comment Type E Warning: legacy text! " with a series resista	Comment Status A ance within the range of valid	Channel Resista	Editorial	C/ 33 SC 33.3.7.5 Yseboodt, Lennart	P 133 Philips	L 41	# [74
	ance within the range R_ch"			0	Comment Status A 3-18 is not a hyperlink.		Editorial
Response ACCEPT.	Response Status C			SuggestedRemedy Fix. Response ACCEPT. EZ	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: Comment ID

Comment ID 74

Yseboodt, Le	nnart	P 134 Philips	L 37	# 75	<i>CI</i> 33 Yseboodt, I	SC 33.3.7.6 Lennart	P 135 Philips	L 14	# 78
Comment Ty Referenc		<i>Comment Status</i> A 33-13a is not a hyperlink.		Editorial	Comment 7 "A sing	51	Comment Status A shall include C port as define	ed in Table 33-18	<i>Editorial</i> 8 item 9."
SuggestedRe Fix.	emedy				We dou Suggested	•	fic items in a Table anywhere	else.	
Response		Response Status C				•	shall include C port as define	ed in Table 33-18	8."
ACCEPT EZ					Response ACCEF	PT.	Response Status C		
C/ 33 Yseboodt, Le	SC 33.3.7.5	P 134 Philips	L 37	# 76	EZ				
Comment Ty		Comment Status A -18 is not a hyperlink.		Editorial	CI 33 Yseboodt, I	SC 33.3.7.6 Lennart	P 135 Philips	L 19	# 79
SuggestedRe	•	- To is not a hypennik.			Comment 7 'single	<i>Type</i> E signature' is mis	<i>Comment Status</i> A ssing a dash.		Editorial
Fix. Response		Response Status C			Suggested Change	<i>Remedy</i> e to 'single-signa	ature'.		
ACCEPT EZ					Response ACCEF	PT.	Response Status C		
C/ 33 Yseboodt, Le	SC 33.3.7.5	P 134 Philips	L 48	# 77	EZ				
Comment Ty		Comment Status A		Editorial	<i>CI</i> 33 Yseboodt, I	SC 33.3.7.6	P 135	L 29	# 80
		minimum power output by the	e PSE, as define		Comment 7		Philips Comment Status A		[stite sig]
	le 33-7 and Se	ection 33.2.6 are not proper c	ross references.		Type 1	<i>71</i>	s a dash to list the requireme	nts, whereas fol	<i>Editorial</i> lowing text uses a) and
SuggestedRe	-				Suggested	•			
	EF, remove w					to check style g	uide and apply.		
Response ACCEPT		Response Status C			Response	, ,	Response Status C		
					ACCEF	PT.			
EZ					EZ				

C/ 33 SC 33.3.7.6 Yseboodt, Lennart	P 135 Philips	L 50	# 81	C/ 33 SC 33.3.7.6 Yseboodt, Lennart	6 P 136 Philips	L 12	# 84
Comment Type E Equation 33-14 has an	Comment Status A italic 'mA' as unit at the end	that should be no	Editorial		Comment Status A ance within 2.5% of R Ch (see	e Table 33-1),"	Editoria
SuggestedRemedy Change to 'mA' to norm	nal.			Fix hyperlink + chang SuggestedRemedy			
Response ACCEPT.	Response Status C			" the source impeda Response ACCEPT.	ance within 2.5% of R Ch as o <i>Response Status</i> C	defined in Table 33	-1,"
EZ				EZ			
C/ 33 SC 33.3.7.6 Yseboodt, Lennart	P 136 Philips	L 3	# 82	C/ 33 SC 33.3.7.6 Yseboodt, Lennart	6 P 136 Philips	L 13	# 85
Comment Type E Use spaces between nu also on line 24	<i>Comment Status</i> A umber and units.		Editorial	Comment Type ER	Comment Status A n 33-14 is not a hyperlink.		Editoria
SuggestedRemedy Add spaces between กเ	umbers and units.			SuggestedRemedy Fix.			
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
EZ				EZ			
C/ 33 SC 33.3.7.6 Yseboodt, Lennart	P 136 Philips	L 7	# 83	C/ 33 SC 33.3.7.6 Yseboodt, Lennart	5 P 136 Philips	L 18	# 86
Comment Type ER Reference to Figure 33-	<i>Comment Status</i> A -18 is not a hyperlink.		Editorial	Comment Type ER Reference to Figure 3	Comment Status A 33-18 is not a hyperlink.		Editoria
SuggestedRemedy Fix.				SuggestedRemedy Fix.			
Response ACCEPT.	Response Status C			Response ACCEPT.	Response Status C		
EZ				EZ			

C/ 33 SC 33.3.7.	6 P 136	L 23	# 87	CI 33	SC 33.3.8	P 138	L 26	# 90
Yseboodt, Lennart	Philips			Yseboodt,	Lennart	Philips		
Comment Type E	Comment Status A		Editorial	Comment	Туре Е	Comment Status A		Editoria
" the source imped Fix hyperlink + chang	lance within 2.5% of R Ch (see ge wording.	Table 33-1),"				-1 PD Maintain Power Signat n (references are correct to 3		
SuggestedRemedy				Suggested	Remedy			
" the source imped	lance within 2.5% of R Ch as d	efined in Table 3	3-1,"	Table 3	33-19 PD Mainta	ain Power Signature.		
Response	Response Status C			Response		Response Status C		
ACCEPT.				ACCE	PT.			
EZ				EZ				
C/ 33 SC 33.3.7.	6 P 136	L 24	# 88	CI 33	SC 33.3.8	P 139	L 4	# 91
/seboodt, Lennart	Philips			Yseboodt,	Lennart	Philips		
Comment Type ER	Comment Status A		Editorial	Comment	Туре Е	Comment Status A		Editoria
Reference to Equation	on 33-14 is not a hyperlink.					-1a PD DC Maintain Power S		
SuggestedRemedy					-	n (references are correct to 3	3-19a though)	
Fix.				Suggested				
Response	Response Status C				33-19a PD DC N	Maintain Power Signature		
ACCEPT.				Response		Response Status C		
EZ				ACCE	эт.			
				EZ				
C/ 33 SC 33.3.7.		L 9	# 89	CI 33	SC 33.4.9.1.	4c <i>P</i> 151	L 36	# 92
seboodt, Lennart	Philips			Yseboodt,		Philips	- 00	
Comment Type TR	Comment Status A		PD Power	Comment		Comment Status A		Editoria
"All Class 5 and high any pair."	ner PDs shall not exceed I con-	2P-unb as define	ed in Table 33-11 on		an PSEs intend	ed for operation with 10GBAS	SE-T (variants 5 a	
Does not specify tim	ing. This only applies for t>Tcu	t-2P min		Natar				
uggestedRemedy				Not an				
"All Class 5 and high defined in Table 33-2	ner PDs shall not exceed I con-2 11 on any pair."	2P-unb for longe	r than T_cut-2P min as	Suggested Fix XR	<i>Remedy</i> EF and remove	word 'Clause'.		
Response	Response Status C			Response		Response Status C		
ACCEPT.				ACCE	PT.			
				EZ				
				L				

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

C/ 33 SC 33.6.1 Yseboodt, Lennart	P 159 Philips	L 23	# 93	C/ 33 SC 33.6. Yseboodt, Lennart	3.5 <i>P</i> 166 Philips	L 3	# 95
Comment Type T	Comment Status A		Pres: Wendt1	Comment Type T	Comment Status A		Editoria
all mandatory parts of IEI	ations that support Data Lin EE Std 802.1AB-2009 shall ned in 79.3.2 and shall supp	support the Pov	wer via MDI Type,	"Autoclass" via LLI SuggestedRemedy	gure 33-28 implement new featu)P. New Type 3 and Type 4 LLDP fe	·	
We decided to have two					pe included in state diagrams"		
See presentation "wendt_ proposal.	_1_1115_LLDP_Extensions	s_vxxx.pdf" and	related baseline	Response	Response Status C		
SuggestedRemedy				ACCEPT.			
	pport Data Link Layer class	ification shall co	omply with all	EZ			
Value (TLV) defined in 79	Std 802.1AB-2009 shall su 9.3.2 and the Power via MD htrol state diagrams defined	I Measurements	via MDI Type, Length, s TLV defined in 79.3.7	C/ 33 SC 33B. Yseboodt, Lennart	B P 194 Philips	L 40	# 96
_							
Response	Response Status C			Comment Type E	Comment Status A		Editoria
ACCEPT IN PRINCIPLE.				51	Comment Status A cation of Icon-2P_unb in step 6 c	confirms PSE co	Editoria nformance to Equation
ACCEPT IN PRINCIPLE.	Ipport Data Link Layer class			original text: "Verifi (33-4b)."	cation of Icon-2P_unb in step 6 c		nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir	apport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe	upport the Powe r via MDI Measu	r via MDI Type, urements TLV defined	original text: "Verifi (33-4b)." Wording is misslea			nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall suppo	ipport Data Link Layer class Std 802.1AB-2009; shall su	upport the Powe r via MDI Measu	r via MDI Type, urements TLV defined	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33- -2P_unb in step 6 confirms PSE	4b would be abo	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall support C/ 33 SC 33.6	apport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram	upport the Powe r via MDI Measu ns defined in 33.	r via MDI Type, urements TLV defined 6.3."	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icon	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33- -2P_unb in step 6 confirms PSE	4b would be abo	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall support C/ 33 SC 33.6 Yseboodt, Lennart	upport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram P 159	upport the Powe r via MDI Measu ns defined in 33.	r via MDI Type, urements TLV defined 6.3."	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icon conformance to Ec	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33- h-2P_unb in step 6 confirms PSE uation (33-4b)." <i>Response Status</i> C	4b would be abo	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall support C/ 33 SC 33.6 Yseboodt, Lennart Comment Type ER "Type 2, Type 3 and Type	upport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram <i>P</i> 159 Philips	upport the Powe r via MDI Measu ns defined in 33. <i>L</i> 36 han Class 3 pow	r via MDI Type, urements TLV defined 6.3." # 94 <i>Editorial</i> ver levels, or Type	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icon conformance to Ec Response	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33- h-2P_unb in step 6 confirms PSE uation (33-4b)." <i>Response Status</i> C CIPLE.	4b would be abo	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall support C/ 33 SC 33.6 Yseboodt, Lennart Comment Type ER "Type 2, Type 3 and Type 3/DS and Type 4/DS PDs	apport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram <i>P</i> 159 Philips <i>Comment Status</i> A e 4 PDs that require more th	upport the Powe r via MDI Measu ns defined in 33. <i>L</i> 36 han Class 3 pow lassification (see	r via MDI Type, urements TLV defined .6.3." # 94 <i>Editorial</i> ver levels, or Type e 33.3.5)."	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icor conformance to Ec Response ACCEPT IN PRINC Also, replace step	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33- h-2P_unb in step 6 confirms PSE uation (33-4b)." <i>Response Status</i> C CIPLE.	4b would be abo E RPair_max and	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall support C/ 33 SC 33.6 Yseboodt, Lennart Comment Type ER "Type 2, Type 3 and Type 3/DS and Type 4/DS PDs	Ipport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram <i>P</i> 159 Philips <i>Comment Status</i> A e 4 PDs that require more the s support Data Link Layer c	upport the Powe r via MDI Measu ns defined in 33. <i>L</i> 36 han Class 3 pow lassification (see	r via MDI Type, urements TLV defined .6.3." # 94 <i>Editorial</i> ver levels, or Type e 33.3.5)."	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icor conformance to Ec Response ACCEPT IN PRINC Also, replace step	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33-4 h-2P_unb in step 6 confirms PSE uation (33-4b)." <i>Response Status</i> C CIPLE. 1) with:	4b would be abo E RPair_max and	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall support C/ 33 SC 33.6 Yseboodt, Lennart Comment Type ER "Type 2, Type 3 and Type 3/DS and Type 4/DS PDs Signature and Type are s SuggestedRemedy "Type 2, Type 3, and Type	Ipport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram <i>P</i> 159 Philips <i>Comment Status</i> A e 4 PDs that require more the s support Data Link Layer c	upport the Powe r via MDI Measu as defined in 33. <i>L</i> 36 han Class 3 pow lassification (see eviation Type x/E	r via MDI Type, urements TLV defined 6.3." # 94 <i>Editorial</i> ver levels, or Type e 33.3.5)." DS should not be used.	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icor conformance to Ec Response ACCEPT IN PRINO Also, replace step 1) Use Rload_min	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33-4 h-2P_unb in step 6 confirms PSE uation (33-4b)." <i>Response Status</i> C CIPLE. 1) with:	4b would be abo E RPair_max and	nformance to Equation
ACCEPT IN PRINCIPLE. "Implementations that su mandatory parts of IEEE Length, Value (TLV) defir in 79.3.7; and shall suppor CI 33 SC 33.6 Yseboodt, Lennart Comment Type ER "Type 2, Type 3 and Type 3/DS and Type 4/DS PDs Signature and Type are s SuggestedRemedy "Type 2, Type 3, and Typ signature PDs support Da	apport Data Link Layer class Std 802.1AB-2009; shall su ned in 79.3.2 and the Powe ort the control state diagram <i>P</i> 159 Philips <i>Comment Status</i> A e 4 PDs that require more the s support Data Link Layer conseparate entities. The abbre one 4 PDs that require more the support bata construction of the support bata construction	upport the Powe r via MDI Measu as defined in 33. <i>L</i> 36 han Class 3 pow lassification (see eviation Type x/E	r via MDI Type, urements TLV defined 6.3." # 94 <i>Editorial</i> ver levels, or Type e 33.3.5)." DS should not be used.	original text: "Verifi (33-4b)." Wording is misslea SuggestedRemedy "Verification of Icor conformance to Ec Response ACCEPT IN PRINO Also, replace step 1) Use Rload_min	cation of Icon-2P_unb in step 6 c ding to expect that Equation 33-4 h-2P_unb in step 6 confirms PSE uation (33-4b)." <i>Response Status</i> C CIPLE. 1) with:	4b would be abo E RPair_max and	nformance to Equation ut current.

C/ 33 SC 33D.1 Yseboodt, Lennart	P 197 Philips	L 11	# 97	C/ 33 SC 33D.1 Yseboodt, Lennart	P 198 Philips	L 37	# 100
Comment Type E "The following table s	Comment Status A	fication for Type 3	<i>Editorial</i> 3 and Type 4 PSEs."	Comment Type E Bottom line of table mi	Comment Status A		Editoria
SuggestedRemedy "Table 33D-1 shows s	single-signature classification	for Type 3 and T	ype 4 PSEs."	SuggestedRemedy Draw bottom line.			
Response ACCEPT IN PRINCIP	Response Status C PLE.			Response ACCEPT IN PRINCIPI	Response Status C _E.		
OBE by 151				OBE by 151			
EZ				EZ			
C/ 33 SC 33D.1 Yseboodt, Lennart	P 197 Philips	L 17	# 98	C/ 33 SC 33.2.4.4 Yseboodt, Lennart	Р 1 Philips	L 1	# 101
Comment Type E Table is open at the b also on page 197 and SuggestedRemedy Close Table. Response ACCEPT IN PRINCIP OBE by 151 EZ	i 198. Response Status C		Editorial	Comment Type E No spaces between Va 33.2.4.4, page 61, line 33.2.4.4, page 62, line 33.2.4.4, page 63, line SuggestedRemedy Add spaces. Response ACCEPT. EZ	17		Editoria
C/ 33 SC 33D.1 /seboodt, Lennart	P 197 Philips	L 50	# 99				
Comment Type E Bottom line of table m SuggestedRemedy Draw bottom line.	Comment Status A nissing		Editorial				
Response ACCEPT IN PRINCIP	Response Status C PLE.						
OBE by 151							

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

C/ 33 SC 33 Yseboodt, Lennart	P 43 Philips	L 1	# 102	C/ 33 Yseboo	SC 33 dt, Lennart	3.1.4	P 46 Philips	L 17	# 103
Comment Type ER Clause 33 has become	Comment Status R very complicated. See pres	entation to start	Pres: Lenna a new Clause.			E is "Syst	Comment Status A em power parameters Vs Ma	iximum PSE Cla	Editorial ass"
SuggestedRemedy See yseboodt_1_1115_ Editor to:	newclause_v1xx.pdf			Sugges	onsistent cap tedRemedy inge to "Sys		ion. wer parameters vs maximum	PSE Class"	
 Create a new Clause (only the text that describ we will comment. 	nts on D1.4 into D1.5 as into 133?) and copy the conten bes Type 3 and Type 4 beh m latest maintenance proje	ts of D1.5 Claus avior. This beco	mes D1.6 against whic	Respon h AC EZ	se CEPT.		Response Status C		
Response REJECT. Straw Poll (Chicago Rul	Response Status C			CI 33 Yseboo	SC 33 dt, Lennart	3.1.4	P 46 Philips	L 20	# 104
Split: 11							Comment Status A es to indicate the maximum n first time	ominal power. T	Editorial he concept of Class is
Keep: 17 Non-Chicago rules:				Sugges	tedRemedy		o the header of the firs colum	n	
Split: 10					e to read: "S		le 33-7 for a mapping of Clas		t power" below Table
Keep: 8				Respon AC	se CEPT.		Response Status C		
Abstain: 3				EZ					
	auses within clause 33 as	shown in Lennar	t's TOC email.	<i>CI</i> 33 Yseboo	SC 33	3.1.4	P 46 Philips	L 23	# 105
Vote: Split: 19 Do not split: 11 Abstain: 11				"twi	le 33-1:		Comment Status A rr 14.4 and 14.5 (Class D or C d.	Category 5 recor	Editorial
					<i>tedRemedy</i> nge to 'Twis				
				Respon AC	se CEPT.		Response Status C		
				EZ					

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

Comment ID 105

Cl 33 SC 33.1.4 Yseboodt, Lennart Comment Type E e "I Cable is the current on c Confusing. Are we twisting SuggestedRemedy		L 44	# 106	C/ 33 SC 3: Yseboodt, Lennart	3.2.4	P 57 Philips	L 49	# 108		
Comment Type E "I Cable is the current on c Confusing. Are we twisting	Comment Status D ne twisted pair in the mult		Editorial	i soboout, connart		i impo				
"I Cable is the current on c Confusing. Are we twisting	ne twisted pair in the mult			Commont Tuno	-	Commont Status		Editoria		
SuggestedRemedy	multiple times?	ti-twisted pair ca		Comment Type E Comment Status A Edu In the state diagrams variale list, the first value comes right after "Values:" Example:						
"I Cable is the current on o		ted pair cable."		ovld_det_b A variable indicating Values:False: The PSE has not detected an overload condition on Alternative B. True: The PSE has detected an overload condition on Alternative B.						
REJECT.	esponse Status Z			SuggestedRemedy						
This comment was WITHE	RAWN by the commente	r.		Readability wou	uld be gre	eatly improved if we introduc indented on a second line.	es a newline afte	er "Values:" and start		
This is existing text. Do we there are multiple twisted p				Response ACCEPT.		Response Status C				
C/ 33 SC 33.2.0a /seboodt, Lennart	P 48 Philips	L 11	# [107	EZ						
Comment Type E	Comment Status A		Editorial							
"Table 33-1a summarizes Table ref is not a hyperlink		es along with sup	oported parameters."							
SuggestedRemedy Fix.										
Response F ACCEPT.	Pesponse Status C									
EZ										

C/ 33 SC 33.2. Yseboodt, Lennart	4.1 <i>P</i> 58 Philips	L 5	# 109		<i>CI</i> 33 Yseboodt,	SC 33.2 .	4.1	P 58 Philips	L 15	# 110	
Comment Type TR				Editorial	Comment		C	Comment Status A		Editorial	
D1.3:	ation, and power turn-on timi	ng shall meet the s			"If the PSE cannot supply power within T pon , it initiates and successfully completes a new detection cycle before applying power. See section 33.2.7.12 for details." Wrong way to refer (don't use word section).						
Detection timing re Classification timin Autoclass timing re Power turn-on timin Comment #58 cha	timing requirements are spe equirements are specified in g requirements are specified equirements are specified ing requirements are specified ng requirements are specified	Fable 33-4. in Table 33-10. Fable 33-10a. d in Table 33-11.	a.		Suggested "If the	dRemedy PSE cannot etection cycl	supply p e before	oower within T pon , it in applying power, see 33 esponse Status C		ssfully completes a	
Was that shall redu	undant ?								• • •		
SuggestedRemedy If yes: no action ne	eded.				CI 33 Yseboodt,	SC 33.2. Lennart	4.4	P 59 Philips	L 20	# 111	
Detection timing sh Classification timin Autoclass timing sh	timing shall meet the require nall meet the requirements as g shall meet the requirement hall meet the requirements a ng shall meet the requiremer	s specified in Table is as specified in Ta s specified in Table	33-4. able 33-10. 33-10a.		Suggested	pair_candida dRemedy	te should	Comment Status A d be gone, there is a PE		<i>Editorial</i> ady.	
Response	Response Status C				Response Response Status C						
ACCEPT IN PRING	CIPLE.				ACCE	PT.					
The shall was redu	intant because all of those ta	bles have shalls as	sociated with the	m.	EZ						
No changes result	from accepting this commen	t			C/ 33 Yseboodt,	SC 33.2. Lennart	4.4	P 60 Philips	L 3	# 112	
						iable indicati	ng if the	Comment Status A PSE output current ove at least T CUT-2P of a			
					Rewo	rd.					
					Suggestee	dRemedy					
								PSE output current ove at least T CUT-2P with			
					Response	•		esponse Status C		-	
					ACCE	PT.					
					EZ						
	quired ER/editorial required D/dispatched A/accepted R/					d 7/withdray	'n	Comn	nent ID 112	Page 26 of 57	

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

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CI 33 SC 33.2.4	.4 P 60	L 20	# 113	C/ 33	SC 33.2.4.5	P 67	L 14	# 116		
Yseboodt, Lennart	Philips			Yseboodt	, Lennart	Philips				
Comment Type T	Comment Status A		Editorial	Comment	tType E	Comment Status A		Editorial		
diagram a needless	_pwr is off-by-one with the Clas headache.	s number, causir	ng a reader of the class	"do_cnx_check: This function returns the following variables:" Function only returns one variable. also on line 28.						
SuggestedRemedy				Suggeste						
Do not use value 0 t values.	for PSE_avail_pwr and this mat	tches Class no. w	vith PSE_avail_pwr		ge 'variables' to 'v	variable'.				
Response	Response Status C			Response	9	Response Status C				
ACCEPT IN PRINC	IPLE.			ACCE	EPT.					
Do this on new Type	e 3/4 SD.			EZ						
C/ 33 SC 33.2.4 Yseboodt, Lennart	.4 P 60 Philips	L 33	# 114	CI 33 Yseboodt	SC 33.2.4.5 , Lennart	P 68 Philips	L 18	# 117		
Comment Type E	Comment Status A		Editorial	Comment	tType E	Comment Status A				
'ramp of voltage' is a liss also on line 41	strange.				tation below "Sign on line 19.	nature_A" is incorrect.				
SuggestedRemedy				Suggeste	dRemedy					
change to 'ramp up	of voltage'.			Fix id	ent.					
Response ACCEPT.	Response Status C			Response ACCE		Response Status C				
EZ				EZ						
C/ 33 SC 33.2.4 Yseboodt, Lennart	.4 P 63 Philips	L 40	# 115	CI 33 Yseboodt	SC 33.2.4.5 , Lennart	P 69 Philips	L 24	# 118		
Comment Type E 'ramp of voltage' is a	Comment Status A strange.		Editorial	Comment Inden		Comment Status A meter type is incorrect.		Editorial		
SuggestedRemedy				Suggeste	dRemedy					
change to 'ramp up	of voltage'.			Fix.						
Response	Response Status C			Response	e	Response Status C				
ACCEPT.				ACCE	EPT.					
EZ				EZ						

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

Comment ID 118

Cl 33 SC 33.2.4. Yseboodt, Lennart	.7 P 76 Philips	L 41	# 119	<i>CI</i> 33 Yseboodt, Le	SC 33.2.5.6	P 85 Philips	L 25	# 122
Comment Type E	Comment Status A		Editorial	Comment Ty		Comment Status A		Editorial
21	ge 76 is missing the word "(cont	inued)" in the fig		original te	ext: "the resul	t of connection check as deso	cribed in 33.2.5.0	
SuggestedRemedy Add 'continued'.					esults of othe e is not corre			
	Response Status C			SuggestedRe	,			
Response ACCEPT.				Change t	o 33.2.5.0a			
EZ				Response ACCEPT	IN PRINCIPI	Response Status C _E.		
Cl 33 SC 33.2.4	.7 <i>P</i> 80	L 7	# 120	Editor to	check with th	e IEEE rules.		
Yseboodt, Lennart	Philips			C/ 33	SC 33.2.6	P 85	L 38	# 123
Comment Type TR	Comment Status D		Pres: Lennart2	Yseboodt, Le		P 65 Philips	L 30	# 123
2P, 4P single-sig an In addition we also r SuggestedRemedy yseboodt_2_1115_r Proposed Response REJECT. This comment was w wfp	need a double MPS monitoring nps_state_machine_v1xx.pdf <i>Response Status</i> Z WITHDRAWN by the comment	state machine ar er.	nd variables.	between and Type 3/DS and Since the them as SuggestedRe "Addition	ally, mutual ic Type 1, Type 4/SS respec Type 4/DS r signature' is such here. medy ally, mutual ic	Comment Status A lentification allows Type 2, Ty 2, Type 3 and Type 4 single- tively) and Type 3 and Type 4 espectively)." a property of a PD and not p lentification allows Type 2, Ty 2, Type 3 and Type 4 PDs." Response Status C	signature PDs (a 4 dual-signature part of the Type, v	abbreviated Type 3/SS PDs (abbreviated Type we should not combine
Cl 33 SC 33.2.5. Yseboodt, Lennart	.0a P 81 Philips	L 6	# 121	ACCEPT		Response Status		
Comment Type E " of a PD as speci	Comment Status A fied in clause 33.2.6."		Editorial	EZ				
SuggestedRemedy " of a PD as speci	fied in 33.2.6."							
Response ACCEPT.	Response Status C							
EZ								

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

C/ 33 SC 33.2.6 Yseboodt, Lennart	P 85 Philips	L 48	# 124	C/ 33 Yseboodt,	SC 33.2 Lennart	.6	P 86 Philips	L 32	# 126
Comment Type E Cor " and the PD responds to ea number of power classification		a current represer	<i>Editorial</i> ting one of a limited		PD connect	ed to th	Comment Status A ne PSE performs Autoclass	s (see 33.3.5.3 a	<i>Editorial</i> and Annex 33C)"
power classifications is not a SuggestedRemedy " and the PD responds to ea number of classification signa	ach class event with a	current represer	ting one of a limited	Suggested	d <i>Remedy</i> PD connect "	ed to th	ne PSE performs Autoclass	s (see 33.2.6.3,	33.3.5.3, and Annex
Response Resp ACCEPT. Power classifications was use TFTD	ponse Status C ed in the AT spec and	is the title of tabl	e 33-7.	ACCE EZ C/ 33 Yseboodt,	PT. SC 33.2		P 86 Philips	L 32	# 127
Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type T Cor "Physical Layer classification asserts a voltage onto a pairs Seems to preclude applying th SuggestedRemedy "Physical Layer classification asserts a voltage onto one or	set and the PD" he class voltage on bo occurs before a PSE	oth pairsets at the	e same time.	Autocl This p <i>Suggested</i> " the	PSE may s lass," ower is called <i>Remedy</i> PSE may s the Autocla	et its m ed P_Au set its m ss mea	Comment Status A ninimum power output base utoclass. ninimum power output base asurement window," Response Status C	·	Ĵ
Response Resp ACCEPT.	ponse Status C			EZ					

C/ 33 SC 33.2.6 Yseboodt, Lennart	P 87 Philips	L 14	# 128	C/ 33 SC Yseboodt, Lenna	33.2.6.2 Int	P 92 Philips	L 23	# 131
Comment Type TR	Comment Status A		PSE Class	Comment Type	т	Comment Status A		Editori
Table 33-7 is lacking the Class 4, 1 Event => As	he row that describes Type 1 ssign Class 0, 15.4W).	and Type 2 pow	er demotion (Request	> 5.00 mA a	nd < 8.00 mA	stency in the Class signati May be class signature 0 o Either class signature 1 or	or 1	
SuggestedRemedy				> 13.0 MA a	nu < 16.0 mA	Entrer class signature 1 or	2	
Add row as second rov 4^Note, 1, 0, 15.4 W	w contents:			The other gr	ey zones also	use "Either"		
With Table Note 3:				SuggestedReme	dy			
"Only for Type 1 and T	Type 2 PSEs"			Replace Col	umn 2, Row 2	by "Either class signature	e 0 or 1"	
Response	Response Status C			Response	ŀ	Response Status C		
ACCEPT IN PRINCIPI	LE.			ACCEPT.				
Editor to combine this	row with row 1 if possible.			EZ				
C/ 33 SC 33.2.6	P 87	L 23	# 129	CI 33 SC	33.2.6.3	P 94	L 12	# 132
Yseboodt, Lennart	Philips			Yseboodt, Lenna	rt	Philips		
Comment Type ER	Comment Status A		Editorial	Comment Type	ER	Comment Status A		Editoria
SuggestedRemedy Make formatting consi Response	istent with eg. Table 33-1. Response Status C			POWER_ON	l state."	e transition of the POWER	_UP or SET_PA	RAMETERS state to
Response ACCEPT.	Response Status C				able P_Autocl	ass. ional to the PD requesting	Autoclass or no	t.
EZ				SuggestedReme				-
Ε Ζ				00		utoclass and the connected	d PD performs A	utoclass, the PSE
C/ 33 SC 33.2.6	P 89	L 4	# 130		re P_Autoclas			l de marchelle autorité de la comparte de
Yseboodt, Lennart	Philips					consumption of a connecte E1 and T_AUTO_PSE2, d		
Comment Type E	Comment Status A		Editorial	T_AUTO_PS	SE1 and T_AL	JTO_PSE2 timing is refere	enced from the tr	ansition of the
Table 33-8	d, not consistent with other ta	hles				RAMETERS state to the Po	OWER_ON state	9."
Also, contains redunda		5105.		Response	ŀ	Response Status C		
SuggestedRemedy				ACCEPT.				
- Delete Row 1 - Left align where need	ded			EZ				
Response	Response Status C							
ACCEPT.								
EZ								

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

Cl 33 SC 33.2.6.3 Yseboodt, Lennart	P 94 Philips	L 17	# 133	CI 33 SC 33.2.7 Yseboodt, Lennart	P 95 Philips	L 9	# 135			
Comment Type ER Unneeded underline or	Comment Status A last character.		Editorial	Comment Type TR Comment Status D PSE Power Remo "Power may be removed from both pairsets any time power is removed from one pairset." Also (page 104, line 29):						
SuggestedRemedy Remove underline.				"When connected to a single signature PD, a Type 3 or Type 4 PSE should (TBD) remove power from both pairsets before the current exceeds the "PSE upperbound template" on either pairset."						
Response ACCEPT. EZ	Response Status C			A Type 3/4 PSE su If a pairset is shut d	oplying power Class 5 or greate own, for whatever reason, the F ever (depending on PD consum	SE now operat	tes in an incorrect mode			
C/ 33 SC 33.2.6.3 Yseboodt, Lennart	P 94 Philips	L 46	# 134		erate in incorrect modes.					
Comment Type ER "P_ac_margin is minim in Watts".	Comment Status A num margin the PSE must ac	d to the measur	<i>Editorial</i> ed power P Autoclass	Add after "Power m pairset.": "Power shall be rem	ay be removed from both pairso noved from both pairsets within nen connected to a single-signa	(TBD time) any	time power is removed			
The word 'must' should	I not be used.				nected to a single signature PI					
	num margin the PSE adds to	the measured p	ower P Autoclass in		both pairsets before the curren pairset." from page 104/line 29.		PSE upperbound			
Watts". <i>Response</i> ACCEPT.	Response Status C			Proposed Response REJECT. This comment was	Response Status Z	ter.				
				TFTD.						

				_		
C/ 33 SC 33.2.7 P 96	L 33	# 136	C/ 33 SC 33.2.7	P 96	L 33	# 138
'seboodt, Lennart Philips			Yseboodt, Lennart	Philips		
Comment Type TR Comment Status A		Unbalance	Comment Type TR	Comment Status A		Unbalanc
In Table 33-11 we have Icon-2P_unb which spec PSE must be able to supply. It is specified for Class 5 through 8. If a PD assigned Class 4 or lower is getting 4P per unbalance. This is currently not specified. SuggestedRemedy Add extra row for item 4a for Class 0-4 setting Ico 4a, Pairset current including unbalance for Class 33.2.7.4 and 33.2.7.4.1. Addressed in yseboodt 3_1115_Table_33_11_it	ower, there is no lir on-2P_unb to I_Co 0-4, Icon-2p_unb,	nit to the amount of n:	SuggestedRemedy Class 0-4 => PSE Ty Class 5 => PSE Ty Class 6 => PSE Ty Class 7 => PSE Ty Class 8 => PSE Ty	pe: 3,4 pe: 3,4 pe: 4 pe: 4 odt_3_1115_Table_33_11_iter <i>Response Status</i> C		s listing.
Response Response Status C ACCEPT IN PRINCIPLE.			<i>Cl</i> 33 <i>SC</i> 33.2.7 Yseboodt, Lennart	P 97 Philips	L 9	# 139
Adopt item 4a in Addressed in yseboodt_3_1115 2/ 33 SC 33.2.7 P 96 2/ 30 2/ 3/ 3/ 30 2/ 3/ 3/ 3/ 3/ 3/ 3/ 3/ 3/ 3/ 3/ 3/ 3/ 3/	<i>L</i> 33 Vport_PSE-2P. NGE.	# 137 PSE Power	the PSE to support a SuggestedRemedy See yseboodt_10_1 comment) Response ACCEPT IN PRINCI Adopt yseboodt_10_1115_ 1. Delete all entries	Comment Status A n of I_CUT-2P includes unbala a positive unbalance current or 115_Figure_33_14_v3xx.pdf (t Response Status C PLE. Figure_33_14_v320.pdf with th in the max column for lcut for e to ILPS in Figure 33-14c.	n both pairsets. hat file addresses he following modi	s more than just this

C/ 33 SC 33.2.7 P 97 L 10 # 140 C/ 33 SC 33D.1 P 199 L 39 # 143 Yseboodt, Lennart Yseboodt, Lennart Philips Philips Comment Type ER Comment Status A Editorial Comment Type E Comment Status A **F**ditorial Table 33-11, Add Info, Item 7, Font size jump for 33.2.7.6 reference. "The following table shows Dual-Signature classification for Type 3 and Type 4 PSEs" SuggestedRemedy SuggestedRemedy Fix. "Table 33D-2 shows dual-signature classification for Type 3 and Type 4 PSEs" Response Status C Response Response Status C Response ACCEPT. ACCEPT IN PRINCIPLE. ΕZ OBE by 151 C/ 33 SC 33.2.7 P 97 L 33 ΕZ # 141 Yseboodt, Lennart Philips P 191 C/ 33B SC 33B L 1 # 144 Comment Type **TR** Comment Status A PSE Power Yseboodt. Lennart Philips Table 33-11, item 9 (Ilim-2P) is now a Class based parameter. Comment Type **TR** Comment Status A Pres: Darshan7 For this item, the Class is listed in the Additional information field, whereas for Icon-2P unb the class distinction is made in the Parameter field. Annex 33B contains: 2 shalls SuggestedRemedy 2 musts See yseboodt_4_1115_Table_33_11_item9.pdf Do we need a normative annex for 2 shalls ? Response Response Status C Also, the shalls are very similar to each other. ACCEPT. SuggestedRemedy Consider to move the requirement into the appropriate section in 33.2. C/ 33 SC 33.2.7 P 97 L 37 # 142 33.2.7.4.1 seems like a good candidate. Yseboodt, Lennart Philips TF to discuss the 'musts' and either reword or turn into 'shalls'. Comment Type ER Comment Status A Editorial Table 33-11. Add Info. Item 18. Reference to 33.2.9 is not an XREF. Response Response Status C ACCEPT IN PRINCIPLE. SuggestedRemedy Fix. Add "Editor's Note (TBRBD2.0): Yair working to move the shalls to clause 33. Readers are encouraged to work with him." Response Response Status C to top of Annex 33B. ACCEPT. ΕZ

IEEE P802.3bt D1.4 4-Pair Power over Ethernet 7th	Task Force review comments
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CI 33B SC 33B	P 191	L 10	# 145	C/ 33B	SC 33B	P 191	L 23	# 147			
Yseboodt, Lennart	Philips			Yseboodt, Le	ennart	Philips					
Comment Type ER	Comment Status A		Editorial	Comment Ty	pe ER	Comment Status A		Pres: Darshan			
when a system uses a power to both PD Mod	an occur in positive powered p all four pairs to 4-pair power wl des."			When it	re seems to s	uggest that the PD is drawing h a non zero ohm channel, the e at this point.		ore than Pclass. This			
Reword/shorter.				SuggestedRemedy Change PClass to Pclass_PD ?							
SuggestedRemedy											
"Current unbalance ca all four pairs to delive	an occur in positive, negative, r power to a PD."	or all powered pa	airs, when a PSE uses	Response Response Status C ACCEPT IN PRINCIPLE.							
Response	Response Status C			ACCEP		LE.					
ACCEPT IN PRINCIP	νLΕ.			OBE by	146.						
"Current unbalance ca four pairs to deliver po	an occur in positive and negati ower to a PD."	ve powered pairs	s when a PSE uses all	C/ 33B Yseboodt, Le	SC 33B	P 192 Philips	L 36	# 148			
NonEasy				Comment Ty	voe ER	Comment Status A		Editoria			
C/ 33B SC 33B Yseboodt, Lennart	P 191 Philips					Section 33B.2 is titled: "Effective resistance measurement method by measurement of current unbalance under worst case pair-to-pair load conditions" Which is somewhat long for a section title.					
Comment Type ER	Comment Status A		Pres: Darshan7	SuggestedR	emedy						
Figure 33B-1. According to 33.1.3: " transmission medium	The PI is the electrical interfac	ce between the P	SE or PD and the	It seems R_pse m		rough 33B.3 are different met	hods to measure	R_pse max and			
	the PI is right between where	the jack and plug	g contacts meet.	 Add sentence to 33B: "Measurement methods to determine R_pse min and R_pse max are defined in 33B.1, 33B.2, and 33B.3" Rename 33B.1 to "Direct R_pse measurement" Rename 33B.2 to "Effective resistance R_pse measurement" Rename 33B.3 to "Current unbalance R_pse measurement" 							
presume is the PI ? - Why is the PSE inte	Vport_pse behind the R_pair		he dotted line which I								
- Later section refers	to Rpse but is isn't defined ?			Response		Response Status C					
SuggestedRemedy				ACCEPT	Γ.						
See yseboodt_8_111 - Does not refer to Vp - Renames Rpair to R											
Response	Response Status C										
ACCEPT IN PRINCIP	PLE.										
Adopt darshan07_111	15.pdf										

CI 33B SC 33B.2 Yseboodt, Lennart	P 193 Philips	L 27	# 149	CI 79 SC 79.3 P 206 L 1 # 152 Yseboodt, Lennart Philips
Comment Type ER Currents I_1 and I_2 h	Comment Status A nave inconsistent subscripting.		Editorial	Comment Type ER Comment Status A Editoria Tables in Clause 79 have inconsistent formatting of the Tables. (left/center alignement).
SuggestedRemedy Fix. Response ACCEPT. EZ	Response Status C			SuggestedRemedy Find out what the right table format is and apply across Clause 79. Response Response Status C ACCEPT. EZ
Cl 33D SC 33D Yseboodt, Lennart Comment Type ER	P 193 Philips Comment Status A	L 47	# 150	<i>Cl</i> 79 <i>SC</i> 79.3.2 <i>P</i> 207 <i>L</i> 35 # 153 Yseboodt, Lennart Philips
actively controlled in a the current unbalance	nce test method applies to the manner that changes effectiv measurement Method describ should not be capitalized.	e resistance to a	achieve balance, then	Comment Type T Comment Status A Pres: Wendt We decided to have two TLV figures one for the old types and one for the new Type 3 and Type 4 fields. See presentation "wendt_1_1115_LLDP_Extensions_vxxx.pdf" and related baseline proposal SuggestedRemedy
Decapitalize				Implement wendt_1_1115_LLDP_Baseline_vvxxx.pdf
Response ACCEPT.	Response Status C			Response Response Status C ACCEPT IN PRINCIPLE.
EZ				Implement wendt_1_1115_LLDP_Baseline_v100.pdf
C/ 33D SC 33D Yseboodt, Lennart	P 197 Philips	<i>L</i> 1	# 151	with the exception that the editor will remove old TLV figure.
	Comment Status A escribes in a very nice way ho D-1 in the Annex no longer see		Editorial on works.	
SuggestedRemedy				
Delete Annex 33D.				
Delete Annex 33D. <i>Response</i> 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: Comment ID

Comment ID 153

C/ 79 SC 79.3.2.4 Yseboodt, Lennart	P 209 Philips	L 6	# 154	CI 33 S Bennett, Ken	C 33.3.7.2	P 131 Sifos Technol	L 5 logies, In	# 156	
Comment Type T Comment original text: "A Type 3 or Type 4 device supports." This sentence can be omitted, sentence This sentence can be omitted, sentence Type 4 devices has to do with the field SuggestedRemedy Remove sentence. Response Response S ACCEPT. Response S	vice shall set the nce in line 38 is lds.			"PClass_ The referer meet a PSI granted full an addition SuggestedRem	3, Commer PD in Table nee to table E's allocatio power. Tai al reference needy	Comment Status A at 103 was accepted as follow 33–18 is determined by the 0 33-18 was changed during ed 33-18 specifically targeted ite n. Table 33-16a only describe ble 33-7 does show a PSE's the ence back to the accepted vertex	Class assigned diting to Table 3 am 4, which mu es PClass_PD f "assigned class	33-16a. st set the PD limit to for PDs when they are	
EZ Cl 79 SC 79.3.2.6c P 212 L 46 # 155 Yseboodt, Lennart Philips Comment Type T Comment Status A Pres: Wendt1 We agreed to change measurements to the verbose system as proposed in "yseboodt_3_0915_v120.pdf" and move these into a new optional TLV subtype. See presentation "wendt_1_1115_LLDP_Extensions_vxxx.pdf" and related baseline proposal SuggestedRemedy				PClass_PD in Table 33–18 is determined by the Class assigned by the PSE. Optionally expand it to: PClass_PD in Table 33–18 is determined by the Class assigned by the PSE (see Table 33- 7). PClass_PD values for each Class are shown in Table 33-16a.					
				Response Response Status C ACCEPT IN PRINCIPLE. Optionally expand it to:					
Implement wendt_1_1115_LLDP_Ba	ent wendt_1_1115_LLDP_Baseline_vvxxx.pdf <i>Response Status</i> C				PClass_PD in Table 33–18 is determined by the Class assigned by the PSE (see Table 33- 7). PClass_PD values for each Class are shown in Table 33-16a.				
Obe by 153									

C/ 33 S	SC 33.3.7.4	P 132	L 23	# 157	define	ed in Table	e 33–11 and	with 5% duty cycle.		
Bennett, Ken	00.0.1.4	Sifos Techno		101	CI 33	SC 33	3.6.3.2	P 161	L 6	# 158
Comment Typ	e TR	Comment Status A		Extended Power	Bennett, k	Ken		Sifos Techn	ologies, In	
For Class	6 and 8:				Comment	Туре	TR C	Comment Status A		
		s extended average power v tual channel DC resistance.		formation is available	the D	LL Classifi		ed to initialize the PSE diagram. For Class 6		D requested values in se values are currently
"additiona	al information	ys allows extended peak por ' qualifier. additional information" requ			knowi value:	n about ac s should b	tual channe	only valid for extended I resistance" (from 33.3 at 510 and 710, which	3.7.2). Under nor	
The feme	auus me			ak Fower.		ilable.				
For refere	ence, the exis	ting peak power text in 33.3	.7.4 is:		Suggeste					
At any sta	atic voltage at	the PI, and any PD operation	na condition, with	the exception of Class	Chan	ge PSE_IN	NITIAL_VAL	UEs for Class 6 and C	lass 8 values to 5	10 and 710 respectively.
6 or Ćlass 2P min, a	s 8 PDs, the p	beak power shall not exceed able 33–11 and 5% duty cy	PClass_PD max	for more than TCUT-	1. If th	nere is a p	riori knowled	otnote to these values, dge of channel resistar be increased up to a r	nce, the PSE_INI	
For Class	6 and Class	8 PDs in any operating con	dition with any sta	tic voltage at the PI	Response)	Re	esponse Status C		
the peak p	power shall n	ot exceed PClass at the PS			ACCE	PT IN PR	INCIPLE.			
in Table 3	3–11 and wit	h 5% duty cycle.			Chan			LIEs for Class 6 and C	lass 8 values to F	i10 and 710 respectively.
	modu				Chan	yero∟_ii	NITIAL_VAL			To and The respectively.
SuggestedRei	2	xception of class 6 and clas	s 8 PDs" from line	18						
		•								
2. Change	e the sentenc	e at line 23 to:								
actual cha voltage at	annel DC resi the PI shall i	PDs, when additional inform stance, the peak power for not exceed PClass at the PS and with 5% duty cycle.	any operating con	dition and any static						
Response		Response Status C								
ACCEPT	IN PRINCIPL	.Е.								
6 and Clas PD, the pe	ss 8 PDs whe eak power sh	the PI, and any PD operation an additional channel DC re all not exceed Pclass_PD n and 5% duty cycle. Peak o	sistance informat	ion is available to the TCUT-2P min, as						
actual cha	annel DC resi	PDs, when additional inform stance, the peak power for not exceed PClass at the PS	any operating con	dition and any static						
	TATUS: D/dis	spatched A/accepted R/rej		T/technical E/editorial G/ SESTATUS: O/open W/w		d Z/withd	rawn	Com	ment ID 158	Page 37 of 57 11/12/2015 11:00:0

11/12/2015 11:00:01 A

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	33.3.6	P 128	L 34	# 159	C/ 33		33.6.3.3	P 161	L 28	# 160	
ennett, Ken		Sifos Technol	ogies, In		Tremblay,	, David		Hewlett Pack	ard Enter		
Comment Type	TR	Comment Status A		PSE Class	Comment	Туре	ER	Comment Status A			DLL
The statemen	it:				The fo	ollowing	variables	contain a starting value of 0	which is invalid	per clause 79:	
pse_power_le	evel is set ide the va	tiple-Event Physical Layer cla to either 2, 3, or 4." Ilue of 1, because it has beer		·	Mirror PDRe PDRe PSEA	redPSEA equestec equestec llocated	AllocatedF IPowerVa IPowerVa IPowerVa	PowerValue - page 161, line lowerValue - Page 161, line lueEcho - Page 161, line 44 lue - Page 162, line 1 ue - Page 162, line 8 ueEcho - Page 162, line 12			
SuggestedRemed	lv				Value	s: 0 thro	ough 999				
Change the st		to:			Suggestee	dRemea	ly				
			··· ·· ·		Chang	ge the s	tarting val	ue to 1 for all six variables.			
After a succes pse_power_le	evel is set	iple-Event Physical Layer cla to either 1, 2, 3, or 4.	ssification has	completed the	Value	s: 1 thro	ough 999				
Response		Response Status C			Response)		Response Status C			
ACCEPT.					ACCE	EPT IN F	PRINCIPL	E.			
EZ				Make	1 throu	gh 710.					
					Partia	al OBE b	y 164.				
					C/ 33 Tremblay,		33.6.3.2	P 160 Hewlett Pack	L 32 ard Enter	# 161	
					Comment PD_D 33–16	DLLMAX	ER _VALUE d	Comment Status A of 999 for pd_max_power 8 is	s inconsistent w	ith Pclass_pd in T	DLL able
					pd_m 8		er PD_D 999	LLMAX_VALUE			
					Suggestee	dRemea	ly				
					Chang	ge 999 t	o 710 on l	ine 32.			
					pd_m 8		er PD_D 710	LLMAX_VALUE			
					Response	9		Response Status C			

Comment ID 161

W 33 SC 33.6.3.2 P 160 L 46 # 162	C/ 33 SC 33.6.3.3 P 161 L 28 # 164						
remblay, David Hewlett Packard Enter	Tremblay, David Hewlett Packard Enter						
Comment Type ER Comment Status A DLL	Comment Type ER Comment Status A D						
PD_INITIAL_VALUE of 900 for pd_max_power 8 is inconsistent with Pclass_pd in Table 33–16a.	The following variables contain ending values which are inconsistent with Pclass_pd in Table 33–16a.						
pd_max_power PD_INITIAL_VALUE 8 900 <i>SuggestedRemedy</i> Change 900 to 710 on line 46.	MirroredPDRequestedPowerValue - page 161, line 28 MirroredPSEAllocatedPowerValue - Page 161, line 37 PDRequestedPowerValueEcho - Page 161, line 44 PSEAllocatedPowerValue - Page 162, line 8 PSEAllocatedPowerValueEcho - Page 162, line 12						
pd_max_power_PD_INITIAL_VALUE	Values: 0 through 999						
8 710 Response Response Status C ACCEPT.	SuggestedRemedy Change the ending value to 710 for all five variables.						
See 158	Values: 1 through 710 Response Response Status C						
C/33 SC 33.6.3.2 P 161 L 8 # 163 remblay, David Hewlett Packard Enter	ACCEPT.						
Comment Type ER Comment Status A DLL	C/ 33 SC 33.4.1.9.4 P 151 L 19 # 165 Maguire, Valerie Siemon						
PSE_INITIAL_VALUE of 900 for parameter_type 4 with mr_pd_class_detected 8 is inconsistent with Pclass_pd in Table 33–16a.	Comment Type ER Comment Status A Editor Typo in Standards reference ("586" should be "568").						
parameter_type mr_pd_class_detected PSE_INITIAL_VALUE 4 8 900	SuggestedRemedy						
uggestedRemedy	Replace, "ANSI/TIA/EIA-586-A:1995" with "ANSI/TIA/EIA-568-A:1995"						
Change 900 to 710 on line 8.	Response Response Status C ACCEPT.						
parameter_type mr_pd_class_detected PSE_INITIAL_VALUE 4 8 710	EZ						
Response Response Status C ACCEPT IN PRINCIPLE. C							
OBE by 158							

	_					_		
C/ 33 SC 33.1.4.2 Maguire, Valerie	P 47 Siemon	L 28	# 166	C/ 25 SC 25 Maguire, Valerie		27 mon	L 33	# 168
Comment Type ER Include corresponding	Comment Status A		Cabling	Comment Type 1	Comment State		m Type 1 cab	Cabling le (as opposed to
SuggestedRemedy					m balanced twisted-pair o			
Replace, "as specified and ANSI/TIA-568-C.2	in ISO/IEC 11801:2002" with "	"as specified in I	SO/IEC 11801:2002	SuggestedRemedy				
Response	Response Status C			Line 33:				
ACCEPT.				Replace "STP" v	with "150 ohm Type 1 ST	P"		
EZ				Line 34:				
C/ 33 SC 33.4.9 Maguire, Valerie	<i>P</i> 147 Siemon	L 35	# 167	Replace: "(for bo 1 STP")	oth UTP and STP)" with (for both balance	ed twisted-pai	r and 150 ohm Type
Comment Type ER A newer edition of this	Comment Status A Standard with an improved fi	gure is available.	Editorial	Response REJECT.	Response Statu	ns C		
SuggestedRemedy				This would need	l to be a maintenance req	luest as we are	not touching	this text.
Response	68-C.0, 4.2" with "ANSI/TIA-5 Response Status C	00.D-0, 5.1		This change sho	ould be done globally thro	ugh .3		
ACCEPT.				C/ 33 SC 33 Maguire, Valerie		2 183 mon	L 19	# 169
EZ				Comment Type 1	Comment State	us A		Cabling
					with clause 33.4.9.1.4 an ance is specified in ANSI/			raft 1.3. Category 5
				SuggestedRemedy Replace, "ANSI/	/TIA-568-C.2" with "ANSI/	/TIA/EIA-568-A	:1995"	
				Response ACCEPT.	Response Statu			

C/ 33 SC 33.1.4 P 46 L 40 # 170	Cl 33 SC 33.2.5.6 P 85 L 23 # 172
Stover, David Linear Technology Cor	Stover, David Linear Technology Cor
Comment Type E Comment Status A Unbala A consequence of redefining Table 33-1, "System power parameters Vs Maximum PSE Class" as a function of class and not Type, Note 2 (regarding pair-to-pair system resistance unbalance of T3/T4 PSEs) now applies to all four system power limit entries. Unbala	e Comment Type E Comment Status A Editoria "Type 3 and Type 4 PSEs shall determine whether an attached PD with classes 0 to 4" Class is not capitalized SuggestedRemedy
SuggestedRemedy Apply Note 2 ("In Type 3 and Type 4 operation, the current per pairset will be impacted b pair-to-pair system resistance unbalance. See section 33.2.7.4.1") to Icable for "Class 0 3" and "Class 4" entries.	Capitalize Class Response Response Status C ACCEPT.
Response Response Status C ACCEPT IN PRINCIPLE.	Lennart, shouldn't this be capitalized based on your rule? It's not in your list
Move note 2 to header of 2nd column.	C/ 33 SC 33.2.7 P 96 L 4 # 173 Stover, David Linear Technology Cor Linear Technology Cor
Cl 33 SC 33.2.4.7 P 72 L 23 # 171 Stover, David Linear Technology Cor Integration of the second sec	Classes is not capitalized in title of Table 33-11 SuggestedRemedy Capitalize Classes Response Response Status C ACCEPT IN PRINCIPLE. Editor to consult style guide on Table Titles.
Response Response Status C ACCEPT IN PRINCIPLE.	C/ 33 SC 33.2.7.4.1 P 102 L 15 # 174 Stover, David Linear Technology Cor
Add to Table 33-3a	Comment Type E Comment Status A Editoria Class not capitalized in equation 33-4b
Tcc, Connection check timing, 200ms min	SuggestedRemedy Capitalize all instances of Class in equation 33-4b
	Response Response Status C ACCEPT.
	This follows Lennart's Rule

C/ 33 SC 33.3.7.5 P 133 L 38 # 175 Stover, David Linear Technology Cor Linear Technology Cor	C/ 33 SC 33.8.2.3 P 171 L 11 # 178 Stover, David Linear Technology Cor						
Comment Type E Comment Status A Editorial							
"A dual-signature PD shall not exceed 4.70mA/us in either polarity" units should be expressed in mA/µs	Comment Type E Comment Status A Editoria In PD Major capabilities/options table, PDCL2 is defined as "Implementation supports 2- Event Class signature" but the rest of the text has migrated to "Multiple-event"						
SuggestedRemedy	SuggestedRemedy						
Replace mA/us with mA/µs	Replace 2-Event Class signature with Multiple-Event Class signature						
Response Response Status C	Response Response Status C						
ACCEPT.	ACCEPT.						
EZ	EZ						
Cl 33 SC 33.3.7.6 P 136 L 7 # 176	C/ 33 SC 33.8.2.4 P 172 L 28 # 179						
Stover, David Linear Technology Cor	Stover, David Linear Technology Cor						
Comment Type E Comment Status A Editorial	Comment Type E Comment Status A Editori						
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is ambiguous. SuggestedRemedy	In PSE Major capabilities/options, 2EPLC is defined as "Implementation supports 2-Event Physical Layer classification" but the referenced subclause and the rest of the text has migrated to "Multiple-Event Physical Layer classification" SuggestedRemedy						
Replace text starting second line with "During the test, the voltage of both PD modes is driven"	Replace 2-Event Physical Layer classification with Multiple-Event Physical Layer classification						
Response Response Status C	Response Response Status C						
ACCEPT.	ACCEPT.						
EZ	EZ						
Cl 33 SC 33.3.7.6 P 136 L 18 # 177 Stover, David Linear Technology Cor	C/ 33A SC 33A.5 P 190 L 20 # 180 Stover, David Linear Technology Cor						
Comment Type E Comment Status A Editorial	Comment Type E Comment Status A Editori						
	"class" not capitalized when referring to a PD Class.						
"The PD mode input current spike shall not exceed During the test, both PD Modes							
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is	SuggestedRemedy						
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is ambiguous.	SuggestedRemedy Replace all 4 instances of class (5, 6, 7, 8) in 33A.5 with Class						
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is ambiguous. SuggestedRemedy	Replace all 4 instances of class (5, 6, 7, 8) in 33A.5 with Class						
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is ambiguous.	Replace all 4 instances of class (5, 6, 7, 8) in 33A.5 with Class						
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is ambiguous. SuggestedRemedy Replace text starting second line with "During the test, the voltage of both PD modes is	Replace all 4 instances of class (5, 6, 7, 8) in 33A.5 with Class Response Response Status C ACCEPT.						
"The PD mode input current spike shall not exceed During the test, both PD Modes voltages are driven from" Capitalization of Modes is inconsistent and double plurality is ambiguous. SuggestedRemedy Replace text starting second line with "During the test, the voltage of both PD modes is driven"	Replace all 4 instances of class (5, 6, 7, 8) in 33A.5 with ClassResponseResponse StatusC						

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

C/ 33B SC 33B.2	P 193	L 29	# 181	CI 33 SC 33.2.9	.1.2	P 112	L 49	# 183
Stover, David	Linear Techno	ology Cor		Dwelley, David		Linear Techno	ology	
Comment Type E	Comment Status A		Editorial	Comment Type T	Commer	t Status D		Pres: Dwelley1
cases, difficult to parse	n a mixed style that is inconsi . For example, I1 is Written a eff1 are not written as proper	as I1 in Step 1b		"A PSE shall consid Diode unbalance in check, we should de	a PD complicat	es disconnect m	easurement - si	milar to connection
SuggestedRemedy				SuggestedRemedy				
	ind mathetmatical formulae in	n this section to	reflect the style of	See dwelley_1_111	5.pdf			
·	riables in the document.			Proposed Response	Response	Status Z		
Response	Response Status C			PROPOSED REJE	CT.			
ACCEPT.				This comment was	WITHDRAWN	ov the commente	<u>></u> r	
Editor to have license to	o reformat equations as nece	essary.						
C/ 33 SC 33.2.5.0a	P 81	L 43	# 182	wfp				
Dwelley, David	Linear Techno			C/ 33 SC 33.3.4		P 122	L 1	# 184
Comment Type TR	Comment Status D		Connection Check	Dwelley, David		Linear Techno	ology	
"Editor's Note:"				Comment Type E	Commer	t Status D		PD Detection
We haven't defined cor	npliance testing for Connecti	on Check yet						Il present the detection
SuggestedRemedy				B as defined in 33.3		e VPD and Nega	tive VPD of PD	Mode A and PD Mode
See dwelley_1_1115.pd	df			This could be more				
Proposed Response	Response Status Z			SuggestedRemedy				
PROPOSED REJECT.								or non-valid), it shall
This comment was WI	THDRAWN by the commenter	er.		present that signatu 33.3.1."	re at its PI at be	oth the Mode A a	ind Mode B pairs	sets, as defined in
wfp				Proposed Response	Response	Status Z		
mμ				REJECT.				
				This comment was	WITHDRAWN	by the commente	er.	
				This is legacy text.	Do we really wa	ant to mess with	it?	

C/ 33 SC 33.2.7.5 Dwelley, David	P 103 Linear Techno	L 1 blogy	# 185		C/ 33 Beia, Christ		.3.7.10	P 137 STMicroelec	L 9 tronics	# 186
Comment Type TR	Comment Status A			Inrush	Comment T		FR	Comment Status D		Pres: Darshan3
Inrush text is still broken SuggestedRemedy Presumably Yair and I meeting Response ACCEPT IN PRINCIPL	will have a consensus preser <i>Response Status</i> C	ntation prepared	I in time for the		becaus Moreov clear wi But sind	ver, figure vhat "Rson ce it is no	apply re 33-18a urce_ma ot easy to	ext is conditioned to a mea gardless of anything. does't really help to under x/Rsource_min" means. o draw a figure which show .10 text, adding some mo	stand the releva	nt text because it is not
No changes to draft res	ult from accepting this comm	nent.			PDs sh resistar =0.19 C shown i With: PDs sh connec Rsource conditio and the maximu Proposed R REJEC	e the follo nall meet nce of Rs Dhm± 1% in Figure nall have to ted to a co ted	this require_n to PD F 33–18a. the pair of common .16 Ohm own in F ase happ	irement when connected t nin =0.16 Ohm± 1% and R Pairs of the same polarit	source_max y for all PD opera- the PD PI pairs of common mode 0.19 Ohm ± 1% tances may be d value is minimun	ating conditions as f the same polarity are e resistances of for all PD operating ifferent from each other

CI 33	SC 33.2	P 48	<i>L</i> 1	# 187	C/ 1	SC 4	P 20	L 16	# 189
Lukacs, Mi		F 46 Silicon Labs	<i>L</i> I	# 10/	Lukacs, I		Silicon Labs	L 10	# 109
Comment	Type TR C	omment Status A		Editorial	Commen	nt Type TR	Comment Status R		Definition
		of this paragraph is conf			Term	ns PSE and PD	should be defined prior to 1.4.24	11.	
"An ur power	plugged link section classification mecha	s one instance when po hisms exist to provide th	wer is no longer	required. In addition,	Suggeste	edRemedy			
	ing the power needs						finitons prior to 1.4.241.	<i>(</i> , , , , , , , , , , , , , , , , , , ,	
The cl	assification requirem	ent should be included ir	nto the PSF fund	tions list at the			Sourcing Equipment optional po the same generic cabling as is		
	us page.				1.4.x	xx PD: Powered	d Device, optional power (non-da	ta) entity, allow	ing devices to draw
Suggested	IRemedy					-	ne generic cabling as is used for	data transmissi	on.
		ne PSE functions list on			Respons		Response Status C		
- to ex	ecute power classific	ation mechanism to dete	ermine the powe	r needs of the PD.	REJI	ECT.			
		page 48 line 2 "In additi			The	definition section	n is in alphabetical order. We ca	annot control wh	nat terms come first.
_	•	h detailed information re	egarding the pow	ver needs of the PD."	EZ				
Response		esponse Status C							
ACCE	PT IN PRINCIPLE.				C/ 1	SC 4	P 20	L 39	# 190
Move	'In addition, power				Lukacs, I		Silicon Labs		
To a n	ew paragraph.				Comment the te		Comment Status R a synonym for pairset - is not de	finet yet	Definition
CI 33	SC 33.2.4.7	P 72	L 16	# 188	Suggeste	edRemedy			
Lukacs, M	klos	Silicon Labs			Repl	ace 'modes' with	h 'pairsets'		
Comment	Type TR C	omment Status A		Pres: PSE SD	Respons	e	Response Status C		
CC_D	ET_SEQ possible val	ue of 3 is not defined in	33.2.4.3 Consta	ints on page 59	REJI	ECT.			
Suggested	lRemedy				Ther	e is a reference	in the definition to see clause 3	3. The reader w	vill find a definition of
define	CC_DET_SEQ value	= 3 in 33.2.4.3 Constar	nts on page 59		mode	e near the begir	nning of the PD section.		
Response	Re	esponse Status C			C/ 1	SC 1.4	P 20	L 46	# 191
ACCE	PT IN PRINCIPLE.				Lukacs, I	Miklos	Silicon Labs		
Reinst	ate existing Type 1/2	State diagram definition	sections (varial	oles, constants, timers,	Commen	nt Type TR	Comment Status R		Definitions
functio	ons, etc.) before Type	1/2 SD.			The	term 'mode' - as	a synonym for pairset - is not d	efinet yet.	
Adopt	Walker_1_1115_rev_	1.pdf as new sections f	or before Type 3	3/4 state diagram.	Suggeste	edRemedy			
				-	Repl	ace 'Modes' with	h 'pairsets'		
					Respons	е	Response Status C		
					REJI	гот			
					KLJI	EGT.			
							in the definition to see clause 3	3 The reader w	vill find a definition of

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

Comment ID 191

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C/ 33 SC 33.1.4 Lukacs, Miklos	.1 P 47 Silicon Labs	L 6	# 192	C/ 33 SC 3 Johnson, Peter	3.2.4.4	P 65 Sifos Techno	L 18 logies	# 199
	Comment Status R eeded after the word: better. equires Class D, or better, cablin	g as specified"	Editorial	Table 33-3 and	the following	omment Status A I paragraph state optior Single Signature but not		
SuggestedRemedy Type 2 operation re Response REJECT.	quires Class D, or better cabling <i>Response Status</i> C	as specified		capacity to del 13W sets class	iver a total of s_num_event -3 whereupor	ual Signature, 3 events 13W to dual Class 1 or s to 1. But it will take 3 n, it can then furnish 4-p	Class 2 PD's. A events for this P	ccording to the table, SE to determine that
The comma is need EZ	led as class D is the thing define	d in ISO/IEC…			nay be just ar	editor note to update t al Signature PD's.	his table pending	resolution of all PSE
C/ 33 SC 33D.1 Johnson, Peter	P 200 Sifos Technolo	L 4 ogies	# 198	Response ACCEPT IN Pl		sponse Status C		
	Comment Status A e same terms, 'Max PSE Class' a are really referring to "per pairse			Add: "Editor's Note	(to be remove	d before D2.0): Table 3	3-3 must be upd	ated for DS PDs."
SuggestedRemedy Re-name 'Max PSE per pairset' or 'Pcla	Class' to 'Max PSE Class per pass_2p'.	airset' and 'Pcla	ss(W)' to 'Pclass(W)	Below Table 3 EZ	3-3.			
Response ACCEPT IN PRINC	Response Status C							
OBE by 151								
E7								

ΕZ

Editor						
nd "class_sig_B" in vith classifying ALT-A prior remedies have '3_sig'. endix) where the re used. Seems like i						
We will either leave it as is, or move to X and Y.						

C/ 33 SC 3	3.3.7.3	P 131	L 54	# 202	CI 33		33.6.3.3	P 162	L	2	# 204	
Johnson, Peter		Sifos Technolo	gies		Schindler, F	Fred		Seen Sim	ply			
Comment Type	T Con	nment Status A		Pres: Darshan2	Comment T	Гуре	TR	Comment Status D				DL
This statement	may open the	is limited by the PSE i door to any PD (Type-1 sfore PD has responsib	, 2, etc) that ha	as 180uF on EACH	when T Pclass_	ype-3 PD sh	and Type	may not provide enough 4 PSEs receive a DLL F able 33-16a.	information D requests	to avoid inte for power th	eroperability is nat exceed	sues
SuggestedRemedy					Existing			us Integer that indicates	the DCE of	a acted how	or volue in the	
		to "powered" pairsets um allowed capacitanc			The val power v	lue is t value f	he maxim or a PSE i	ue Integer that indicates um input average power is the maximum input av I according to Equation ((see 33.3.7. erage power	.2) the PD e the PD ma	ever draws. The ay ever draw. T	e This
"Input inrush cu 180uF,"	irrent at startup	is limited by the PSE i	f Cport per pov	vered pairset <	PSEAlle aLldpXe	ocateo dot3Lo	PowerVal	ue. This variable is map catedPowerValue attribu	ped from the	9		
This may/will p	obably be furth	er affected as inrush g	ets worked out	in future drafts.	Suggested		0					
Response	Resp	oonse Status C					-					
ACCEPT IN PF	RINCIPLE.				"If the F	PDReq	juestedPo	werValue exceeds Pclas				
OBE by 221.					than PC	Class t	o be draw	D has determined the po n from the PSE. Addition n 33.3.7.2."				
C/ 33 SC 3: Schindler, Fred		P 97 Seen Simply	L 45	# 203	Please	also c	orrect the	grammar in the existing alues by the PSE."	text by repla	acing "pov	wer value in the	е
51		nment Status A etter reflect what is req	uired and remo	Pres: Lennart6 ove repeated	Proposed R REJEC	Respor	•	Response Status Z				
	hat is limited to hin. A Type 3 P	o Class 3 power may us SE that is limited to Cla			This co	mmen	t was WIT	HDRAWN by the comm	enter.			
SuggestedRemedy												
When Type 3 F indication wher		e at least class-3 power r powered.	values, PDs p	rovide an active								
Item 12 first rov	v, PSE Type co	olumn, replace, "1" with	"1, 3". Delete	item 12, row 3 and 4.								
Remove footno	te 1.											
This comment	s related to a c	comment marked COMI	MENT1.									
Response	Resp	oonse Status C										
ACCEPT.	,											

C/ 79 SC 79.3.2.6b. P 212 L 28 # 2 Schindler, Fred Seen Simply		SC 33.2.7. er, Fred	l 1a P 109 Seen Sim	L 42 bly	# 206			
Comment Type TR Comment Status A System using LLDP would benefit from communicating whether a DS PD has, is loads, or nonisolated loads. The data is reported for all PD types whether SS or	solated Th		Comment Status A ype (min) is the minimum p PSE of that Type can suppo		Pres: Lennarte			
SuggestedRemedy Replace "Reserved" field, Bit 1, in Table 79-6b, with, "PD Load". For this row re Value/meaning with, "1 = PD power demand on Modes A and B are electrically = PD power demand on Modes A and B are not electrically isolated."	place the lov solated. 0 Ty	Type 3 PSEs are not required to support PType if they are restricted to Class 5 power or lower. Type 4 PSEs are not required to support PType if they are restricted to Class 7 power or lower."						
On page 211, line 48, replace the existing sentence, "The System setup value field shall contain the device bit-map of the Power type ID, and PD PI defined in Table 79-6b and is reported for the device generating the With "The System setup value field shall contain the device bit-map of the Power 4P-ID, PD PI, and PD Load defined in Table 79-6b and is reported for the device generating the TLV." Add "79.3.2.6b.4 PD Load This field shall be set according to Table 79-6b when the power type is PD. Ele isolated for this Bit field shall mean greater than or equal to 50 k-ohm resistance any one connection of Mode A and any one connection on Mode B, when meas at least VPort_PSE-2P minimum for Type-4 PSEs. This field shall be set to 0 will power type is PSE."	e, PD 4P- he TLV." Sugge er type, PD "P e St ctrically Th e between Respo ured using	stedRemedy place the first sent Type (min) is the n ike the next two se wides the value fo is comment is rela	ninimum power a PSE shall entences, "Type 3" and " r Ptype. ted to a comment marked C <i>Response Status</i> C	Type 4" because	e Table 33-11 already			
ResponseResponse StatusCACCEPT.Vote:Accept: 10Reject: 0Abstain: 8	"P St pro Ac Ye	ike the next two se wides the value fo	ninimum power a PSE is ca entences, "Type 3 …" and "	Type 4" because				

CI 33 SC 33.2.7 P 97 Schindler, Fred Seen S	L 51 Simply	# 207	CI 33 Schindler, Free	SC 33.2.4.7 d		2 Simply	L 12	# 209
Comment Type T Comment Status A Permit Type-4 PSE to provide a minimum of		Pres: Lennart6 I.	Comment Type Exit condit		Comment Status EST_MODE are not f		correctly.	PSE S
SuggestedRemedy Replace Table 33-11, item 12, the row for Typ This comment is related to a comment marker Response Response Status of ACCEPT. Vote: Accept: 16 Reject: 0 Abstain: 20 C/ 33 SC 33.2.4.7 P72	ed COMMENT1.	75.0". # <u>208</u>	TEST_ER SuggestedRer Use the co (mr_pse_e Or (mr_pse_e Where app Response	ROR_A an medy onstructs, enable = for enable = for	d TEST_ERROR_B.	r mr_ not		the case for exits from
Schindler, Fred Seen S	imply		ACCEPT.					
Comment Type TR Comment Status I The second entry path into IDLE has a typo. Existing condition is,	D	PSE SD	EZ CI 33 S Schindler, Free	SC 33.2.4.7		2 Simply	L 6	# 210
Pse_reset + error_condition * (mr_pse_enabl	e – enable)		Comment Type	e ER	Comment Status	R		PSE SI
SuggestedRemedy Replace the error condition with, "Pse_reset + !error_condition * (mr_pse_enal ,which checks that no error_condition exists. Proposed Response Response Status	ble = enable)"		The entry condition to TEST_MODE checks for a current fault before applying power. current fault is not possible without power. The state diagram is broken if this case ne to be checked. SuggestedRemedy Remove the checks for current faults for the TEST_MODE entry path. Existing text that should be removed, "!(ovld_det_a + short_det_a) * !(ovld_det_b + short_det_b)"					
REJECT. This comment was WITHDRAWN by the com I'm not sure that is the intention. That would		that save "the DSE is	Response REJECT.		Response Status	с		
That doesn't make sense. It would force us the error and the PSE is enabled.	E is enabled."							

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

C/ 33 SC 33.2.4.7 P 74 L 6 # 211 Schindler, Fred Seen Simply Seen Simply	C/ 33 SC 33.2.4.7 P 74 L 42 # 213 Schindler, Fred Seen Simply						
Comment Type ER Comment Status A PSE SD Fix typo PSE_avail_pwr, used for checking entry to POWER_UP.	Comment Type TR Comment Status A PSE S Entry paths to ERROR_DELAY do not consider a fault on only one pairset. The State Diagram needs to facilitate systems that may keep a nonfaulting pairset powered. PSE S						
Replace with pse_avail_pwr. Response Response Status C ACCEPT IN PRINCIPLE. Editor has license to fix capitalization where appropriate.	SuggestedRemedy The Task Force should review this during the State Diagram ad hoc. An Editor's note should be made if this is not resolved during the ad hoc. Place in this section Editor's note: Entry paths to ERROR_DELAY for Type 3 and 4 PSEs do not consider a						
Cl 33 SC 33.2.4.7 P 74 L 6 # 212 Schindler, Fred Seen Simply Comment Type TR Comment Status D PSE SD	fault on only one pairset. The State Diagram needs to facilitate systems that may keep a nonfaulting pairset powered. Response Response Status C ACCEPT IN PRINCIPLE.						
The processing within POWER_ON checks for one-pairset powering and forces ALT-A to be used. Then the processing checks what ALT should be enabled. These steps have already been done in state POWER_UP. SuggestedRemedy	Editor's note: Faults on only one pair set need to be considered for SD. Cl 33 SC 33.2.4.7 P72 L 6 # 214 Schindler, Fred Seen Simply						
Delete all steps within POWER_ON. This keeps the power already applied on.	Comment Type TR Comment Status D PSES No exit from TEST_MODE is provided for mr_pse_enable being set to disable.						
Note that the Task Force should discuss whether PDs are permitted to change whether they are dll_4PID capable. If this is allowed, then this block correction needs to be redone. Proposed Response Response Status Z	SuggestedRemedy For all existing exit conditions for TEST_MODE, TEST_ERROR_A, and TEST_ERROR_B, replace the existing condition check, "mr_pse_enable = enable" with "(mr_pse_enable = enable) + (mr_pse_enable = disable)".						
REJECT. This comment was WITHDRAWN by the commenter.	Proposed Response Response Status Z REJECT.						
	This comment was WITHDRAWN by the commenter. Doesn't the global "mr_pse_enable = disable" entry into the DISABLED state take care of this?						

C/ 33 SC 33.2.4.6 P 69 L 34 # 215 Schindler, Fred Seen Simply	CI 33 SC 33.2.6 P 86 L 13 # 216 Schindler, Fred Seen Simply							
Comment Type TR Comment Status D Types The text may be improved to better deal with new PSE Types and to take into account power demotion. Types Types Types	Comment Type ER Comment Status A PSE Class The formula 33-3, is not assigned correctly because of a Typo. SuggestedRemedy SuggestedRemedy							
Existing text, "set_parameter_type This function is used by a Type 2, Type 3 and Type 4 PSE to evaluate the type of PD connected to the link based on Physical Layer classification or Data Link Layer classification results. The PSE's PI electrical requirements defined in Table 33-11 are set to values corresponding to either a Type 1, or Type 2, Type 3, or Type 4 PSE. This function	Replace "Class" with "PClass_PD". <i>Response Response Status</i> ACCEPT IN PRINCIPLE. Replace with PClass.							
returns the following variable:	C/ 33 SC 33.2.6 P86 L 22 # 217							
 parameter_type: A variable used by a Type 2, Type 3 or Type 4 PSE to pick between Type 1, and Type 2, Type 3 and Type 4 PI electrical requirement parameter values defined in Table 33-11. Values: 1: Type 1 PSE parameter values (default) 2: Type 2 PSE parameter values 3: Type 3 PSE parameter values 4: Type 4 PSE parameter values When a Type 2 PSE powers a Type 2, Type 3 or Type 4 PD, the PSE may choose to assign a value of '1' to parameter_type if mutual identification is not complete (see 33.2.6) and shall assign a value of '2' to parameter_type if mutual identification is complete. 	Schindler, Fred Seen Simply Comment Type TR Comment Status A Unbala Existing text, "n is a dimensionless factor. n = 1 when connected to a single-signature PI or for Type 1 and Type 2 PSEs, n = 2 when connected to a dual-signature PD." Change legacy behavior. SuggestedRemedy Replace the text with, "n is a dimensionless factor. n = 1 when connected to a single-signature PD or for Type and Type 2 PSEs, n = 2 for Type 3 or Type 4 PSEs when connected to a dual-signature PD."							
Editor's Note: This paragraph requires further study."	Response Response Status C ACCEPT.							
SuggestedRemedy Replace the existing sentence, "When a Type 2 PSE powers" with "When a PSE of Type greater than Type-1 powers a Type 2, Type 3 or Type 4 PD, the PSE may choose to assign a value of '1' to parameter_type if mutual identification is not completed (see 33.2.6) and shall assign a value corresponding to a Type that is capable of providing the negotiated power to parameter_type if mutual identification is complete."	"n = 2 for Type 3 or Type 4 PSEs when connected to a dual-signature PD. n = 1 for all other cases." NonEasy							
Strike the Editor's note referenced above.								
Proposed Response Response Status Z REJECT.								
This comment was WITHDRAWN by the commenter.								

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

CI 33 Schindler,	SC 33.	2.7.4	P 100	L 48	# 218	C/ 33	SC 33.2.8	P 110	L 43	# 220
		-	Seen Simp	лу		Schindler		Seen Simply		
		is defined	<i>Comment Status</i> A d on page 100 formula exist.	33-3c and on pag	<i>Editorial</i> e 101 formula 33-3e.	"Edite	existing text, or's Note: Text ne	Comment Status A eeds to be added to mutual IE	D section to assi	PSE Pow gn PD Class during
Suggested	dRemedy					powe	r demotion."			
Repla	ice existing	reference	es to 33-3e with 33-3c.			May	no longer apply b	because demotion is indirectly	/ covered on pag	ge 92 Line 5.
"Note			age 101, Con-2P is calculated u	sing Equation (33-	3e) for each pairset	Suggeste Strike	-	e if the Task Force believes t	he concern has l	been covered.
With	endently."					Response ACC		Response Status C		
	that for the endently."	ese PDs lo	con-2P is calculated us	ing Equation (33-	3c) for each pairset					
Strike	formula 33	3-3e.								
Response ACCE	e PT IN PRI		Response Status C							
Obe b	oy commen	t 39.								
CI 33	SC 33.	2.4.7	P 74	L 7	# 219					
Schindler,	Fred		Seen Simp	bly						
Comment	Туре Т	R	Comment Status A		PSE SD					
PSE N	Modes sepa s so that or	arately. F	ad hoc the Task Force or example, the Ted ti could be okay while the	mer needs to be c	onsidered for each					
			r selecting the preferre processed.	d Mode of the PS	E may be used for					
Suggested If the sectio	Task Force	e does not	resolve processing th	ese situations. Ac	ld an Editor's note to this					
			D needs to process fau ple, Ted_A and Ted_E		using a unique variables					
Response)	F	Response Status C							
ACCE	EPT IN PRI	NCIPLE.								
OBE b	by 213.									

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

C/ 33 Darshan, Y	SC 33.3.7.3 air	P 132 Microsemi	L 11	# 221	<i>Cl</i> 33 Darshan,	SC 3 Yair	33A.5	P 172 Microsemi	<i>L</i> 31	# 222		
This is To dele From: "Cport i ON sta pairsets specifie "Yair is Suggested! 1. Char "Cport i ON sta pairsets specifie To: Cport in states t signatu are spe See Fig 2. Add Response ACCEF	Type T his an update of the response to the the text "See in Table 33-18 is tes that a PSE is ad in 33.3.7.6. invited to provid Remedy nge from: in Table 33-18 is tes that a PSE is ad in 33.3.7.6." In Table 33-18 is hat a PSE sees re PD. When PSE cified in 33.3.7.6 gure 33-17.1 for	PSE-PD simplified Cport inte fter the above text as describ <i>Response Status</i> C E.	i0 in D1.3 which blementation mo ce during POW gle-signature PI PDs, Cport valu nex)". ce during POW gle-signature PI PDs, Cport valu ce during POWE pairsets, when o ture PDs, Cpor	ER UP and POWER D over a pairset or both requirements are ER UP and POWER D over a pairset or both requirements are ER UP and POWER ON connected to a single- t value requirements el."	Comment Type T Comment Status A Pres: Dars NEW D1.4 Updating comment sent at the first round. Requested by remedy of comment #5 from D1.3: In Annex 33A.5 to define Rpair_max_PD, Rpair_min_PD. SuggestedRemedy 1.Add the following text after line 31 RPair_PD_max and RPair_PD_min represent PD common mode input effective impedance of pairs of the same polarity. The effective resistance Zi is the measured voltage Veff_pd_i, divided by the current through the path as described below and as shown in the example in Figure 33A-1. Positive pairs: Z1= RPair_PD_min =Veff_pd1/i1 Z3= RPair_PD_min =Veff_pd2/i2 Z4= RPair_PD_max =Veff_pd3/i3 Negative pairs: Z2= RPair_PD_max =Veff_pd4/i4 2.Add figure 33A-1 after the above text as described in page 3 of darshan_01_1115.pdf 3. Lines 20-31: Change from RPair_max_PD to RPair_PD_max and from RPair_min_PD to RPair_PD_min. 10 occurrences. 4. In the equations in lines 21-27, add "[ohm]" after RPair_PD_max. 4 occurrences. 5. Delete Editor Note in lines 32-36. Response Response Status C ACCEPT IN PRINCIPLE. C							
					CI 33 Dove, Dar Comment The e Suggeste	SC 3 niel <i>Type</i> ditor's ins dRemedy ace "Delet	33.1.1 E struction	I5_Rev002.pdf P 43 Dove Network Comment Status A is incomplete n 33.1.1" with "Delete section Response Status C	C C	# 223 Editorial umber sections".		
		d ER/editorial required GR/g			G/general	d Z/with	drawn	Comme	ent ID 223	Page 54 of 57 11/12/2015 11:0		

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

C/ 33 SC 33.2.4.7	P 72	L 6	# 224	C/ 33	SC 33.2.4.7	P 72	L 6	# 226			
Dove, Daniel	Dove Netwo	rking Solut		Dove, Dar							
SuggestedRemedy #GSAR (Global Searc Response ACCEPT IN PRINCIP	Response Status C LE. ide and be consistant.	n other SDs, a "le	PSE SD ftarrow" is used. # 225	Comment Type TR Comment Status A Pres: Defined There are a number of variables used within the state diagram that are either not initializ or not assigned in sequence with the state diagram. This allows one to potentially chang the value of a variable asynchronously with the state diagram, and could cause unanticipated behavior. Example, mr_pse_alternative should be defined in the IDLE state and changes to 11.3:2 should not affect SD operation outside that state. SuggestedRemedy I will provide a presentation dove_01_3bt_1115.pdf on the addition of some of these variables, but here is my list. mr_pse_alternative <= reg 11.3:2							
is repeated in the IDL SuggestedRemedy	Dove Netwo Comment Status R e has no value other than its E state which follows immed	name. The logic iately.		Chris/	PT IN PRINCIP	th Dan and present new SD		# 007			
One could add "+ mr_ state.	pse_enable = disable" to the	e IDLE state entry	logic and eliminate this	<i>Cl</i> 33 Dove, Dar	SC 33.2.4.7 niel	P 72 Dove Netwo	L 6 orking Solut	# 227			
Response REJECT. This is a direct extens Control registers	Response Status C	e diagram handled	d this.	Comment Type TR Comment Status A Pres: Do During the Catania meeting, it was observed that the state diagram was going through tw separate sequences at the same time. SuggestedRemedy A proposal to fix this will be given in presentation dove_01_3bt_1115.pdf Additional flags/variables will be required to properly trigger/return from the dual-signature detection							
				state	diagrams.						
				Response ACCE	PT IN PRINCIP	Response Status C LE.					

Chris/Dylan to work with Dan and present new SD.

IEEE P802.3bt D1.4 4-Pair Power over Ethernet 7th Task Force review comments	
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C/33 SC 33.2.4.7 P72 L6	# 228	CI 33		33.2.4.7		P 74		L 26	# 230
Dove, Daniel Dove Networking Solut		Dove, Dani	iel			Dove Ne	etworkir	ng Solut	
Comment Type TR Comment Status A	Pres: Dove1	Comment	Туре	TR	Comment S	Status A			Pres: Do
During the Catania meeting, it was observed that the state diagram has a number of intrapage connectors. This creates a more confusing drawing		1) I find	d no wa	ay for a sig		ever ent			g logic asking for
SuggestedRemedy					sted logic term een enabled o		ntrv inte	o this state, a 4	4-pair PSE will be
A proposal to fix this will be given in presentation dove_01_3bt_1115.pdf	f	forced	to pow	er-down a	It-B after havir	ng power	ed it up	. This makes r	no sense and creates
Response Response Status C						would be	to allo	w the PSE to c	continue powering alt-l
ACCEPT IN PRINCIPLE.				ernative=b ogic can b		orm the i	necessa	ary POWER_C	N logic.
Chris/Dylan to work with Dan and present new SD.		Suggested	Remea	ły					
		A prop	osal to	fix this wi	ll be given in p	resentati	on dove	e_01_3bt_111	5.pdf
C/ 33 SC 33.2.4.7 P74 L 13	# 229	Response			Response S	tatus C	;		
Dove, Daniel Dove Networking Solut		ACCE	PT IN F	PRINCIPL	E.				
Comment Type TR Comment Status A	Pres: Dove1								
There are a few issues with the logic in the POWER_UP state. 1) I find no way for a sig_type=dual to ever enter this state, so having log	aic acking for	Chris/Dylan to work with Dan and present new SD.							
sig_type=single is a wasted logic term.	JIC ASKING IOI	CI 33	SC	33.2.4.7		P 79		L 13	# 231
2) Since DLL has not been enabled yet, there is no way that dll_4PID=1	to occur in this	Dove, Dani	iel			Dove Ne	etworkir	ng Solut	
state. 3) A simpler logic can be used to perform the necessary POWER_UP.		Comment	Туре	Е	Comment S	Status A			PSE
SuggestedRemedy									used where the
A proposal to fix this will be given in presentation dove_01_3bt_1115.pdf	f			•	alto" and or "gi	eatertha	norequ	alto" symbols s	should be used.
Response Response Status C		Suggested							
		#GSAF	R (Glob	al Search	and Replace)				
ACCEPT IN PRINCIPLE.		Response			Response S	tatus C	;		
		Response ACCEI			Response S	tatus C	;		

CI 33	SC 33.2.4	.7	P 79	L1	# 232	C/ 33	SC 33	.2.4.7	P 79	L1	# 234
Dove, Dan			Dove Networ	-		Dove, Danie			Dove Network	-	11 204
Comment	Туре Е	Comm	ent Status A		PSE SD	Comment 1	ype I	E	Comment Status A		PSE SI
single- signati	-signature PD	operation, m to make then	ove this diagram u	up in position with	e diagram only serves n all other single- diagrams for dual-	single-s signatu	signature	PD ope ms to n	ce agrees that the current cl eration, move this diagram u nake them contiguous. Do th so.	p in position wit	h all other single-
Suggested	dRemedy					Suggestedl	Remedy				
single- signati	-signature PD	operation, m to make then	ove this diagram u	up in position with	e diagram only serves n all other single- diagrams for dual-	single-s signatu	signature	PD ope ms to n	ce agrees that the current cl eration, move this diagram u nake then contiguous. Do th so.	p in position wit	h all other single-
Response		Respon	se Status C			Response			Response Status C		
ACCE	PT IN PRINC	IPLE.				ACCEF	PT IN PR	INCIPL	Ε.		
OBE b	by 234 (identio	al comment)					nges to c	lraft at t	his time. Dan/Chris/Dylan/D	Dave S. to work	together to solve this
EZ						issue.					
<i>CI</i> 33 Dove, Dan	SC 33.2.4	.7	P 79 Dove Networ	L 6 rking Solut	# 233						
Comment	Туре Т	Comm	ent Status A		PSE SD						
explan perforr	nation in the d	iagram or tex eously on diff	t about how the va	ariables behave if	nature PDs, there is no classification is lassification holds if						
Suggested	dRemedy										
class[b classif	b] set of diagr	ams designed s in parallel ar	d to handle dual-si	ignature PDs for	nd create class[a] and cases where the nnectors into the rest of						
Response	-	Respon	se Status C								
ACCE	PT IN PRINC	IPLE.									
No cha	anges to draft	at this time.	Dan/Chris/Dylan/I	Dave S. to work t	ogether to solve this						
:			/ C								

issue.