C/ 33 SC 33 Yseboodt, Lennart	P <b>0</b> Philips	L <b>0</b>	# 95	C/ <b>30</b> SC <b>30.1</b> Zimmerman, George	P <b>30</b> CME Consultin	L <b>1</b> g	# 168
We are capitalizing T SuggestedRemedy	Comment Status <b>A</b> re used inconsistently. ype, it would make sense to d	o the same with	Editorial Class.	30.12.3.1 relate to PoE	Comment Status A clause 30 here. It appears only 5, and only 30.12.2.1 and 30.12 9 & 30.10, but really only the m and 30.12.3.1.	2.3.1 are the or	nly sections modified.
Change all occurrenc Response ACCEPT. EZ	es of 'class' to 'Class'. Response Status <b>C</b>			Delete 30.11 through 3 Delete 30.13 - 30. thro	art of 30.9 (delete P30 L3 - 163 30.12.2.1.5 (delete P169 L28 - ugh end of clause 30 inclusion	177 Ĺ50)	7 - 194 L20)
Cl 99 SC Zimmerman, George	P1 CME Consult	L <b>24</b>	# 167	Response ACCEPT. EZ	Response Status C		
Page 1 line 24: Need Page 1 line 25: status Page 2, abstract and Page 3, line 36, this i Page 4 line 27, this is	s 802.3bt-20XX	nt from PAR,	ligned with the PAR.	supported by PSE linro the same comment. See details in darshan	<i>P</i> 90 Microsemi <i>Comment Status</i> D at addresses linrush in Table 33 ush. Since both parameters are _03_0915.pdf titled: Type 3 and oving the standard forward.	e tied together,	they are addressed at
C/ 00 SC 0 Jones, Chad	P 6 Cisco	L 15	# 266	Proposed Response REJECT.	Response Status Z		
Comment Type E missing comment edi	Comment Status A		Editorial	This comment was WI Wait for presentation.	THDRAWN by the commenter.		
SuggestedRemedy add: David Abramsor Comment Editor	n, IEEE P802.3bt DTE Power	Via MDI over 4-F	Pair Task Force				
Response ACCEPT IN PRINCIF	Response Status <b>C</b> PLE.						
Awww, Thanks man.							
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E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Page, Line

Pa **90** Li **43** 

C/ <b>1</b> Dwelley, Da	SC <b>1.4.415</b> avid	P <b>97</b> Linear Techr	L <b>8</b> nology	# 211	<i>Cl</i> <b>1</b> Dwelley, D	SC 1 avid	.4	P <b>97</b> Linear	L <b>17</b> Technology	# 212
<i>Comment 1</i> Page n	<i>ype</i> <b>TR</b> umber is from	Comment Status A 802.3bx D3.2		Definitions	Comment <sup>®</sup> Page r		<b>TR</b> s from 8	Comment Status 02.3bx D3.2	Α	Definitions
"1.4.41 classifie	5 Type 1 PD: A cation (see IEE	ion in Clause 1 is broken: A PD that does not provide a E 802.3, Clause 33)."	0	re during Physical Layer	Suggested		, ,	and Type 4 PDs and P	SEs are missing.	
Suggestedl Change "1.4.41	Remedy e to: 5 Type 1 PD: A	<ul> <li>2 definitions appear to be O</li> <li>A PD that provides a Class 0, ee IEEE 802.3, Clause 33)."</li> </ul>		ture during Physical	classifi classifi	ication, u	understa see IEEI	provides a Class 6 or le nds multiple-Event cla E 802.3, Clause 33). at supports PD Types	ssification, and is car	bable of Data Link Layer
Response ACCEF	РТ.	Response Status C			classifi classifi	ication, u	understa see IEEI	E 802.3, Ċlause 33).	ssification, and is cap	bable of Data Link Layer
					Response ACCEI These	PT IN PI	RINCIPL ns aren'	Response Status E.	c	air power and Low MPS. can comment on them.
					classifi	ication, i	, mpleme	provides a Class 1 to C nts multiple-Event clas EE 802.3, Clause 33).		ng Physical Layer ts power on both Modes
					Type 3 Clause		PSE th	at supports PD Types	1-3 and supports Lov	v MPS (see IEEE 802.3,
					classifi	ication, i	, mpleme	provides a Class 7 or 8 nts multiple-Event clas opts power on both Mo	sification, is capable	
						PSE: A EEE 802			1-4 and supports 4-p	air power and Low MPS

Pa **97** Li **17** 

C/ 1 Dwelley, D	SC 1.4.425	6 P <b>97</b> Linear Techn	L <b>40</b>	# 213	C/ <b>33</b> Zimmerm		33.1.1	P 196 CME Consulting	L 1	# 169
			lology			,	0	·	J	
0	number is from	Comment Status A 802.3bx D3.2 efinitions in Clause 1 are 2-pai	ir centric:	Pres: Dwelley	corre	ous editi ct. How	ever P196	Comment Status A ction (P195 L 41) has clause 33 6 L1 and P196 L12 have edits t nnecessary.		
pair an 1.4.420 pair an Suggested	nd any conduct 6 VPSE: The v nd any conduct	oltage at the PD PI measured tor of the other power pair (see voltage at the PSE PI measure tor of the other power pair (see	e IEEE 802.3, Cl ed between any c	ause 33). conductor of one power		ove edits ling item	and editi	ing instructions within 33.1.1, a s it is in 802.3bxD3p2 (now 802 <i>Response Status</i> <b>C</b>		
"1.4.42 power Clause 1.4.420 power	25 VPD: The v pair and any c a 33). 6 VPSE: The v pair and any c	oltage at the PD PI measured conductor of the matching nega voltage at the PSE PI measure conductor of the matching nega	ative power pair ed between any o	(see IEEE 802.3, conductor of a positive	EZ C/ <b>33</b> Maguire, Comment	Valerie <i>Type</i>	33.1.1 T	P 196 Siemon Comment Status A	L 6	# 44 Cabling
Clause Response ACCEI	,	Response Status <b>C</b> PLE.			Suggeste Chan	dRemed	eference. <i>ly</i>			
Chang	ge to:				"Туре	e 3 opera	ation requ	ires ISO/IEC 11801:2002 Class	D or better	cabling"
		oltage at the PD PI measured y negative conductor of the co			to,					
802.3, "1.4.42	Clause 33)." 26 VPSE: The	voltage at the PSE PI measure	ed between any	positive conductor of a		e 3 opera tter cabli		ires ISO/IEC 11801:2002 Class	D. ANSI/T	IA-568-C.2 Category 5e,
	ed pair and an Clause 33)."	y negative conductor of the co	rresponding pow	vered pair (see IEEE	Response ACCI			Response Status C		
					EZ					

Pa **196** Li **6** 

/ <b>33</b> SC <b>33.1.3</b> immerman, George	P <b>197</b> CME Consultin	L <b>39</b> g	# 163	C/ 33 SC 33.1. Jones, Chad	.4 P 198 Cisco	L 9	# 267
omment Type E External cross referenc (forest green) uggestedRemedy See comment.	Comment Status <b>A</b> les 1.4.324,1.4.337, 1.4.256, <sup>2</sup>	.4.269 need to	Editorial be marked as External	SuggestedRemedy add a second sent	Comment Status A oduced, they just magically appea tence to the paragraph: "PSEs are the next sentence: "The power s	nd PDs are cate	
esponse ACCEPT.	Response Status C			Response ACCEPT.	Response Status C	,	
EZ / 33 SC 33.1.4 chindler, Fred	P <b>198</b> Seen Simply	L 8	# 228	EZ			
the link section connecting them. " have changed legacy re		<b>C</b>					
1.4.242 link segment: T	e portion of the link from the F The point-to-point full-duplex m ndent Interfaces (MDIs).						
We had a "link segmen that a full-duplex mediu	t" that changed to "link sectio m be used.	ח", which remo	ves that requirement				
uggestedRemedy							
The Task Force should "link section" with "link s	discuss these implications. T segment".	he preferred s	olution is to replace				
esponse ACCEPT IN PRINCIPL	Response Status <b>C</b> E.						
Change definition to:							
0							

Pa **198** Li **9** 

CI 33         SC 33.1.4         P 198           Maguire, Valerie         Siemon	L <b>26</b>	# 43		<i>Cl</i> <b>33</b> Darshan, Y	SC <b>33.1.4</b> air	P <b>198</b> Microsemi	L <b>29</b>	# 30
Comment TypeERComment StatusAMissing TIA reference in 4 locations in Table 33-1.SuggestedRemedyFor Type 1, change,			Cabling	If we as Type 3	33-1, Cable Typ gree that we wa and 4 systems	Comment Status <b>A</b> be for Type 3 and 4 systems. ant to work with cable instalat then we need to use Class I 3 and 4 as well.		Cabling
"Class D recommended" to,						Cabling Type for Type 3 and 4	to Class D (ISC	D/IEC
"Class D or Category 5 recommended" For Type 2, change,						blain the differences between 01:1995) for group to decide.		C 11801:2002) and
"Class D (ISO/IEC 11801:1995)"				Response ACCEF	PT IN PRINCIP	Response Status <b>C</b> LE.		
to,				OBE b	y comment 43			
"Class D (ISO/IEC 11801:1995) or Category 5 (ANS	SI/EIA/TIA-568-/	A:1995)"		C/ 33	SC 33.1.4	P 198	L 32	# 268
For Type 3, change				Jones, Cha	d	Cisco		
"Class D (ISO/IEC 11801:2002)" to,					33-1, last row, l	Comment Status <b>D</b> ast coulmn. We may need to regulations currently being c		
"Class D (ISO/IEC 11801:2002) or Category 5e (AN For Type 4, change	NSI/TIA-568-B.2	:2001)"		Suggested No cha	Remedy inge to suggest	yet. Wanted a placeholder ir es devised at the meeting.		
"Class D (ISO/IEC 11801:2002)"				Proposed F REJEC		Response Status Z		
to,				This co	omment was W	ITHDRAWN by the comment	ter.	
"Class D (ISO/IEC 11801:2002) or Category 5e (AN Response Response Status C ACCEPT.	NSI/TIA-568-B.2	:2001)"		Task F	orce to discuss			
See comment 30.								

Pa **198** Li **32** 

Cl <b>33</b> Darshan,	SC <b>33.1.4.1</b>	P <b>199</b> Microsemi	L <b>5</b>	# 19		C/ <b>33</b> Darshan,	S( Voir
Comment This i GEO I was Due t adres Suggeste Repla "Type requi speci in ISO IEC 1 25 Thes speci 568-0 and 1 opera requi	<i>Type</i> <b>T</b> s my response to of FF THOMPSON, G asked to review it o the fact that part is only the comment <i>dRemedy</i> ace lines 5-12 in part of power levels mark rements fied in Table 33–1. )/ 1801:1995, with the or less. e requirements are fied in ANSI/TIA- 2.2; or Category 5 of ype 4 titon requires Class rements are	Comment Status A comment #4 in D1.1 per Mair GRACASI S.A./LINEAR TECH and submit my responce. of the requested is already in the part that adresses clasue 3 age 199 clause 33.1.4.1 from ay be transmitted over all spec- Type 2 operation requires C are additional requirement that also met by Category 5e or cable and components as sp is D or better cabling as speci-	HNOLOGY. mplemented i 33.1.4.1 ecified premis lass D, or bet t channel DC better cable a pecified in ANS ified in ISO/IE	n clause 33.1.4 es cabling that i tter, cabling as s loop resistance and components SI/TIA/EIA-568- C 11801:2002.	, I will meets the specified shall be s as A. Type 3 These	Comment Missin Type Suggeste Chan Type To: Type Response ACCE Type C/ 33 Yseboodt Comment In Tal What powe	Type ng Typ 2 and dRem ge froi 2 and 2 Type EPT IN 2, Type Sc , Lenn c Type ble 33 we re
requi true t trans levels and (	rements to the cab but may require sor mitted over all spece may require heav more uncommonly	er the data connection is inte ling that is normally installed ne further attention. Power a cified premises cabling witho ier gauge conductors than ar ) in some lighter gauge Class ategory 5 or better cable and	for data usag t Type 1 powe ut further rest re found in Cla s D or better o	e. This is appro er levels may be rictions. Higher ass C/Category cable. The requi	oximately e power 3 cabling	- Cha	lace c nge co nove n e

ANSI/TIA/EIA-568-A."

ACCEPT IN PRINCIPLE.

Chair to close MR 1271.

No further changes to the draft are required.

Response Status C

Many of the changes in MR 1271 have been incorporated into the draft.

Response

t Type ER Comment Status A Cabling ing Type 4 in: 2 and Type 3 operation requires a 10 °C reduction in the maximum: dRemedy nge from:

L 14

# 1

P 199

Microsemi

2 and Type 3 operation requires a 10 °C reduction in the maximum:

2 Type 3 and Type 4 operation requires a 10 °C reduction in the maximum:

Response Status C e

EPT IN PRINCIPLE.

SC 33.1.4.1

2, Type 3, and Type 4 operation requires a 10 °C reduction in the maximum:

CI 33	SC	33.2.0a	P 200	L 28	# 1	18	
Yseboodt, L	ennai	rt	Philips				
Comment T	ype	т	Comment Status A				Types
			e a column "Number of Pairs				

we really want here is to indicate if the PSE shall, may, or may not support 4P ering.

difference is in \*support\* versus \*used\*.

#### dRemedy

place column title by "Supports 4-pair power".

ange content to "No, No, Allowed, Allowed, Yes, Yes"

nove note 4 as this clarification is then no longer needed.

Response Status C е

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

Pa 200 Li 28

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CI 33 SC 33.2.0a		L <b>30</b>	# 185	C/ <b>33</b>	SC	33.2.0a	P <b>200</b>	L <b>45</b>	# 269
Johnson, Peter	Sifos Technol	ogies		Jones, Ch	ad		Cisco		
Comment Type E	Comment Status A		Types	Comment	Туре	т	Comment Status R		Pres: Type
Only", etc. Seems lik SuggestedRemedy Change values to "2" "pairsets", and becau	a heading "Number of Pairs us te these values need only be "2 , "2 or 4", or "4". Furthermore, se pairset is now defined in De er to "Number of pairsets used	2", "2 or 4", or "4 because footno finitions, it migh	" to be meaninful. te 4 uses the term it be even better to	The s with th class_ syster handle cause	econd one inform _num_e m. The ed by a es a cou	column sin mation in events, of desire to t llowing Ty uple of pro	t #72 in D1.1 made some ur nply states "maximum class Table 33-3 on page 214 that 1,2,4,5 and this implies that oring the new features invent pe 3 systems class_num_ev blems: PTIONS for new Class 0-3 sy	supported" and states Type 4 c we can make a ed for 802.3bt to ents of 1,2,4. ex	states Class 8. Join this an have Type 4 Class 0-3 b legacy systems is ttending this to Type 4
Response ACCEPT IN PRINCIP OBE by comment 11				Class 2. allo made alreac The ir	s 0-3 sy wing a to T4 to ly awar nprover	vstems. to Type 4 Cl o these lov e of some ments for	quote Geoff: options bad, si ass 0-3 system implies that wer power systems; for insta problems with legacy device Type 4 are easily defended f	andards good. you can extend t nce, a single po es. or a high power,	the 'improvements' larity PSE. We are engineered system but
C/ <b>33</b> SC <b>33.2</b> Dwelley, David	P <b>200</b> Linear Techno	L <b>34</b> blogy	# 201	to gai	n WG a	approvial).	for the low power systems, (	see MDI/MDIX a	addition required in AF
Event" and "Multiple-	Comment Status <b>A</b> t" Classification to "Multiple-Ev Event" don't match well. "Single s changing a long-standing par- buld bring is worth it.	e-Event" fits bet	ter.	page : <i>Response</i> REJE	the cha 214, lin CT.	anges mad	le from comment #72 in D1. e 4 class_num_events from <i>Response Status</i> <b>C</b>		, change Table 33-3 on
SuggestedRemedy				·	0	••	•		
Change "1-Event" to 34).	"Single-Event" throughout the c	document (first	instance at p200 line	C/ <b>33</b> Lukacs, M		33.2.0.a	P <b>200</b> Silicon Labs	L <b>49</b>	# 56
Response ACCEPT.	Response Status C				is a typ		Comment Status A sentence: 1-Event Classificat	ion of differs be	Editoria tween Types.
				Suggestee Chang			assification differs between	Гуреs.	
				Response ACCE			Response Status C		
				EZ					

Pa **200** Li **49** 

C/ 33 SC 33.2.0a Yseboodt, Lennart	P <b>200</b> Philips	L <b>49</b>	# 59	C/ 33 SC 3 Johnson, Peter	3.2.0a	P <b>200</b> Sifos Technolo	L <b>50</b> ogies	# 189
Comment Type E "1-Event Classification 12 for details."	Comment Status <b>A</b> of differs between Types. Ple	ease refer to Ta	<i>Editorial</i> ble 33-10 items 11 and	Footnote 4 sho	4 of the t	Comment Status <b>A</b> ly to ALL Type-3 PSE's that pl able. Secondly, assuming that	at we are allow	ing for Type-3 PSE's
SuggestedRemedy "1-Event Classification for details."	n differs between Types. Pleas	se refer to Table	33-10 items 11 and 12	4-pair PSE's o	nly. Fina classific	(to Class 3/4 limit), then Section ally, there is a caveat that a T cation by power management / 4.	/pe-3 or Type-/	4 PSE that is restricted
Response	Response Status C			SuggestedRemed	/			
ACCEPT IN PRINCIPI	LE.					ever "4-Pair" (or 2 pairsets) ap	opears in the ta	able.
OBE by comment 186 EZ	5.			pairsets shall	determin			
C/ 33 SC 33.2.0a Johnson, Peter	P <b>200</b> Sifos Technol	L <b>49</b> ogies	# 186			tnote: "Type 1 PDs and Type Type 2 may be powered using		ve been clearly
Comment Type E Footnote 3 to Table 33 SuggestedRemedy	Comment Status A 3-1a has a typo - remove the "	of" before "diffe	Editorial rs".	ACCEPT IN P OBE by 118	RINCIPL	Response Status <b>C</b> E.		
	e "differs" in footnote 3.			C/ 33 SC 3	33.2.1	P <b>201</b>	L 10	# 60
Response ACCEPT.	Response Status C			Yseboodt, Lennart Comment Type Reference to	Е	Philips Comment Status <b>A</b> ation of Alternative A and Alter	native B Endo	Editoria
EZ						Figure 33-4, Figure 33-5, Figu		
C/ 33 SC 33.2.0a Yseboodt, Lennart	P 200 Philips	L <b>50</b>	# <u>136</u>	illustrated in F	of Alterna igure 33-	ative A and Alternative B Endp -4, Figure 33-5, Figure 33-5a,		
	Comment Status A be powered using one pairse red over 2P, not just Type 1 or		Types	7, Figure 33-7 <i>Response</i> ACCEPT.	a, and Fi	gure 33-7b." Response Status C		
SuggestedRemedy Remove sentence.				EZ				
Response ACCEPT IN PRINCIPI	Response Status <b>C</b> LE.							
OBE by 118.								

Pa	201
Li	10

CI 33	SC 33.2.3	P 209	L <b>20</b>	# 137	C/ 33	SC 33.2.3	P 209	L 27	# 184
Yseboodt,	Lennart	Philips			Johnson,	Peter	Sifos Techn	ologies	
Comment	Type <b>TR</b>	Comment Status A			Commen	t Type TR	Comment Status A		Types
		e polarity choices associated onding with their Type."	with Alternative	A or Alternative B li	is op	tional when it is n	SEs may operate simultaned ot in many cases (Class 5 a		
Suggested	lRemedy					, ,	fied in Table 33-1a.		
"PSEs		, 'shall' missing. tted polarity configurations as Fable 33-2a corresponding wi		Iternative A or		edRemedy lige to:			
Response ACCE		Response Status C			Clas	s 5 and above an	Es shall operate both Altern d may operate both Alternati ower on both Modes.		
					Respons	01	Response Status <b>C</b>		
EZ						- EPT IN PRINCIP	•		
C/ <b>33</b> Dove, Dan	SC 33.2.4.3	P 209 Dove Network	L <b>23</b> ting Solut	# 251		by 138.			
Comment	Type <b>TR</b>	Comment Status D		Pre	s: SD CI <b>33</b>	SC 33.2.4	P 209	L 35	# 61
		Es will use Pairset Controllers	s and this shoul	d be identified early	in Ysebood	, Lennart	Philips		
the co	nstant descriptio	ns.			Commen	t Type E	Comment Status A		Editorial
Suggested						51	SEs shall provide the behavi	or of the state dia	agrams shown in
		e PSE and Pairset Control sta and Type 4 PSEs, each pairs			Figu	es (TBD)."			
	h constant"	and Type 41 OES, each pairs	er controller wi		Suggeste	edRemedy			
Proposed I		Response Status Z				e 3 and Type 4 Pa es 33-9a to Figur	SEs shall provide the behavi e 33-9g."	or of the state dia	agrams shown in
REJEC	. از				Respons	е	Response Status C		
This co	omment was WI	THDRAWN by the commente	er.		ACC	EPT.			
Wait fo	or PSE State Dia	gram Presentations			EZ				
CI 33	SC 33.2.3	P 209	L 27	# 138					
Yseboodt,	Lennart	Philips							
Comment	Type <b>TR</b>	Comment Status A		-	rypes				
"Type	3 and Type 4 PS	SEs may operate simultaneou	Isly on both Alte	ernatives."					
Condit	iono onnly thio (	statement is not always true							
		statement is not always true.							
Suggested	-		nhu on hath Alte	motivoo when the					
		SEs may operate simultaneou n 33.2.5.6 are met."	isiy on doth Aite	ernatives, when the					
Response		Response Status C							
ACCE	PT.								
	•	ed ER/editorial required GR/ spatched A/accepted R/reje			0	ed Z/withdrawn	Pa 2 Li 3		Page 9 of 74 9/18/2015 11:48: <sup>2</sup>

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

CI 33         SC 33.2.4         P 209         L 36         # 249           Dove, Daniel         Dove Networking Solut	C/ 33         SC 33.2.4.4         P 209         L 44         #         250           Dove, Daniel         Dove Networking Solut <t< th=""></t<>
Comment Type ER Comment Status A Editorial TBD No longer necessary	Comment Type ER Comment Status D Pres: SD Additional Text required
SuggestedRemedy         Strike"(TBD)" and replace with "33-9a through 33-9g and Figure 33-10."         Response       Response Status         ACCEPT IN PRINCIPLE.         We need to see if Figure 33-10 will apply to Type 3/4 or will we need to create a new one         Partial OBE by comment 61.         EZ         C/ 33       SC 33.2.4.4         P 209       L 36         Dove, Daniel       Dove Networking Solut         Comment Type       TR         Comment Status       D         Pres: SD         New variables to be added         SuggestedRemedy         Insert the following; "PS_Det_Fail_A This variable provides an indication from the Pairset A	Additional Text required         SuggestedRemedy         Insert the following; "For Type 3 and Type 4 PSEs, the PI will consist of either an Alt-A pairset, an Alt-B pairset, or both Alt-A and Alt-B pairsets being controlled by pairset controllers. The pairset controller will utilize timers, variables and functions defined in this subclause as either a single controller, or as two controllers using local instances of each timer, variable and/or function."         Proposed Response       Response Status       Z         REJECT.       This comment was WITHDRAWN by the commenter.         Wait for presentation       Unit for presentation         Cl 33       SC 33.2.4.4       P 209       L 49       # 254         Dove, Daniel       Dove Networking Solut       Pres: SE         PD_4pair_candidate no longer required       SuggestedRemedy
controller that a failure to detect has occurred. PS_Det_Fail_B This variable provides an indication from the Pairset B controller that a failure to detect has occurred.Values: True: The pairset controller has timed out when attempting detection.False: The pairset controller has not timed out when attempting detection." Proposed Response Response Status Z REJECT.	Replace PD_4pair_Candidate with PD_Alt, replace the sentence "This variable is a function of the results of detection, connection_check and an additional 4PID method" with "This variable is a result of the function do_PD_Check." Under Values, delete the text for False and True, and Insert the following; "A: The PD is a candidate for accepting power on Alt-A B: The PD is a candidate for accepting power on Alt-B Both: The PD is a candidate for accepting power on both Alt-A and Alt-B simultaneously"
This comment was WITHDRAWN by the commenter. Wait for presentation	Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter. wait for presentation

Pa **209** Li **49** 

C/ 33 SC 33.2.4.1	P 210	L <b>5</b>	# 187	C/ 33	SC 33	.2.4.1	P <b>210</b>	L <b>5</b>	# 202
ohnson, Peter	Sifos Technol	ogies		Dwelley, D	avid		Linear Te	chnology	
Comment Type E Comme	ent Status A		Editorial	Comment	Type I	E	Comment Status A		Editor
Partially deleted sentence regard done as maintenance? (If not, it	should have been	a maintanence	task.) Also, moving to				essive or not quite aggi ction using Alternative E		ting text last time:
the new clause 33.2.5.5 seems a behavior.	bit out of place sir	ice the topic is o	clearly about back-off	Suggested	Remedy				
SuggestedRemedy							al sentence from D1.1, one previous sentence.	or kill this sentence	entirely and add (see
Either delete the sentence in 33.2 location.	2.4.1 entirely or re-	locate 33.2.5.5	clause back to it's prior	Response			Response Status C		
	se Status C			ACCEI	PT.				
ACCEPT IN PRINCIPLE.				We rer	moved the	e senten	ce in order to not have	the same requirem	ent in two places
OBE by comment 202.				Chang	e senteno	ce to:			
C/ 33 SC 33.2.4.1 /seboodt, Lennart	P <b>210</b> Philips	L <b>5</b>	# 62				ction using .5 for more information	on detection back	off requirements."
Comment Type E Comme	ent Status A		Editorial	C/ 33	SC 33	.2.4.1	P 210	L 5	# 270
"If a PSE performs detection usin	ng Alternative B see	ə 33.2.5.5."		Jones, Cha			Cisco		
SuggestedRemedy				Comment	Type	E	Comment Status A		Editor
"If a PSE performs detection usin	ng Alternative B see	e Section 33.2.5	5.5."				ction using Alternative E		
Response Respon ACCEPT IN PRINCIPLE.	se Status C			version	n of the di	aft that	ccesary text. Perhaps it doesn't show the chang to change bars).		nis stuff without the est a clean version of the
OBE by comment 202.				Suggested	Remedy		ũ ,		
				••		5.5)" to tl	he end of the previos pa	aragraph and delet	e this sentence.
C/ 33 SC 33.2.4.1 Picard, Jean	P <b>210</b> Texas Instrum	L <b>5</b> nents	# 247	Response	PT IN PR		Response Status C		
Comment Type ER Comme Sentence seems imcomplete	ent Status A		Editorial		y comme				
SuggestedRemedy Remove parentheses around "se	e 33.2.5.5"								
•	se Status C								
OBE by comment 202.									

Pa **210** Li **5** 

C/ 33         SC 33.2.4.2         P 210         L 37         # 237           Schindler, Fred         Seen Simply	C/ 33         SC 33.2.4.4         P 211         L 41         # 219           Schindler, Fred         Seen Simply
Comment Type       TR       Comment Status       A       Editorial         In D1.0 comment 229 struckout text,       ""both_alts_valid:A Type 3 or Type 4 PSE has detected a PD requesting power on both pair sets." This was not done for D1.1 or D1.2. The variable both_alts_valid was replaced by a do_detection state.       Editorial	Comment Type ER Comment Status A Edia Fix typo "Tyep". SuggestedRemedy Use "Type".
SuggestedRemedy Replace text, "Insert new variables both_alts_valid, PD_signature and PD_4pair_candidate as follows:" With, "Insert new variables PD_4pair_candidate as follows:"	Response     Response Status     C       ACCEPT IN PRINCIPLE.     OBE by comment 96.
Strike out text on lines 40 to 43,	Cl 33         SC 33.2.4.4         P 212         L 52         #         255           Dove, Daniel         Dove Networking Solut
"both_alts_valid This variable is provided for Type 3 and Type 4 PSEs. Values:False:do_detection does not yield "valid" on both pairsets. True: do_detection yields "valid" on both pairsets."	Comment Type         TR         Comment Status         D         Pres           Need to add variables to address pairset operation as independent for each pairset controller.         Pres         Pres
Strike Editor's Note,         "Editor's Note: The above parameter (both_alts_valid) need to be refined by comments.         These should be reviewed as connection check text is adopted."         Response       Response Status         ACCEPT.         This should have been done already.	SuggestedRemedy Add: mr_ps_enable: A control variable that selects Pairset operation and test functions. This variable is provided by a management interface that may be mapped to the PSE Control register P Enable A, or PS Enable B bits (11.9 and 11.8 respectively), as described below, or other equivalent functions. Values: True - The pairset function is defined by PSE Control register bits 1:0 False - The pairset function is disabled
EZ. C/ 33 SC 33.2.4.4 P 211 L 40 # 96	Proposed Response Response Status Z REJECT.
Yseboodt, Lennart Philips	This comment was WITHDRAWN by the commenter.
Comment Type         ER         Comment Status         A         Editorial           original text: " Type 3 and Tyep 4 PSEs shall use this value"         Typo in type         Editorial	Wait for presentation
SuggestedRemedy "Type 3 and Type 4 PSEs shall use this value."	
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: Page, Line

Pa **212** Li **52** 

CI 33 SC 33.	2.4.4 P 213	L <b>4</b>	# 256	C/ 33	SC 33.2.4.5	P <b>215</b>	L <b>2</b>	# 257
Dove, Daniel	Dove Netw	orking Solut		Dove, Daniel		Dove Netwo	rking Solut	
Comment Type <b>1</b>	Comment Status D		Pres: SD	Comment Typ	e TR	Comment Status D		Pres: SL
	d either be a local PS_Controlle instance, one pairset may be u			We need	to add tcc2de	et _timer into this subclause		
SuggestedRemedy replace "PSE" w controller) is goin	h "pairset controller". I believe t g to be needed in multiple locat	hat this (replacing		Defined as	et_timer for s s: et_timer for s	state diagram to start, stop a state diagram to start, stop a		
Proposed Response REJECT.	Response Status Z			tcc2det_ti	mer - A timer	used to limit the duration front from the started	om connection_c	check function being
This comment w Wait for present	is WITHDRAWN by the comme	enter.		Proposed Res REJECT.	ponse	Response Status Z		
C/ 33 SC 33.	2.4.4 P 214	L <b>52</b>	# 139			THDRAWN by the commen	ter.	
Yseboodt, Lennart	Philips			vvalt for P	resentation.			
Comment Type <b>1</b> Topic: Type 4 cla	ssrange		Pres: Types	C/ 33 S Yseboodt, Ler	SC 33.2.4.5	P <b>215</b> Philips	L <b>9</b>	# 140
of supporting. For	4 PSEs shall issue no more cl example, this would apply to a de or a Type 3 PSE that has a h roe 4.	PSE that is overs	ubscribed and in power	state mac	additional Au hines to disti	Comment Status A toclass signature timers (eg nguish short and long first fi		
SuggestedRemedy				SuggestedRei Insert edit	,	ners to be added for Autocla	ass"	
of supporting. Fo	4 PSEs shall issue no more cl example, this would apply to a de or a Type 3 or Type 4 PSE tl	PSE that is overs	ubscribed and in power	Response ACCEPT.		Response Status C		
Response ACCEPT.	Response Status C			EZ				

Pa **215** Li **9** 

Cl 33 SC 33.2.4 Lukacs, Miklos	4.6P 216Silicon Labs	L 18	# 55	CI 33 SC Johnson, Peter	33.2.4.6	P <b>216</b> Sifos Techno	L <b>36</b> logies	# 190
Comment Type TR	Comment Status A		Definitions	Comment Type	т	Comment Status A		PSE State Diagran
This is the first plac are not described.	e where the single and dual sign	ature PD is me	ntioned, but these terms			, for example Class 5, do not d in Table 33-16a.	account for Du	al Signature
SuggestedRemedy				SuggestedReme	edy			
Insert a chapter int signature)	o section 33.1. describing the PD	interface varia	nts (single and dual			flect Dual Signature classificaunction must eventually take		
Response	Response Status C			Response		Response Status C		
ACCEPT IN PRINC	IPLE.			ACCEPT IN	PRINCIPL	E.		
Insert pointer at firs	t use of each "single" and "dual	" with approp	iate definition reference.	Add editor's	note: "DS	PD classification must be ta	ken into accour	t here."
CI 33 SC 33.2.4	4.6 <i>P</i> 216	L <b>29</b>	# 141	CI 33 SC	33.2.4.6	P 217	L 10	# 258
Yseboodt, Lennart	Philips			Dove, Daniel		Dove Network	king Solut	
Comment Type TR	Comment Status A		Editorial	Comment Type	TR	Comment Status D		Pres: SL
Type 1 PSE that m	ver: This variable indicates the po easures a Class 4 signature assi lass than a Type 3 or Type 4 PS	gns that PD to	Class 0. When a PD	approach. E	ach detecti	detection function don't align on is done by the pairset cor nis returns the function result	ntroller, thus on	y a single pairset is
the PD class 3, 4, o	or 6, whichever is the highest that	t it can support		SuggestedReme	edy			
This exact same 's	nall' statement is in 33.2.6.2, pag	e 237, line 4-5.		•••	•	and Valid_AB references.		
SuggestedRemedy				Proposed Respo	onse	Response Status Z		
	PD requests a higher class than a In the PD class 3, 4, or 6, whiche			REJECT.				
Response	Response Status <b>C</b>	5		This comme	ent was WI⁻	THDRAWN by the commenter	er.	
, ACCEPT IN PRINC				Wait for pres	sentation.			
	a PD requests a higher class thar e PD class 3, 4, or 6, whichever i							

Pa **217** Li **10** 

Cl 33 Schindler, I		3.2.4.6	P <b>218</b> Seen Simply	<i>L</i> 1	# 224		C/ <b>33</b> Yseboodt,		33.2.4.6 t	P <b>218</b> Philips	L <b>5</b>	# 97	
Comment 1		ER	Comment Status D			Editorial	Comment		ER	Comment Status A			Editoria
Editor's "Editor' Team t	's Note:	"Mutual i	dentification not complete" in	above parag	raph needs to be c	lear.	" for that, T	which t ype PD	he PSE sł <= PSE 1	nall select to meet the requir Type <= Type PSE."	ements of its T	ype or a less ⊺	
		to above	paragraph during reviews."				Can b	e more	compact/c	clear + fix spelling mistake.			
l do no	t under	stand why	this note exists.				Suggested	dRemea	ly				
Suggested										hall select to meet the requir pe <= Type_PSE."	ements of any	Type such tha	t
note if	no cono	cern rema	has a concern with the refer ins. Otherwise add some spe			ditor's	Reque	est to ec	litor: the p	aragraph has so many strike	eouts, readabili	y is poor.	
Proposed F		se	Response Status Z				Response			Response Status C			
REJEC	<i>i</i> .						ACCE						
This co	mment	was WIT	HDRAWN by the commenter				C/ 33	<u> </u>	33.2.4.6	P 218	L <b>7</b>	# 20	
Task fo	orce to	discuss					Darshan, <sup>v</sup>		33.2.4.0	P 218 Microsemi	LI	# 20	
2/ <b>33</b> /seboodt, l	Lennart		P 218 Philips	L <b>5</b>	# 114			ft D1.2		Comment Status A became Icont in the list at: M-2P, TLIM-2P, and PType	(see Table 33–	11).".	Editoria
PSE sh	ept for nall sele	ect to mee			e 33-11), for which	es: Yair3 h the	Suggested Chang "excep	dRemed ge from:	ly	M-2P, TLIM-2P, and PType		·	
uncond	ditionall	when po	rently, D1.2) required to supp wering over 4P. We are likely				to: "excep	ot for IC	on, ILIM-2	P, TLIM-2P, and PType (see	e Table 33–11)	,"	
- "180u - "360u							Response ACCE			Response Status C			
			Type 4 PSEs (which may be r ish if they are powering (or ar				EZ						
	ept for	Con-2P,	I LIM-2P, linrush, linrush-2P, shall select to meet"	T LIM-2P, ar	nd P Type (see Tab	ble 33-							
Response ACCEF	PT IN P	RINCIPLI	Response Status <b>C</b>										
			M-2P, linrush, linrush-2P, T L select to meet"	IM-2P, and F	P Type (see Table 3	33-11),							

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

Pa **218** Li **7** 

33 SC 33.2.4.6	6 P 218	L 104	# 259	C/ 33	SC 33.2.4.7	P 223	L 13	# 115
ove, Daniel	Dove Network	-		Yseboodt		Philips		
Comment Type TR	Comment Status D		Pres: SD	Comment	Туре Т	Comment Status A		PSE State Diagran
Based on the latest p do_PD_check.	proposal for the state diagram,	we need to add	a function called	delive	elass missing from ering power state of diagram".	n state diagrams, eg: "Figure diagram" and "Figure 33-9g <sup>-</sup>	33-9c Type 3 a Type 3 and Typ	and Type 4 PSE be 4 PSE classification
uggestedRemedy					0			
Insert the following; c	lo_PD_check_ the PD_check in Section 33.2	5 Ob. This func	tion roturns the	Suggeste	•	toclass to be added to state	machina"	
following variable:							machine .	
PD_Alt: This variable accepting power from Values:	indicates which pairsets are to the PSE.	be considered	a candidate for	Response ACCE		Response Status C		
A - The PD is a cano	didate for receiving power on th			CI 33	SC 33.2.4.7	P <b>226</b>	L 1	# 129
	didate for receiving power on the andidate for receiving power or		and Alt-B pairsets	Yseboodt	, Lennart	Philips		
simultaneously.			and Air D pairsets	Comment	Type TR	Comment Status A		PSE State Diagram
Proposed Response REJECT.	Response Status Z					3 and Type 4 state diagram do not apply and can be ren		he states CLASS_EV1
				Suggeste	dRemedy			
	/ITHDRAWN by the commented	er.			ove mentioned sta seboodt_state_di	ates and incoming and outgo agram_0915.pdf	ing arrows.	
Wait for presentation				Response	9	Response Status C		
Cl 33 SC 33.2.4.7	7 P 221 Dove Network	L 1 king Solut	# 260	ACCE	EPT.			
Comment Type TR	Comment Status D		Pres: SD					
hierarchical drawing,	or theType 3 and Type 4 PSE 3 and an approach where each p gnature PD, and/or a single pai	pairset is contro	lled independently for					
uggestedRemedy								
	ate diagrams with appropriate in T3T4PSEStateDiagramV1.3		nd removal of					
Proposed Response REJECT.	Response Status Z							
This comment was V	/ITHDRAWN by the commenter	ər.						
Wait for presentaiton								

Pa **226** Li **1** 

	C 33.2.5	P 227	L 35	# 225	C/ 33		33.2.5	P 227	L 38	# 92
Schindler, Fred		Seen Simply			Yseboodt,	Lennar	rt	Philips		
Comment Type	TR	Comment Status A		PSE Power	Comment	Туре	ER	Comment Status A		PSE Powerin
PSE has su	rational sta	te, the PSE shall not apply op detected a valid signature ove ermitting allowed specific syste	r that pairset."		the PS	SE has	successfu	e, the PSE shall not apply op Illy detected a valid signature ve sentence needs to be add	over that pairs	et."
SuggestedRem								onnected to a SS class 0-4 P		<b>J</b>
PSE has su	rational sta iccessfully ature PD wi	te, the PSE shall not apply op detected a valid signature ove th less than or equal to class 4	r that pairset.	A PSE powering a	"A Typ POWE	be 3 or ER_ON	Type 4 PS	ed by in 33.2.7.1: BE that is connected to a clas y transition between 2-pair an pon."		
Response					Suggested	dRemed	dy			
ACCEPT IN "In any ope PSE has su	rational sta	Response Status C LE. te, the PSE shall not apply ope detected a valid signature ove			Possik "In any the PS	oly ame y opera SE has	successfu	ntence: e, the PSE shall not apply op illy detected a valid signature air and 4-pair mode."		
section 33.2	2.7.1."				Response			Response Status C		
CI 33 SC	C 33.2.5	P <b>227</b>	L 37	# 35	, ACCE		PRINCIPL			
Darshan, Yair		Microsemi					-			
Comment Type	TR	Comment Status A		PSE Powering	OBE b	by comr	ment 225.			
In any operation	ational stat	d the Editor Note following this e, the PSE shall not apply ope	rating power to	o the PI a pairset until	<i>CI</i> <b>33</b> Dove, Dan		33.2.5	P 227 Dove Network	<i>L</i> <b>39</b> ing Solut	# 261
the PSE ha	s successi	ully detected a valid signature	over that pairs	et.	Comment	Туре	TR	Comment Status A		PSE Powerin
single pairs	et when co allow turni	ve sentence needs to be addr nnected to a SS class 0-4 PD. ing on and off a single pairset v		C C	Type 3 PSE S states	3 or Typ State Di on the	be 4 PD pi agram do different p	Note: I believe that unless its recludes powering off one pai es not allow a single signatur pair-sets. Adding such would ould a Type 3 PSE with singl	rset. The relev e process to ha substantially in	ant issue is that the ave different power crease complexity.
SuggestedRem	edy					le-signa		be in if it removed power on o		
		text after line 38:	olid olanoturo d	over each poircet of a	Suggested		dv			
single signa	ature PD. m	E that successfully detected v nay turn off one of the pairsets	and turn it on	dain during	•••		•	ote and leave text as is.		
POWER_U	P or POWE	ER_ON states. epted, to remove editor note ir		0 0	Response	,		Response Status C		
Response		Response Status <b>C</b>			ACCE	PT.				
ACCEPT IN	I PRINCIPI	,								
OBE by 225	5.									

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

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Li <b>39</b>	9/18/2015 11:48:16 AM

CI 33         SC 33.2.5         P 227         L 39         # 21           Darshan, Yair         Microsemi	C/ 33         SC 33.2.5         P 227         L 42         #         214           Schindler, Fred         Seen Simply
	Powering Comment Type TR Comment Status A PSE Detection
Per the Editor Note we need to allow at POWER-UP or POWER ON state to turn	5 V
back to ON a sigle pairset.	requirements. This same concern exists for all of these changes.
SuggestedRemedy	SuggestedRemedy
<ol> <li>Add the following text after line 39: Type 3 and Type 4 PSE that successfully detected valid signature over each pairs powered up a Single Signature PD, may turn off one of the pairsets and turn it on during POWER_UP or POWER_ON states.</li> <li>Remove Editor Note in lines 39-40.</li> </ol>	The Task Force should discuss the implications of restoring IEEE 802.3-2012 values. When I review the specification I see link section and link segment values used interchangeably. The text in this section lines 42 and 43 are an example of this. The group should decide what is required and change all occurrences of these words to a consistent usage and technical implications.
Response Response Status C	Response Response Status C
ACCEPT IN PRINCIPLE.	ACCEPT IN PRINCIPLE.
OBE by comment 225.	No changes to draft.
C/ 33 SC 33.2.5 P 227 L 40 # 93	CI 33 SC 33.2.5 P 228 L 5 # 262
Yseboodt, Lennart Philips	Dove, Daniel Dove Networking Solut
Comment Type ER Comment Status A PSE	Powering Comment Type ER Comment Status R Connection Check
Topic: Class 0 / Type 3 removal	The words "that will deliver" suggest that power WILL be delivered on both pairsets.
"Editor's Note: The above sentence needs to be addressed as it forbids turning off a single pairset when connected to a SS class 0-4 PD."	SuggesteaRemeay
SuggestedRemedy	Replace "that will deliver" with "capable of delivering".
"Editor's Note: The above sentence needs to be addressed as it forbids turning off a single pairset when connected to a SS class 1-4 PD."	and on Response Response Status C REJECT.
Response Response Status C ACCEPT IN PRINCIPLE.	"that will deliver" is the intent of the sentence. If a type 3/4 PSE will only deliver power over 1 pairset, it does not need to do a connection check.
OBE by comment 261.	C/ 33 SC 33.2.5.0a P 228 L 14 # 220
	Schindler, Fred Seen Simply
	Comment Type ER Comment Status A Editorial
	The section repeats a requirement. Text, "The connection check shall be completed before classification is performed on any pairset." is not required because the same requirement is covered in line 5.
	SuggestedRemedy
	Strike the referenced text on line 14.
	Response Response Status C
	ACCEPT.
	EZ
TYPE: TR/technical required ER/editorial required GR/general required T/technical	editorial G/general Page 18 of 74
TYPE: TR/technical required ER/editorial required GR/general required T/technical COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: SORT ORDER: Page, Line	

CI <b>33</b>		33.2.5.01	P <b>228</b>	L <b>36</b>	# 218	C/ 33	SC 33.2.5.4		L <b>33</b>	# 45
Schindler	, Fred		Seen Simply			Bennett, Ke	n	Sifos Technolo	ogies, In	
Comment	Туре	Е	Comment Status A		Connection Check	Comment T	vpe E	Comment Status A		Editorial
"The		on check	shall be rerun if power up fails ed from both pairsets at the s			exceede	ed", however i	is referenced in the text: "but or t has been removed from the ta		e offset tolerances are
			y be improved.			SuggestedF	,			
Suggeste	dRemed	ly				•	"offset tolera	nces" to "offsets"		
	ice the te					Response		Response Status C		
			shall be rerun if power up fails from both pairsets	to meet the tir	ning requirements or	ACCEP	Т.			
			ER_UP state."			EZ				
Response	9		Response Status C			C/ 33	SC 33.2.5	P 232	L <b>2</b>	# 263
ACCE	EPT IN P	PRINCIPLI	Ξ.			Dove, Danie	I	Dove Network	ng Solut	
	ice with:					Comment T 4PID ha		Comment Status <b>D</b> cated (in my proposal) by PD_0	Check.	Pres: SD
timing		ments or	shall be rerun before applying bower is absent on both pairse				e "4PID" with '	'PD_Check" in all instances of t		
C/ 33	SC :	33.2.5.2	P 229	L <b>50</b>	# 98	,		ection state" and replace with "m ce PD_4pair_candidate" with "P		on" and delete "mutual
Yseboodt	, Lennart	t	Philips			Proposed R	esponse	Response Status Z		
Comment	Туре	Е	Comment Status A		Editorial	REJEC	Г.			
volta) Suggeste	0		read as 'or', should be 'and'			This cor	mment was W	ITHDRAWN by the commenter	:	
Repla	ice 'volta	age/curren	t' by 'voltage and current'			Wait for	presentation.			
Response	9		Response Status C							
ACCE	EPT IN P	PRINCIPLI	≣.							
Chan	ge sente	ence to:								
			is calculated from ents made during the detectio	n process."						

Pa **232** Li **2** 

C/ 33 SC Yseboodt, Lenna	<b>33.2.6</b> rt	P <b>232</b> Philips	L <b>12</b>	# 116	C/ <b>33</b> Yseboodt, L	SC 33.2.6	P <b>232</b> Philips	L <b>31</b>	# 130
Comment Type	т	Comment Status A		PSE classification	Comment T	pe TR	Comment Status A		PSE Classification
complicated - single & dua - Autoclass	compared al signatur	s classification. Classification to Type 2 classification: e	has become sig	gnificantly more	Class as	shown in Eq	se of the PD, the minimum po uation (33-3)." propriate place to explain the		•
	vs short fir ie + the sta	nger ate machine are sufficient to ( rview would help the reader.	(eventually) figu	re out how it works, but	the PSE	on the respon	se of a single-signature PD, th s shown in Equation (33-3). Fo lently."		
SuggestedReme	dy				Response		Response Status C		
See ysebood	lt_classific	ation_overview_0915.pdf			ACCEP	IN PRINCIP	LE.		
Response ACCEPT IN	PRINCIPI	Response Status <b>C</b> F			Change	to:			
	ence to put	table from yseboodt_classifi	cation_overview	v_0915_v120.pdf in	Class as	shown in Eq er. For Type	se of the PD, the minimum po uation (33-3). For single-sign 3/DS and Type 4/DS PDs, P (	ature PDs, P Cla	ass applies to the total
Add "See An	nex 33E fo	or an overview of Multiple Eve	ent Physical Lay	ver classification."					

after line 13, page 237.

Pa **232** Li **31** 

C/ 33 SC 33.2.5.6	6 P 232	L 44	# 9		C/ 33	SC	33.2.6	P 233	L 10	# 191
Darshan, Yair	Microsemi				Johnson, I	Peter		Sifos Technolo	gies	
Comment Type ER	Comment Status A		E	Editorial	Comment	Туре	т	Comment Status A		Editori
Addressing the text: ' We agree last meetir			-		(Pclas margir 4 - 7, j	s)" is n ned val ohrases	ot accurat ues" - th s such as	mn header "Minimum supporte te. Pclass is defined in equati nat is a more accurate depection "30W or Ptype as defined in T esented in Table 33-11, Ptype	on 33-3. Tex on of this colu able 33-11, w	t above refers to "over- mn. Also, for Classes hichever is lower" is
	nnex will be named Annex C an as reserved for PSE PI P2P unb			RE	Suggested	Reme	dy			
NORMATIVE so they	v canot be combined with Anne: ent for fixing the incorrect imple	x 33A.			NOTE Vport_	1 to "T pse an	his is the d maximu	r "Minimum PSE output power minimum required power at th um Rchan. Use equation 33-3 power available to PDs, see T	e PSE PI cale for other value	culated using minimum
SuggestedRemedy Change from (see 33	3.3.5.3 and Annex 33B)to (see 3	33.3.5.3 and Ar	nex 33C)				ic values a 0 Watts.	as is done for class 0-3, name	ly 30 Watts, 4	5 Watts, 60 Watts, 75
<b>0</b> (	<i>,</i> , , ,		,		Response			Response Status <b>C</b>		
incorrect implementa	SEP2P that addresses other co tion of darshan_06_0715.pdf in rg/3/bt/public/jul15/darshan_06	l					PRINCIPL			
Response	Response Status C		-		Leave	colum	n header a	as is, but reference note 1.		
ACCEPT IN PRINCIF Change from (see 33	PLE. 3.3.5.3 and Annex 33B) to (see	33.3.5.3 and A	nnex 33C)		minim	um Vpo	ort_pse ar	is is the minimum required po nd maximum Rchan. Use equa For maximum power available	tion 33-3 for a	other values of
EZ					Do no	t chang	e values i	in column.		
C/ 33 SC 33.2.6 Johnson, Peter	P 232 Sifos Technol	L <b>44</b> ogies	# 188							
	Comment Status <b>A</b> erning Autoclass seems off-topi rom the associated paragraph		ocation as it separ	Editorial rates						
SuggestedRemedy Either move the Auto 33-7.	class paragraph to after the Pc	lass equation o	or perhaps to after <sup>-</sup>	Table						
Response ACCEPT.	Response Status C									
Move paragraph to a	fter equation 33-3.									
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: Page, Line

Pa **233** Li **10** 

Cl 33 SC 33.2.6 Schindler, Fred	P 233 Seen Simply	L <b>22</b>	# 226	C/ 33 S Johnson, Pete	SC <b>33.2.6</b> r	P <b>234</b> Sifos Techi	L <b>35</b> nologies	# 192
Comment Type TR	Comment Status D		PSE Classification	Comment Type	e T	Comment Status A	-	PSE Classification
PSEs may indicate ending classification omit 3 events, which SuggestedRemedy	that they are not capable of provi n after 2 or 3 events. Table 33-7	indicates 2 or 3	a class-4 power by 8 events but Table 33-3,	Footnote 1 levels may 33.2.6.2 m event class	to Table 3 opt to use andates that sification wi 4 PSEs sha	3-8 says "A Type 3 PSE tha 1-event Physical Layer clas at a Type-3 or Type-4 PSE p th no mark events. Para. 3 Il issue no more class even	sification". Is this powering a Class ( 3.3.2.4.4 (under T	s 3 or lower power really an option? Para. 0 to 3 PD provides one- able 33-3) says Type-3
Proposed Response	Desperas Status 7			SuggestedRen	nedy			
REJECT.	Response Status Z				nay opt to" s reference	with "is required to". (Any 's d above.)	shall' here seems	redundant with other
This comment was	WITHDRAWN by the commenter	r.		Response ACCEPT I	N PRINCIP	Response Status <b>C</b> PLE.		
Class num events	in Table 33-3 is a maximum. Ta	ble 33-7 is not t	the maximum, it is the	OBE by 17	76.			
	in Table 33-3 is a maximum. Ta equired for that power.	ble 33-7 is not t	the maximum, it is the		76. SC <b>33.2.6</b>	P 234	L <b>40</b>	# 99
number of events re	equired for that power.			-	SC 33.2.6	P <b>234</b> Philips	L <b>40</b>	# 99
number of events re C/ 33 SC 33.2.6	equired for that power.	ble 33-7 is not t	the maximum, it is the # 131	C/ 33 S	SC 33.2.6 nart		L <b>40</b>	# 99
number of events re CI 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR	equired for that power. P 234 Philips Comment Status A			C/ 33 S Yseboodt, Len Comment Type Nitpick cor	SC <b>33.2.6</b> nart e <b>E</b> mment.	Philips		# 99
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 classi	equired for that power. P 234 Philips Comment Status A range	L 35	# 131 Pres: Types	C/ 33 S Yseboodt, Len Comment Type Nitpick cor	C 33.2.6 nart e E mment. rom 0 to 4",	Philips Comment Status A		# 99
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 classi	equired for that power. P 234 Philips <i>Comment Status</i> A range will provide class 3 or lower pow	L 35	# 131 Pres: Types	Cl 33 S Yseboodt, Len Comment Type Nitpick cor "Classes fi SuggestedRen	C 33.2.6 nart e E mment. rom 0 to 4", <i>nedy</i>	Philips Comment Status A	des 4.	# 99
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 class "A Type 3 PSE that	equired for that power. P 234 Philips <i>Comment Status</i> A range will provide class 3 or lower pow	L 35	# 131 Pres: Types	Cl 33 S Yseboodt, Len Comment Type Nitpick cor "Classes fi SuggestedRen	C 33.2.6 nart e E mment. rom 0 to 4", <i>nedy</i>	Philips Comment Status A one can debate if this inclu	des 4.	# <u>99</u>
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 classi "A Type 3 PSE that Physical Layer class SuggestedRemedy "A Type 3 or Type 4	equired for that power. P 234 Philips <i>Comment Status</i> A range will provide class 3 or lower pow sification." PSE that will provide class 3 or	L 35 er levels may o	# 131 Pres: Types	Cl 33 S Yseboodt, Len Comment Type Nitpick cor "Classes fi SuggestedRen Revert to "	C 33.2.6 nart e E mment. rom 0 to 4", <i>nedy</i>	Philips Comment Status A one can debate if this inclu and 4" or use "from 0 up to a	des 4.	# <u>99</u>
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 classi "A Type 3 PSE that Physical Layer class SuggestedRemedy	equired for that power. P 234 Philips <i>Comment Status</i> A range will provide class 3 or lower pow sification." PSE that will provide class 3 or	L 35 er levels may o	# 131 Pres: Types	Cl 33 S Yseboodt, Len Comment Type Nitpick cor "Classes fr SuggestedRen Revert to " Response ACCEPT.	C 33.2.6 nart e E nment. rom 0 to 4", <i>nedy</i> 0, 1, 2, 3, a	Philips Comment Status A one can debate if this inclu and 4" or use "from 0 up to a	des 4.	# 99
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 class "A Type 3 PSE that Physical Layer class SuggestedRemedy "A Type 3 or Type 4 event Physical Laye	equired for that power. P 234 Philips Comment Status A range will provide class 3 or lower pow sification." PSE that will provide class 3 or er classification." Response Status C	L 35 er levels may o	# 131 Pres: Types	Cl 33 S Yseboodt, Len Comment Type Nitpick cor "Classes fr SuggestedRen Revert to " Response ACCEPT.	C 33.2.6 nart e E nment. rom 0 to 4", <i>nedy</i> 0, 1, 2, 3, a	Philips Comment Status A one can debate if this inclu and 4" or use "from 0 up to a <i>Response Status</i> C	des 4.	# <u>99</u>
number of events re Cl 33 SC 33.2.6 Yseboodt, Lennart Comment Type TR Topic: Type 4 classe "A Type 3 PSE that Physical Layer class SuggestedRemedy "A Type 3 or Type 4 event Physical Laye Response	equired for that power. P 234 Philips Comment Status A range will provide class 3 or lower pow sification." PSE that will provide class 3 or er classification." Response Status C	L 35 er levels may o	# 131 Pres: Types	Cl 33 S Yseboodt, Len Comment Type Nitpick cor "Classes fi SuggestedRen Revert to " Response ACCEPT. Replace w	C 33.2.6 nart e E nment. rom 0 to 4", <i>nedy</i> 0, 1, 2, 3, a	Philips Comment Status A one can debate if this inclu and 4" or use "from 0 up to a <i>Response Status</i> C	des 4.	# <u>99</u>

Pa **234** Li **40** 

C/ 33 SC 33.2.6 Yseboodt, Lennart	P <b>235</b> Philips	L <b>5</b>	# 132	C/ <b>33</b> Yseboodt	SC 33.2.6 Lennart	P <b>235</b> Philips	L <b>8</b>	# 100
	Comment Status A re PD is detected, the PSE sh class code detected over that		PSE Classification ast the requested power		51	Comment Status A rement method and PSE marg	gin for Autoclass	Editoria s still need to be
Seems to force a PSI Also mis-uses the wo	E to delivered requested power rd 'detection'.	r, thereby brea	king power demotion.	Suggester This v	2	d, editors note can be remove	d.	
SuggestedRemedy "When connected to each pairset independ Response	a dual-signature PD, the PSE s dently." <i>Response Status</i> <b>C</b>	shall treat the r	equested power over	Response ACCE EZ		Response Status C		
ACCEPT.	Nesponse Status C			C/ <b>33</b> Yseboodt	SC <b>33.2.6</b>	P <b>236</b> Philips	L 15	# 57
C/ 33 SC 33.2.6 Johnson, Peter	P 235 Sifos Technol	L <b>5</b> ogies	# 193	Comment	Туре Е	Comment Status A 1, CLASS_EV2, and CLASS_	EV3, the PSE s	Editoria hall measure I Class
requested power over statement, as written,	Comment Status A a dual-signature PD is detected r a pairset per the class code o demands that full requested p ting it. Not sure about the terr	etected over the provid	nat pairset". This led to any dual-signature	This li Suggeste	ine seems to be	ased on the observed current a in a slightly larger font size. Irrounding text.	according to Tab	ble 33-9."
SuggestedRemedy Revise this to:				Response ACCE		Response Status C		
	SE detecting a dual-signature ng the power available on that			EZ				
Response ACCEPT IN PRINCIF	Response Status <b>C</b> PLE.							

OBE by 132

Pa **236** Li **15** 

Cl 33 SC 33.2.6.2	P 236	L <b>27</b>	# 194		33.2.6.2	P 236	L <b>52</b>	# 133
	Sifos Technolo Comment Status A CLASS_EV1_LCF, when con CLASS_EV1_LCF to MARK_	nected to singl		treats a sing	TR of the first of le-signature	Philips Comment Status A class event is any of Classes PD as a Type 1 PD and sha PD according to the result of	Il omit the sub	sequent mark and class
First, why not say "Typ	e 3 and Type 4 PSE's" ?			The PSE sh	ould visit MA	ARK_EV_LAST in this case.		
this transition if we wa Type 4.	-9g does not include this trans nt Type 3 and Type 4 PD's to ' ed to single signature PD's?	ition possibility "remember" th	: Figure 33-9g will need at the PSE is Type 3 or	treats a sing	of the first of le-signature rectly to MAR	class event is any of Classes PD as a Type 1 PD and sha RK_EV_LAST, and classify th	II skip all subs	equent class events,
CLASS_EV1_LCF to N	sification State Diagram, prob /ARK_EV_LAST in place of tr				1_LCF to MA	e 226 below Figure 33-9g "T( ARK_EV_LAST". <i>Response Status</i> <b>C</b>	ODO: add arro	w from
(This could be an edito	,				-			
Replace "PSEs that in	plement CLASS_EV1_LCF" v	vith "Type 3 an	d Type 4 PSEs".	Change text	as shown ir	n suggested remedy.		
May need an editor no classification are work	te to review this phrase once a ed out.	all the details fo	or Dual Signature	Figure chan	ge OBE by 1	194.		
Response ACCEPT IN PRINCIPI	Response Status <b>C</b> E.							
Change text to "Type 3 transition directly from	and Type 4 PSEs connected	to single-signa	ature PDs shall					
Adopt new Figure 33-	g with new transition from CL	ASS_EV1_LCF	to MARK_EV_LAST.					
Change to remove Typ (comment 129).	be 1 and Type 2 entrances will	also be includ	ed in new figure					

Pa **236** Li **52** 

CI 33 S	C 33.2.6.2	P <b>237</b>	L 10	# 195	C/ 33	SC 33.2.6.3	B P 237	L <b>48</b>	# 117
lohnson, Peter		Sifos Techno	logies		Yseboodt	, Lennart	Philips		
Comment Type	, T	Comment Status A		PSE Classification	Comment	Туре Т	Comment Status A		Editoria
class event	ts and transit	SE connected to a dual-sig ion directly to MARK_EV_L				al text: "" x 33B is still em	pty, what needs to go in there	?	
CLASS_EV	/3 is 0, 1, 2,	or 4."			Suggeste	dRemedy			
This transition option is not currently avalable in Figure 33-9g, the classification state diagram. Only exit from CLASS_EV3 requires PD Class =4.						ex 33B needs into lanation of the r	measurement method		
the only op this a probl	tion is to mo em if the PS	east 3 events to resolve Typ ve onto CLASS_EV4 after n E will not support Class 5 or	neasuring Class	3 on the 3rd event. Is	- Exp		PDs need to do for reliable m n of L1 and LLDP Autoclass alculation"	easurement	
just reject t	he power-up	?)			Response	9	Response Status C		
SuggestedRem	nedy				ACCE	EPT IN PRINCIP	PLE.		
Editor note	indicating th	is deficiency in the state dia	gram Fig 33-9g		Chan	ge 33B to 33C.			
Response ACCEPT IN	N PRINCIPL	Response Status <b>C</b> E.			Creat	e/Add to Appen	dix 33C:		
Add Editor'	s note under	Fig 33-9g: "Diagram needs	s to be updated	to reflect new exits from	- Exp - Gui - Exp	deline for what I	measurement method PDs need to do for reliable me n of L1 and LLDP Autoclass	easurement	
rseboodt, Lenr		Philips	- 40		- 011	ipined margin c	actuation		
Comment Type		Comment Status A		Editorial	EZ				
		Es may choose to implement	nt an extension .		C/ <b>33</b> Picard, Je	SC 33.2.6.2	2 P 238 Texas Instru	L 41	# 240
SuggestedRem					,			linents	
"Type 3 and	d Type 4 PS	Es may implement an exten	sion"		Comment		Comment Status A	with the DD prop	
Response ACCEPT.		Response Status C			and T	LCF_PD.	needs to readjusted to align v	with the PD prop	osed changes on TACS
					Suggeste	-			
EZ					Chan	ge the TLCF rar	nge from 85-100 ms to 88-105	5 ms.	
					Response ACCE		Response Status C		
					See c	comments 53, 52	2, 54, 238, 239		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>238</b>	Page 25 of 74
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>41</b>	9/18/2015 11:48:16 AM
SORT ORDER: Page, Line		

C/ 33 SC 33.2.6.3 Beia, Christian	P 238 STMicroelect	L <b>42</b> ronics	# 53	Cl 33 SC 33.2.6 Yseboodt, Lennart	.3 <i>P</i> 239 Philips	L 19	# 135
impact on PSE comple helpful for the PD timin requirement for the PD SuggestedRemedy	Comment Status A ent timing for the PSE can be xity, since the accuracy of P gs which can be relaxed, sin em 12 TLCF to 87.5 Min	SE clock alread	y allows it. This is	SuggestedRemedy See changes in yse Response ACCEPT IN PRINC	Response Status <b>C</b>		
Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.			C/ 33 SC 33.2.7 Schindler, Fred	Seen Simply	L <b>25</b>	# 227
Obe by 240. Cl 33 SC 33.2.6.3 Yseboodt, Lennart Comment Type TR Autoclass Table 33-10a	P 239 Philips <i>Comment Status</i> A a is missing values for T_aut	L <b>1</b> o_pse1(max) ar	# 134 PSE Classification nd T_auto_pse2(min).	Figure 33-10. When the PSE prov that states a requir	Comment Status A prms to the state diagrams in Fig ides power to the PI, it shall con ement has been stricken from the	form with Table	
SuggestedRemedy Add to Table 33-10a: T_auto_pse1 max = 1.4 T_auto_pse2 min = 3.1 Response				diagrams. "PSE behavior conf	n the following TBD or replace wi orms to the state diagrams in Fig -10. When the PSE provides por	gure 33-9,Figure	33-9 continued, Figure
ACCEPT IN PRINCIPL				Response	Response Status <b>C</b>		
Use: T_auto_pse1 min = 1.4 T_auto_pse1 max = 1.0	i -			ACCEPT IN PRINC Bring back:	-		
$T_auto_pse2 min = 3.1$ $T_auto_pse2 max = 3.3$				"When the PSE pro	vides power to the PI, it shall cor	nform with Table	9 33-11."

Pa **239** Li **25** 

C/ 33 SC 33.2.7 P 240 L 21 # 22 Darshan, Yair Microsemi	C/ 33         SC 33.2.7         P 240         L 34         # 207           Dwelley, David         Linear Technology
Comment Type       T       Comment Status       A       PSE Power         Table 33-11 item 1a, Vport_PSE_diff (PSE Vdiff).       Background:       We have shown that PSE Vdiff max for a single port is 0.2mV maximum calculated at worst case and the spec were set to 2mV.       After additional research on multi-port systems we have found that the PSE Vdiff may reach to 6-8mV due to cross regulation effect of ports using shared power leads.       Two solutions were analyzed:       a) To specify PSE Vdiff=2mV as is today for a single port and let system designer to figure out how to make sure that in multiport operation the spec will still be met.       This solution was rejected by few system vendors.       b) To specify PSE Vdiff=10mV while keeping system Vdiff=60mV as it was before which move some burden on PD to use 50mV maximum when diodes are used in the PD, instead of 58mV as it is today.         This solution looks better.       -It will keep the same maximum pair current.	Comment Type       T       Comment Status       A       Editorial         Parameter isn't completely clear for the 2-pair case:       "Continuous output current capability in POWER_ON state over both pairsets"       SuggestedRemedy         Change to:       "Continuous output current capability in POWER_ON state over all powered pairsets"         Response       Response Status       C         ACCEPT IN PRINCIPLE.       OBE by comment 46.       EZ         Cl 33       SC 33.2.7       P 240       L 34       #
<ul> <li>It will not affect PSE MPS solutions.</li> <li>It will add tolerable burden on PD by making sure that diode Vdiff is 50mV max and not 58mV.</li> <li>The total system E2EP2P_lunb stays the same</li> <li>SuggestedRemedy <ol> <li>To change Table 33-11 item 1a from 2mV to 10mV.</li> <li>To update all relevant PSE PI and PD PI numbers that will be affected by this change.</li> </ol> </li> <li>Response Response Status C <ol> <li>ACCEPT IN PRINCIPLE.</li> <li>To change Table 33-11 item 1a from 2mV to 10mV.</li> </ol> </li> <li>All other unbalance numbers will be reviewed in future.</li> </ul>	Bennett, Ken       Sifos Technologies, In         Comment Type       E       Comment Status       A       Editorial         Table 33-11 item 4, parameter column, states: "Continuous output current capability in POWER_ON state over both pairsets". In the info section, 33.2.7.4, it is referenced as the "total" current and has the information about the pairsets.       The parameter description would be clearer and simpler if it was referred to as the "Continuous total current" instead of using "over both pairsets".         SuggestedRemedy       Change to:       "Continuous total output current capability in POWER_ON state."         Response       Response Status       C         ACCEPT.       ACCEPT.       C

Pa **240** Li **34** 

C/ <b>33</b> SC <b>33.2.7</b> Yseboodt, Lennart	P <b>240</b> Philips	L <b>35</b>	# 94	<i>Cl</i> <b>33</b> Dwelley, Davi	SC <b>33.2.7</b> d	Р <b>240</b> Linear Techn	L 38 lology	# 210
Comment Type ER Bulk comment.	Comment Status A		Editorial	Comment Typ Table 33-	oe <b>T</b> 11, item 4a	Comment Status A		Editorial
Table 33-11. 1,2,3,4 as PSE Type is SuggestedRemedy change 1,2,3,4 to All ir - page 240, item 4 - page 241, item 5 - page 242, item 13 - page 243, item 20, 22 Response ACCEPT IN PRINCIPI change 1,2,3,4 to All ir - page 240, item 4 - page 241, item 5 - page 242, item 13 - page 243, item 22, 22	2, 23, 24 Response Status <b>C</b> .E.			"Pairset c 33.2.7.4a unbalanc SuggestedRe Replace Correct A Response ACCEPT	(now 33.2.7. e to make thi medy with "Pairset of dditional Info SC <b>33.2.7</b>	E2ÉRunb within E2ERunb ra	d) contains enou or class X" (four 3.2.7.4.1. <i>L</i> <b>39</b>	igh information about
C/ 33 SC 33.2.7 Yseboodt, Lennart	P <b>240</b> Philips	L 38	# 108			shows "E2ERunb" which doe ested remedy makes them the		EP2PRunb" used
Comment Type ER Item 4a Parameter is "	Comment Status A Pairset current due to E2ERu	nb within E2EF	<i>Editorial</i> Runb range for class x".	,		at it's defined, the symbol "E2	2EP2PRunb" cc	uld be simplified.)
Not intuitive. SuggestedRemedy Change Parameter for "Pairset current capab	Item 4a to: lity in POWER_ON state, Cla	ss x"				ı 4a, table 33-11, from: PRunb"		
Response ACCEPT IN PRINCIPI	Response Status C			Response ACCEPT	IN PRINCIPI	Response Status <b>C</b> LE.		
OBE by comment 210				OBE by c	omment 210			

Pa **240** Li **39** 

C/ 33 SC 33.2.7 Darshan, Yair	P <b>240</b> Microsemi	L <b>39</b>	# 13	Cl 33 SC 33. Dwelley, David	.2.7	P <b>240</b> Linear Techno	L <b>44</b>	# 206
Comment Type <b>T</b> 1.To update TBDs fo 2. To update class 8 71.3W to 71W.	Comment Status A or Icont-2P_unb min in Table 33- value from 0.931A to 0.926A du 2 of darshan_04_0915.pdf.			Comment Type E Table 33-11, iter change made in made sense whe SuggestedRemedy	the D1.1 en there v	Comment Status <b>D</b> Icon-2p-unb label makes comment cycle that chang vas a standalone Icon-2p p	less sense than ged Icon-2p to Ic parameter but no	con. The -unb suffix ot now.
	D with 0.778A	minimum valu	e column:	and 276, and two	o more wi existing I	on-2p throughout: I count ( th _unb on pages 198 and con-2p to Icon on p245 lin Response Status <b>Z</b>	i 245.	•
Response ACCEPT.	Response Status C			REJECT.		DRAWN by the commenter	er.	
C/ 33 SC 33.2.7 Darshan, Yair	P <b>240</b> Microsemi	L <b>42</b>	# 3	OBE by commer	nt 4.			
1. It is 33.2.7.4.1 and	ormation do not cover all the info	ormation needs	PSE Power					
SuggestedRemedy								
	additional information. 4a with: See 33.2.7.4 and 33.2.	7.4.1						
Response	Response Status C							

ACCEPT.

Pa **240** Li **44** 

Table 33-11, Item 7, Icut-2P.Icut-2p is the range in which the PSE may optionally cut power. The lowerbound was defined by Icon in 802.3-2012. The correct lowerbound now would be Icon-2P-unb. The calculation in D1.2 also results in Icon-2P-unb values.Table 33-11 item 7. We need to update Kicut3 and Kicut4 to include the constants for class 5 and 7 oth they will create errors resulted with Icont-2P_unb doesnt equal to Icut_min. See details in Darshan_07_0915.pdf for updating Table 33-11 item 7. We need to update Kicut3 and Kicut4 to include the constants for class 5 and 7 oth they will create errors resulted with Icont-2P_unb doesnt equal to Icut_min. See details in Darshan_07_0915.pdf for updating Table 33-11 item 7. We need to update Kicut3 and Kicut4 to include the constants for class 5 and 7 oth they will create errors resulted with Icont-2P_unb doesnt equal to Icut_min. See details in Darshan_07_0915.pdf for updating Table 33-11 item 7. Kesponse Response Status C Accept changes for item 7, Table 33-11 shown in Darshan_07_0915.Rev004.pdf or 1.SuggestedRemedy Replace the 'min' value of Icut-2P for Type 3 and Type 4 by 'Icon-2P-unb'. Add editors note below Table 33-11 'Icut-2P min should be equal to the relevant section of the Iowerbound template which is currently TBD."C/ 33 SC 33.2.7 P 241 L 34 # 14 Darshan, Yair MicrosemiNote: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode)To update TBDs for ILIM-2P minimum value column: Class 5: Replace TBD in ILIM-2P minimum value column: Class 5: R	33         SC 33.2.7         P 241         L 17         # 152           eboodt, Lennart         Philips		ମ <b>33</b> Darshan, Yai	SC <b>33.2.7</b> r	P 24 Micros	=	L <b>20</b>	#	18
Icon-2P-uno values.       See details in Darshan_07_0915.pdf for updating Table 33-11 item 7.         Issues:       - Rather than a calculation, we can refer to lcon-2P-unb         - In its current form it is defined per Type, which results in lcut-2P being smaller than lcon-2P-unb for Class 5 and 7       - It is too high in 2P mode         SuggestedRemedy       C         Replace the 'min' value of lcut-2p for Type 3 and Type 4 by 'lcon-2P-unb'.       Accept changes for item 7, Table 33-11 shown in Darshan_07_0915_Rev004.pdf oildet and the relevant section of the lowerbound template which is currently TBD."         Note: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode)       Cl 33       SC 33.2.7       P 241       L 34       #       14         Proposed Response       Response Status       C         REJECT.       This comment was WITHDRAWN by the commenter.       SuggestedRemedy       Null-2P min with 0.551A       Class 5: Replace TBD in ILIM-2P min with 0.551A       Class 7: Replace TBD in ILIM-2P min with 0.829A	Table 33-11, Item 7, Icut-2P. Icut-2p is the range in which the PSE may optionally cut power. The lowerbound v defined by Icon in 802.3-2012.	was	Table 33 We need they will See deta	-11 item 7. I to update Kid create errors ails in Darshar	cut3 and Kicut4 to inclu resulted with Icont-2P_	de the co			Pres: Yair7 7 otherwise
<ul> <li>Rather than a calculation, we can refer to lcon-2P-unb</li> <li>In its current form it is defined per Type, which results in lcut-2P being smaller than lcon- 2P-unb for Class 5 and 7</li> <li>It is too high in 2P mode</li> </ul> SuggestedRemedy Replace the 'min' value of lcut-2p for Type 3 and Type 4 by 'lcon-2P-unb'. Add editors note below Table 33-11 "lcut-2P min should be equal to the relevant section of the lowerbound template which is currently TBD. " Note: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode) Proposed Response Response Status Z REJECT. This parameter should be fixed, but the min values you suggest are not correct. For This parameter should be fixed, but the min values you suggest are not correct. For Response Response Status C ACCEPT. Accept changes for item 7, Table 33-11 shown in Darshan_07_0915_Rev004.pdf or 1. Cl 33 SC 33.2.7 P 241 L 34 # 14 Darshan, Yair Microsemi Comment Type T Comment Status A Proposed Response Response Status Z REJECT. This parameter should be fixed, but the min values you suggest are not correct. For Response Response Status C	Icon-2P-unb values.	31	00		1_07_0915.pdf for upda	iting Tabl	e 33-11 item 7	<b>′</b> .	
- It is too high in 2P mode SuggestedRemedy Replace the 'min' value of lcut-2p for Type 3 and Type 4 by 'lcon-2P-unb'. Add editors note below Table 33-11 "lcut-2P min should be equal to the relevant section of the lowerbound template which is currently TBD. " Note: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode) Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter. This parameter should be fixed, but the min values you suggest are not correct. For	<ul> <li>Rather than a calculation, we can refer to Icon-2P-unb</li> <li>In its current form it is defined per Type, which results in Icut-2P being smaller the statement of the statemen</li></ul>			г.	Response Status	С			
SuggestedRemedy         Replace the 'min' value of Icut-2p for Type 3 and Type 4 by 'Icon-2P-unb'.         Add editors note below Table 33-11 "Icut-2P min should be equal to the relevant section of the lowerbound template which is currently TBD."         Note: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode)         Proposed Response       Response Status         REJECT.         This comment was WITHDRAWN by the commenter.         This parameter should be fixed, but the min values you suggest are not correct. For			•	hanges for ite	m 7, Table 33-11 show	n in Dars	han_07_0915	_Rev004	.pdf on page
Add editors note below Table 33-11 "Icut-2P min should be equal to the relevant section of the lowerbound template which is currently TBD."       Darshan, Yair       Microsemi         Note: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode)       T       Comment Type       T       Comment Status       A       P.         Proposed Response       Response Status       Z       SuggestedRemedy       1. To update TBD in ILIM-2P min with 0.551A       P.         This comment was WITHDRAWN by the commenter.       This parameter should be fixed, but the min values you suggest are not correct. For       Suggested Remedy       Class 7: Replace TBD in ILIM-2P min with 0.829A       Response Status       C	zgestedRemedy	_	1.						
Note: somewhat less brokener, needs further work (does not work for dual-signature, have not fixed 2P mode)       1. To update TBDs for ILIM-2P min in Table 33-11 item 9 classes 5 and 7. See derivation in darshan_06_0915.pdf.         Proposed Response       Response Status       Z         REJECT.       SuggestedRemedy         This comment was WITHDRAWN by the commenter.       Class 5: Replace TBD in ILIM-2P min with 0.551A         This parameter should be fixed, but the min values you suggest are not correct. For       Response       Response Status       C	Add editors note below Table 33-11 "Icut-2P min should be equal to the relevant s	section of Da	arshan, Yai	ir	Micros	emi	L <b>34</b>	#	14 Pres: Yair6
REJECT.       Table 33-11 item 9, ILIM-2P minimum value column: Class 5: Replace TBD in ILIM-2P min with 0.551A Class 7: Replace TBD in ILIM-2P min with 0.829A         This parameter should be fixed, but the min values you suggest are not correct. For       Response Response Status C			1. To upo	, date TBDs for	ILIM-2P min in Table 3	-	n 9 classes 5 a	and 7.	1100. 1010
This comment was WITHDRAWN by the commenter.       Class 5: Replace TBD in ILIM-2P min with 0.551A         This parameter should be fixed, but the min values you suggest are not correct. For       Response       Response Status	posed Response Response Status Z	S	SuggestedRe	emedy					
This parameter should be fixed, but the min values you suggest are not correct. For			Class 5:	Replace TBD	in ILIM-2P min with 0.5	551A			
5,	This parameter should be fixed, but the min values you suggest are not correct. I example, if the PSE uses active current balancing, it could use the lower values.	For R	'	г.	Response Status	С			
Task Force to Discuss	Task Force to Discuss								

Pa **241** Li **34** 

Cl <b>33</b> SC <b>33.2.7</b> Darshan, Yair	P <b>241</b> Microsemi	L 38	# 17	C/ <b>33</b> Picard, Jea	SC <b>33.2.7</b> n	P <b>241</b> Texas Instr	L <b>43</b> ruments	# 241
Comment Type <b>T</b> To update ILIM-2P min in It reduces currents by abo decision. Reason for update: In order to reduce currents force Icut_max/Icon-2P_ur See derivation in darshan_	ut 15% due margins reduc s, we utilized the fact that P nb= about 1.15 as in 802.3	tion that can be peak_PD is lo	Ŭ	Suggestedl	too much mar Remedy e⊨ILIM-2P class Response	Comment Status D gin for ILIM-2P 8 to a value slightly below Response Status Z	1A	PSE Power
SuggestedRemedy Table 33-11 item 9, ILIM-2 Class 6: Change from 0.87 Class 8: Change from 1.16	17A to 0.691A.					THDRAWN by the comme hind this? Yair do you agre		
Ŭ	Response Status <b>C</b>			<i>CI</i> <b>33</b> Yseboodt, I	SC 33.2.7 _ennart	P <b>242</b> Philips	L <b>32</b>	# 109
C/ 33 SC 33.2.7 Picard, Jean	P <b>241</b> Texas Instrume	L 38 ents	# 242		3-11, Item 17,	Comment Status A Ihold on: "Applies to highest curr	ent pair."	Editorial
Comment Type <b>TR</b> there is too much margin f	Comment Status D		PSE Power	Suggestedl Replac		oplies to pair with the highe	st current."	
Table 33-11				Response ACCEF	РТ.	Response Status C		
SuggestedRemedy Reduce ILIM-2P class 6 to	a value slightly below 0.7/	4		EZ				
Proposed Response F REJECT.	Response Status Z			<i>CI</i> <b>33</b> Yseboodt, I	SC 33.2.7 _ennart	P <b>242</b> Philips	L <b>32</b>	# 110
This comment was WITHE	DRAWN by the commenter			Comment 7		Comment Status A		Editorial
What is the reason behind	I this? Yair do you agree?			Parame		, Ihold IC MPS current when total to a single-signature PD	sum of both pairs	with the same polarity is
				'total' a	dds no value to	this lengthy description.		
						current when sum of both p signature PD"	pairs with the same	e polarity is measured,
				Response ACCEF	ΥТ.	Response Status C		
				EZ				
TYPE: TR/technical required I COMMENT STATUS: D/dispat SORT ORDER: Page, Line					Z/withdrawn	Pa Li	242 32	Page 31 of 74 9/18/2015 11:48:1

CI 33 SC 33.2.7 P 243 L 28 # 111	CI 33 SC 33.2.7 P 243 L 45 # 10
Yseboodt, Lennart Philips	Darshan, Yair Microsemi
Comment Type ER Comment Status A Editorial	Comment Type ER Comment Status A
Note 3 to Table 33-11 says: "3 Item 17b applies to PSEs that implement MPS detection by measuring sum of the pairset currents of the same polarity."	The following text contains error: "1. Icont-2P and Ipeak-2P need to be addressed for Extended power" It is Icont-2P_unb and not Icont-2P.
'pairsets of the same polarity' does not make sense. This should be 'pairs'.	SuggestedRemedy
SuggestedRemedy	Change to:
Replace by "3 Item 17b applies to PSEs that implement MPS detection by measuring the	"1. Icont-2P_unb and Ipeak-2P need to be addressed for Extended power"
sum of the pair currents of the same polarity."	Response Response Status C
Response Response Status C	ACCEPT IN PRINCIPLE.
ACCEPT.	
EZ	This is only an editor's note, but
EZ	Change to:
CI 33 SC 33.2.7 P 243 L 45 # 5	"1. Icon-2P_unb and Ipeak-2P need to be addressed for Extended power"
Darshan, Yair Microsemi	EZ
Comment Type E Comment Status A Pres: Yair4	
Editor Notes on Page 243 lines 44-47 and page 244 lines 1-21 to change per page 5 of darshan_04_0915.pdf due to addressing the issues in D1.1 and D1.2.	C/ 33         SC 33.2.7         P 243         L 45         # 204           Dwelley, David         Linear Technology
SuggestedRemedy	Comment Type E Comment Status A Editoria
Editor Notes on Page 243 lines 44-47 and page 244 lines 1-21 to change per page 5 per darshan_04_0915.pdf.	"Icont" appears several places in the draft in Editor's notes and in 33A-9. It appears to be a typo - 33-11 defines the parameter as "Icon".
Response Response Status C	SuggestedRemedy
ACCEPT IN PRINCIPLE.	Replace "Icont" with "Icon" throughout: I count 8 instances, on pages 243, 244, and 334.
OBE by comment 42	Response Response Status C ACCEPT.
	EZ

Pa **243** Li **45** 

Cl 33 SC 33.2.7 Darshan, Yair	P <b>243</b> Microsemi	L <b>45</b>	# 42	C/ <b>33</b> Yseboodt, L	SC 33.2.7.4 ennart	P <b>245</b> Philips	L 18	# 153		
Comment Type ER There are list of edit made in D1.1 and th See the proposed up 5. SuggestedRemedy In case updates prop	Comment Status A or notes on page 243-244 that is e possible acceptance of commo odates for Editor Notes in page posed by darshan_04_0915.pdf ge 243-244 per darshan_04_09 <i>Response Status</i> C	nents in D1.2. 243-244 in dars pages 1-4 will	han_04_0915.pdf page	Comment T "PSEs connect 4a." Problen - Does - I Con SuggestedF "PSEs o Table 3	ype <b>TR</b> shall meet I Con ed to a single-s ns: not address dua 2P no longer ex cemedy connected to a s 3-11.	Comment Status A as specified in Table 33-11. ignature PD shall meet I Cor al signature	n-2P as specifie	d in Table 33-11 item n-2P_unb as specified in		
darshan_04_0915.p Cl 33 SC 33.2.7. Dove, Daniel Comment Type TR If we are going to all interoperability probl set, and also how to problems.		<i>L</i> <b>43</b> king Solut e stability issues uddenly remove	s power from one pair-	Table 3 (Note: ti (Note: v current <i>Response</i> ACCEP "PSEs o Table 3	3-11." his works, becar le need to spec (what used to b T IN PRINCIPL connected to a s 3-11. connected to a d	use Pclass is defined to be in ify that Icon, in the context of e Icon-2P), see other comme Response Status <b>C</b>	ndependent for f dual-signature ent). et Icon and Icor	dual-signature PDs.) , refers to the pairset n-2P_unb as specified in		
	ext on lines 43 and 44.			C/ <b>33</b> Darshan, Ya	SC <b>33.2.7.4</b>	P <b>245</b> Microsemi	L 19	# 2		
Proposed Response       Response Status       Z         REJECT.       This comment was WITHDRAWN by the commenter.         Do you know of any stability or interoperability problems that may occur.					Comment Type E Comment Status A Ico "single-signature PD shall meet ICon-2P as specified in Table 33-11 item 4a." Typo: It is Icont-2P_unb and not Icont-2P					
There are many sys	tems that already do this…			Response	to: ignature PD sha T IN PRINCIPL	all meet ICon-2P-UNB as spe <i>Response Status</i> <b>C</b> E.	ecified in Table	33-11 item 4a.		

TYPE: TR/technical required ER/editorial required GR/general	Pa <b>245</b>	Page 33 of 74	
COMMENT STATUS: D/dispatched A/accepted R/rejected F	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 19	9/18/2015 11:48:17 AM
SORT ORDER: Page, Line			

C/ 33 SC 33.2.7.4 Dwelley, David	P 245 L Linear Technology	.19 #	200	C/ 33 Yseboodt	SC 33.2.7.4 , Lennart	P <b>245</b> Philips	L <b>21</b>	# 154
Hierarchy of "shalls" is not as clear "PSEs shall meet ICon as specified connected to a single signature PD 4a." SuggestedRemedy	d in Table 33–11. Type 3			"I Cor-2 Con-2 of sar Only :	n is the total curre P_unb is the max ne polarity under applies to single-s	Comment Status <b>A</b> nt of both pairs with the sar kimum current the PSE is r E2EP2PRunb condition in ignature. by defined terminology.	equired to suppo	ort over one of the pairs
Add an "also": "PSEs shall meet ICon as specified connected to a single signature PD item 4a." Response ACCEPT IN PRINCIPLE. OBE by 153				Suggeste "Whe same requir unbal Wher	dRemedy n connected to sir polarity that a PS ed to support ove ance conditions, a	ngle-signature PDs, I Con i E has to support. I Con-2F r one of the pairs of same as specified in 33.2.7.4.1, i ual-signature PD, I Con-TE	P_unb is the maxi polarity under ma n the POWER_C	imum current the PSE is aximum current DN state.
				Note:	by removing -2P, for dual-signature	things fit better for single-s e. <i>Response Status</i> <b>C</b>	signature, but nov	w we have to shoehorn
				same requir	polarity that a PS ed to support ove	ngle-signature PDs, I Con i E has to support. I Con-2F r any pair of the same pola I in 33.2.7.4.1, in the POW	2_unb is the minin writy under maxim	mum current the PSE is

When connected to a dual-signature PD, I Con-TBD is the minimum current of a pairset that a PSE has to support."

Pa **245** Li **21** 

CI 33         SC 33.2.7.4         P 245           Bennett, Ken         Sifos Technologies	L 22 # 49	C/ 33         SC 33.2.7.4         P 245         L 23         #         4           Darshan, Yair         Microsemi
Comment Type <b>T</b> Comment Status <b>A</b> The statement: "ICon-2P_unb is the maximum current the PSE is require should say:	Icon	Comment Type       E       Comment Status       A       Ico         "In addition to ICon-2P and ICon-2P-UNB as specified in Table 33–11, the"       Typo: It is Icont and not Icont-2P
"ICon-2P_unb is the minimum current the PSE is required SuggestedRemedy Change the word "maximum" to "minimum". Response Response Status C ACCEPT IN PRINCIPLE. OBE by 154		SuggestedRemedy Change from: "In addition to ICon-2P and ICon-2P-UNB as specified in Table 33–11, the" To: "In addition to ICon and ICon-2P-UNB as specified in Table 33–11, the" Response Response Status C
C/ 33     SC 33.2.7.4     P 245       Dwelley, David     Linear Technology       Comment Type     E     Comment Status	L 22 # 198	ACCEPT IN PRINCIPLE. OBE by 154
The E2EP2PRunb section of this sentence is awkward, a is defined: "ICon-2P_unb is the maximum current the PSE is require of same polarity under E2EP2PRunb condition in the PO SuggestedRemedy Replace with:	ed to support over one of the pairs	
"ICon-2P_unb is the maximum current the PSE is require POWER_ON state when unbalance effects are included. Response Response Status C ACCEPT IN PRINCIPLE.		
OBE by 154		

Pa **245** Li **23** 

C/ 33 SC 33.2.		L <b>40</b>	# 155	C/ 33	SC 33.2.7.4		L <b>49</b>	# 33	
Yseboodt, Lennart	Philips			Darshan, Y	air	Microsemi			
Comment Type TR	Comment Status A		Editorial	Comment	Type <b>TR</b>	Comment Status A		Pres: Yair 4	
"K is the ratio between I Peak-2P due to system end to end pair-to-pair current unbalance effect" "K=0 for two pair systems (Type 1 and Type 2 systems). The value of K which is based on curve fit and is dimensionless, for a Type 3 and Type 4 system that operates as 4-pair system is given by Equation (33-4a)."				Equation 33-4a (the equation that describes K) need to be updated per class 5 and 7 and not just class 6 and 8 as it is now. It is in line with all updates made for PSE/PD P2P_Runb for better accuracy due to the fact that unbalance parameters are changed as function of current.					
				SuggestedRemedy					
Main issue: K=0 al	so for dual-signature PDs.			Implement the changes proposed in page 4 of darshan_04_09.pdf					
SuggestedRemedy				Response		Response Status C			
Reword & fix:				ACCEI	PT.				
	Replace "K=0 for two pair systems (Type 1 and Type 2 systems). The value of K which is based on curve fit and is dimensionless, for a Type 3 and Type 4 system that operates as 4-pair system is given by Equation (33-4a)." By				Note: We changed K to Kipeak in another comment.				
					SC 33.2.7.4	l.1 <i>P</i> 246	L 6	# 199	
, , ,					avid	Linear Techn	ology		
"The value of K is based on a curve fit and is dimensionless. For Type 3 and Type 4 PSEs, operating in 4-pair mode and connected to single-signature PDs, the value of K is given by				Comment Type E Comment Status D Icon					
Equation 33-4a. In all other cases the value of K is 0."				The PSE_P2PRunb and E2EP2PRunb acronyms are unnecessarily complicated. The					
Response					descriptions and analysis in 33.2.7.4.1 make the nature of the unbalance clear - the acronym doesn't need to carry all the details.				
ACCEPT IN PRINCIPLE.				Suggested	Remedy				
Yair to give presen	tation in Oct.			00		and E2Eunb throughout this	section and in s	ection 33A.6.	
Replace text with:				Proposed I REJEC		Response Status Z			
PSEs, operating in	ak is based on a curve fit and is 4-pair mode and connected to s Equation 33-4a. For all other ca	single-signature	PDs, the value of			/ITHDRAWN by the commented	er.		

Change K to Kipeak in equation 33-4a.

Pa **246** Li **6** 

	.1 <i>P</i> 246	L 10	# 209	CI <b>33</b>	SC 33.2.7.4.1	-	L 11	# 156
Dwelley, David	Linear Techno	ology		Yseboodt, L	ennart	Philips		
Comment Type T	Comment Status A		Icon	Comment T	ype TR	Comment Status A		lco
"The PSE_P2PRunb of	ence and some awkward langu determined by RPair_max and em - i.e. channel (cables and c	RPair_min ens		"I con-2 I con-2F	P-unb maximun 9 specified in Ta	n is the average pair curren ble 33-11."	t due to E2EP2PI	Runb that is higher than
pair current due to E2	EP2PRunb, is not exceeding lo	con-2P-unb as o	defined in Table 33–11	There is	no I con-2P-ur	b maximum. Icon-2P no lor	nger exists.	
	ng conditions. Icon-2P-unb ma is higher than Icon-2P specifie			SuggestedF	Remedy			
SuggestedRemedy					P-unb is the pai f of Icon."	rset current in the case of n	naximum unbalar	nce and will be higher
Fix first sentence: "The PSE_P2PRunb   system (cables, conne	air current to exceed	Response ACCEP	T IN PRINCIPL	Response Status <b>C</b> E.				
Icon-2P-unb (as define Strike the second sen	ed in Table 33–11) during norn tence.	nal operating co	nditions."	"I con-2 than Ico		rset current in the case of n	naximum unbalar	nce and will be higher
Response	Response Status C			C/ 33	SC 33.2.7.4.1	P 246	L 14	# 113
ACCEPT IN PRINCIP	LE.			Yseboodt, L		Philips		
OBE by 156.		Comment Type ER Comment Status A Ico "I con-2P-unb maximum is specified for total channel common mode pair resistance from						
		L 11	# 112			n is specified for total chanr	iel common mode	e pair resistance from
		211		0.1 to 12				
seboodt, Lennart	Philips	211			no I con-2P-ur	b maximum. Possible to us	e Rch rather thar	n constant.
seboodt, Lennart	Philips Comment Status A		lcon	There is SuggestedF	Remedy			
seboodt, Lennart <i>Comment Type</i> <b>ER</b> " the maximum pair	Philips	is not exceeding	lcon	There is SuggestedF	Remedy	b maximum. Possible to us ed for total channel commo		
Seboodt, Lennart Comment Type ER " the maximum pair defined in Table 33-11	Philips Comment Status A current due to E2EP2PRunb, i	is not exceeding	lcon	There is SuggestedF "I con-2 Response	Remedy P-unb is specifi			
Seboodt, Lennart Comment Type ER " the maximum pair defined in Table 33-1 SuggestedRemedy " the maximum pair	Philips Comment Status A current due to E2EP2PRunb, i	is not exceeding litions." does not exceed	<i>Icon</i> g I con-2P-unb as	There is SuggestedF "I con-2	Remedy P-unb is specifi	ed for total channel commo		
Seboodt, Lennart Comment Type ER " the maximum pair defined in Table 33-1 SuggestedRemedy " the maximum pair	Philips Comment Status A current due to E2EP2PRunb, i 1 during normal operating cond	is not exceeding litions." does not exceed	<i>Icon</i> g I con-2P-unb as	There is SuggestedF "I con-2 Response	Remedy P-unb is specifi	ed for total channel commo		

Pa **246** Li **14** 

<i>Cl</i> <b>33</b> Darshan, Ya		33.2.7.4.1	P 24 Micros	-	L 15	# 32		C/ <b>33</b> Darshan, Y		33.2.7.4.2		P <b>246</b> Microsemi	<i>L</i> 41	# 40
	lated c		Comment Status D_002_PSEP2P.				Editorial	Comment "See A		<b>TR</b> 3A"	Comment	Status A		Editoria
Annex 3 The rele original REFER docume Therfore	33A." levant lly nan RENCE ents fr re:	material in ned Annex E AS YD_0 om July 20	non mode pair resis Annex 33A (from 33 33B. see seperate c 02_PSEP2P) that wa 15) ot to be used.	A.6 to 3 ommen	33A.10) is NORM t on Annex 33B	/ATIVE and it ((MARKED F0	was OR	origina REFEI docum Therfo Aafter	lly nam RENCE ents fro re: implem	ed Annex 3 AS YD_00 om July 20 nenting YD_	33B. see ser 02_PSEP2P 15)	perate commer ) that was not i	nt on Annex 33B	MATIVE and it was 8 ((MARKED FOR ctly per the approved 9 Annex 33B.
			m Annex 33A to Ani	nex 33B	8.			Suggested		ły				
SuggestedF		dy						replace See Ai		3A.				
replace For cha 33A."		with comm	on mode pair resista	ance lov	wer than 0.1, s	ee guidelines	in Annex	With: See Ai	nnex 33	3B.				
With: For cha	annels	with comm	ion mode pair resista	ance lov	wer than 0.1, s	ee Annex 33B	3."	Response ACCE	PT.		Response	Status C		
Response			Response Status	с				EZ						
ACCEP	PT.							C/ 33	SC	33.2.7.5		P 246	L <b>49</b>	# 157
CI 33	SC	33.2.7.4.1	P 24	6	L <b>21</b>	# 16		Yseboodt,				Philips	L <b>4</b> 5	# 157
Darshan, Ya	'air		Micros	emi				Comment		TR	Comment	•		PSE Inrusi
	late eq		Comment Status Ib to include classes darshan_04_0915.p	5 and	7.	ŀ	Pres: Yair4	"POWER_UP mode occurs on each pairset between the PSE's transition to the POWER_UP state on that pairset and either the expiration of T Inrush-2P or the conclus of PD inrush currents on that pairset (see 33.3.7.3)."						nsition to the
SuggestedF	Reme	dy								nd Type 4 F POWER_OI		nclusion of the	PD inrush curre	ent is not cause to
			er page 1 of darshar n page 246 line 37	_04_09	915.pdf.			SuggestedRemedy						
Response ACCEP	PT.		Response Status	С				POWE and Ty	R_UP	state on th	at pairset an ake use of le	, d either the ex		nsition to the Jsh-2P or, for Type 1 In of PD inrush currents
Add no	ote bel	ow equation	n 33-4b:					Response			Response \$	Status C		

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>246</b>	Page 38 of 74
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>49</b>	9/18/2015 11:48:17 AM
SORT ORDER: Page, Line		

C/ 33         SC 33.2.7.5         P 2           Darshan, Yair         Micro		# 26	Cl <b>33</b> SC Darshan, Yair	33.2.7.6	P <b>248</b> Microsemi	L 18	# 23
Comment Type       T       Comment Status         Addressing the text:       For Type 1 PSE, measurement of minimum to allow startup transients. A Type 2 PSE th and requires the 1ms settling time, shall por Event Physical Layer classification.	Ilnrush-2P requiremer at uses 1-Event Physic ver up a class 4 PD as nsients is true for: ing classification is rela	al Layer classification, if it used 2Multiple- ated to the inrush	When we ch ipeak curren accuracy for As a result, f threshold to crossing lcur As a result w a) The ICUT determined I b) ICUT-2P f c) The value	P threshold anged Ppe t, it caused setting Icc or allowing be equal c -2P is not -2P is not -2P thresh y Equatio hreshold r of Icut_2F	explicitly clarify and allow the old may equal or greater (not	a 1.11 to 1.05 to tt-2P_unb which fective solutions the fact that re following: just equal) the usual). Icon-2P_unb	o reduce maximum h required tighter s we can allow lcut-2P moving power due to IPeak-2P value
Measurement of minimum IInrush-2P requir transients. 2. Delete: A Type 2 PSE that uses 1-Event Physical L settling time, shall power up a class 4 PD as classification. OR explain why we need it. A sentence, it is not clear the intent and the m <i>Proposed Response Response Status</i> REJECT. This comment was WITHDRAWN by the co	ayer classification, and s if it used 2Multiple-Ev s it is worded and coml eed. Z	requires the 1ms rent Physical Layer	To: The ICUT-2F	o threshold o threshold	I may equal the IPeak-2P value I may be greater than or equa sut-2P threshold needs to be l Response Status <b>C</b>	al to the IPeak-2	2P value determined by

Pa **248** Li **18** 

33 SC 33.2.7 chindler, Fred	.6	P <b>248</b> Seen Simply	L <b>26</b>	# 221	C/ <b>33</b> Darshan,	SC <b>33.2.</b> Yair	7.7	P <b>248</b> Microsemi	L <b>26</b>	# 36	
<i>Comment Type</i> <b>ER</b>	Comm	ent Status D		PSE Power	Comment			Comment Status D		PSE Powe	
The existing text, " When connected power from both pa either pairset."	o a single sig rsets before	nature PD, a Type 3	the "PSE uppe	E should (TBD) remove rbound template" on	Refer Wher powe	ring to the tex connected to from both pa pairset.	o a sing	gle signature PD, a Type 3 objective the current exceeds		should (TBD) remove	
"Power shall be ren "PSE upperbound t provides requireme "Power may be rem Editor's Note: All ot commentators find this comment is fits The requirement in upperbound templa pairset may not war	oved from a emplate" in F nt. On pages oved from bo her instances any please co the concerns this section p e. Concerns ranted becau	pairset of a PSE bel gure 33-14." 239 to 240, th pairsets any time of the above statem omment against ther expressed in the Ed revents one or both	fore the pairset power is remo- nent to be remo n." The first se itor's note. of the pairsets ning off one pair ected to the PSI	ntence called out in from crossing the PSE rset then a second E is no longer	currer templ The T Suggester Altern Chan When power either	nt flowing over ate of figure 3 BD need to b dRemedy ative 1: ge from: connected to	r one p 33-14. e repla	protect single signature class pairset when the other pairse aced with text that reflects it gle signature PD, a Type 3 of before the current exceeds	et is about to c or Type 4 PSE	ross the upperbound should (TBD) remove	
providers to build sy power on a nonfaul uggestedRemedy		le of removing powe	er from a fault w	while still providing	shoul		ver fron	e class 5 single signature P n both pairsets before the c t			
				E should (TBD) remove rbound template" on	Altern Remo PSE s	ative 2: we the above should (TBD)	text ("\ remove	When connected to a single e power from both pairsets	0	, JI JI	
roposed Response	Respon	se Status Z			upper	bound templa	ale on	either pairset.")			
REJECT. This comment was	WITHDRAWI	N by the commenter			Due to tha fact that the text in lines 24-26 covers already what we want and shown here below for reference : "A PSE may remove power from the PI if the PI current meets or exceeds the "PSE						
This comment was WITHDRAWN by the commenter. Fred to resubmit next meeting.					lower	bound templa	te" in F	Figure 33-14. Power shall be current exceeds the "PSE	e removed from	n the a pairset PI of a	
					disco		that pa	airset is about to cross the u air, the other pair will be ove			
					Proposed REJE	Response CT.	I	Response Status Z			
					This comment was WITHDRAWN by the commenter.						
					Yair te	o resubmit fo	novt n	neeting			

TTE. Tratechinear required Enveational required Oragene	Tar required Triteeninear Ereditorial Orgeneral	7 a <b>240</b>	
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>26</b>	9/18/2015 11:48:17 AM
SORT ORDER: Page, Line			

C/ 33 SC 33.2.7.7 Yseboodt, Lennart	P <b>248</b> Philips	L <b>27</b>	# 127	<i>Cl</i> <b>33</b> Dwelley, D	SC 33 avid	3.2.7.7	P <b>248</b> Linear Techn	L <b>43</b> blogy	# 208
Comment Type T	Comment Status D		PSE Power	Comment	Туре	т	Comment Status A		Editoria
	single signature PD, a Type to before the current exceeds			case (		here is I	ices are missing a space/ur lim-2pmin) it looks like a nev		
TF to discuss if we can	lose the TBD.			Suggested					
SuggestedRemedy Remove TBD.				Chang better.		min or -2	p_min (or max as appropria	te), whichever t	the style guide likes
Proposed Response	Response Status Z			I coun	t 11 mins	, 2 maxs	on pages 248-250 and 275		
REJECT.	Response Status Z			Response ACCE	PT IN PR		Response Status <b>C</b>		
This comment was WIT	THDRAWN by the commente	er.				-	ded before the min or max.		
	5			EZ					
<i>Cl</i> <b>33</b> <i>SC</i> <b>33.2.7.7</b> Darshan, Yair	P <b>248</b> Microsemi	L 33	# 25	C/ 33	SC 33	3.2.7.7	P 249	L 1	# 161
Comment Type T	Comment Status A		PSE Power	Yseboodt,			Philips		
After line 33 which is th				Comment		TR	Comment Status A	la a como del de	Pres: Lennarta
"The maximum value o (33–6) and Figure 33–1	f ILIM-2P is the PSE upperbo 14."	ound template o	lescribed by Equation		t set of pa		TBD. It is there because this rs.	is a very tricky	y to define value with our
Managed to montion th	at ILIM-2P minimum in Table	22.11 itom 0 it	aluda tha officiate of and	Suggested	IRemedy				
	ent/resistance unbalance.	33-11 item 9 ir	icidae the effects of end				Icon - 'the current in the oth the reader to also show the		ance in this Figure.
SuggestedRemedy				See pi	resentatio	on ysebo	odt_2_0915.pdf on Figure 3	3-14 for replace	ement figures.
1. Add after the above ILIM-2P minumum valu	text: ie in Table 33-11 item 9 for c	lass 5 and abov	ve includes	Response		-	Response Status C	·	Ū
E2EP2PRunb effect.				ACCE	PT IN PR	RINCIPL	Ξ.		
	he Editor Note section in pag	ge 244 line 13.		OBE b	y 158				
Response	Response Status C				-				
ACCEPT.									

Pa **249** Li **1** 

C/ 33 SC 33.2.7.7	P 249	L <b>1</b>	# 160	CI 33	SC 33.2.7	.7	P 249	L <b>1</b>	# 159
Yseboodt, Lennart	Philips			Yseboodt, L	_ennart		Philips		
Comment Type TR	Comment Status A		Pres: Lennart2	Comment 7	Type <b>TR</b>	Com	nment Status A		Pres: Lennart2
Figure 33-14. In contrast to 802.3-2012 being Class dependent. The reason is that we do to support comparatively enormous currents up to Fig 33-14 also uses llime The side effect is that th Class. See comment #94 again "Comment is rejected be requirement. This allows SuggestedRemedy Solution is to have this s	2, the parameter Ilim(min) v o not want Type 3/4 PSEs the Difference of the lowerbour (min) in the upperbound ter (min) in the upperbound ter (at upperbound limit is no lo (min) the upperbound ter (min) in the upperbound ter (min) in the upperbound ter (mething new, Ilim(max), Icu	hat are restricte nd template. nplate, for t > T nger Type-cons y behavior and i ent limit and not emplate defined	Type dependent to d to low power, to have cut(max). tant, but moves with is a feature rather than a dynamically change it."	This Fig This ha mode. The iss In 802.3 IEC 609 = 2.63A TF to d Note: - Adopt - Discus Suggested See pre Response	gure 33-14 r is the effect use is with th 3-2012 this v 950 lists a m A or 1.3A pe iscuss if we sing 1.3A lim ssion with IE Remedy	ow works o to double al e 1.75A cor vas chosen aximum Isc pairset. need to cha it introduces C experts s seboodt_2_ <i>Resp</i>	n a per pairset basis Il the constants in the nstant in the upperbo as 100W / 57V = 1.	e Figure when th ound template. 75A. cources as 150W for Class 7-8 P ow to interpret th	I basis. e PSE operates in 4P / / Vmax = 150W / 57V SEs is specification
See presentation vsebo	odt_2_0915.pdf on Figure 3	3-14 for replace	ement figures.	OBE by	/ 158				
Response	Response Status <b>C</b>		sinon nguroon				Data	1 45	# 04
ACCEPT IN PRINCIPLE	•			<i>Cl</i> <b>33</b> Darshan, Ya	SC <b>33.2.</b> 7 air	.7.	P <b>249</b> Microsemi	L 15	# 24
OBE by 158				Comment Type       T       Comment Status       A       Pres: 1         Figure 33-14.       We need to capture Type 1 and Type 2 requirements and Type 3 and Type 4 requirements       See proposed solution in darshan_02_0915.pdf					
				Suggestedl To impl	R <i>emedy</i> lement dars	nan_02_091	15.pdf.		
				Response ACCEF	PT IN PRINC	'	onse Status C		
				OBE by	y 158.				

Pa **249** Li **15** 

Cl 33       SC 33.2.7.7       P 249       L 28       # 158         Yseboodt, Lennart       Philips       Pres: Lennart2       Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       A       Pres: Lennart2       Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       A       Pres: Lennart2       Comment Type       E       Comment Status       A         In Figure 33-14, x axis, there is a marked time with value of 8.2ms. Followed by a marked time with value T_LIM-2P(min). For Type 4, T_LIM-2P(min)=6ms, which is less than 8.2ms.       Pres: Lennart2       Comment Type       E       Comment Status       A         SuggestedRemedy See presentation yseboodt_2_0915.pdf on Figure 33-14 for replacement figures.       SuggestedRemedy       "33.2.7.11       Intra-pair current unbalance"       Response       Response Status       C         AcCEPT IN PRINCIPLE. Adopt yseboodt 2_0915_v110.pdf as baseline text with the exception of section 33.2.7.4.       OBE by 205       OBE by 205	# <u>63</u> Editoria
Comment Type       TR       Comment Status       A       Pres: Lennart2       Comment Type       E       Comment Status       A         In Figure 33-14, x axis, there is a marked time with value of 8.2ms. Followed by a marked time with value T_LIM-2P(min). For Type 4, T_LIM-2P(min)=6ms, which is less than 8.2ms.       "33.2.7.11 intra-pair current unbalance" Capitalization.       "33.2.7.11 Intra-pair current unbalance" 	Editoria
In Figure 33-14, x axis, there is a marked time with value of 8.2ms. Followed by a marked time with value T_LIM-2P(min). For Type 4, T_LIM-2P(min)=6ms, which is less than 8.2ms. SuggestedRemedy See presentation yseboodt_2_0915.pdf on Figure 33-14 for replacement figures. Response Response Status C ACCEPT IN PRINCIPLE. BE by 205	Editoria
Followed by a marked time with value T_LIM-2P(min).       Capitalization.         For Type 4, T_LIM-2P(min)=6ms, which is less than 8.2ms.       SuggestedRemedy         SuggestedRemedy       "33.2.7.11 Intra-pair current unbalance"         See presentation yseboodt_2_0915.pdf on Figure 33-14 for replacement figures.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       OBE by 205       OBE by 205	
SuggestedRemedy       "33.2.7.11 Intra-pair current unbalance"         See presentation yseboodt_2_0915.pdf on Figure 33-14 for replacement figures.       "83.2.7.11 Intra-pair current unbalance"         Response       Response Status       C         ACCEPT IN PRINCIPLE.       OBE by 205	
See presentation yseboodt_2_0915.pdf on Figure 33-14 for replacement figures.       Response       Response Status       C         ACCEPT IN PRINCIPLE.       OBE by 205	
Response Response Status C ACCEPT IN PRINCIPLE. OBE by 205	
ACCEPT IN PRINCIPLE. OBE by 205	
Adopt vseboodt 2 0915 v110.pdf as baseline text with the exception of section 33.2.7.4.	
	# 205
Comment Type TR Comment Status A Pres: Lennart2 Dwelley, David Linear Technology	
In Equation 33-7 there is a TBD that can be replaced with parametric values. This part adresses the lowerbound template for the time point t>=Tcut-2P min. The value of this it has to be the value of 2P current without the effect of unbalance and up to lcont-2P_unb which is the maximum possible DC current over the pair including E2EP2PRunb effect. In other words: In other words: In the value of the time point t>=Tcut-2P min. This part adresses the lowerbound template for the time point t>=Tcut-2P min. This status A Missing capitalization: "intra-pair" This typo also appears in the contents (p22 line 19) but I suspect it will fix it SuggestedRemedy	<i>Editoria</i> itself.
For Type 3 and 4 classes 5-8: The value is 0.5*Pclass/Vport_PSE to Icon-2P_unb. Change to "Intra-pair"	
SuggestedRemedy       Response       Response Status       C         1. Replace the entire row of the TBD in equation 33-7 to two separate rows:       ACCEPT.       ACCEPT.         Row #3: 0.5*Pclass/Vport_PSE-2P to Icon-2P_unb for t>=Tcut-2Pmin and for classes 5-8       ACCEPT.       ACCEPT.	
row #3: 0.3 Fickass/Vport_ISE2E to feetbeen 21 _unb for t/2 Fietbeen finite and for classes 3-6       EZ         Row #4: 0.5*Pclass/Vport_PSE-2P for t>=Tcut-2Pmin and for classes 0-4 operating over       EZ         two pairs.       2. Add after line 3 page 50:         Icon-2P_unb is specified in Table 33-11.       EZ	
Response Response Status C	
ACCEPT IN PRINCIPLE.	
OBE by 158	

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

Pa **250** Li **45** 

Cl 33         SC 33.2.7.11a         P 251         L 3         # 230           Schindler, Fred         Seen Simply	C/ 33         SC 33.2.7.11a         P 251         L 13         # 27           Darshan, Yair         Microsemi					
Comment Type TR Comment Status R Pres: Types	Comment Type T Comment Status A PSE Power					
The added section and choices made related to Type power may confuse the market place. Previously we had Types that indicated abilities, one of which was maximum expected power. Type 3 and 4 introduce devices that no longer guaranty a specific power level. These choices require new terms to be used and explained.	The text: Type 4 PSEs shall not source more power than PType max as specified in Table 33-11 calculated with any sliding window with a width of 1 (TBD) second.					
Before we had a Type-X system that indicated cabling, connectors, power source, and	For design flexibility we can allow 1sec window to 5sec which is much less than 60sec and get rid of the TBD					
power acceptance ability.	SuggestedRemedy					
Now we have Type-X PSE that cannot provide full power to a Type-X PD and the system	Replace TBD with 1 to 5 seconds.					
cabling infrastructure needs to meet the Type-X PSE needs. If I change the Type-X PSE	Response Response Status C					
to a PSE that supports the maximum class possible for Type-X the cabling infrastructure needs to be changed.	ACCEPT IN PRINCIPLE.					
Using the suggested solution removes many corner-cases and footnotes, which makes the specification easier to understand.	Change text to:					
SuggestedRemedy	"Type 4 PSEs shall not source more power than PType max as specified in Table 33-11 calculated with any sliding window with a width of up to 4 seconds.					
The Task Force should discuss these implications and the need for so many variants of the same Type to determine how to proceed.	Editor's note: Lennart to check IEC62368, part 3"					
The preferred solution is to require a PSE of Type-X to provide Ptype(min) for that type.						
Response Response Status C						
REJECT.						
No support.						

Pa **251** Li **13** 

CI 33 SC 33.2.8	P 251	L <b>36</b>	# 128		3.2.9.1.1	P 254	L <b>21</b>	# 64	
Yseboodt, Lennart	Philips			Yseboodt, Lennart		Philips			
	Comment Status A power provision to a link if t equested by the PD based o			original text: "Eo	ditors Note: Yai	nment Status <b>A</b> r to review AC MPS f t supporting AC-MPS		Editor	
	power provision to a link if t equested by the PD based o			SuggestedRemedy Remove Editors	s note.				
In .at the shall was char correct.	nged to 'does not', which is n	o longer normat	ive, but also not	Response ACCEPT.	Resp	onse Status C			
SuggestedRemedy				EZ					
	power provision to a link if, PSE, the PD is unable to as rtised class."			CI 33 SC 33 Schindler, Fred	3.2.9.1.1	P <b>254</b> Seen Simply	L <b>21</b>	# 222	
Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.			51		nment Status <b>A</b> required and should b	be removed,	Editor	
	power provision to a link if a ver based on the number of			SuggestedRemedy Remove, "Editor's Note: \	air to review A	C MPS for 4-pair."			
Add Editor's note below	sentence: "This text require	es further study.		Response ACCEPT IN PR	,	onse Status C			
C/ <b>33</b> SC <b>33.2.8</b> Darshan, Yair	P <b>251</b> Microsemi	L <b>47</b>	# 11	OBE by 64					
Comment Type ER	Comment Status A		Editorial	EZ					
We already agreed in la PI P2Punb requirement		normative anne	ex and is used for PSE		3.2.9.1.2	P <b>254</b> Philips	L <b>27</b>	# 142	
incorrect implementatio	be used for Autoclass. E_P2P that addresses other n of darshan_06_0715.pdf ir 3/bt/public/jul15/darshan_06	1		Comment Type TR Comment Status A Editor The construction "the sum of I port-2P of both pairsets of the same polarity" is used 6 times in 33.2.9.1.2					
SuggestedRemedy					same polarity' o	loes not make sense	. This should be	pairs'.	
	B for more information on ho more information on how"	w"		SuggestedRemedy Replace by "the	sum of I port-2	2P of both pairs of the	e same polarity" (	6x)	
_	Response Status C			Response	Resp	onse Status <b>C</b>			
Response				ACCEDT					
Response ACCEPT.				ACCEPT.					

 TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
 Pa 254

 COMMENT STATUS: D/dispatched A/accepted R/rejected
 RESPONSE STATUS: O/open W/written C/closed Z/withdrawn
 Li
 27

 SORT ORDER: Page, Line
 Sort Order Status
 Sort Orde

Page 45 of 74 9/18/2015 11:48:17 AM

C/ 33 SC 33.3.1 P 255 L 19 # 172	CI 33 SC 33.3.1 P 255 L 43 # 38						
Zimmerman, George CME Consulting	Darshan, Yair Microsemi						
Comment Type T Comment Status A Editorial	Comment Type TR Comment Status A Editoria						
"The two conductor sets are named Mode A and Mode B." we now call these "pairsets" - in fact, the two sentences immediately preceding this one use the term pairsets. Switching back to conductor sets is confusing and makes the reader think there is a difference where I think there should be none.	It is important to emphasis that PDs that are not implemented to be insensitive to polarity, are specifically not allowed by this standard. (We used this concept already in lines 47-48). SuggestedRemedy						
SuggestedRemedy replace "conductor sets" with "pairsets" or clarify what is meant by the different term.	Add the following text after line 43 in page 255: PDs that are not implemented to be insensitive to power supply polarity are specifically no allowed by this standard.						
Response Response Status C ACCEPT.	Response Response Status C ACCEPT IN PRINCIPLE.						
EZ	OBE by comment 119.						
C/ 33         SC 33.3.1         P 255         L 19         # 101           Yseboodt, Lennart         Philips	EZ						
Comment Type ER Comment Status A Editorial	C/ 33         SC 33.3.1         P 255         L 47         # 119           Yseboodt, Lennart         Philips						
"Type 1 and Type 2 PDs shall be capable of accepting power on either of two pairsets and may accept power on both pairsets. Type 3 and Type 4 PDs shall be capable of accepting power on either pairset and shall be capable of accepting power on both pairsets. The two conductor sets are named Mode A and Mode B."	Comment Type T Comment Status A Editoria "NOTEPDs that implement only Mode A or Mode B are specifically not allowed by this standard."						
'The two conductor sets' have not been called out at this point (due to changes in the previous text).	SuggestedRemedy Append to note: "PDs that are not implemented to be insensitive to polarity, are specifically not allowed by this standard."						
SuggestedRemedy Replace by: "There are two conductor sets, named Mode A and Mode B, corresponding with the two pairsets."	Response Response Status C ACCEPT IN PRINCIPLE.						
Response Response Status C ACCEPT IN PRINCIPLE.	Append to note: "PDs that are not insensitive to polarity, are specifically not allowed by this standard."						
OBE by 172							
EZ							

Pa **255** Li **47** 

CI 33	SC 33.3.1	P <b>255</b>	L <b>51</b>	# 271		CI 33	SC 3	33.3.1	P <b>255</b>	L <b>51</b>	# 229	
ones, Cha	ad	Cisco				Schindler, F	red		Seen Simply			
Comment	Туре Т	Comment Status D			57V	Comment T	уре	TR	Comment Status A			57∖
withsta	and any voltage	oper wording for the underse from 0 V to 57 V at the PI i					) shall	withstand	d to accept up to 57V on ead d any voltage from 0 V to 57			
Suggested	-					porman		nago.				
	and Type 2 PI t permanent da	Ds shall withstand any volta Image.	ge from 0V to 57	/ at the PI indefini	tely	Suggested	-					
Type 3	and Type 4 PI	Ds shall withstand any volta	ne or combination	of voltages from	0V to	Replace	e the D	raft text v	vitn,			
		ity combination of the Mode				Solution	n-1:					
		pairsets (defined in Table 33	3-13) indefinitely v	without permanent					s shall withstand any voltage			
damag	je.								out permanent damage. Typ V on both pair sets indefinite			any
These	tests shall be r	run with the two conductors	of each tested pa	ir at the same volt	age	Vollago	nom o	1001		ly malout point	anoni damago.	
potenti	ial.					Solution						
Proposed I	Response	Response Status Z							s shall withstand any voltage out permanent damage. Typ			anv
REJEC	CT.								V on both pair sets or betwee			xity
This of			atar			perman	ient dai	mage.			·	
		ITHDRAWN by the comme	nier.									
Task F	Force to discuss	6.				Response			Response Status C			
This la		cause problems for the "hal	active bridge" im	nlementation that	ie	ACCEF	PT IN P	RINCIPL	E.			
	only used.		active bridge in		15	No cha	nges to	the draf	t.			
						C/ 33	SC 3	33.3.2	P 256	L <b>7</b>	# 102	
						Yseboodt, L			Philips	-1		
						Comment T	vpe	ER	Comment Status A		Edi	itorial
									rent wording than matching	PSE table 33-1a	a (page 200).	
						Suggested	Remed	/				
						Change	e colum	in headei	r "Maintain Power Signature" No, 5xYes".	to "Low MPS s	upport"	
						Response			Response Status C			
						ACCEF	ΥT.					
						EZ						

Pa **256** Li **7** 

C/ 33 SC 33.3.2	P <b>256</b>	L 17	# 176	C/ <b>33</b>	SC 33.3.2	P 2	256 L 3	56	# 178	
Zimmerman, George	CME Consult	ing		Zimmern	nan, George	CME	Consulting			
Comment Type TR	Comment Status A		Ty	pes Commen	t Type TR	Comment Status	Α			Type
type. There are two end They differ in the phys required. These differ same type, or, are the	d "Permissible PD Types" as ntries for "Type 3/SS", differe ical layer class events and w ences should just be noted ir y really a different type? (the pe, but might under some ci	ntiated by their hether data link a single row si first is preferabl	class, not their type. layer classification is nce the PDs are of the le, since a PD really	the d error 1) Cl 2) Cl Suggeste	liscussion. Withe ass 6 is not perr ass 0 is not perr edRemedy	informative distinctions out pointing these out, mitted for any Type 4 F mitted for any PDs othe	the reader is likel PDs er than Type 1.	ly to think it a	typographica	al
SuggestedRemedy						t permitted for any PDs paragraph as Type 1 P		1." on line 36	s, after the e	nd of
	3/SS Class 1-3 and Type 3/S		separate types (i.e.,			t permitted for Type 4		aragraph afte	r line 52.	
rename them e.g., Typ	be 3a/SS and Type 3b/SS) or showing the 2 class ranges	, preferably	over class and data lir	Respons	e	Response Status	С			
layer class.			ayer class and data in	ACC	EPT IN PRINCI	PLE.				
Response Response Status C ACCEPT IN PRINCIPLE. Combine rows. Show "Multiple-Event" and "Mandatory" as the the physical layer and DLL class requirements.					Insert: "Class 0 is only permitted for Type 1 PDs." on line 36, after the end of the sentence (same paragraph as Type 1 PDs). Insert: "Type 4/SS PDs only advertise class 7 and 8. Type 4/DS PDs only advertise class 5." as a new paragraph after line 52.					
class requirements.				C/ 33	SC 33.3.2	P2	256 L 5	51	# 65	
	vhich references text: "Type 3	3/SS Class 1-3	PDs are not required to	Ysebood	t, Lennart	Philip	s			
implement DLL classif	ication.			Commen	t Type E	Comment Status	Α		E	Editoria
	Add editor's note: Classification section to be updated to move all Type 3 and Type 4 PSEs to multiple-event (Mark is considered an event).				ification and Da signature of 1,	e 4/DS PDs implement ta Link Layer Classifica 2, 3 or 4 on each pairs east one pairset." ast'.	ation (see 33.6). 1	Type 3/DS PD	Ds advertise	а
					space.					
				Respons	•	Response Status	c			
					ACCEPT IN PRINCIPLE.					
					Space need in "atleast". Also add "," after "3" in "1, 2, 3 or 4".					
				EZ						

Pa **256** Li **51** 

Zimmerman, George C	P 256         L 51           CME Consulting	# 164	C/ 33 SC 33.3.2 Zimmerman, George	P <b>257</b> CME Consultin	L <b>6</b> ng	# 177	
Comment Type E Comment Sta missing space "atleast" SuggestedRemedy replace "atleast" with "at least" Response Response Sta ACCEPT IN PRINCIPLE.		Editorial	Comment TypeTRComment StatusAEdito"Type 2, Type 3 and Type 4 PDs shall meet the requirements of 25.4.5 in the presence of (lunb / 2).", but the requirement of 25.4.5 specifically only applies to Type 2 devices. "A receiver in a Type 2 Endpoint PSE or Type 2 PD (see Clause 33) shall meet the requirements of 25.4.7. A transmitter in a Type 2 Endpoint PSE or Type 2 PD delivering or accepting more than 13.0W average power shall meet either the Open Circuit Inductance (OCL) requirement in 9.1.7 of TP-PMD, or meet the requirements of 25.4.5.1." Additionally, the requirement here requires ALL TYpe 2, 3 and 4 PDs whether or not they include 100BASE-TX, to meet the clause 25 requirement, which would make magnetics				
OBE by 65. <u>EZ</u> <i>C</i> / 33 SC 33.3.2	P257 L1	# 170	I believe the purpose of t	future, 100BASE-TX suppor he requirement here is to ad descriptive text as to the pur	ld lunb to the		
	CME Consulting atus <b>A</b> e informative - summarizing	<i>Editorial</i> requirements and	Insert after "PDs", "imple Add a note after line 6 str 33, this adds the unbalan Add Clause 25 to the 802	menting 100BASE-TX (Clau ating: "NOTE - For PDs impl ce current to the requiremen 2.3bt amendment, and modif or greater PD" (2 places).	lementing both	h Clause 25 and Clause 25."	
elsewhere (if they aren't then the section However, at the end of the section there and PD6 (25.4.5 compliance) which see These make the informative nature of th maintenance request), and the informat text	n is missing the 'shall' state e are two requirements (PD em misplaced. he new text unclear (hence v	ments and any PICs). 5 (underpowered PDs) why this isn't a	1 ,1	P 259 Philips	L 6	# 67	
SuggestedRemedy Add (informative) to the title of the secti (note the two normative requirements a			Comment Type E In variable "pse_power_le "The PSE is delivering th	Comment Status A evel" e PD's requested power"		Editoria	
Response Response Sta ACCEPT IN PRINCIPLE.	tus C		The variable indicates how much power the PSE has allocated by showing a number of class events (in combination with the shown class signature).				
			The word 'delivering' is no				
Do not add informative Add editor's note: Need to move two no	ormative requirements from	section 33.3.2"	The word 'delivering' is no SuggestedRemedy Change (4x) 'is delivering	ot correct.			
Do not add informative	ormative requirements from	section 33.3.2"	SuggestedRemedy Change (4x) 'is delivering	ot correct.			

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

Pa **259** Li **6** 

C/ 33 SC 33.3.3.3 Yseboodt, Lennart	P <b>259</b> Philips	L 6	# 66	Cl 33 SC 33.3.4 Yseboodt, Lennart	4 <i>P</i> 261 Philips	L <b>50</b>	# 121
Comment Type E In variable "pse_dll_po "The PSE is delivering	Comment Status A		PD State Diagram	Comment Type <b>T</b> "A Type 2 PD prese Figure 33-16."	Comment Status A ents a non-valid detection signa		PD Detection ark event state per
	how much power the PSE han ation with the shown class a not correct.			Shall missing? SuggestedRemedy	which supports Multiple event cl		
SuggestedRemedy Change (4x) 'is deliveri				mark event state pe	•	n-valid detection	signature when in a
Response ACCEPT.	Response Status C			Response ACCEPT IN PRINC	Response Status C		
EZ				No changes to draf Already in section 3			
C/ 33 SC 33.3.3.5 Yseboodt, Lennart	P <b>260</b> Philips	L 14	# 120	C/ 33 SC 33.3.4 Bennett, Ken	4 P 262 Sifos Techno	L6	# 48
Comment Type <b>T</b> original text: "" "Figure 33-16 PD state finger support.	Comment Status A	de Autoclass pa	PD State Diagram	Comment Type E	Comment Status A 4P-ID" should be "LLDPDU var	-	LLDP ariable".
SuggestedRemedy	) state diagram needs to be	updated for Auto	oclass."	Change "LLDP" to			
Response	Response Status C			Response ACCEPT.	Response Status C		
ACCEPT.				C/ 33 SC 33.3.4 Yseboodt, Lennart	4 P 262 Philips	L 13	# 68
				Comment Type E "two voltage/curren	Comment Status R t" can be read as 'or'		PD Detection
				SuggestedRemedy change to "two volt	age and current"		
				Response	Response Status C		
				REJECT.			

TYPE: TR/technical required ER/editorial required GR/genera	Pa <b>262</b>	Page 50 of 74	
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>13</b>	9/18/2015 11:48:17 AM
SORT ORDER: Page, Line			

C/ 33 SC 33.3.4 Yseboodt, Lennart	P <b>262</b> Philips	L <b>33</b>	# 69	C/ 33 SC 33.3.5 Yseboodt, Lennart	5 P <b>264</b> Philips	L 1	# 143
Comment Type E	Comment Status A is not consistent with rest of d	ocument	Editorial	Comment Type TR "A PD shall meet at 8." Wrong Table refere	Comment Status A t least one of the allowable class	sification permut	Editorial ations listed in Table 33-
Response ACCEPT.	Response Status C			SuggestedRemedy Change to: "A PD s in Table 33-15a."	hall meet at least one of the allo	owed classification	on configurations listed
C/ 33 SC 33.3.4 Yseboodt, Lennart	P <b>263</b> Philips	L 1	# 70	Response ACCEPT.	Response Status C		
Comment Type E	Comment Status A		Editorial	EZ			
"PD input connector"	is not consistent with rest of d	ocument		CI 33 SC 33.3.5	5 P 264	L <b>3</b>	# 103
SuggestedRemedy				Yseboodt, Lennart	Philips		
change to "PD PI" Response ACCEPT.			Comment Type         ER         Comment Status         A         Editoria           "The allowed PD classification configurations are shown in Table 33-15a."         This line is redundant to line 1.         Editoria				
C/ 33 SC 33.3.5 Zimmerman, George	P 263 CME Consult	L <b>43</b>	# 165	SuggestedRemedy Remove sentence.	Response Status <b>C</b>		
Comment Type E	Comment Status A based on power. The Physica	-	<i>Editorial</i>	Response ACCEPT.			
	the PD draws across all input			NonEasy			
The first statement is that needs to be said.	meaningless and needs clarif	ication. The sec	ond sentence says all				
SuggestedRemedy							
Delete "The PD is clas	ssified based on power."						
Response ACCEPT.	Response Status C						
EZ							

Pa **264** Li **3** 

Cl 33         SC 33.3.5         P 264         L 36         # 181           Zimmerman, George         CME Consulting         Image: CME Consulting <th>CI 33         SC 33.3.5         P 264         L 43         # 231           Schindler, Fred         Seen Simply</th>	CI 33         SC 33.3.5         P 264         L 43         # 231           Schindler, Fred         Seen Simply
Comment Type       TR       Comment Status       A       PD Classification         (Note 1 to Table 33-15a)       "Any PD that is limited to class 0-3 power levels may omit DLL support."       and P264 L43         "Type 2, Type 3 and Type 4 PDs shall implement both Multiple-Event class signature (see 33.3.5.2) and Data Link Layer classification (see 33.6)."       Are in conflict. L43 would be read that any Type 3 Class 1-3 PD would have to implement DLL (which is also in conflict with table 33-13a's PD summary, which also says that Type 1-3 Type 3 PDs only have to do 1-Event class).	Comment Type       TR       Comment Status       A       PD Classification         The footnote on Table 33-15a and text below the table may confuse the reader. If a PD already supports DLL them it should continue to support DLL whether is it consuming less than class-4 power or not.       SuggestedRemedy         Replace footnote 1 with, "Any PD not capable of drawing more than class-3 power levels may omit DLL support."       Response         Response       Response Status       C
SuggestedRemedy Change P264 L43 to read: "Type 2, Type 3 and Type 4 PDs at class 4 or greater power levels shall implement both Multiple-Event class signature (see 33.3.5.2) and Data Link Layer classification (see 33.6)." Add after the above sentence. "PD's of all Types at class 3 or lower power levels are not required to implement Multiple-	ACCEPT IN PRINCIPLE. OBE by 181 C/ 33 SC 33.3.5 P 264 L 43 # 243 Picard, Jean Texas Instruments
Event class signature (see 33.3.5.2) and Data Link Layer classification (see 33.6)."  Response Response Status C ACCEPT IN PRINCIPLE.  Change P264 L43 to read: "Type 2, Type 3 and Type 4 PDs at class 4 or greater power levels shall implement both Multiple-Event Physical Layer classification (see 33.3.5.2) and Data Link Layer classification (see 33.6)." Add after the above sentence.	Comment Type       TR       Comment Status       A       PD Classification         The statement about Type 3 does not align with table 33-13 for class 1-3       SuggestedRemedy       Festate the sentence to Indicate that for class 1-3 SS, LLDP is optional       Response       Response Status       C         ACCEPT IN PRINCIPLE.       Fertility       C       Fertility       C       Fertility       C
"PD's of all Types not capable of drawing more than class 3 power levels may omit Data Link Layer classification (see 33.6)."	OBE by comment 181

Pa **264** Li **43** 

C/ 33 SC 33.3.5.4 Zimmerman, George	I P 264 CME Consult	L <b>52</b>	# 174	C/ <b>33</b> Yseboodt,	SC 33.3.5.1	P <b>265</b> Philips	L 6	# 144
Comment Type T	Comment Status A	ing	PD Classification	Comment		Comment Status A		PD Classification
"Class 0 is the defau Now that we have Ty classification class si 13a, Class 0 is NOT clause specifies the I This statement needs Additionally, Table 33	It for PDs". pe 3 and Type 4, which are red gnatures, as described all over the default for PDs. Class 0 is PD. Class 0 appears to be only	the place and s the default that allowed for Typ	t at least 1-event summarized in Table 33- a PSE assumes. this	Topic "Type 1-Eve Type <i>Suggestee</i> "Type	2 Class 0 / Type 3 3 PDs operating ant classification b 3 does not have <i>dRemedy</i> 3 PDs operating	B removal with a maximum power draw by returning a Class signatur class 0. with a maximum power draw	e 0, 1, 2, or 3 in	to class 0-3 respond to accordance" to class 1-3 respond to
SuggestedRemedy						by returning a Class signatur	e 1, 2, or 3 in ac	cordance"
Type 3/SS PDs, and	as either applying only to Type editor to search and align othe vhich I have commented on els	r references to o		Response ACCE		Response Status C		
Response	Response Status <b>C</b>	ewnere).		EZ				
ACCEPT IN PRINCI	-			C/ <b>33</b> Yseboodt,	SC 33.3.5.1	P <b>265</b> Philips	L <b>7</b>	# 104
Change to: Class 0 i	s the default for Type 1 PDs."			Comment		Comment Status A		Pres: Types
	Comment Status A Multiple-Event class signature draw, PClass_PD, as specified der.			Why I Suggester "Since and T	ist Type 4 separa dRemedy e 1-Event classifi ype 4 PDs opera	d to 1-Event classification wi ately ? Can be shorter. cation is a subset of Multiple ting with a maximum power ssification with a Class 4 sig	-Event classifica draw correspond	tion, Type 2, Type 3,
	Multiple-Event class signature draw, PClass_PD, as specified			Response ACCE		Response Status C		
Response	Response Status C							
ACCEPT IN PRINCI	PLE.							
	Multiple-Event class signature ower draw, Pclass_PD, as spec							
	ired ER/editorial required GR/ dispatched A/accepted R/reje ne	- ·		5	d Z/withdrawn	Pa 2 Li 7		Page 53 of 74 9/18/2015 11:4

CI 33 SC 33.3.5.2		L <b>3</b>	# 196	CI 33	SC 33.3.5.2	P 266	L <b>26</b>	# 197
Johnson, Peter	Sifos Techno	logies		Johnson,	Peter	Sifos Technol	logies	
Comment Type T	Comment Status A		PD Classification	Comment	Туре Т	Comment Status R		PD Classificatio
33-16a and in the PD	_A" and "class_sig_B" are just State Diagram (and associate ring on Alt-A and Alt-B pairs w	ed variable defir	nitions). Will get		be beneficial to	class signatures are per-pair highlight this fact.	set in a Dual Sig	gnature PD, perhaps it
SuggestedRemedy					-	e under PD Type 3 and PD T	vpe 4 add (per	pairset)
	nd replace" with "class_sig_A ass_sig_ev35" or something li		g_ev12" and	Response		Response Status <b>C</b>	ype 4, add (per	pullocy
Response	Response Status C			REJE	CT.			
ACCEPT IN PRINCIP	PLE.			This id	dea is captured ir	n the text below the table, line	938.	
	aft. Better suggestions for nar			C/ <b>33</b> Yseboodt,	SC 33.3.5.2 Lennart	P <b>266</b> Philips	L 38	# 145
C/ 33 SC 33.3.5.2 Yseboodt, Lennart	P <b>266</b> Philips	L 13	# 146	Comment		Comment Status A		PD Classificatio
	•				Class 0 / Type 3			
Comment Type TR Topic: Class 0 / Type			PD Classification	"Dual Suggestee	•	nall use only class 0 to 5 pow	er level over ea	ch pairset."
	iss 0 for Type 3 / Single-signa	ture.		00		nall use only class 1 to 5 pow	er levels over ea	ach pairset."
SuggestedRemedy Remove row from tab				Response	-	Response Status C		
Response	Response Status C			ACCE	PT IN PRINCIPL	.Е.		
ACCEPT.	Response Status			OBE	oy 147.			
EZ				ODE	Jy 147.			
C/ 33 SC 33.3.5.2		L 23	# 182					
Zimmerman, George	CME Consult	ing						
Comment Type TR	Comment Status A		PD Classification					
Table 33-16a shows r indicates "Dual-signat	no entries for dual signature cl ture PDs shall use only class (	ass 0 PDs and ) to 5 power lev	text on lione 38 el"					
Which is it? Table 33	-13a suggests DS PDs don't l	nave class 0						
SuggestedRemedy change "class 0 to 5"	to "class 1 to 5"							
-	Response Status C							
Response ACCEPT IN PRINCIF	LE.							
Response ACCEPT IN PRINCIF OBE by 147.	PLE.							

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

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CI 33 SC 33.3.5.	.2 <i>P</i> 266	L 38	# 147	C/ 33	SC 33.3.5.2.1	P 267 L 15	# 52
Yseboodt, Lennart	Philips			Beia, Christiar	ı	STMicroelectronics	
Comment Type TR	Comment Status A		PD Classification	Comment Typ	e TR	Comment Status A	PD Classification
advertised over each signature PDs may different class signa	s shall use only class 0 to 5 pow h pairset is the power requested use different classsignature per tures with single load dual-sign	d by the PD over pairset. It is not ature PDs."	that pairset. Dual-	can be rel	ng first class of axed if the PS Id not add con	event spec introduces a big burden for PD timir E was able to better control the lenght of the lo nplexity to the PSE since its clock is typically m	ong first class event.
	Grammer improvement needed.			SuggestedRei	nedy		
	s shall advertise a class signatu			Change T Leave 75.		m7, TLCF_PD max to 86.5	
Dual-signature PDs recommended to us	d on each pairset is the power r may advertise a different class e different class signatures if th	signature on eac	h pairset. It is not	Response ACCEPT	IN PRINCIPLE	Response Status <b>C</b> E.	
electrical load." Response	Response Status C			OBE by 2	39		
ACCEPT.				CI 33 S Picard, Jean	SC 33.3.5.2.1	P 267 L 15 Texas Instruments	# 239
C/ 33 SC 33.3.5. /seboodt, Lennart	.2 <i>P</i> 266 Philips	L <b>39</b>	# 105	Comment Typ		Comment Status <b>A</b> argin for TLCF_PD to keep complexity down.	PD Classification
Comment Type ER "Dual-signature PDs Better wording.	Comment Status A s may use different class signat	ure per pairset."	PD Classification	SuggestedRei	medy	value from 84.5 ms to 87.5 ms.	
SuggestedRemedy "Dual-signature PDs	s may use a different class sign	ature on each pa	irset."	Response ACCEPT.		Response Status C	
Response ACCEPT IN PRINCI	Response Status <b>C</b> IPLE.			C/ <b>33</b> S Yseboodt, Ler	SC 33.3.5.3	P <b>267</b> L <b>35</b> Philips	# 122
OBE by 147.					elementing Au	Comment Status <b>A</b> toclass shall not have class_sig_A of '0'." ss 0 for Type 3/4, this 'shall' becomes redunda	PD Classification
				SuggestedRei Remove s			
				Response ACCEPT		Response Status <b>C</b> E.	
				Remove "	In addition," fr	rom beginning of next sentence.	
				EZ			
/PE: TR/technical requ	uired ER/editorial required GR	general required	T/technical E/editorial G/c	ieneral		Pa <b>267</b>	Page 55 of 74

I FPE: TR/lechnical required ER/editorial required GR/gene	Pa <b>26</b> 7	Page 55 01 74	
COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>35</b>	9/18/2015 11:48:17 AM
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C/ <b>33</b> Picard, Je	SC 33.3.5.3	P <b>267</b> Texas Instrum	L 37 nents	# 244	C/ <b>33</b> Yseboodt	SC 33.3.5.3	P <b>267</b> Philips	L <b>40</b>	# 123
Comment		Comment Status A		PD Classification	Comment		Comment Status A		PD Classification
		same requirement as indicate	ed in table 33-16	needs to apply.	"The	PD shall not draw	more power than the power		
Suggeste	dRemedy					D_PD1 to T AUTC V Reset th."	_PD2 (as defined in Table 3	33-17a) at any poi	int until V Port_PD falls
shall	reduce its classifi	plementing Autoclass cation current at TACS (as de	efined in Table 3	3–17a), resulting in a			tiating through DLL.		
	ification ture of '0' (as sho	wn in table 33-16 for type 3)	for the remainde	r of CLASS EV/1 "	Suggeste	dRemedy			
Response		Response Status <b>C</b>			"The	PD shall not draw	more power than the power	consumed during	g the time from T
•	EPT IN PRINCIPI				below	V Reset_th, unle	PD2 (as defined in Table 3 ss the PD successfully nego cation as defined in section	otiates a higher po	
at TA		a PD implementing Autoclass Table 33–17a), resulting in a EV1."			Response ACCE	EPT IN PRINCIPL	Response Status <b>C</b> E.		
with s	suggested remedy	/.			OBE	by 148 (the exact	same comment.)		
CI 33	SC 33.3.5.3	P <b>267</b>	L <b>40</b>	# 71	CI 33	SC 33.3.5.3	P 267	L <b>40</b>	# 148
Yseboodt	, Lennart	Philips			Yseboodt	, Lennart	Philips		
Comment	Туре Е	Comment Status A		Editorial	Comment	Type TR	Comment Status A		PD Classification
	power up, a PD ghout"	implementing Autoclass shall	draw its maxim	um power draw	AUTO		more power than the power PD2 (as defined in Table 3		
2x dra	aw.				This r	precludes re-nego	tiating through DLL.		
00	dRemedy				Suggeste	•			
	power up, a PD	implementing Autoclass shall	draw its highest	required power			more power than the power	consumed during	g the time from T
Response ACCE	9	Response Status C			AUTC below	D_PD1 to T AUTC V Reset_th, unle	PD2 (as defined in Table 3 ss the PD successfully nego cation as defined in section	33-17a) at any poi otiates a higher po	int until V Port_PD falls
EZ					Response	9	Response Status C		
LZ					ACCE	EPT IN PRINCIPL	E.		
					AUTC below adver	D_PD1 to T AUTC V Reset_th, unle	more power than the power PD2 (as defined in Table 3 ss the PD successfully nego er classification, through Da	33-17a) at any poi otiates a higher po	nt until V Port_PD falls ower level, up to the
TYPE: TR	R/technical require	ed ER/editorial required GR/	general required	T/technical E/editorial (	G/general		Pa <b>2</b>	67	Page 56 of 74
		spatched A/accepted R/reje				d 7/with drawn	Li <b>4</b>		9/18/2015 11:

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Cl 33 SC 33.3.5. Picard, Jean	3 P 268 Texas Instrun	L <b>5</b> nents	# 238	<i>Cl</i> <b>33</b> Bennett, K	SC 33	3.3.7	P <b>269</b> Sifos Techno	L <b>35</b> logies, In	# 51
Comment Type TR	Comment Status A	liento	PD Classification	Comment		TR	Comment Status A	logico, in	PD Powe
The PD needs more SuggestedRemedy	margin for TACS to keep comp um value from 84.5 ms to 87.5	-		In iten averag colum	n 4 of tabl ge power" n. It seem	e 33-18 ' to "inpu ns like th	the PClass_PD parameter of the valiable average power". the values for it should be in to wer under worst case conditional to the state of the state	The values for he MIN column	changed from "input it are in the MAX
Response ACCEPT. See comment 239.	Response Status C			The pi "maxii PClas	re-existing num inpu s_PD par	g text in t it power" ameter c	the item 4 info reference, 33 , which does not match eith description in table 33-18.	8.3.7.2, defines er the pre-existi	ng nor the modified
<i>Cl</i> <b>33</b> <i>SC</i> <b>33.3.6</b> Beia, Christian	P <b>268</b> STMicroelect	L 5 ronics	# 54	level,	is shown a	as a Par	problem, which is that PClas rameter in table 33-18, with a	a range within e	ach class.
Comment Type TR Table 33-17a	Comment Status A		PD Classification	sectio	n for PCla	ass, whic	er to present this using the sector specifies values for each N/MAX columns of table 33-	class in a sepa	
The autoclass timing	i, as well as TLCF_PD, introduc be relaxed if the PSE was able			The s		remedy	would not change the conte		e pre-existing
SuggestedRemedy				Suggested	Remedy				
Change Table 33-17 Leave 75.5 as min	item7, TACS max to 86.5			1) Inco	orporate F	PClass_F	PD levels into table 33-16a.		
Response ACCEPT IN PRINCI	Response Status <b>C</b> PLE.						ingle row with the following i _PD"; and MAX="PClass_P		er="Input Average
OBE by 239.				3) Adj	ust refere	nces as	necessary		
	P 268	1 20	# 400	(See b	ennett_P	Class_P	PD.pdf)		
Cl 33 SC 33.3.7 Zimmerman, George	CME Consult	L <b>29</b>	# 166	Response			Response Status C		
		ing		ACCE	PT IN PR		E.		
Comment Type E Somehow the editing "Change Table 33-18	Comment Status A g instruction for Table 33-18 ha g as follows:"	s gotten disass	Editorial ociated from the table	Adopt	changes	shown ir	n:		
-	5 d3 10110W3.			benne	tt Pclass_	_PD rev	1.pdf		
SuggestedRemedy Wrestle with frame s	o the editing instruction stays v	vith the table							
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: Page, Line

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Pickas is defined as a total port power and is described in Equation 33-3 using the PC Classification PClass_PD and the channel loss.       Provide the properties of the power requirement should be applied for class 6 and 8 and define it accordingly for class 5 and 7, as well as for class 6 and 8.         The descriptions for dual-signature PD's use PClass_PD per pairset, and different class at a allowed per pairset.       Response Status C         Suggested/Remedy       Create new dual signature process batus Z       Response Status C         Proposed Response       Response Status A       P270       L1 # 106         Table 33-18.       P170       L1 # 106         Table 33-18.       P180       P101       P101         Suggested/Remedy       Comment Type R       Comment Type T       Comment Type T       Comment Type T         Yeaboodt, Lennart       P110       P106       P106       P106       P106         Suggested/Remedy       Change parameter name in Table 33-18 item 7 for Type 3 and 4:       P10       P106         Suggested/Remedy       Change to XIII       P106       P10       P21       L41       106         Suggested/Remedy       Change to XIII       P100       P2       P2       P21       L41       116         Suggested/Remedy       Change to XIII       P21       L41       116       P2         C 33 <th><i>CI</i> <b>33</b> Bennett, Ke</th> <th>SC <b>33.3.7</b> en</th> <th>P <b>269</b> Sifos Technol</th> <th><i>L</i> <b>35</b> ogies, In</th> <th># 50</th> <th>C/ <b>33</b> Picard, Jea</th> <th>SC <b>33.3.7</b> an</th> <th>P 27 Texas</th> <th><b>'0</b> Instrumer</th> <th>L 13</th> <th>#</th> <th>246</th>	<i>CI</i> <b>33</b> Bennett, Ke	SC <b>33.3.7</b> en	P <b>269</b> Sifos Technol	<i>L</i> <b>35</b> ogies, In	# 50	C/ <b>33</b> Picard, Jea	SC <b>33.3.7</b> an	P 27 Texas	<b>'0</b> Instrumer	L 13	#	246
Classification PClass_PD and the channel loss.         The suggestion is one possible approach to remedy this problem.         SuggestedRemedy         Create new dual signature parameters PClassDS_alta and PClassDS_altb, where PClass, PD = PClassDS_alta and PClassDS_altb, where PClass, PD = PClassDS_altb, Add text in 33.3.7.2 stating that single-signature nules shall apply to each parase in dual signature parameters PClassDS_altb. Add text in 33.3.7.2 stating that single-signature nules shall apply to each parase in dual signature PDS.       Clard how the poak power requirement should be applied for class 6 and 8 and define it accordingly for class 5 and 7, as well as for class 6 and 8.         Proposed Response       Response Status Z       Creater New Voltmont PCL       Clard how the poak power requirement should be applied for class 6 and 8 and define it accordingly for class 5 and 7, as well as for class 6 and 8.         Creater New Voltmont PCL       Classification for class 5 and 7, as well as for class 6 and 8 and define it accordingly for class 5         Creater New Voltmont PCL       Classification for class 6 and 8 and define it accordingly for class 5         Creater New Voltmont PCL       Classification for Class 5 and 7.         Classification for class 6       PCL         Classification PCL       Classification for Class 6         Classification PCL       Classification PCL         Classification PCL       Classification PCL         Classification PCL       Classification PCL         Classification PCL       PCL	Comment 1	Туре Т	Comment Status D		PD Classification	Comment	Type TR	Comment Status	Α			PD Power
The descriptions for dual-signature PD's use PClass_PD per pairset, and different classes are allowed per pairset.       Suggested/Remody         Clarify how the peaks power requirement should be applied for class 6 and 8.       A and define it accordingly for class 5 and 7, as well as for class 6 and 8.         Suggested/Remody       Clarify how the peaks power requirement should be applied for class 6 and 8.         Proposed Response       Response 10.         REJECT       This comment was WITHDRAWN by the commenter.         C133       SC 33.3.7.1       P 270       L1       # 105         Yesboodt, Lennart       Philips       Comment Type 3 and 4. The parameter name 'peak operating power, class 5       To comment Type 3 and 4. The parameter name 'peak operating power, class 5         Suggested/Remedy       Change to All (this is 8 times in table)       Suggested/Remedy         Change to All ('his is 8 times in table)       Suggested/Remedy       Change parameter mame 'n Table 33-18. item 7 for Type 3 and 4:         FEZ       C 33       SC 33.3.7.3       P 271       L 4.1       # 105         EZ       C 33       SC 33.3.7.3       P 271       L 4.1       # 105         Suggested/Remody       Change to All ('his is 8 times in table)       Suggested/Remody       Comment Type Trance to all the set of all class 5.       C         EZ       C 33       SC 33.3.7.3       P 271       L				bed in Equatior	1 33-3 using the PD	Ppeak	_PD is not ment	ioned for class 6-8				
are allowed per pairset. The suggestion is one possible approach to remedy this problem. SuggestedRemedy Create new dual signature parameters PClassDS_alta and PClassDS_alta, where PClass_PD = PClassDS_alta + PClassDS_alta. Add text in 33.7.2 stating that single- signature rules shall apply to ach pairset in dual signature PDS. REJECT. This comment was WITHDRAWN by the commenter. Cf 33 SC 33.3.7.1 P 270 L1 # 106 Yaeboodt, Lennart Philips Comment Type ER Comment Status A PD Power Table 33-18. 1.2.3.4 is not consistent, change to All (this is 8 times in table) SuggestedRemedy change to 'All' - tern 5, Item 8, Item 10, Item 11 (2x), Item 12. Item 13 Response Response Status C ACCEPT. EZ Cf 33 SC 33.3.7.3 P 271 L41 # 149 Yaeboodt, Lennart C Thrush-2P min, Class 5 to 8. Response Response Status C ACCEPT. EZ Cf 33 SC 33.3.7.3 P 271 L41 # 149 Yaeboodt, Lennart C Thrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18." Discomment Type TR Comment Status A PD Power Table 33-18. Carter to 'All' - Item 5, Item 8, Item 9, Item 10, Item 11 (2x), Item 12. EZ Cf 33 SC 33.3.7.3 P 271 L41 # 149 Yaeboodt, Lennart C Thrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18." SuggestedRemedy Change to 'All' - Item 5, Item 8, Item 9, Item 10, Item 11 (2x), Item 13. Response Response Status C ACCEPT. EZ Cf 33 SC 33.3.7.3 P 271 L41 # 149 Yaeboodt, Lennart C Thrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18." SuggestedRemedy Change to 'All' - Item 5, Item 7, Item	Classif	ication PClass_	PD and the channel loss.			Suggested	lRemedy					
The suggestion is one possible approach to remedy this problem. SuggestidRemony Chase De Policas/DS_atta and POlaseDS_alta, where PClase_DP = PClaseDS_atta and POlaseDS_alta, and PClaseDS_alta, and PClas			5	s_PD per pairse	t, and different classes						6 and 8 a	nd define it
StagestedRenedy         Create new dual signature parameters PClassDS, alta and PClassDS, alta, and toxi in 33.3.7.2 stating that single- signature rules shall apply to each pairset in dual signature PDs.         Proposed Response       Response Status Z         REJECT.       This comment was WITHDRAWN by the commenter.         C1 33       SC 33.3.7       P 270       L 1       # 106         Veshcotd, Lennart       Philips       PD Power         Comment Type       ER       Comment Status A       PD Power         Table 33-18.       PD Power       Table 33-18 item 7 for Type 3 and 4:: The parameter name 'peak operating power, class 5:         SuggestedRemedy       Change parameter name in Table 33-18 item 7 for Type 3 and 4:: Form: peak operating power, class 5 to 8:         SuggestedRemedy       Change parameter name in Table 33-18 item 7 for Type 3 and 4:: The peak operating power, class 5 to 8:         SuggestedRemedy       Change to "All"         change to "All"       EZ         EZ       C3 3 SC 33.3.7.3       P 271       L 41       # 149         Yesboodt, Lennart       Philips       Comment Type       TR       Comment Status A       PD Power         StagesterRemedy       Change to "All"       StagesterRemedy       Comment Type       TR       Comment Type       TR       Comment Type       TR       Comment Status A	The su	ggestion is one	possible approach to remedy	this problem.		•			С			
Create new dual signature parameters PClassDS_ath: add text in 33.3.7.2 stating that single- signature rules shall apply to each pairset in dual signature PDs.       2000 Control 100	Suggestedl	Remedy				ACCE	PT IN PRINCIPL	-E.				
signature rules shall apply to each pairset in dual signature PDs. C 33 SC 33.3.7 P 270 L 24 # [2 Proposed Response Response Status Z REJECT. This comment was WITHDRAWN by the commenter. 2/33 SC 33.3.7 P 270 L 24 # [2 Darshan, Yair Microsemi Comment Type T Comment Status A PD Power Table 33.18 item 7 for Type 3 and 4: The parameter name "peak operating power, class 5": 1,2,3,4 is not consistent, change to All (this is 8 times in table) Suggested/Remedy change to 'All' - Item 5, Item 9, Item 10, Item 11 (2x), Item 12, Item 13 Response Response Status C ACCEPT. EZ C 33 SC 33.3.7 P 270 L 24 # [2 C 33 SC 33.3.7 P 270 L 24 # [2 Darshan, Yair Microsemi Comment Type T Comment Status A PD Power Table 33-18 item 7 for Type 3 and 4: The parameter name "peak operating power, class 5 To: peak operating power, class 5 To: peak operating power, class 5 to 8. Response Response Status C ACCEPT. EZ C 33 SC 33.3.7.3 P 271 L 41 # [149 Yseboodt, Lennart Philips Comment Type TR Comment Status A PD Power "After T Inrush-2P min, the PD shall meet P Class PD as specified in Table 33-18." Disalows extended power. Suggested/Remedy "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PD shall meet P Class. PD as specified in Table 33-18." Disalows extended power. Suggested/Remedy "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PD shall meet P Class. PD as specified in Table 33-18." Disalows extended power. Suggested/Remedy "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PD shall meet P Class. PD as specified in Table 33-18." Disalows extended power. Suggested/Remedy "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PD shall meet P Class. PD as specified in Table 33-18." Disalows extended power. Suggested/Remedy "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PD shall meet P Class. PD	Create	new dual signa	. –		<b>—</b> <i>i</i>	OBE b	y comment 12					
Proposed Response       Response Status Z         REJECT.       This comment was WITHDRAWN by the commenter.         C133       SC 33.3.7.1       P 270       L 1       # 106         Schoodt, Lennart       Philips       To Comment Status A       PD Power         Table 33-18.       Table 33-18.       To Comment Status A       PD Power         Table 33-18.       Comment Status A       PD Power         Table 33-18.       Table 33-18.       To Comment Status A       PD Power         Table 33-18.       Table 33-18.       To Comment Status A       PD Power         Table 33-18.       Table 33-18.       To Comment Status A       PD Power         Table 33-18.       Table 33-18.       To Comment Status A       PD Power         Table 33-18.       Table 33-18.       To Comment Status A       PD Power         ACCEPT.       EZ       C133       SC 33.3.7.3       P 271       L 41       I 149         Yseboodt, Lennart       Philips       PD Power <td></td> <td>_</td> <td></td> <td></td> <td>2 stating that single-</td> <td>C/ 33</td> <td>SC 33.3.7</td> <td>P 27</td> <td>0</td> <td>L <b>24</b></td> <td>#</td> <td>12</td>		_			2 stating that single-	C/ 33	SC 33.3.7	P 27	0	L <b>24</b>	#	12
REJECT.         This comment was WITHDRAWN by the commenter.         27 33       SC 33.3.7.1       P 270       L 1       # 106         28 sebodt, Lennart       Philips       PD Power         Table 33-18.       1.2.3.4 is not consistent, change to All (this is 8 times in table)       PD Power         SuggestedRemedy change to "All"       • 100       Comment Type       Response Status C         ACCEPT.       EZ       Comment Type TR       Comment Type TR       Comment Type TR         EZ       Comment Type TR       Comment Type TR       Comment Type TR       Comment Type TR         Comment Type TR       Comment Type TR       Comment Type TR       Comment Type TR       PD Power         EZ       Comment Type TR       PD Power         "SuggestedRemedy"       • 11 (2.5), Item 12, Item 13       SC 33.7.3       P 271       L 41       # 149         "Yeeboodt, Lennart       Philips       PD Power       * SuggestedRemedy       * Sugge	U					Darshan, Y	/air	Micros	emi			
This comment was WITHDRAWN by the commenter. It is comment was WITHDRAWN by the commenter. It is true for all classes above class 5 and not just class 5. It is true for all classes above class 5 and not just class 5. SuggestedRemedy L1 # 106 Table 33-18. 1,2,3,4 is not consistent, change to All (this is 8 times in table) WaggestedRemedy change to "All" - Item 5, Item 9, Item 10, Item 11 (2x), Item 12, Item 13 Terponse Response Status C ACCEPT. EZ I 3 SC 33.3.7.3 P21 L41 # 149 Yeboodt, Lennart Philips Comment Status A PD Power "Atter T Inrush-2P min, the PD shall meet PClass B PDs shall meet PClass at the PSE PI; all other PD Power "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet PClass at the PSE PI; all other PD Power "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet PClass at the PSE PI; all other PD Power "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet PClass at the PSE PI; all other PD Shall meet P Class_PD as specified in Table 33-18." Response Response Status C ACCEPT.	•					Comment	Туре Т	Comment Status	Α			PD Power
Isseboodt, Lennart       Philips         Comment Type       ER       Comment Status       A         Table 33-18.       1,2,3,4 is not consistent, change to All (this is 8 times in table)       Dependence         UggestedRemedy       change to "All"       - Item 5, Item 8, Item 9, Item 10, Item 11 (2x), Item 12, Item 13         Response       Response Status       C         ACCEPT.       EZ       Cl 33       SC 33.3.7.3       P 271       L 41       # 149         Yseboodt, Lennart       Philips       Comment Type       TR       Comment Status       A       PD Power         EZ       Visions extended power, class 5 to 8.       Response       Response       Response       Response       Response       C         EZ       Cl 33       SC 33.3.7.3       P 271       L 41       # 149         Yseboodt, Lennart       Philips       Comment Type       TR       Comment Status       A       PD Power         "After T Inrush-2P min, The PD shall meet P Class 8 to Class 8 PDs shall meet PClass at the PSE PI; all other PDs shall meet P Class 6 or Class 8 PDs shall meet PClass at the PSE PI; all other PDs shall meet P Class 5 Ta.*       Response       Response Status       C         ACCEPT.       SuggestedRemedy       "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet PClass at the PSE PI; all other PDs shall meet P C	This co	omment was WI	THDRAWN by the commente	er.							erating po	ower, class 5":
Comment Type       ER       Comment Status       A       PD Power       From: 1       peak operating power, class 5       To: peak operatin	33	SC 33.3.7.1	P 270	L1	# 106	Suggested	Remedy					
Comment Type       ER       Comment Status       A       PD Power         Table 33-18.       Table 33-18.       peak operating power, class 5 to 8.         SuggestedRemedy       change to "All"       .         - Item 5, Item 8, Item 9, Item 10, Item 11 (2x), Item 12, Item 13       Response       Response Status       C         ACCEPT.       C/ 33       SC 33.7.3       P 271       L 41       # [149]         Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       A         PD Power       "After T Inrush-2P min, the PD shall meet P Class 4 the PSE PI; all other PD sas specified in Table 33-18."       PD Power         "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet Pclass at the PSE PI; all other PD shall meet P Class A the PSE PI; all other PD shall meet P Class A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass at the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to Shall meet Pclass A the PSE PI; all other PD shall meet P Class B to C ACCEPT.	seboodt, l	Lennart	Philips					ne in Table 33-18 iten	n 7 for Typ	e 3 and 4:		
uggestedRemedy       change to "All"         - Item 5, Item 8, Item 9, Item 10, Item 11 (2x), Item 13         Desponse       Response Status C         ACCEPT.         EZ         C/ 33       SC 33.3.7.3       P271       L 41         C/ 33       SC 33.3.7.3       P271       L 41         EZ       C/ 33       SC 33.3.7.3       P271       L 41         Sebeponse       Response Status C       C       C/ 33       SC 33.3.7.3       P271       L 41       # [49]         EZ       Comment Type       TR       Comment Status A       PD Powee         "After T Inrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18."       Disallows extended power.         SuggestedRemedy       "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet Pclass at the PSE PI; all other         "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet Pclass at the PSE PI; all other         PD shall meet P Class_PD as specified in Table 33-18."         Response       Response Status C         ACCEPT.       ACCEPT.			Comment Status A		PD Power	peak o		class 5				
change to "All" - Item 5, Item 8, Item 10, Item 11 (2x), Item 12, Item 13 Response Response Status C ACCEPT. EZ	1,2,3,4	is not consister	nt, change to All (this is 8 time	es in table)		peak o	operating power,	class 5 to 8.				
Response       Response Status       C         ACCEPT.       CI 33       SC 33.3.7.3       P 271       L 41       # [49]         EZ       CI 33       SC 33.3.7.3       P 271       L 41       # [49]         Seboott, Lennart       Philips       PD Power         "Atter T Inrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18."       Disallows extended power.         SuggestedRemedy       "Atter T Inrush-2P min, Class 6 or Class 8 PDs shall meet Pclass at the PSE PI; all other PDs shall meet P Class_PD as specified in Table 33-18."         Response       Response Status       C         ACCEPT.       ACCEPT.       ACCEPT.	change	e to "All"	) Itom 10, Itom 11 (2v), Itom .	12 Itom 12		•		Response Status	С			
ACCEPT.       C/ 33 SC 33.3.7.3       P 271       L 41       # 149         EZ       Yseboodt, Lennart       Philips         Comment Type       TR       Comment Status       A       PD Powe         "After T Inrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18."       Disallows extended power.       SuggestedRemedy         "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PDs shall meet P Class_PD as specified in Table 33-18."       Response       Response Status       C         ACCEPT.       ACCEPT.       ACCEPT.       ACCEPT.       C       ACCEPT.		5, item 6, item s		12, item 13		EZ						
EZ Yseboodt, Lennart Philips Comment Type TR Comment Status A PD Powe "After T Inrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18." Disallows extended power. SuggestedRemedy "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet P Class at the PSE PI; all other PDs shall meet P Class_PD as specified in Table 33-18." Response Response Status C ACCEPT.	•	PT.	Response Status			C/ 33	SC 33.3.7.3	P 27	'1	L <b>41</b>	#	149
Comment Type       TR       Comment Status       A       PD Powee         "After T Inrush-2P min, the PD shall meet P Class_PD as specified in Table 33-18."       Disallows extended power.         SuggestedRemedy       "After T Inrush-2P min, Class 6 or Class 8 PDs shall meet Pclass at the PSE PI; all other PDs shall meet P Class_PD as specified in Table 33-18."         Response       Response Status       C         ACCEPT.       ACCEPT.												110
"After T Inrush-2P min, Class 6 or Class 8 PDs shall meet Pclass at the PSE PI; all other PDs shall meet P Class_PD as specified in Table 33-18." <i>Response Response Status</i> <b>C</b> ACCEPT.	ΕZ					"After	T Inrush-2P min,	, the PD shall meet P		as specified	n Table 3	<i>PD Power</i> 3-18."
PDs shall meet P Class_PD as specified in Table 33-18." <i>Response Response Status</i> <b>C</b> ACCEPT.						Suggested	Remedy					
ACCEPT.											the PSE	PI; all other
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Image: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/generalPa 271Page 58 of 74		technical require	ed ER/editorial required GR/	general required	t T/technical F/editorial G/	neneral			Pa <b>271</b>		F	Page 58 of 74

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CI 33	SC 33.3.7.3	P 271	L <b>41</b>	# 29	
Darshan,	Yair	Microsemi			
Commen	t Type TR	Comment Status A		Pres: Y	air1
claus The r powe unsu It will 1.Inc text o	e 33.3.7.3 in IEEE eason for text cha r above type 1 pov ccessful startup. be shown that the ludes incorrect des lescribing the endi	mment is to restore some of 802.3bt clause 33.3.7.3 (san nges in 802.3bt was the cond wer while PD is still in POWE new version in 802.3bt: scription of linrush process e ng point is correct. ady resolved in existing text	ne location) line cern that PD ve R-UP mode wh nding point whi	es 39-41. ndors will consume nich will cause le in 2012 version the	:
parts 33.3. [Part	e.g. [ Part A]: 7.3 Input inrush cu A] Inrush current p	in 802.3bt clause 33.3.7.3 p nrrent per pairset is drawn beginning ith Vport_PD-2P requirement	g with the appli	cation of input voltage	at

[Part B] and ending before TInrush-2P min per Table 33-11.

[Part C] After TInrush-2P min, the PD shall meet PClass\_PD as specified in Table 33-18.

Part D] Type 2, Type 3 and Type 4 PDs with pse\_power\_leveltype state variable set to 2, 3 and 4 respectively prior to power-on shall behave like a Type 1 PD for at least Tdelay-2P min. Tdelay-2P for each pairset starts when VPD-2P crosses the PD power supply turn on voltage, VOn\_PD. This delay is required so that the Type 2, Type3 and Type 4 PD does not enter a high power state before the PSE has had time to switch current limits on each pairset from Ilnrush-2P to ILIM-2P.

[Part A] is correct description of the starting point of linrush process in the PD.

[Part B] is incorrect description of the ending point of linrush process in the PD. The end point of inrush process depends only on PD physics and not anything else e.g. PSE linrush timer.

It is true that Inrush need to be ended before TInrush-2P min per Table 33-11 but it needs to be in separate sentence and not as part of the description of the end point of the Inrush process.

The end point of the inrush process can be only when Cport is get to steady state by having Cport to be charged to 99% of its final value.

The end point and the requirements for the linrush duration are described accurately in IEEE802.3-2012 version:

"and ending when CPort is charged to 99 % of its final value. This period should be less than TInrush min per Table 33-11."

[Part C] This part resolves the concern by requiring PD to meet PClass\_PD as specified in Table 33-18 only after TInrush-2P min.

[Part D] This part also resolves the concern for Type 2 and above by waiting Tdelay before PD can consume more than Type 1 power.

Summary: The only problem with the current text of 802.3bt is the mixing between the

Inrush end point process description and the requirement that the process will be ended within Tinrush minimum.

See detailed analysis in darshan\_01\_0915.pdf, titled: "Only PD affects PD POWERUP Tinrush max (Not the PSE Tinrush Timer).

### SuggestedRemedy

1) Change lines 26-27 from:

33.3.7.3 Input inrush current

Inrush current per pairset is drawn beginning with the application of input voltage at the pairset compliant with Vport\_PD-2P requirements as defined in Table 33-18, and ending before TInrush-2P min per Table 33-11.

After TInrush-2P min, the PD shall meet PClass\_PD as specified in Table 33-18.

### To:

Inrush current is drawn during the startup period beginning with the application of input voltage at the PI compliant with VPort\_PD-2P requirements as defined in Table 33-18, and ending when CPort has reached a steady state and is charged to 99 % of its final value. This period shall be less than TInrush min per Table 33-11. After TInrush-2P min, the PD shall meet PClass PD as specified in Table 33-18.

(2) To consider to add the following note after line 50 that address the concerns in details and supply design guide lines.

Note: For successful startup, a PSE supplying linrush-2P minimum value and a PD not drawing more than Type 1 maximum DC current results in stable voltage ramping across the PD input capacitor which is important for successful POWER UP. In addition, Cport value and PD load current may be time dependent. As a result PD implementers need to ensure that for any combinations of Cport and Type 1 maximum DC current during POWERUP, the PD inrush period does not exceed 50msec and that higher PD load power is used only after Tdelay.

### Response Response Status C

ACCEPT IN PRINCIPLE.

1) Change lines 26-27 from:

33.3.7.3 Input inrush current

Inrush current per pairset is drawn beginning with the application of input voltage at the pairset compliant with Vport\_PD-2P requirements as defined in Table 33-18, and ending before TInrush-2P min per Table 33-11.

After TInrush-2P min, the PD shall meet PClass\_PD as specified in Table 33-18.

### To:

Inrush current is drawn during the startup period beginning with the application of input voltage at the PI compliant with VPort\_PD-2P requirements as defined in Table 33-18, and ending when CPort has reached a steady state and is charged to 99 % of its final value. This period should be less than Tinrush min per Table 33-11.

After Tinrush-2P min, the PD shall meet Pclass\_PD as specified in Table 33-18.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>271</b>	Page 59 of 74
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>41</b>	9/18/2015 11:48:17 AM
SORT ORDER: Page, Line		

	SC 33.3.7.3	P 271	L <b>48</b>	# 72		33.3.7.5	P 273	L <b>33</b>	# 183
Yseboodt, Len	nart	Philips			Zimmerman, Geor	ge	CME Consultir	ng	
Comment Type	e E	Comment Status A		Editorial	Comment Type		omment Status A		PD Power
"Type3" is	missing space	ce					he PI is static and in the		
SuggestedRer	nedy						drawn by the PD shall no t exceed 4.70 mA/us in o		
"Type 3"					conditions."				·
Response		Response Status C			First now that	we have 4 nai	rs, this leaves the reade	r to have to ass	sume whether for single
ACCEPT.					signature PDs	the 4.70 mA/u	is applies to the sum of		
EZ						ne it is to the s vorded awkwar	um of the 2 pairsets. dly.		
CI 33 S	SC 33.3.7.3	P 272	L 8	# 6	SuggestedRemed	У			
Darshan, Yair		Microsemi					age at the PI is static ar		
Comment Type	e E	Comment Status A		Editorial			urrent drawn by the PD s shall not exceed 4.70 m		
51		nents are specified in 33.2.7.6	5"		the same cond		Shail hot exceed 4.70 h		bolanty per panset in
It is 33.3.7					1.				
SuggestedRer	nedy				to				
Change 33	3.2.7.6 to 33.3	3.7.6.					e PI is static and in the		
Response		Response Status C					drawn by the PD shall no is requirement applies to		
ACCEPT.							PD this requirement ap		
EZ					Response	Res	sponse Status <b>C</b>		
CI 33 S	SC 33.3.7.4	P 273	L <b>23</b>	# 245	ACCEPT IN P				
Picard, Jean		Texas Instrum	ents						
Comment Type	e TR	Comment Status A		PD Power	Change to:				
		on for class 6 and 8 is not co	nsistent with st	atement of page 272			e PI is static and in the		
line 20 (ret	ferring to PSE	E Pclass).					urawn by a single-signat ure PD shall not exceed		t exceed 4.70 mA/us in
SuggestedRer	,					the same cond		4.7 0 m/ vuo m v	sitile polarity per
Clarify hov	w the peak po	wer definition should be appl	ed for class 6 a	and 8.					
Response		Response Status C							
ACCEPT I	IN PRINCIPL	E.							
No change	es to the draft	. Remedies will be welcome							
0									

Pa **273** Li **33** 

CI 33	SC 33.3.7.6	P 275	L <b>5</b>	# 232	CI 33	SC 33.3.7.	6 P 275	L 16	#	203	
Schindler, F	red	Seen Simply			Dwelley, I	inology					
Comment T	ype TR	Comment Status A		Pres: Fred1	Comment	tType E	Comment Status A			Pres: Fred1	
New PD	D Types need to	have their current demands of	constrained.			text needs impr	0				
should I This se	entation will be p have the same ction is based o	provided that cover why this se constrains placed on them. E n work done in IEEE 802.3at	Baseline text ma see		requir class pairse has n to ea	rement for Cpor 0 to 4 shall me et. For class 5 a to further require ch pairset. For c	single-signature Type 3 PDs t as defined in Table 33–18 it et the requirement for Cport a nd 6 single-signature PDs, if ements. For dual-signature cl class 7 and 8 single signature er requirements. See 33.2.7.	em 9. Type 3 dua as defined in Table CPort_min = 10µl ass 5 PDs, this re PDs, if CPort_min	al-signature e 33–18 ite F, transien ecommenda in = 20µF, t	PDs with m 9 for each it behavior ation applies transient	
http://w	ww.ieee802.org	/3/at/public/2007/05/avetteth_	0507.pdf		Suggeste	dRemedy					
http://w	ww.ieee802.org	/3/at/public/2007/03/schindler	_1_0307.pdf			ge to:		<i>.</i>			
							"A PD shall continue to operate normally in the presence of transients at the PSE P defined in 33.2.7.2. A single-signature PD shall include Cport >= Cport_min as defir Table 33–18 item 9. A dual-signature PD shall meet this requirement for each pairs Class 0-4 PDs, no further considerations are required to maintain operation during F transients.				
Strike E "2. A dr	Editor's Note on op out specifica	page 275, line 13. tion needs to be added to this . This is in place of increasing	section that re	equires PDs to	PDs v opera requi	with power draw ation during PSE rement with CPo	greater than Class 4 may re transients. Class 5 and 6 sir ort_min = 10µF. Class 5 dual- pairset. Class 7 and 8 single	ngle-signature PD -signature PDs sh	s can typic ould incluc	cally meet the de these	

#### Response Response Status C

requirement with CPort\_min = 20µF."

ACCEPT IN PRINCIPLE.

Change to:

"A PD shall continue to operate without interruption in the presence of transients at the PSE PI as defined in 33.2.7.2. A single-signature PD shall include Cport as defined in Table 33–18 item 9. A dual-signature PD shall meet this requirement for each pairset.

PDs with power draw greater than Class 4 may require extra capacitance to maintain operation during PSE transients. Class 5 and 6 single-signature PDs will meet the requirement with Cport >=  $10\mu$ F. Class 5 dual-signature PDs should include these Cport values at each pairset. Class 7 and 8 single signature PDs will meet this requirement with Cport >=  $20\mu$ F."

Pa **275** Li **16** 

C/ 33 SC 33.3.7.6	P 275	L 16	# 179	C/ 33	SC 33.3.7.6	P 275	L 17	# 173
immerman, George	CME Consulting	g			an, George	CME Cor	suiting	
requirement for Cport a	Comment Status <b>D</b> ngle-signature Type 3 PDs wit s defined in Table 33–18 item the requirement for Cport as d	9. Type 3 dua	al-signature PDs with	require class (	1, Type 2, and s ement for Cport a 0 to 4 shall meet		3 item 9. Type 3 dua	al-signature PDs with
5	to Table 33-18 item 9, and no they relate to transients, but a				se there are clas	13a, there are no class 0 s 0 Type 1 PDs)	Type 3 PDs. (the fi	rst sentence is OK
uggestedRemedy					•	ignature PDs with class (	to 4" to "Type 3 du	al-signature PDs with
	of first paragraph of 33.3.7.6,			class		ignature i De min clace e		
	DR, split Item 9 of Table 33-18 -4, and one for Type 3/DS PD			Response		Response Status C		
	8 and not 33.3.7.6 as well)			ACCE	PT IN PRINCIPI	_E.		
roposed Response REJECT.	Response Status Z			OBE b	oy 150.			
				EZ				
This comment was WIT	HDRAWN by the commenter.			C/ 33	SC 33.3.7.6	P 275	L 18	# 180
<b>33</b> SC <b>33.3.7.6</b> seboodt, Lennart	P <b>275</b> Philips	L <b>17</b>	# 150	Zimmerma	an, George	CME Cor		
omment Type <b>TR</b> Topic: Class 0 / Type 3 "Type 3 dual-signature	Comment Status A removal PDs with class 0 to 4 shall"		PD Power	confus	nents excluding sing, and do not	Comment Status D PDs with CPort_min value appear to apply to any ex in the section are for TY	isting requirements,	
uggestedRemedy "Type 3 dual-signature	PDs with class 1 to 4 shall"					gle-signature PDs, if CPo For dual-signature class 5		
Pesponse ACCEPT.	Response Status C					d 8 single signature PDs, s. See 33.2.7.2 (TBD) or	_	-
				Suggested	lRemedy			
EZ				are be	ing excluded fro	n editor's note, and explici m, including what needs t out' specification?)		
				Proposed REJE	•	Response Status Z		
				This c	omment was WI	THDRAWN by the comm	enter.	
				Task F	Force to discuss			
(PE: TR/technical required	d ER/editorial required GR/qe	eneral require	d T/technical E/editorial G/o	neneral		Pa	275	Page 62 of 74

Cl 33     SC 33.3.7.6     P 275     L 29     # 39       Darshan, Yair     Microsemi	C/ 33         SC 33.3.7.6         P 275         L 34         # 124           Yseboodt, Lennart         Philips
Comment Type       TR       Comment Status D       Pres: Fred1         There is some confusion in this text (lines 28-29):       - A Type 1 PD input current shall not exceed the PD upperbound template (see Figure 33-18) after TLIM min (see Table 33-11 for a Type 1 PSE)	Second, Leman       Primps         Comment Type       T       Comment Status       A       Pres: Fred1         "A Type 2 PD shall meet both of the following:       a) The PD input current spike shall not exceed 2.5 A and shall settle below the PD upperbound template (see Figure 33-18) within 4 ms. During this test, the PD PI voltage is driven from 50 V to 52.5 V at greater than 3.5 V/ms, a source impedance of 1.5 , and a source that supports a current greater than 2.5 A.\         b) The PD shall not exceed the PD upperbound template beyond T LIM min under worst-case current draw under the following conditions. The input voltage source drives V PD from V Port_PSE min to 56 V at 2250 V/s, the source impedance is R Ch (see Table 33-1), and the voltage source limits the current to MDI I LIM per Equation (33-14)."         Does not support new Types.         SuggestedRemedy         "A Type 2, Type 3 or Type 4 PD shall meet both of the following: a) The PD input current spike shall not exceed 2.5 A **per pairset** and shall settle below the PD upperbound template (see Figure 33-18) within 4 ms. During this test, the PD PI voltage is driven from 50 V to 52.5 V at greater than 3.5 V/ms, a source impedance of 1.5 ohm **divided by the number of pairsets**, and a source that supports a current greater than 2.5 A **per pairset**.
	<ul> <li>b) The PD shall not exceed the PD upperbound template beyond T LIM min under worst-case current draw under the following conditions. The input voltage source drives V PD from V Port_PSE min to 56 V at 2250 V/s, the source impedance is R Ch ** per pairset** (see Table 33-1), and the voltage source limits the current to MDI I LIM per Equation (33-14)."</li> <li>Response Response Status C ACCEPT IN PRINCIPLE.</li> <li>OBE by 232</li> </ul>

Pa **275** Li **34** 

C/ 33 SC 33.3.7.6 Yseboodt, Lennart	<i>P</i> <b>275</b> Philips	L <b>49</b>	# 125	C/ <b>33</b> SC <b>33.3</b> Darshan, Yair	<b>.7.6</b> <i>P</i> <b>275</b> Microsemi	L 1622	# 7
Comment Type <b>T</b> Equation 33-14 has the Is that 5mA or 5 A ?	Comment Status A constant 5.00 in without me	ntioning the dim	Pres: Fred1 ension.	Comment Type E This text applies t start in new row.	Comment Status <b>A</b> o different scenarios and for easy	reading each sce	Pres: Fred nario may need to
SuggestedRemedy Add correct dimension t Response ACCEPT IN PRINCIPLE Make "5.00", "5.00 mA"	Response Status C			requirement for C class 0 to 4 shall pairset. For class has no further rec	nd single-signature Type 3 PDs w port as defined in Table 33.18 iter meet the requirement for Cport as 5 and 6 single-signature PDs, if C uirements. For dual-signature clas	n 9. Type 3 dual-s defined in Table 3 Port_min >=10uf, ss 5 PDs, this reco	ignature PDs with 33.18 item 9 for each transient behavior ommendation applies
C/ 33 SC 33.3.7.6 Zimmerman, George	P <b>275</b> CME Consulti	L <b>54</b> ng	# 171		or class 7 and 8 single signature F urther requirements. See 33.2.7.2		
the preceding text says SuggestedRemedy	– notation for MDI I_LIM-2P (p d MDI I_LIM-2P <i>Response Status</i> <b>C</b>	,	Pres: Fred1	Type 1, Type 2, a requirement for C Type 3 dual-signa defined in Table 3 For class 5 and 6 further requireme For class 5 and 6 behavior has no f For class 7 and 8 further requireme See 33.2.7.2 (TB	dual-signature PDs, if CPort_min urther requirements. single signature PDs, if CPort_mi	n 9. eet the requireme in >=10uf, transier >=10uf for each p	nt for Cport as nt behavior has no airset, transient
002 07 202				Response ACCEPT IN PRIN OBE by 203	Response Status C		

Pa **275** Li **1622** 

Cl <b>33</b> Picard, Jear	SC 33.3.7.10	P <b>276</b> Texas Instrur	L 37	# 248	C/ <b>33</b> SC <b>33.3.7.</b> Darshan, Yair	10 P 276 Microsemi	L 38	# 34
Comment T ICON_2 2.5m ca interope SuggestedF If test c sufficien Response ACCEP Add edi	ype <b>TR</b> 2P max for class able) due to diod erability problem Remedy onditions remain nt margin. If not T IN PRINCIPLI tor's note below	Comment Status A 5 and 6 may be too tight to e mismatch (including temp s in the field related to diode the same, need to verify an the case, increase its value Response Status C E.	pass the test de erature difference e selection. and confirm if ICC accordingly.	ces). To avoid later	Comment Type TR Referring to the text: All Class 5 and higher pairset when tested a 	Comment Status D er PDs shall not exceed Icon-2F according to section 33.3.7.10.7 Icon-2P_unb for all classes ab P need to be met for extended meeting (2) as regard to E2EP er PDs shall not exceed Icon-2F according to section 33.3.7.10.7 er PDs operating in non exteder ed Icon-2P-unb (Table 33–11, 33.3.7.10.1.	1. pove class 5 inc 2PRunb effect. P-unb (Table 33 1. d power mode o item 4a) on eith for PD PI for m	luding for extended s well. 3–11, item 4a) on either or extended power her pairset when tested
					Proposed Response REJECT. This comment was V	Response Status Z	er.	

Extended power is not mentioned anywhere in the standard. Also, the change does not add anything as all Class 5 and higher PDs includes those using extended power.

Pa **276** Li **38** 

Cl 33 SC 33.3.7.1 Darshan, Yair	0 <i>P</i> 276 Microsemi	L <b>40</b>	# 8	C/ 33 SC 33.3.8 Yseboodt, Lennart	P <b>279</b> Philips	L <b>23</b>	# 126
 It should be Annex 33	Comment Status <b>A</b> esign guide lines for meeting th BA.5 and not Annex A.	ne above requir	<i>Edit</i>				PD MPS
To:	esign guide lines for meeting th design guide lines for meeting <i>Response Status</i> <b>C</b>	·		function. SuggestedRemedy Replace "If no long fi	t by using the PD variable 'show irst class event" by "short_mps class event (T_LCF)" by "short <i>Response Status</i> <b>C</b>	= FALSE"	I by the do_class_timing
EZ C/ 33 SC 33.3.7.1 /seboodt, Lennart	<b>0.1</b> <i>P</i> <b>277</b> Philips	L 8	# 73	Is this reflected in sta <i>Cl</i> 33 <i>SC</i> 33.4. Zimmerman, George	ate diagram. <i>P</i> <b>281</b> CME Consult	L 37	# [162
Comment Type E Additional info is emp SuggestedRemedy Put "See Annex 33A. Response ACCEPT. EZ	Comment Status A ty for Rpair(min) and Rpair(ma 5" in both Response Status C	іх).	PD Po	Comment Type TR Equation 33-16"fo While this is the spen not consistent with th (it is unclear yet wha SuggestedRemedy Insert after line 43, (e "Bal(f) >= 48 dB (1<=		use 55.8.2.2.	AE
Cl 33 SC 33.3.8 Yseboodt, Lennart Comment Type E	P <b>278</b> Philips Comment Status A	L 18	# <u>74</u> Edit	for a 10GBASE-T P	10(f/50) (30<= f < 500 MHz) HY." <i>Response Status</i> <b>C</b>		
"of th MPS" is misspe SuggestedRemedy change to: "of the MP							
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: Page, Line

Pa **281** Li **37** 

C/ <b>33</b>	SC 33.4.6	P 285	L <b>3</b>	# 75	C/ 33	SC 33.4.9.1.1	P 289	L <b>3</b>	# 78
Yseboodt,		Philips			Yseboodt,		Philips		
Comment no spa		Comment Status A and bracket (two times)		Editorial	<i>Comment</i> Straig		Comment Status D inconsistent with rest of do	cument.	Editorial
Suggested Add sj	<i>Remedy</i> pace. De-italicize	'for'.			Suggested Chang	•	to curly brackets and add	dimension afte	r brackets (dB).
Response ACCE		Response Status C			Proposed REJE	<i>Response</i> CT.	Response Status Z		
EZ					This c	omment was WIT	HDRAWN by the comment	er.	
CI 33	SC 33.4.6	P 285	L 11	# 175					
Zimmerma	an, George	CME Consulti	ng		NonE				
Comment	Туре Т	Comment Status A		AES	C/ 33	,			
DM noise for 10GBASE-T under 1 MHz is still to be defined. capping it at the 1MHz level should be more than sufficient to protect the system. Further, the 100BASE-T and 1000BASE-T DM noise is only specified down to 1MHz, so to be consistent, leave the spec as written.						SC 33.4.9.1.1 Lennart Type E	P 289 Philips Comment Status D	L <b>3</b>	# 77 Editorial
Suggested		ec as whiten.				• •	pefore 'for' and bracket (two	times)	
	e editor's note.				Suggested	Remedy			
Response		Response Status <b>C</b>			Add s	pace. De-italicize '	for'.		
ACCE					Proposed		Response Status Z		
EZ					REJE	CT.			
C/ 33 Yseboodt,	SC 33.4.9.1.1 Lennart	P <b>288</b> Philips	L <b>47</b>	# 76	This c	omment was WIT	HDRAWN by the comment	er.	
<i>Comment</i> No dir	<i>Type</i> <b>E</b> nension for NEXT	Comment Status D		AES	NonEa	asy			
Suggested Repla	-	nd Crosstalk loss" with "is the	Near End Cr	osstalk loss in dB"					
Proposed REJE	•	Response Status Z							
This c	omment was WIT	HDRAWN by the commente	r.						

NonEasy

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

Pa **289** Li **3** 

C/ 33 SC 33.4.9.1 Yseboodt, Lennart	I <b>.1</b> <i>P</i> <b>289</b> Philips	L 11	# 79		C/ 33 SC 33.4.9. Yseboodt, Lennart	1.2 P 2 Philip		40	# 81	
Comment Type E No dimension	Comment Status D			AES	Comment Type E Dimension is missing	Comment Status	D			AES
SuggestedRemedy Replace "is the Near	End Crosstalk loss" with "is the	e Near End Cros	sstalk loss in dB"		SuggestedRemedy Add "in dB" after inse	ertion loss				
Proposed Response REJECT.	Response Status Z				Proposed Response REJECT.	Response Status	Z			
This comment was W	/ITHDRAWN by the commenter	er.			This comment was V	VITHDRAWN by the co	ommenter.			

NonEasy						NonEasy						
C/ 33 SC 33.4.9.1.2 Yseboodt, Lennart	2 P <b>289</b> Philips	L <b>29</b>	# 80		CI <b>33</b> Dove, Dar	SC 33.5	.1.1	P <b>292</b> Dove Netwo	L <b>52</b> rking Solut	#	265	
Comment Type E Dimension is missing SuggestedRemedy Add "in dB" after insert Proposed Response REJECT. This comment was WI <sup>*</sup> NonEasy	Comment Status D ion loss Response Status Z			AES	indepe disabl Suggested Insert Insert These Enable Consis pairse and Ty when alterna	eed bits in the endently from ed while the dRemedy row for bit 1 row for bit 1 e bits identify e bits apply a bits do not stent with exit to operation f ype 4 PSEs, attached to ative approa	e PSE n the c other 1.9 1.8 wheth and de apply isting i unctio one v a Type ch to t	Comment Status D E Control Register that con overall PSE configuration. enabled or in forced-powe PS Disable A PS Disable B her the PSE Enable bits ap efault behavior is to follow and the pairset is disabled implementations where the ons based upon the bits in two vould expect the bits 1:0 to e 3/4 SS PD This can be d this would be to define sep registers per pairset.	For instance, one r mode. pply to the pairset the order of bits 1 d. Note: I chose ti se bits would na values 1:0. Additi control both pair one by setting bit	A or B. If 1:0. If 1, th his polarit turally be onal note sets the s3:2 to '1	f 0, the PSE the PSE ty to keep zero yet : For Type 3 same way 1' An	
					REJE This c			Response Status Z	ter.			

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>292</b>	Page 68 of 74
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>52</b>	9/18/2015 11:48:17 AM
SORT ORDER: Page, Line		

C/ 33         SC 33.5.1.1         P 293         L 8         # 233           Schindler, Fred         Seen Simply         Seen Simply         Seen Simply         Seen Simply	C/ 33         SC 33.6.3.4         P 302         L 52         #         82           Yseboodt, Lennart         Philips
Comment Type TR Comment Status A Management Changes in Table 33-21 are not correct and text is missing below the table.	Comment Type E Comment Status A Editor. Lower border missing in "Table 33-23 Attribute to state diagram variable cross-reference"
SuggestedRemedy On line 8 change table column one, "11.15.8" to "11.15.7".	SuggestedRemedy Add lower border of table
On line 12 last table column add, "R/W".	Response Response Status C ACCEPT.
After line 43 insert text, 33.5.1.1.x Force Power Test Mode Pairset Selection (11.7:6) Bits 11.7:6 determine which PSE Alternative or Alternatives are enabled when Force Power	EZ
Test Mode is enabled. Response Response Status <b>C</b>	C/ 33         SC 33A         P 329         L 1         # 107           Yseboodt, Lennart         Philips
ACCEPT IN PRINCIPLE.	Comment Type ER Comment Status A Editor. Change bars missing in this appendix.
change 11.15:7 on line 39 to 11.15:8. On line 12 last table column add, "R/W".	SuggestedRemedy Add change bars.
After line 43 insert text, 33.5.1.1.x Force Power Test Mode Pairset Selection (11.7:6) Bits 11.7:6 determine which PSE Alternative or Alternatives are enabled when Force Power	Response Response Status C ACCEPT.
Test Mode is enabled.	EZ
C/ 33         SC 33.6.3.2         P 299         L 16         # 215           Schindler, Fred         Seen Simply	C/ 33         SC 33.A.4         P 329         L 27         # 83           Yseboodt, Lennart         Philips
Comment Type         TR         Comment Status         D         Management           It does not appear to be worthwhile providing class 6 and 7 if they are within 3% of         It does not appear to be worthwhile providing class 6 and 7 if they are within 3% of         It does not appear to be worthwhile providing class 6 and 7 if they are within 3% of	Comment Type         E         Comment Status         A         Editor           Four Pair is not consistent with rest of document         Editor         Editor         Editor
eachother. SuggestedRemedy	SuggestedRemedy change Four Pair to 4-pair
Have the Task Force discuss whether Class 7 PD power should be increased. Provide an Editor's note for the decision if the value changes so that participants provide corrections for the text for the next Draft.	Response Response Status C ACCEPT.
Proposed Response Response Status <b>Z</b> REJECT.	EZ
This comment was WITHDRAWN by the commenter.	
Fred to add pointer to explanation next comment cycle.	

TYPE: TR/technical required ER/editorial required GR/gener	al required T/technical E/editorial G/general	Pa <b>329</b>	Page 69 of 74
COMMENT STATUS: D/dispatched A/accepted R/rejected SORT ORDER: Page, Line	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li <b>27</b>	9/18/2015 11:48:17 AM

C/ 33 Darshan, `	SC <b>33A.5</b> Yair	P <b>330</b> Microsemi	L <b>12</b>	# 28	Cl <b>33</b> Darshan,	SC <b>33A.6</b> Yair	P <b>330</b> Microsemi	L <b>21</b>	# 31
Comment	Туре Т	Comment Status A		Pres: Yair	B Comment	Type <b>TR</b>	Comment Status A		Pres: Yair4
2. In a		nex 33A.5 needs to be replac existing constants need to be			In D1	1 we have appro	s YD_002_PSEP2P) ved darshan_06_0715.pdf		
Suggested	Remedy						//3/bt/public/jul15/darshan_ fically to use Annex B (and		
Propo	se to implement	darshan_08_0915.pdf					2.7.4.1 and 33.2.7.4.2 that		
Response		Response Status C				ne above link.	mod the original Annay De	a Annay 22A G ta A	annay 224 10 which is
ACCE	PT IN PRINCIPI	_E.					med the original Annex B a the intent was that this par		
Adopt	changes shown	on page 2 of darshan_08_09	915.pdf		In add Anne:	dition It is not clea < 33A.10 are relat	ar that all parts of original A ted to each other as in origi the relevant comment from	nnex B that are not inal Annex B and n	w Annex 33A.6 to ot independed parts
							he above link is Normative l is Annex C.	Annex B.	
							s identical to adopt Annex I instances were Annex A, E		
					Suggeste	dRemedy			
					Make	the following cha	inges without editorial licen	sing to do otherwis	e:
					pair re 1.1 In 1.2 In 1.3 In	esistance/current page 330 line 27 page 330 line 28 page 330 line 51	e 330 line 21: Change title unbalance. Change table Yuval_1 to Change <> to Annex F. Change Figure number fr Change Table 33A-1 to T	Table 33B-1. om 33A-4 to 33B-1	
					Rpse 2.1 in	_max and Rpse_r page 331 line 43	e 331 line 35: Change title t min : Change from 33A.8 and 3 ': Change Figure number fr	33A.9 to 33B.2 and	33B.3
					Meas load o 3.1 in	urement Method I conditions page 332 line 41	e 332 line 21: Change title t by measurement of current : Change Figure number fr : Change from 33A.9 to 33	unbalance under volume and the second states of the	worst case pair-to-pair
					Meas 4.1 in	urement Method page 333 line 22	e 333 line 20: Change title t :: change Table 33A-1 TO 3 : change Figure 33A-7 to 3	33B-1	Inbalance
		ed ER/editorial required GR/ spatched A/accepted R/reje	• •		0	d Z/withdrawn	Pa Li		Page 70 of 74 9/18/2015 11:48:17 A

COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn Li 21 9/18/2015 11:48:17 AM SORT ORDER: Page, Line

<ul><li>4.3 in page 333 line 41: change Figure 33A-7 to 33B-4.</li><li>5. in Annex 33A.10 page 334 line 9: Change title to: 33B.4 Channel resistance with less than 0.1 ohm</li></ul>	C/ 33         SC 33.A.6         P 330         L 28         # 85           Yseboodt, Lennart         Philips						
6: Add Annex F (informative) - Derivation of Rload_max and Rload_min. Editor Note (to be removed prior to publication): To consider the value of adding informative Annex F to present Rload_max and Rload_min equation derivation and value	Comment Type E Comment Status A Pres: Ya reference is missing instead <>						
	SuggestedRemedy Yair, where does this refer to ?						
7: in Annex 33B page 335 line 2: Change to Annex C.							
Response Response Status C	Response Response Status C ACCEPT IN PRINCIPLE.						
ACCEPT IN PRINCIPLE.	OBE by 31						
Make changes in suggested remedy with editorial license only to combine with other accepted comments (fixing table and figure numbers, etc.).	C/ 33 SC 33.A.6 P 330 L 34 # 86						
Make these additional changes:	Yseboodt, Lennart Philips Comment Type E Comment Status A Pres: Ya						
In page 220 lines 22.27 shapes the text from:	Equation 33B-1 is wrong						
In page 330 lines 33-37 change the text from:							
"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.	SuggestedRemedy Equation 33A-4						
"Figure 33B-1 illustrates the relationship between PSE PI Equation (33-4b)	SuggestedRemedy Equation 33A-4 Response Response Status C ACCEPT IN PRINCIPLE.						
"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb. To: "Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b)	Equation 33A-4     Response     Response     C						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To:</li> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> </ul>	Equation 33A-4 Response Response Status C ACCEPT IN PRINCIPLE.						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To:</li> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> </ul>	Equation 33A-4 Response Response Status C ACCEPT IN PRINCIPLE. OBE by 31 C/ 33 SC 33A.6 P 331 L 4 # 87						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To:</li> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> <li>C/ 33 SC 33.A.6 P 330 L 27 # 84</li> </ul>	Equation 33A-4         Response       Response Status         C       ACCEPT IN PRINCIPLE.         OBE by 31       OBE by 31         C/ 33       SC 33A.6       P 331       L 4       # 87         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       A       Pres: Ya         There is suspicion that the addition needs to get priority. Otherwise the units are likely to						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To: <ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> </ul> </li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> <li>C/ 33 SC 33.A.6 P 330 L 27 # 84</li> <li>Seboodt, Lennart Philips</li> </ul>	Equation 33A-4         Response       Response Status         C       ACCEPT IN PRINCIPLE.         OBE by 31       OBE by 31         Cl 33       SC 33A.6       P 331       L 4       # 87         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       A       Pres: Ya         There is suspicion that the addition needs to get priority. Otherwise the units are likely to add up as "ohms + dimensionless" rather than Ohms.       Otherwise the units are likely to add up as "ohms + dimensionless" rather than Ohms.						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To: "Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> <li>C/ 33 SC 33.A.6 P 330 L 27 # 84</li> <li>Yseboodt, Lennart Philips</li> </ul>	Equation 33A-4         Response       Response Status         C       ACCEPT IN PRINCIPLE.         OBE by 31       Cl         Cl       33       SC         SC       33A.6       P 331       L 4       #         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       A       Pres: Ya         There is suspicion that the addition needs to get priority. Otherwise the units are likely to add up as "ohms + dimensionless" rather than Ohms.       Note sure due to missing description of Kpse.						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To: <ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> </ul> </li> <li>C/ 33 SC 33.A.6 P 330 L 27 # 84</li> <li>Yseboodt, Lennart Philips</li> <li>Comment Type E Comment Status A Pres: Yestion</li> </ul>	Equation 33A-4         Response       Response Status         C       ACCEPT IN PRINCIPLE.         OBE by 31       OBE by 31         Cl 33       SC 33A.6       P 331       L 4       # 87         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       A       Pres: Ya         There is suspicion that the addition needs to get priority. Otherwise the units are likely to add up as "ohms + dimensionless" rather than Ohms.       Otherwise the units are likely to add up as "ohms + dimensionless" rather than Ohms.						
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<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To:</li> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> <li>C/ 33 SC 33.A.6 P 330 L 27 # 84</li> <li>Yseboodt, Lennart Philips</li> <li>Comment Type E Comment Status A Pres: Y Table Yuval does not exist</li> <li>SuggestedRemedy</li> </ul>	Equation 33A-4         Response       Response Status       C         ACCEPT IN PRINCIPLE.         OBE by 31         C/ 33       SC 33A.6       P 331       L 4       # 87         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       A       Pres: Yather than Ohms.         Note sure due to missing description of Kpse.       SuggestedRemedy       Replace formula by       R_pair_max <= R_pair_min * (U + K_pse)						
<ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and E2EP2PRunb.</li> <li>To: <ul> <li>"Figure 33B-1 illustrates the relationship between PSE PI Equation (33–4b) and Rload_min and Rload_max as specified in Table 33B-1."</li> <li>In page 331 line 44: Replace 33A-4 with 33-4b.</li> </ul> </li> <li>Note to editor: We should be using cross references for all figure and section numbers. These should not be hard coded in text.</li> <li>C/ 33 SC 33.A.6 P 330 L 27 # 84</li> <li>Yseboodt, Lennart Philips</li> <li>Comment Type E Comment Status A Pres: Y Table Yuval does not exist</li> <li>SuggestedRemedy Correct reference to table 33A-1.</li> <li>Response Response Status C</li> </ul>	Equation 33A-4         Response       Response Status       C         ACCEPT IN PRINCIPLE.         OBE by 31         C/ 33       SC 33A.6       P 331       L 4       # 87         Yseboodt, Lennart       Philips         Comment Type       E       Comment Status       A       Pres: Yather than Ohms.         Note sure due to missing description of Kpse.       SuggestedRemedy       Replace formula by       R_pair_max <= R_pair_min * (U + K_pse)						

C/ 33 SC 33.A.6 Yseboodt, Lennart	P <b>331</b> Philips	L 12	# 88	C/ <b>33</b> Yseboodt,	SC 33.A.7 Lennart	P <b>331</b> Philips	L <b>41</b>	# 89
Comment Type E Kpse is not specified	Comment Status A		Pres: Yair4	Comment Type E Comment Status A Reference to 33-B2 is wrong.				Pres: Yair4
SuggestedRemedy Yair, please specify Kp	ose			Suggested Chang	<i>IRemedy</i> le reference to fi	igure 33A-5.		
Response Response Status C ACCEPT IN PRINCIPLE.				Response ACCE				
OBE by 87				OBE b	y 31.			
C/ 33 SC 33A.6 Darshan, Yair	P <b>331</b> Microsemi	L <b>21</b>	# 15	C/ <b>33</b> Yseboodt,	SC 33.A.10 Lennart	P <b>334</b> Philips	L 9	# 90
darshan_06_0715.pdf REV008.docx.) 1. To update values pe 2. To replace TBDs wit	1.2 (will be Table 33B-1 in D1 in http://www.ieee802.org/3/b er changes made in D1.1. th numbers al columns to support extende	t/public/jul15/da		Suggestea add sp Response	IRemedy bace	tance" is missing space Response Status <b>C</b> LE.		
SuggestedRemedy				OBE b	oy 31.			
PSE Class=5,Rload_m PSE Class=6,Rload_m			A-1 in D1.2).	C/ <b>33</b> Yseboodt,	SC 33.A.10 Lennart	P <b>334</b> Philips	L 13	# 91
PSE Class=7,Rload_min=0.577,Rload_max=1.094 PSE Class=8,Rload_min=0.533,Rload_max=0.979 2. Modify the table to include two additional columns for Extebded Power mode. See updated details in page 3 of darshan_04_0915.pdf					g spaces aroun		Editorial	
Response ACCEPT IN PRINCIPL	Response Status <b>C</b> E.			Suggesteo add sp				
	e 331 lines 20-26 Table 33B-	1 (was Table 33	(A-1 in D1 2)	Response		Response Status C		
PSE Class=5,Rload_m	nin=0.739,Rload_max=0.1562		A-1 III D1.2).	ACCE	P1.			
	nn=0.635. nin=0.577,Rload_max=1.094 nin=0.533,Rload_max=0.979			EZ				

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general	Pa <b>334</b>	Page 72 of 74
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 13	9/18/2015 11:48:17 AM
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Cl <b>79</b> Schindler, Fre	SC <b>79.3.2.4</b> ed	P <b>341</b> Seen Simply	L <b>2</b>	# 234		<i>Cl</i> <b>79</b> Schindler,	SC <b>79.3.2.6a</b> Fred	P <b>342</b> Seen Simply	L <b>52</b>	# 235
Comment Ty	pe TR	Comment Status A			DLL	Comment	Type TR	Comment Status A		DLL
	sentence,					Repla	ce the Editor's no	te on line 52 with the requested	d text.	
"А Туре 3	3 or Type 4 devi	ce shall set the bits in power	type to TBD.	"		Suggested	Remedy			
		n specific but a preferred solu d to new Types with the high			mits	"The F	SE power status	te on line 52 with, value field shall contain the PS		
SuggestedRe	emedy					and P TLV."	SE power class,	defined in Table 79-6a and is re	eported for th	e device generating the
"A Type 3	the referenced s 3 or Type 4 devi 1g device suppo	ce shall set the bits in power	type to the h	ighest Type the TLV	,	Response		Response Status <b>C</b>		
Response	ig device suppo					ACCE	PT IN PRINCIPL	E.		
ACCEPT		Response Status C				Darda	an da a 🗖 d'an da an	te on line 52 with,		
	SC 79.3.2.4.1	P <b>341</b> Philips	L <b>33</b>	# 151		"The F	SE power status	e value field shall contain the PS defined in Table 79-6a, and is r		
Comment Ty	be TR	Comment Status A			DLL	CI 79	SC 79.3.2.61	.1 <i>P</i> 343	L 32	# 216
	"This field shall be set according to Table 79-4."						Fred	Seen Simply		
		type' field only supports Typ levice set this field ?	e 1/2 PDs and	d PSEs.		Comment	<i>Type</i> <b>TR</b> what a PD place	Comment Status <b>A</b>		DLL
SuggestedRe	emedy						•			
Туре 3 с	d shall be set ac or Type 4 PSEs	cording to Table 79-4. shall set this field to the valu					fter line 32,	PD shall set the field to 00."		
Туре 3 с	or Type 4 PDs s	hall set this field to the value	correspondin	g with Type 2 PDs."		Response		Response Status <b>C</b>		
Response		Response Status C				ACCE	PT.			
ACCEPT						01 70	SC 70 2 2 Co	0	1.00	# 047
						<i>CI</i> <b>79</b> Schindler,	SC <b>79.3.2.6a</b> Fred	.2 P 343 Seen Simply	L <b>36</b>	# 217
						<i>Comment</i> Clarify	<i>Type</i> <b>TR</b> what a PD place	Comment Status <b>A</b> es in a PSE field.		DLL
						Suggested	Remedy			
							fter line 36, / generated by a	PD shall set the field to 0000."		
						Response		Response Status C		
						ACCE	PT.			
		ER/editorial required GR/g						Pa 343		Page 73 of 74

COMMENT STATUS: D/dispatched A/accepted R/rejected	RESPONSE STATUS: O/open W/written C/closed Z/withdrawn	Li 36	9/18/2015 11:48:17 AM
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CI 79	SC 79.3.2.6b	P 34	43	L <b>40</b>	# 236	
Schindler	, Fred	Seen	Simply			
Commen	<i>t Type</i> <b>TR</b> ace the Editor's note	Comment Status		od toxt		DLL
•	dce the Earton's hote		request			
"The	ace the Editor's note System setup value nd PD PI defined in	e field shall contain				

Response

ACCEPT.

Response Status C

Pa **343** Li **40**