Zimmerman, George	P 171 CME Consultir	L 13	# 1	C/ 33B Zimmerma	SC 33B an, George		P 173 CME Consulti	L 1	# 3
	nent Status X	ig, inc.	Annex	Comment	•	Comment		ing, inc.	Anne
"Operation for all types requires Informative text cannot have rea SuggestedRemedy Replace "shall" with "should" in	that the resistance u quirements - no "shal		e 3% or less."	Perha require annex source standa The ke is a se A lot o	ps we moved to ements on PSE es, per the IEE e code. Normat ard." ey requirement et of additional of what is in this	oo much to the a Es that are not in E style guide is: tive annexes ma references Equa requirements, pe	annex. Annex 3 the main body for conformar y also be used ation 33-4b in 3 erhaps in confli to be test proc	of Clause 33	appears to contain new The use of normative irres, tables, or printed cific applications of the eeems that Table 33B-1 body of the text. main requirement
CI 33A SC 33A	P 171	<i>L</i> 1	# 2	Suggested		.,			-
Zimmerman, George Comment Type E Comr	CME Consultir nent Status D	ıg, Inc.	Editorial	Move	-		tion (33-4b)" t	through "attache	ed to PSE PI." to the
All annexes should be at the en task force review where they cu reminding the editor to move the	rrently are, therefore,	, at this time I sug		Proposed TFTD	•	Response S	Status W		
SuggestedRemedy				C/ 33	SC 33.2.7.	10.1	P 119	L 19	# 4
Add editorial note immediately				Zimmerma	an, George		CME Consulti	ing, Inc.	
"Editorial note (to be removed p end of the draft. Prior to Workir				Comment	Type TR	Comment	Status X		Unbalance
Annex 33A in the frame book."	.g ereap sanot, cano			CONF	USION IN Rpa	air:			
Proposed Response Respo PROPOSED ACCEPT.	nse Status W					ir_min represent VPort_PSE_dift			ource impedance that tem 1a."
EZ				"RPair of sam RPair_	r_max is the mane polarity.		mmon mode ef	ffective resistanc	ce in the powered pairs in the powered pairs of
				the co OVER	mbination of th ALL, or are the		nnel? Are they i er and lesser of	maximum and m the two Rpair v	in the PSE? Are they hinimum requirements alues in a given
				Suggested	dRemedy				
						nitions of Rpair_r nition on page 85			e either the definition on
								•	
				Proposed	Response	Response S	Status W		5000.

Comment ID 4

C/ 33A SC 33A.5 P 172 L 10 # 5 Zimmerman, George CME Consulting, Inc.	C/ 30 SC 30.9.1.1.4 P7 L1 # 7 Zimmerman, George CME Consulting, Inc. CME Consultin
Comment Type T Comment Status D Annex "Rpair_max_PD" and "Rpair_min_PD" Rpair_max and Rpair_min were defined twice before (pages 107 and 141) in terms of the PSE. This is the only place Rpair_max_PD (or min) occur in the draft. Even though its a guideline, it needs a definition. SuggestedRemedy Define Rpair_max_PD, Rpair_min_PD. in 33A.5. (sorry, I really don't know what is the intended definition). Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE. PROPOSED ACCEPT IN PRINCIPLE.	Comment Type TR Comment Status D Mangement PSE Power Pairs needs updating to 4 pair and new contents of 33.5.1.1.4 SuggestedRemedy Add enumerated values: both "PSE Pinouts on both Alternative A and B" Add sentence on line 12, prior to "If a Clause 22": "The enumeration "both" indicates that PSE Pinout uses both Alternatives A and B for detection and power." Proposed Response Response Status W PROPOSED ACCEPT. "The status" "The status"
Need definition, Yair? Cl 25 SC 25.1 P 1 L 1 # 6 Zimmerman, George CME Consulting, Inc. Comment Type ER Comment Status D Editorial Page numbers jumped back to 1. (this is going to make hell of your comment processing)	EZ Cl 30 SC 30.9.1.1.6 P 7 L 53 # 8 Zimmerman, George CME Consulting, Inc. Managemen Comment Type TR Comment Status D Managemen Classifications in Clause 30 need updating to include new PD classes P Classes Comment PD
Note that there is another jump back to 1 after PDF page 200 (annex 33D start) SuggestedRemedy check page numbering parameters in frame file for clause 25, and annex 33D and make them continue from previous document in book. Proposed Response Response Status W PROPOSED ACCEPT. EZ	SuggestedRemedy Add Classes 5 through 8, and Autoclass to the list of enumerated values. Add editor's note to P8 L5 (after end of paragraph) stating: "Editor's Note (to be removed prior to Working Group ballot): linkage to management registers to be aligned with resolution of issues on how to report more classes than there are bits available in 802.3-2015 Clause 33 PSE status register." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.

Does Autoclass need an entry in the list? The PD still classifys as class 1-8 before doing Autoclass.

See comment 165

CI 33 SC 33.5.1.2 P 138 L 40 # 9 Zimmerman, George CME Consulting, Inc.	C/ 30 SC 30.12.2.1.11 P 13 L 36 # 11 Zimmerman, George CME Consulting, Inc.
Initiality George Comment Status D Management Need to allocate classes 5 through 8 and autoclass. Image Status Management Need to allocate classes 5 through 8 and autoclass. Image Status Management replace "101 Invalid Class" with "101 Class 5" replace "110 Reserved" with "110 Class 6" Image Status replace "111 Reserved" with "111 Class 7" add after table - "Editor's Note (to be removed before Working Group ballot) - Status register bits are used up, and clause 22 address space is used up as well. Contributions requested as to how to expand status, at a minimum to report Class 8 PD and Autoclass" In 33.5.1.2.10, delete P140 L36: "The combinations '110' and '111' for bits 12.6:4 have been reserved for future use." PROPOSED ACCEPT. W	Comment Type E Comment Status D Editorial 30.12.2.1.11 through 30.12.2.1.13, 30.12.2.1.19 through 30.12.2.1.20, 30.12.2.1.22 through 30.12.2.1.33, 30.12.2.1.22 through 30.12.3.1.4, 30.2.3.1.11 through 30.2.3.1.13, and 30.2.3.1.11 through 30.2.3.1.13, and 30.2.3.1.19 through 30.2.3.1.27 are not related to PoE and are not needed in the draft. SuggestedRemedy Delete P13 L36 through P14 L14 Delete P16 L28 through P17 L1 Delete P17 L20 through P20 L4 Delete P22 L17 through P22 L49, and Delete P25 L1 through P26 L44 Proposed Response Response Status W
Cl 30 SC 30.12.2.1.14 P 14 L 23 # 10 Zimmerman, George CME Consulting, Inc. CME Consulting, Inc. Comment Type TR Comment Status D "A GET attribute that returns a bit string indicating whether the local system is a PSE or a PD and whether it is Type 1 or Type 2. The first bit indicates Type 1 or Type 2." Needs to be extended to include types 3 & 4 SuggestedRemedy Add "Editor's Note (to be removed prior to Working Group Ballot) - Need to extend	EZ C/ 30 SC 30.12.3 P 12 L 28 # 12 Zimmerman, George CME Consulting, Inc. Editoria Comment Type ER Comment Status D Editoria Need clause 30.12 header, otherwise Table of contents runs straight from 30.10.2 to 30.12.2.1.5 without heirarchy Strain Straight from 30.10.2 to 30.12.2.1.5
aLldpXdot3LocPowerType or another variable to manage types 3 and 4." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See comment 166	SuggestedRemedy Insert on P34 L28: 30.12 Layer Management for Link Layer Discovery Protocol (LLDP) 30.12.2 LLDP Local System Group managed object class 30.12.2.1 LLDP Local System Group attributes
	Proposed Response Response Status W PROPOSED ACCEPT. EZ

C/ 33 SC 33.1.1	P 27	L 52	# 13	CI 33	SC 33.2.5.0		L 35	# 14
Zimmerman, George	CME Consult	ting, Inc.		Zimmerma	an, George	CME Consu	lting, Inc.	
Comment Type TR	Comment Status D		Objectives	Comment	Type TR	Comment Status D		Connection Check
T, without modification 10GBASE-T operation regard to DTE Power d) Simplicity—The po	ause 33 utilizes the MDIs of 10 on The clause does not addu on, the channel model specified t via MDI presence or operatio owering system described here ements of 10BASE-T, 100BAS	ress the operatio d in Clause 55 n n. e is no more burg	n of 10GBASET. For eeds to be met without densome on the end	timing POWE The tir	requirements of ER_UP state."	k shall be rerun before apply or power is absent on both pa specification is unclear. how	irsets simultaneo	ously after reaching the
Needs to be modified	to reflect addition of 10GBAS	SE-T.			er up fails to m them?	eet the timing requirements' i	s unclear - which	timing requirements,
SuggestedRemedy				Suggested	dRemedy			
10GBASE-T without Delete "The clause d	e of item (c) to read: "10BASE- modification." oes not address the operation ad "10BASE-T, 100BASE-TX,	of 10GBASE-T.	n	require (sorry,	ement that need , but its so uncle	after "meet the timing require ds to be met explicitly by nam ear I don't know which one to	e, table , section point to)	, or equation number.
Proposed Response PROPOSED REJEC	Response Status W				or at least TBD ng the POWER	msec' after 'or power is abse _UP state."	nt on both pairse	ts simultaneously after
Didn't we remove the	objectives section completely	0		Proposed	Response	Response Status W		
Didifit we remove the	objectives section completely			PROP	OSED ACCEP	т.		
We Did. Line 40 has	the editing instruction to delet	te section 33.1.1		Add 'ir	n Table 33-3a o	r in section 33.2.7.12' after "r	neet the timing re	equirements"
						msec' after 'or power is abse _UP state."	nt on both pairse	ts simultaneously after
				CI 33	SC 33.1.4	P 30	L 22	# 15
				Zimmerma	an, George	CME Consu	lting, Inc.	
				Comment	Type ER	Comment Status D		Editoria
				This p nomer	arameter appea	R_ch (the underscore denotes ars everywhere else as R_Ch is very close to R_Chan, whi	, with the C capi	talized. The max, so it's confusing
				Suggested	Remedy			
						o R_ch R_Ch, consistent. eader to R_Ch)		
				Proposed	Response	Response Status W		
				PROP	OSED ACCEP	Т.		

Comment ID 15

C/ 33 SC 33.2.7.2 P 83 L 24 # 18
Zimmerman, George CME Consulting, Inc.
Comment Type ER Comment Status D Editori
"VPort_PSE- 2P" split across lines
SuggestedRemedy
supress hyphenation breaking this up so it stays on one line.
Proposed Response Response Status W
PROPOSED ACCEPT.
EZ
EZ
Cl 33 SC 33.4.4 P 125 L 8 # 19
Zimmerman, George CME Consulting, Inc.
Comment Type TR Comment Status D AE
"For 10GBASE-T systems, TBD mV peak, for 1 MHz to 500 MHz."
Need to fill in a number. Initial analysis of 35-40dB common mode to differential mode conversion magnetics suggests that 50mVpp (same as 100 and 1000BASE-T) would be
about right. Phy developers are asking to mark with a TBD for now.
SuggestedRemedy change "TBD mV peak" to "50 mVpp (TBD)"
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.
FROFOSED AGGEFT IN FRINGIFEL.
See 42

CI 33 SC 33.1	P 27	L 14	# 20	C/ 33 SC 33.3.7.3	Р
Jones, Chad	Cisco			Jones, Chad	Cisc

Comment Type E Comment Status D

"This clause uses several terms defined in clause 1.4." I took an action item in Bonita Springs to enumerate these new terms.

SuggestedRemedy

add: " - See terms: 1-Event class signature. 1-Event classification. 1000BASE-T. 10BASE-T/100BASE-TX. 2-Event class signature. 2-Event classification. Dual-signature PD. Endpoint PSE, IPort, Link Section, Midpsan, Midpsan PSE, Midspan PSE, Midspan PSE, pairset, Power Interface (PI), Power Sourcing Equipment (PSE), Powered Device (PD), PSE Group, Single-signature PD, TP-PMD, Twisted Pair Medium Dependent Interface (TP MDI), Type 1 PD, Type 1 PSE, Type 2 PD, Type 2 PSE, Type 3 PD, Type 3 PSE, Type 4 PD. Type 4 PSE., VPD, VPSE

Proposed Response Response Status W

PROPOSED ACCEPT IN PRINCIPLE.

We have changed "2-Event" to "Multiple-Event" and "1-Event" to "Single-Event"

C/ 33	SC 33.3.	7.3 P 11	3 L 4	#	21
Jones, Cł	nad	Cisco			
Commen	t Type TR	Comment Status	x		PD Inrush

Comment Type **TR** Comment Status X

This is a reminder of MR1277 that has been assigned to this TF for closure. Changes were previously made to close the MR and then subsequesntly further changes were made that may backed out the fix. This comment is being filed so that the TF can review the MR and ensure it is being properly addressed and to provide an Editor's Note warning of any future changes to the text.

MR 1277: "RATIONALE FOR REVISION:

PDs in the field turn on their DC-DC load during inrush. This leads to PD cap not charging up fully (even if PD cap is <180uf PSE is following inrush rules from Section 33.2.7.5). This may lead to operational problems after inrush. There is a Voff requirement in PD table 33-18 to ensure power supply remains turned off for V<30V, but customers seem to read this as applicable only "after power on" not during "power on" - hence ether turn on their DC-DC during inrush causing problems.

PROPOSED REVISION TEXT:

Request the following text be added as note to section 33.4.1

Add the following to section 33.3.7.3

"PDs shall not draw more than the maximum current allowed by a PSE during inrush as outlined in section 33.2.7.5" Change 2nd paragraph of Section 33.3.7.1 as follows (change shown in _underline_) "The PD shall _not_ turn on until a voltage greater than Voff and less than or equal to Von""

SugaestedRemedv

Restore the text as it stood after D0p4. Also, add an Editor's Note to the end ot the paragraph to be removed before publishing, "Editor's Note: this paragraph has changed as a result of MR1277. Do not change this paragraph without consulting the request of MR1277."

History:

D0p1:"Inrush current is drawn during the startup period beginning with the application of input voltage at the PI

compliant with VPort PD requirements as defined in Table 33-17, and ending when CPort is charged to 99 % 13 of its final value. This period should be less than TInrush min per Table 33-10."

D0p4: "Inrush current per pair-set is drawn beginning with the application of input voltage at the pair-set compliant with Vport PD-2P requirements as defined in Table 33-18, and ending before Tlnrush-2P min per Table 33-11. After Tlnrush-2P min, the PD shall not exceed its per pair-set current threshold corresponding to its class level."

D1p3:"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 33-16a, 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-2P min per Table 33-11. After TInrush-2P min. Class 6 or Class 8 PDs shall meet Pclass at the PSE PI: all other PDs shall meet PClass PD as specified in Table 33-18."

Comment ID 21

Page 6 of 66 10/8/2015 9:35:48 PM

Proposed Response Chad to walk us throug	Response Status W gh…			C/ 33 Darshan, Y		3.2.4.6	P 53 Microsemi	L 32	# 24
C/ 33 SC 33.8.3.5 Maguire, Valerie	<i>P</i> 165 Siemon	L 18	# 22	Comment There		TR	Comment Status D neter in the list of the follow	ing text:	PSE SL
Comment Type T Not sure if this is in sc 568-C.2	Comment Status X	uirements do not	Cabling reside in ANSI/TIA-	"Wher native (Typel 33-11)	n a PSE type (Ty PD), exce), for whic	powers a pePSE), ept for IC ch the PS	PD of lower Type (TypePD) the PSE shall meet the PI e on, ILIM-2P, Ilnrush, Ilnrush E shall select to meet the re e <= TypePSE.") than its own electrical requirer h-2P, TLIM-2P, a	nd PType (see Table
SuggestedRemedy Replace "ANSI/TIA-56	8-C.2" with "ANSI/TIA/EIA-56	S8-A·1995"					s is: Icon-2P_unb,		
Proposed Response Chair, is this in scope?	Response Status W			"Wher	e text to a PSE	: powers a	PD of lower Type (TypePD) the PSE shall meet the PI e		nents of the PD Type
<i>Cl</i> 33 SC 33.4.9.1. Maguire, Valerie	4 <i>P</i> 113 Siemon	L 16	# 23	(Typel PType	PD), exce e (see Ta	ept for IC	on, Icon-2P_unb, ILIM-2P, I), for which the PSE shall s) <= applied Type <= TypeP	Inrush, IInrush-2 elect to meet the	P, TLIM-2P, and
Comment Type T Not sure if this is in sc 568-C.2	Comment Status X ope, but Category 5 cord requ	uirements do not	Cabling reside in ANSI/TIA-	Proposed	Respons		Response Status W	02.	
SuggestedRemedy Replace "ANSI/TIA-56	8-C.2" with "ANSI/TIA/EIA-56	8-A:1995"		This a	dds Icon	-2p-unb.			
Proposed Response	Response Status W			EZ					
Chair, is this in scope?	,			CI 33 Darshan, `	SC 3 Yair	3.2.7	P 80 Microsemi	L 15	# 25
				followi 1. Incr In add 2. Incr	33-11 ite ng chang easing P lition, the reasing s	ges made SE Vdiff following ystem Vo	Comment Status X litional Information K_lcut va of or D1.2: to 10mV instead of 2mV. changes we made for Type liff for Type 3 to 70mV inste ed total 60mV vdiff:	e 3 system:	
				S <i>uggested</i> Updat	-		n 7, K_lcut values per darsh	nan_01_1015.pd	f page 4.
				Proposed	Respons		Response Status W		

wait for presentation

C/ 33 Darshan, Y	SC 33.1.4 Yair	Р 30 Microsemi	L 46	# 26	Cl 33 Darshan,	SC 33.2.4.4 Yair	P 46 Microsemi	L 12	# 29
Suggested	is no need for the	Comment Status X e Editor Note regarding the ef	fect of extende	<i>Editorial</i> d power.	The le In ord	ext "Type 3 and T egacy powerup wa er to keep interop	Comment Status X ype 4 PSEs shall use this val as canceled for Type 3 and 4 erability between Type 3 sys b delete the use of legacy po	tems that opera	
	,	Response Status W ore than extended power.			"Туре То:	ge from:	Es shall use this value."		
Cl 33 Darshan, Y	SC 33.4.9 Yair	P 129 Microsemi	<i>L</i> 1	# 27	Proposed	Response	Response Status W		
	<i>Type</i> E 4 was adressed. In remove the edi	Comment Status D		Editorial	TFTD				
Suggested Remov Proposed	<i>Remedy</i> ve the Editor Note	e. Response Status W			for D1 1. Inc	<i>Type</i> T 33-11 item 4a, Ic .2: reasing PSE Vdif	P 79 Microsemi Comment Status X on-2P_unb need to be updat to 10mV instead of 2mV. g changes we made for Type		# <u>30</u> Pres: Darshan bllowing changes made
C/ 33 Darshan, ነ	SC 33.2.7.5 Yair	P 85 Microsemi	L 52	# 28	2. Inc	reasing system V be 4 systems stay	diff for Type 3 to 70mV instea ed total 60mV vdiff:		ncrease margins.
require	ext: e 2 PSE that use	Comment Status D s 1-EventSingle-Event Physic ng time, shall power up a cCl ation.	al Layer classif ass 4 PD as if it	PSE Inrush ication, and used 2Multiple-Event	Proposed	e Table 33-11 ite <i>Response</i> or presentation	m 4a per darshan_01_1015. Response Status W	odf page 3.	
Suggested	Remedy	ext should be part of the POV fiaction section or clarify why	_						
Proposed PROP	Response OSED REJECT.	Response Status W							
	•	maintenance between AT an this is an inrush spec not a c		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: Comment ID

C/ 33 SC 33.2.7	P 80	L 28	# 31	C/ 33 SC 33.2.7		L 25	# 33
Darshan, Yair	Microsemi			Darshan, Yair	Microsemi		
D1.2: 1. Increasing PSE Vdi In addition, the followin 2. Increasing system V 3. Type 4 systems sta	Comment Status X IM-2P need to be updated due ff to 10mV instead of 2mV. ng changes we made for Type /diff for Type 3 to 70mV instea yed total 60mV vdiff:	e 3 system:		D1.2: 1. Increasing PSE V In addition, the follo 2. Increasing system 3. Type 4 systems s	Comment Status X 33-4a (The Kipeak equation) du /diff to 10mV instead of 2mV. wing changes we made for Typ n Vdiff for Type 3 to 70mV inste stayed total 60mV vdiff:	e 3 system:	C .
SuggestedRemedy	em 7 per darshan_01_1015.p	df nage 5		SuggestedRemedy	-4a per darshan_01_1015.pdf	nade 7	
Proposed Response wait for presentation	Response Status W	ar page e.		Proposed Response wait for presentation	Response Status W		
<i>Cl</i> 33 <i>SC</i> 33.2.7.4. Darshan, Yair	1 P 85 Microsemi	L 2	# 32	CI 33 SC 33A.5 Darshan, Yair	P 172 Microsemi	L 10	# 34
1. Increasing PSE Vdi In addition, the following	Comment Status X -4b (PSE PI spec.) due to the ff to 10mV instead of 2mV. ng changes we made for Type /diff for Type 3 to 70mV insteady yed total 60mV vdiff:	e 3 system:		1. Increasing PSE V In addition, the follo 2. Increasing system	Comment Status X A.5 due to the following changes /diff to 10mV instead of 2mV. wing changes we made for Typ n Vdiff for Type 3 to 70mV inste- stayed total 60mV vdiff:	e 3 system:	
SuggestedRemedy				SuggestedRemedy			
	b per darshan_01_1015.pdf p	bage 6.			5 per darshan_01_1015.pdf pa	ge 9.	
Proposed Response wait for presentation	Response Status W			Proposed Response Wait for presentatio	<i>Response Status</i> W n		
				CI 33 SC Annex Darshan, Yair	x 33B P 173 Microsemi	L 43	# 35
				1. Increasing PSE \ In addition, the follo 2. Increasing system	Comment Status X B Table 33B-1 due to the followi /diff to 10mV instead of 2mV. wing changes we made for Typ n Vdiff for Type 3 to 70mV inste stayed total 60mV vdiff:	e 3 system:	
				SuggestedRemedy			
				,	l per darshan_01_1015.pdf pag	je 10.	
				Proposed Response Wait for presentatio	Response Status W		
TYPE: TR/technical require					Comm		

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

C/ 33 SC 33.2.7 Darshan, Yair I	P 81 Microsemi	L 21	# 36	C/ 33 Darshan, Y	SC 33.2.7 ′air	P 82 Microsemi	L 23	# 39
Comment Type T Comment Si Table 33-11 item 14, Turn on rise time	_	airset.	PSE Power	Comment ⁻ Table : The tin		Comment Status D Error delay Timing, additional set.	information:	PSE Power
SuggestedRemedy		·		Suggested				
Change "Turn on rise time" to "Turn or Proposed Response Response St PROPOSED ACCEPT.		Irset".		Chang "Delay	e from:	ay attempt subsequent poweri	ng after power re	moval because of
Cl 33 SC 33.2.7 Darshan, Yair	P 81 Microsemi	L 25	# 37		er pairset delay se of error cond	before PSE may attempt sub ition."	sequent powerin	g after power removal
Comment Type T Comment Si Table 33-11 item 15, Turn off time nee		et.	PSE Power	Proposed I PROP		Response Status W		
SuggestedRemedy Change "Turn off time" to "Turn off tim Proposed Response Response St PROPOSED ACCEPT.	• •			"Delay error c To: "Delay	ondition." before PSE ma	ay attempt subsequent poweri ay attempt subsequent poweri use of error condition."	0	
C/ 33 SC 33.2.7 Darshan, Yair I	P 82 Microsemi	L 19	# 38	C/ 33 Darshan, Y	SC 33.2.7 ′air	P 82 Microsemi	L 33	# 40
Comment Type T Comment Sa Table 33-11 item 23, Detection Timing The time to complete detection of a PI treat completion of detection for SS an SuggestedRemedy	g, additional inforr D is per a pairset		PSE Detection	Suggested	Note #1 can be Remedy	Comment Status D removed. is still under investigation. It r	nav be changed.	Editoriai
Change from: "Time to complete detec To : "The per pairset time to complete)"		Proposed I		Response Status W	, ,	
Proposed Response Response St PROPOSED ACCEPT IN PRINCIPLE				EZ				
Change from: "Time to complete detection on or To : "Time to complete detection on or								

C/ 33 SC 33.3.7.10.1 P 119 L 17 # 41 Darshan, Yair Microsemi	C/ 33 SC 33.2.7 P 79 L 49 # 43 Darshan, Yair Microsemi
Comment Type T Comment Status D Editorial The title of figure 33-18a is incorrect. SuggestedRemedy Change from "Figure 33–18a—PI fault tolerance test circuit" To: "Figure 33–18a—PD PI pair-to-pair test circuit" Proposed Response Response Status W PROPOSED ACCEPT. EZ	Comment Type TR Comment Status X Pres: Darshan2 Table 33-11 item 5. Only PSE Type 1 and 2 should support Inrush=0.4A min to Type 1 and 2 PDs. We should not force Type 3 and 4 PSEs to meet this requirement as well due to the fact that PD type 1 and 2 need to meet much higher currents than 0.9A. Rationale: a) It could be a feature and not mandatory requirements. b) System vendors cannot be liable for poorly designed PDs or non-compliant PDs. See darshan_02_1015.pdf for details. SuggestedRemedy SuggestedRemedy SuggestedRemedy SuggestedRemedy
C/ 33 SC 33.4.4 P 125 L 8 # 42 Darshan, Yair Microsemi AES Comment Type T Comment Status D AES Replace TBD with: 50 mV peak from 1MHz to 100MHz and 20 mV peak from > 1MHz and up to 500MHz. AES	In Table 33-11 item 5, restore PSE Type as 1,2 and delete "all" Proposed Response Response Status W wait for presentation. I^2*t?
SuggestedRemedy Replace TBD with: 50 mV peak from 1MHz to 100MHz and 20 mV peak from > 100MHz and up to 500MHz. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See 19	CI 33 SC 33.2.6.2 P 77 L 51 # 44 Darshan, Yair Microsemi # 44 Comment Type TR Comment Status X PSE Class Table 33-10 item 13 TCLE 3 max value needs more margin. Increase it to 20msec. PSE Class SuggestedRemedy Increase TCLE 3 max value to 20msec. Perposed Response Perposed Status W
Where did these numbers come from?	Proposed Response Response Status W TFTD. This affects total class time and power dissipation in the PD.

C/ 33 Darshan,	SC 33.2.7 Yair	P 80 Microsemi	L 7	# 45	C/ 33 Darshan, Y		3.2.7.5	P 85 Microsemi	L 40	# 47
PSE Comp	33-11 item 5a. Types 3 and 4 ca bliant PDs should	Comment Status X n support all PDs and not only stand more than 0.4A per pai t be liable for poorly designed	set or total 0.	9A.	signatu	ed to allo re PD a	nd is in th	Comment Status D e 3 or Type 4 PSE that is co le POWER_UP state to tran er the expiration of Tinrush-	sition between 2	
See d S <i>uggeste</i> In Tal	larshan_02_1015 <i>dRemedy</i> ble 33-11 item 5a				A Type POWE	e followii 3 or Ty R_UP s	ng text af pe 4 PSE tate may	ter line 40 in page 85: that is connected to a Clas transition between 2-pair an nrush-2P.		
•	<i>Response</i> or presentation	Response Status W			Proposed F PROPC	,	e EJECT.	Response Status W		
Cl 33 Darshan,	SC 33.2.7 Yair	P 79 Microsemi	L 37	# 46	use for	inrush,	just that I	in the text isn't it? There is poth pairsets must be finished and 4 pair power (when co	ed with inrush by	a certain time. PSEs
Icon-2 minm There is dor min ir E2EP	33-11 item 4a. 2P_unb is equal t um and worst ca: fore for increasin the currently or as the similar concept 2PRunb.	Comment Status X o Icut-2P minimum at its wors se Rch in terms of E2EP2PRu g design flexibility, we can spe a function of KIcut*Pclass/Vpc used in 802.3at with the additi n_01_1015.pdf page 16.	b). ecify Icon-2P_u ort_PSE-2P wh	inb as a fixed value as it ich is equal to Icut-2P	POWE What is	_		hese conditions?		
Suggeste	dRemedy	nedy in darashan_01_1015.pd	lf page 16.							
•	<i>Response</i> or presentation	Response Status W								

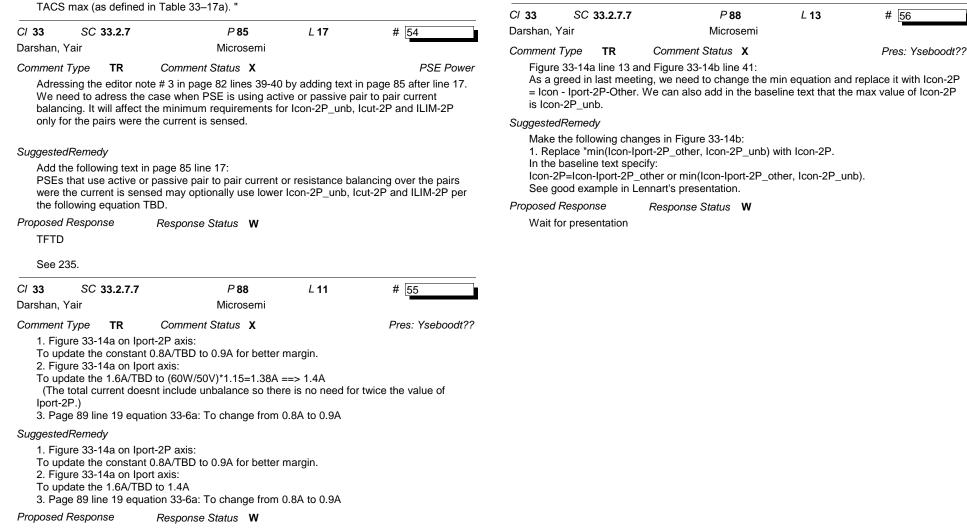
<i>CI</i> 33 Darshan, Yai	SC 33.2. ir	.4	P 83 Microsemi	L 46	# 48	C/ 33 Darshan, `		33.2.7.7	Ν	P 87 Microsemi	L 12	# 50
The Icon Rational	shan_03_1 n-TBD need e:	015.pdf I to be re	Comment Status X for details. eplaced with Icon-2P_u ce too in the positive pa		Pres: Darshan3	"When power	ext in line	oth pairset		PD, a Type		PSE Powe E should (TBD) remove erbound template" on
There is different SuggestedRe Change	no way to class sign <i>emedy</i> from:	know if i ature. In	t is single load or dual this case, no need to r	load unless the du meet Icon-2P_unb	al load present	is redu The re Power "PSE	undant. equireme shall be upperbo	ent is alrea e removec ound temp	ady covered by I from a pairset late" in Figure 3 Figure 33–14b.	of a PSE be 33–		current exceeds the
Table 33 as speci To:	3-11. PSEs fied in Tab onnected t	connect e 33-11.	ted to a dual-signature ."	PD shall meet lcc	-2P_unb as specified in	"Wher power	ve the te	ext: cted to a s oth pairset				E should (TBD) remove erbound template" on
Icon-2P_ PSEs co are not r	unb on ea onnected to required to	ch pairse a dual-s meet lco	signature PD with the et as specified in Table signature PD with a dif on-2P_unb. ated dual-signature PD	e 33-11. ferent class signat		Proposed TFTD See 5			Response Sta	atus W		
Proposed Re		Re	esponse Status W	·		C/ 33 Darshan, `		33.2.7.7	Ν	P 87 Microsemi	L 12	# 51
C/ 33 Darshan, Ya Comment Ty The text:	vpe TR	-	P 85 Microsemi Comment Status X	L 51	# 49 PSE Inrush	"When power	ext in line	oth pairset		PD, a Type		PSE Powe E should (TBD) remove erbound template" on
"For Typ to allow s	e 1 PSE, r startup trar	sients."	ment of minimum IInru and not only Type 1 P3		t to be taken after 1 ms			s to this si nove powe		ady damage	d so it is ireleva	nt if it takes TLIM or
SuggestedRo Change "For Typ	<i>emedy</i> from:	neasurei	ment of minimum Ilnru		t to be taken after 1 ms	"When power	ve the te	ext: cted to a s oth pairset				E should (TBD) remove erbound template" on
"For all F	PSE types, low startup	transien	ement of minimum IInr its."	ush-2P requireme	nt to be taken after 1	Proposed TFTD	Respon		Response Sta	atus W		
ms to all Proposed Re	esponse	Re	esponse Status 🛛 🛛 🛛 🛛 🛛 🖉									

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn SORT ORDER: Comment ID Comment ID 51

C/ 33 SC 33.2.7.	7 P 87	L 12	# 52	C/ 33	SC :	33.3.5.3	P 108	L 49-5	# 53
Darshan, Yair	Microsemi			Darshan, Y	/air		Microsemi		
Comment Type TR	Comment Status X			Comment	Туре	TR	Comment Status D		Autoclass
	14: a single signature PD, a Type rsets before the current excee			"A PD in Tabl CLASS	implem le 33–1 S_EV1.	7a), resu A PD im	t clear: utoclass shall remove its class Iting in a classification signatu plementing Autoclass carries d in section 33.3.5.1 or 33.3.5	re of '0' for the r out the rest of th	emainder of
and then power will I	from the first pair set, then all be removed from that pair set ad by the lines 10-12 therefore	too.		75.5ms	sec to 8	37.5ms w	hall remove its classification of hich is identical to the Long Fi	rst Class event	imiming
SuggestedRemedy							o 87.5msec (Table 33–17) res periode of the class event and		
	a single signature PD, a Type rsets before the current exceed			CLASS	S_EV1. "remia		LASS_EV1" is incorrect to us		
Proposed Response	Response Status W			The tex					
TFTD				Layer o	classific		utoclass carries out the rest of defined in section 33.3.5.1 or		eed further
See 50, 51, 251				"A PD Layer o	implem classific	nenting A	utoclass carries out the rest of he PD class response to the 2		s events**) as defined
				Suggested	Remed	ly			
				"A PD in Tabl **durat A PD ir Layer o	implem le 33–1 tion** of mpleme classific	nenting A 7a), resu f CLASS enting Au	toclass carries out the rest of he PD class response to rest	sification current re of '0' for the (the Physical	Delete "remainder"
				with cla is not s	ass 0 is so clear	s less tna r (what to	e fact that it takes time to PD t n CLASS_EV1 so "remainder" do with the time when it is no o start a discussion.	' may be OK to ι	use but the whole thing
				Proposed I	Respon	ise	Response Status W		
				PROP	OSED /	ACCEPT	IN PRINCIPLE.		
				Change	je to:				
				33.3.5.	.1 and 3	33.3.5.2 v	utoclass shall respond to Phys vith the exception that the PD st class event to '0' no earlier t	shall change its	classification

Comment ID 53

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Wait for presentation

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

Comment ID 56

	33.2.4.4	P 46	L 32	# 57		33	SC 33.2	4.1	P 42	L 7	# 58
Darshan, Yair		Microsemi				arshan, Ya			Microsemi		
while keepin "mr_pse_alte This variable (see Table 3 mapped to th Values:A: Th B: The PSE BOTH: The I suggestedReme	ig old text u ernative e indicates v 33¡V2). This he PSE Co he PSE use uses PSE PSE uses b edy	Comment Status D ative A + B(x) in the following nchanged: which Pinout Alternative the variable is provided by a ma ntrol register Pair Control bits is PSE pinout Alternative A. binout Alternative B. both Alternative A and Alternative	PSE uses to app anagement interf s (11.3:2) or othe	e need to correct it ly power to the lin ace that may be	t ^k S ion.	Table 33 Need to <i>suggestedR</i> Change in Table To: "Connect	"Detection -4, Table be update emedy "Detection 33–4, Table tion Checons tions in Table	n, classi 33–10, d to inc n, class le 33–1 k, Deteo able 33-	Comment Status D fication, and power turn-o and Table 33–11." lude more tables with tim ification, and power turn- 0, and Table 33–11." ction, classification, and p 3a, Table 33–4, Table 33 Response Status W	ing information. on timing shall n ower turn-on tim	neet the specifications
(see Table 3	ernative e indicates v 33-2). This v	which Pinout Alternative the variable is provided by a mar ntrol register Pair Control bit	agement interfa	ce that may be	k ion. –	PROPO EZ	SED ACC	EPT.			
Values: A: The PSE B: The PSE	uses PSE uses PSE	pinout Alternative A. pinout Alternative B. poth Alternative A and Alternative A			C D	2/ 33 Parshan, Ya Comment Ty			P 44 Microsemi Comment Status D	L 6	# <u>59</u> PSE SI
(see Table 3 mapped to th Values: A: The PSE B: The PSE BOTH1: The	e indicates v 33-2). This v he PSE Co uses PSE uses PSE e PSE uses	which Pinout Alternative the variable is provided by a mar ntrol register Pair Control bits binout Alternative A. both Alternative B. both Alternative A and Alter both Alternative A and Alter	nagement interfa s (11.3:2) or othe native B.	ce that may be		Not clea some of 1. Clarify 2. The v only with 3. the va 4. In the	r they are the conte the inten ariable PD 2P. riable PD text of PD des" inste	two sep nt). 4pair_ _4pair_o _4pair_o	nd in page 44 line 6 and parate variables or different can is for Type 3 and Typ candidate is for Type 3 ar candidate on page 45 lin oth pairsets" if we want to	nt variables (the be 4 only since 1 id 4 so I guess it es 11-15 we nee	name is different and ype 1 and 2 will work t is the correct variable. ed to use the term "on
Proposed Respo PROPOSED Why is this r A(X)	D REJECT.	Response Status W	whether the PS	E uses Alt A or Alt		<i>uggestedR</i> Clarify th 1. Delete	emedy ie use of t PD_4pai	r_can ir	variables or adopt the foll page 44 lines 6 -11. pairsets" on page 45 lines	0 ,	locations) to: "on both
					Ρ		, SED ACC	EPT IN	Response Status W PRINCIPLE.		
						TFTD ch			1 paye ++ 11105 0 -11.		

Comment ID 59

Cl 33 SC 33.2.7.7 Darshan, Yair	P 87 Microsemi	L 37	# 60	C/ 33 SC 33 Darshan, Yair	.2.4.4	P 46 Microsemi	L 52	# 62
Comment Type TR Figure 33-14 title is inco	Comment Status X prrect. Figure 33-14/a/b/c in page 6	of darshan 04	Pres: Darshan4	The variable op	TR tion_vpc	Comment Status X ort_lim need to be used in the	e Type 3 and 4 s	Pres: Bullock1 state machine.
SuggestedRemedy Replace: Figure 33–14—POWEF operate in 2-pair mode,	CON state, per pairset opera Type 3 and Type 4 dual-sign	ating current ten		If not used: Add	Editor I in the s	used in Type 3 and 4 state n Note: Editor Note: option_vpo ame way it was used in Type Response Status W	ort_lim need to b	be used in Type 3 and
	8_ON state, operating curren pe 4 PSEs that operate in 2- Response Status W		Type 1 and Type 2	C/ 33 SC 33 Darshan, Yair		P 49 Microsemi <i>Comment Status</i> D	L 10	# 63
C/ 33 SC 33.2.4.4 Darshan, Yair Comment Type TR	P 45 Microsemi Comment Status D	L 50	# 61	It is not clear if E.g. Type 3 can	Table 33 use onl	9-3 is about possible maximum y max of 1,2 or 4 and it may for type 3 we can use only 1,	use 3 events.	events
The definition of Iport-2		of darshan_04		SuggestedRemedy Group to clarify	the inte	nt.		
SuggestedRemedy Change "Iport-2P-other Output current on the c	other pairset, defined as IPo	rt-2P-other = IP	ort - IPort-2P."	Proposed Response PROPOSED AC		Response Status W		
To: Iport-2P-other Output current on the c	other pairset, defined as IPor re pairs of the same polarity.	t-2P-other =		of: "A variable indic A	ating th	lowed values for class_num_ e maximum number of classi implementation-dependent r	fication events	
Proposed Response PROPOSED ACCEPT.	Response Status W					mum. A Type 3 or 4 PSE ca accepting this comment.	n use 3 fingers	as shown in the SD.
EZ								

Darshan, Yair Microsemi Darshan, Yair Microsemi Comment Type TR Comment Status D PSE SD In the text: "When a PD requests a higher Class than a Type 3 or Type 4 PSE can support, the PSE assigns the PD Class 3, 4, or 6, whichever is the highest that it can support." Darshan, Yair Microsemi It is not clear why PSE can't assigns the PD Class 3, 4, 5 or 6, whichever is the highest and only assigns the PD Class 3, 4, 5 or 6 as currently stated. The mr_pd_class_detected is variable or function? It looks like variable and not belongs to the functions section. Is it part of the functio do_classification? In addition, there are missing values for class 5-8 or it is shown in other p SuggestedRemedy Change to: Clarify if mr_pd_class_detected is part of do_classification. If YES than mr_pd_class_detected to be alligned with the other function outputs. If NO following remedy: 1. Move mr_pd_class_detected to section 33.2.4.4	PSE SL
In the text: "When a PD requests a higher Class than a Type 3 or Type 4 PSE can support, the PSE assigns the PD Class 3, 4, or 6, whichever is the highest that it can support." It is not clear why PSE can't assigns the PD Class 3, 4, 5 or 6, whichever is the highest and only assigns the PD Class 3, 4, 5 or 6 as currently stated. SuggestedRemedy Change to: The mr_pd_class_detected is variable or function? It looks like variable and not belongs to the function section. Is it part of the functio do_classification? In addition, there are missing values for class 5-8 or it is shown in other p SuggestedRemedy Change to:	PSE SI
"When a PD requests a higher Class than a Type 3 or Type 4 PSE can support, the PSE assigns the PD Class 3, 4, or 6, whichever is the highest that it can support." It looks like variable and not belongs to the functions section. It is not clear why PSE can't assigns the PD Class 3, 4, 5 or 6, whichever is the highest and only assigns the PD Class 3, 4, 5 or 6 as currently stated. It looks like variable and not belongs to the functions section. SuggestedRemedy Change to: It looks like variable and not belongs to the functions section.	
and only assigns the PD Class 3, 4, 5 or 6 as currently stated. SuggestedRemedy Change to: SuggestedRemedy Change to: SuggestedRemedy Class 3, 4, 5 or 6 as currently stated. SuggestedRemedy Class 3, 4, 5 or 6 as currently stated. SuggestedRemedy Class 4, 5 or 6 as currently stated. SuggestedRemedy Su	lace?
SuggestedRemedy mr_pd_class_detected to be alligned with the other function outputs. If No Change to: following remedy:	
"When a PD requests a higher Class than a Type 3 or Type 4 PSE can support, the PSE assigns the PD Class 3, 4, **5, ** or 6, whichever is the highest that it can support." Clarify where class 5-8 is used in mr_pd_class_detected or follow the sug	ggested remedy:
Proposed Response Response Status W Proposed Response Response Status W	
PROPOSED REJECT. PROPOSED ACCEPT IN PRINCIPLE.	
This is physical layer class and is decribing power demotion. A PSE cannot demote to class 5 since the PD can only tell the difference between 3 class events (class 4) and 4 class events (class 6). It is part of the do_classification function. Cl 33 SC 33.2.4.6 P 51 L 37 # 65	aligns with the
Darshan, Yair Microsemi EZ	
Comment Type TR Comment Status X PSE SD Cl 33 SC 33.2.4.7 P 55 L1	# 67
Adressing dual signature class codes by limiting DS PDs to up to value 4 (class 5). Darshan, Yair Microsemi	
SuggestedRemedy Comment Type TR Comment Status D	
Replace the editor note with the following text: Figure 33-9 is Type 1 and 2 state diagram. Dual signature PDs is limited to use up to value 4 (class 5) per pairset. We agree that for Type 3 and 4 we will generate new state machine and v Proposed Perpense Replace the editor note with the following text: and 2 state machine as it is in IEEE802.3-2012 version.	we leave Type 1
rioposed Response Status W	
I don't think that the suggested text covers the entirety of the editor's note. To verify with Dan Dove if it was changed. If Yes, to restore to the IEEE802.3-2012 version we will not have to spend	d time to review it.
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.	
We reverted to the original Figure 33-9.	
No changes result from this comment.	
eZ	

Comment ID 67

C/ 33 SC 33.2.6.3 P 78 L 7 # 68 Johnson, Peter Sifos Technologies 68	C/ 33 SC 33.3.5.2 P 107 L 7 # 70 Johnson, Peter Sifos Technologies
Comment Type E Comment Status D Editorial	Comment Type T Comment Status X PD Class
"Please see" seems like unusual language for a standard.	Per earlier comment to D1.2, I still see the state variable names "class_sig_A" and "class_sig_B" as asking for trouble and creating confusion with Dual-Signature PD
Engineers usually aren't that polite.	classification.
SuggestedRemedy	Prior response was AIP but needing a better substitute.
Replace "Please see" with just "See".	SuggestedRemedy
Proposed Response Response Status W PROPOSED ACCEPT.	Solution 1: Change 'class_sig_A' to 'class_sig_init'
EZ	Change 'class_sig_B' to 'class_sig_final'
Cl 33 SC 33.2.7.5 P 86 L 24 # 69 Johnson, Peter Sifos Technologies 69	Solution 2 (picture the 2 and 3 events?): Change 'class_sig_A' to 'class_sig_U' Change 'class_sig_B' to 'class_sig_W'
Comment Type E Comment Status X PSE Inrush "Figure 33-13 - Iinrush-2P current" figure description is missing a reference to Inrush from Table 33-11, item 5.	Solution 3: Change 'class_sig_A' to 'class_sig_m' Change 'class_sig_B' to 'class_sig_n'
SuggestedRemedy	Change will require search and replace over 33.3 portions of document.
Re-title this to "Figure 33-13- linrush and linrush-2p current"	Proposed Response Response Status W
Proposed Response Response Status W	TFTD
See 239.	C/ 33 SC 33.3.5.3 P 108 L 47 # 71 Johnson, Peter Sifos Technologies Sifos Technologies
	Comment Type E Comment Status D Editoria. Another "Please see"
	Engineers aren't that polite.
	SuggestedRemedy Replace "Please see" with "See".
	Proposed Response Response Status W PROPOSED ACCEPT.
	I am that polite (and I wrote it).
	EZ

C/ 33 SC 33.3.5.3 P 108 L 49 # 72	Cl 33 SC 33.3.5.3 P109 L1 # 73
Johnson, Peter Sifos Technologies	Johnson, Peter Sifos Technologies
Comment Type T Comment Status D Autoclass The phrase "A PD implementing Autoclass shall remove its classification current at Tacs (as defined in Table 33-17a), resulting in a classification signature of '0' for the remainder of CLASS_EV1." suggests 0mA class signature. This is inconsistent with 33.2.6.2 where it states "Iclass in the range of Class 0 after Tacs". So what is the actual requirement ? Class 0 or 0 mA ? (note this does have a 'shall' in it) Also, this requirement only has meaning if CLASS_EV1 is an LCF. In the PSE State Diagram, that state is now CLASS_EV1_LCF. We should stipulate that this only happens given Type 3 or Type 4 PSE.	Comment Type T Comment Status D Autoclass Current text is: "After power up, a PD implementing Autoclass shall draw its highest required power throughout the period bounded by" So what happens when a Type 3 or Type 4 PSE cannot support Pclass_pd for this PD? Full loading by the PD during Autoclass will lead to power cycling with the PSE. Either the PD must restrict Autoclass load to its maximum power requirement GIVEN any particular power grant from the PSE (e.g. 13W, 25.5W, etc) or the Autoclass process needs to somehow abort.
SuggestedRemedy Alter the phrase to: "When connected to a Type3 or Type 4 PSE, a PD implementing Autoclass shall present a Class 0 signature starting at Tacs (as defined in Table 33-17a) for the remainder of CLASS_EV1_LCF." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. See 53	SuggestedRemedy Assuming the solution is that PD's must restrict Autoclass loads to PD's maximum power requirement *GIVEN* any particular power grant from the PSE: "After power up, a PD implementing Autoclass shall draw its highest required power, in accordance with the pse_power_level resolved during classification, throughout the period bounded by" Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. OBE by 182.

CI 33		P 79	L 33	# 74	C/ 33	SC 33.2.4	1	P 42	L 23	# 76	
lohnson, Pe	SC 33.2.7 ter	Sifos Techno		π [14	Johnson, Pe			Sifos Techno		# <u>1</u> 0	
Comment Ty		Comment Status X		lcon	Comment Ty		Commen	Status D		Edi	torial
Icon in T POWER	, able 33-11, ite _ON state". ∃	em 4, is defined as the "Conti The minimum value is then e	xpressed as Pcla	ut current capability in uss/Vport_pse_2p.	"If a PSE	,	letection using A		e 33.2.5.5)" is a		tonar
This the	n requires that	t Pclass is the total power fur	nished by a PSE	to a PD.	SuggestedR	emedy					
Pclass a	pplies to each	n 33.2.6 added (p. 70, line 52) n pairset independently." Thi on of the Pclass equation who	is statement is a	so a problem with			and including pa		ust say: detection backo	ff requirements."	
powering	g using tow pa	airsets".	-		Proposed Re	esponse	Response	Status W			
These e	lements are co	ontradictory and must be reco	onciled.		PROPO	SED ACCE	PT.				
SuggestedR	emedy				EZ						
This may	y be a smaller	r piece of a bigger issue relati constitute dual independent lo	ing to Dual Signa	ture PD's and whether	C/ 33	SC 33.2.5	5	P 70	L 14	# 77	
		air-pair unbalance. Or if they a			Johnson, Pe			Sifos Techno			
unbalan	ce interfers wi	th policing per pairset.			Comment Ty	vpe E	Commen	Status D	0	Ba	ckoff
		solution at this point for fear th		easy fix until more	33.2.5.5	was refere				using "only Alternat Alternative B" here a	
funatme	nial issues ab	oout dual signature PD's are re	esolved.		B" (Se well.	e 33.2.4.1)	So to be cons	sterit, suggest s	specifying only A	Allemative D Tiele a	S
If nothing	g else, an edit	tors comment adjacent to Tab 1 are not presently consistent	ole 33-11 indicati		well. SuggestedR	emedy			ernative B (see 3		S
If nothing as used	g else, an edit in Table 33-1	tors comment adjacent to Tab	ole 33-11 indicati		well. SuggestedR "If a PSE	emedy E that is per		n using only Alte	ernative B (see 3		S
lf nothing as used PD's.	g else, an edit in Table 33-1	tors comment adjacent to Tab 1 are not presently consistent	ole 33-11 indicati		well. SuggestedR "If a PSE	emedy E that is per v, there is n	forming detectio	n using only Alte	ernative B (see 3		S
If nothing as used PD's. Proposed Re TFTD	g else, an edit in Table 33-1	tors comment adjacent to Tab 1 are not presently consistent	ole 33-11 indicati		well. SuggestedR "If a PSE This way Proposed Re	emedy E that is per v, there is n	forming detectio o confusion with <i>Response</i>	n using only Alte 4-pair detection	ernative B (see 3		S
If nothing as used PD's. Proposed Re TFTD CI 33	g else, an edit in Table 33-1 esponse SC 33.2.0a	tors comment adjacent to Tab 1 are not presently consistent <i>Response Status</i> W	ble 33-11 indicati t with the handlin <i>L</i> 47	g of Dual Signature	well. SuggestedR "If a PSE This way Proposed Re PROPO	emedy E that is per I, there is n esponse SED ACCE	forming detectio o confusion with <i>Response</i> PT.	n using only Alte 4-pair detection Status W	ernative B (see 3 a cases.	33.2.3)"	s
If nothing as used PD's. Proposed Re TFTD C/ 33 Johnson, Pe	g else, an edit in Table 33-1 esponse SC 33.2.0a ter	tors comment adjacent to Tab 1 are not presently consistent Response Status W P 32	ble 33-11 indicati t with the handlin <i>L</i> 47	g of Dual Signature	well. SuggestedR "If a PSE This way Proposed Re	emedy E that is per v, there is n esponse SED ACCE SC 33.2.6	forming detectio o confusion with <i>Response</i> PT.	n using only Alte 4-pair detection <i>Status</i> W	ernative B (see 3 a cases.		s
If nothing as used PD's. Proposed Re TFTD CI 33 Johnson, Pe Comment Ty In Table	g else, an edit in Table 33-1 esponse SC 33.2.0a ter <i>pe</i> E 33-1a, under	tors comment adjacent to Tab 1 are not presently consistent <i>Response Status</i> W <i>P</i> 32 Sifos Techno <i>Comment Status</i> D "Supports 4-pair power", the	ble 33-11 indicati t with the handlin <i>L</i> 47 logies phrase "Allowed	g of Dual Signature # 75 Types " is used to say that	well. SuggestedR "If a PSE This way Proposed Re PROPO C/ 33 Johnson, Pe	emedy E that is per v, there is n esponse SED ACCE SC 33.2.6 ter	forming detectio o confusion with <i>Response</i> PT.	n using only Alta 4-pair detection <i>Status</i> W <i>P</i> 71 Sifos Techno	ernative B (see 3 a cases.	33.2.3)" # <u>78</u>	
If nothing as used PD's. Proposed Re TFTD CI 33 Johnson, Pe Comment Ty In Table Type-3,	g else, an edit in Table 33-1 esponse SC 33.2.0a ter <i>pe</i> E 33-1a, under	tors comment adjacent to Tab 1 are not presently consistent <i>Response Status</i> W <i>P</i> 32 Sifos Techno <i>Comment Status</i> D "Supports 4-pair power", the SE's may provide 2 or 4 pair p	ble 33-11 indicati t with the handlin <i>L</i> 47 logies phrase "Allowed	g of Dual Signature # 75 Types " is used to say that	well. SuggestedR "If a PSE This way Proposed Re PROPO C/ 33 Johnson, Pe Comment Ty	emedy E that is per v, there is n esponse SED ACCE SC 33.2.6 ter vpe E	forming detection o confusion with <i>Response</i> PT. Comment	n using only Alte 4-pair detection <i>Status</i> W <i>P</i> 71 Sifos Techno <i>Status</i> D	ernative B (see 3 n cases.	33.2.3)" # [<u>78</u> Edi	torial
If nothing as used PD's. Proposed Re TFTD CI 33 Johnson, Pe Comment Ty In Table Type-3, for table	g else, an edit in Table 33-1 esponse SC 33.2.0a ter <i>vpe</i> E 33-1a, under Class 3&4 PS s in the standa	tors comment adjacent to Tab 1 are not presently consistent <i>Response Status</i> W <i>P</i> 32 Sifos Techno <i>Comment Status</i> D "Supports 4-pair power", the SE's may provide 2 or 4 pair p	ble 33-11 indicati t with the handlin <i>L</i> 47 logies phrase "Allowed	g of Dual Signature # 75 Types " is used to say that	well. SuggestedR "If a PSE This way Proposed Re PROPO Cl 33 Johnson, Pe Comment Ty Equatior	emedy E that is per v, there is n esponse SED ACCE SC 33.2.6 ter vpe E n 33-3 was i	forming detection o confusion with <i>Response</i> PT. Comment	n using only Alte 4-pair detection <i>Status</i> W <i>P</i> 71 Sifos Techno <i>Status</i> D per place relativ	ernative B (see 3 a cases.	33.2.3)" # [<u>78</u> Edi	
If nothing as used PD's. Proposed Re TFTD CI 33 Johnson, Pe Comment Ty In Table Type-3, for table SuggestedR	g else, an edit in Table 33-1 esponse SC 33.2.0a ter <i>vpe</i> E 33-1a, under Class 3&4 PS s in the standa	tors comment adjacent to Tab 1 are not presently consistent <i>Response Status</i> W <i>P</i> 32 Sifos Techno <i>Comment Status</i> D "Supports 4-pair power", the SE's may provide 2 or 4 pair p ard.	ble 33-11 indicati t with the handlin <i>L</i> 47 logies phrase "Allowed	g of Dual Signature # 75 Types " is used to say that	well. SuggestedR "If a PSE This way Proposed Re PROPO Cl 33 Johnson, Pe Comment Ty Equatior descripti SuggestedR	emedy E that is per v, there is n esponse SED ACCE SC 33.2.6 ter vpe E n 33-3 was n ons for Eq. emedy	forming detection o confusion with <i>Response</i> PT. PT. <i>Comment</i> moved to its proj 33-3 were not m	n using only Alta 4-pair detection <i>Status</i> W <i>P</i> 71 Sifos Techno <i>Status</i> D per place relative oved.	ernative B (see 3 a cases. <i>L</i> 22 logies e to text, howeve	83.2.3)" # [<u>78</u> Edi er, the variable	
If nothing as used PD's. Proposed Re TFTD Cl 33 Johnson, Pe Comment Ty In Table Type-3, for table SuggestedR	g else, an edit in Table 33-1 esponse SC 33.2.0a ter ppe E 33-1a, under Class 3&4 PS s in the standa emedy "Allowed" with	tors comment adjacent to Tab 1 are not presently consistent <i>Response Status</i> W <i>P</i> 32 Sifos Techno <i>Comment Status</i> D "Supports 4-pair power", the SE's may provide 2 or 4 pair p ard.	ble 33-11 indicati t with the handlin <i>L</i> 47 logies phrase "Allowed	g of Dual Signature # 75 Types " is used to say that	well. SuggestedR "If a PSE This way Proposed Re PROPO Cl 33 Johnson, Pe Comment Ty Equatior descripti SuggestedR	emedy E that is per v, there is n esponse SED ACCE SC 33.2.6 ter vpe E n 33-3 was n ons for Eq. emedy	forming detection o confusion with <i>Response</i> PT. PT. <i>Comment</i> moved to its proj 33-3 were not m	n using only Alta 4-pair detection <i>Status</i> W <i>P</i> 71 Sifos Techno <i>Status</i> D per place relative oved.	ernative B (see 3 n cases.	83.2.3)" # [<u>78</u> Edi er, the variable	

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: Comment ID

Comment ID 78

C/ 33 SC 33.2.6 Johnson, Peter	P 72 Sifos Technol	L 7 ogies	# 79	C/ 33 SC 33.2.6 Johnson, Peter	5.2 P 74 Sifos Techr	L 33 nologies	# 81
Comment Type E "NOTE 1" pertains spe- should be communincated	Comment Status D cifically to Pclass in heade d.	er of column 3 of	<i>Editorial</i> Table 33-7. This	0.1	Comment Status D h "- as defined in the state di	0 0	
, , , , , , , , , , , , , , , , , , ,	n 3 heading with either for Response Status W	otnote "1" or "se	e NOTE 1".	SuggestedRemedy	e could be to different or addit te Figure reference when state <i>Response Status</i> W :PT.	-	
C/ 33 SC 33.2.6 Johnson, Peter	P 73 Sifos Technol	L 37 ogies	# 80	C/ 33 SC 33.2.6		L 37	# 82
Comment Type T Regarding Type-1 PSE cl Classes 0 up to and inclu-	<i>Comment Status</i> D assification with single even ding 4, as listed in Table 3		PSE Class ification results are	Johnson, Peter <i>Comment Type</i> E Missing space betw	Sifos Techr Comment Status D veen "5" and "Class".	lologies	Editoria
		ts. This is most	ly non-normative, old	SuggestedRemedy Change to " maxi Proposed Response PROPOSED ACCE OBE by 159	mum of 5 Class and 5 mark ev <i>Response Status</i> W PT IN PRINCIPLE.	vents."	
"Single-Event Physical 0, 1, 2, 3, or 4 as listed in Class 0. If a Type-1 PSE				EZ			
	be-1 PSE_treatment of cla Response Status W	iss 4 already exis	sts in 33.2.6.1.				

C/ 33 SC 33.2.6.2 P75	L 22	# 83	C/ 33 SC	C 33.2.6.2	P 76	L 7	# 85
Johnson, Peter Sifos Tech	nologies		Johnson, Peter		Sifos Techno	ologies	
Comment Type T Comment Status D		PSE Class	Comment Type	т	Comment Status D		PSE Class
The phrase "PSEs that implement CLASS_EV1 of state machine behavior squeezed between ot			" The PSE	E shall classify	the PD only once. Class	sification "	
electrical characteristics.	ner paragraphs ina	t are describing	Once for all	time? (there	is a "shall" here)		
Also, "PSEs that implement CLASS_EV1_LCF" PSEs".	is a wordy way of s	aying "Type 3 and 4		st half of this p into two para	aragraph seems to apply graphs.	to Single-Signat	ure PD's. Suggest
SuggestedRemedy Move this sentence down by 2 or 3 paragraphs t	o present line 40 (j	ust before "If the result	Finally, the "See Annex	2nd to last ser 33D" is the	ntence "See Annex 33E one that belongs.	" needs to go - tl	ne following sentence
of the first Class".			SuggestedRem	edy			
Change "PSEs that implement CLASS_EV1_LC	F" to "Type 3 and 1	Гуре 4 PSEs".	Modify to:				
Proposed Response Response Status W PROPOSED ACCEPT.			" The PSE Classificatio		the PD only once followi	ng successful de	tection.
C/ 33 SC 33.2.6.2 P 75 Johnson, Peter Sifos Tech	L 52 inologies	# 84	Start new pa skip"	aragraph with	'A Type 3 or Type 4 PSE	connected to a	dual-signature PD shall
Comment Type E Comment Status D		PSE Class	Remove 2n	d to last sente	nce starting with "See An	inex 33E".	
"detected during CLASS_EVE1_LCF is a 0, a signature PD as a Type 1 PD and shall omit the classify the PD according to the result of the first	subsequent mark a		Proposed Resp PROPOSEI	onse D ACCEPT.	Response Status W		
Since we know the first class event is 0, save so	me words.		C/ 79 SC	C 79.3.2	P 9	L 53	# 86
SuggestedRemedy			Skinner, John		Sifos Techno	ologies, In	
Change to:			Comment Type	ER	Comment Status D		TL
"detected during CLASS_EVE1_LCF is a 0, a signature PD as a Type 1 PD and shall omit the classify the PD as Class 0."			"TLV inform	ation string leants" and "PSE	MDI TLV format, the TLV ngth = 14". This does not Measurements", which a	account for the a	additional fields "PD
Proposed Response Response Status W			SuggestedRem	edy			
PROPOSED ACCEPT.			Correct the indicate "I	TLV information of the second structure of the second	on string length in Figure	79-3-Power Via	MDI TLV format to
			Proposed Resp	onse	Response Status W		
			PROPOSEI	D ACCEPT.			

τιv

CI 79	SC 79.3.2	P 9	L 27	# 87
Skinner, Jo	bhn	Sifos Technolo	ogies, In	

Comment Type TR Comment Status X

Draft P802.3/D1.3 contains a modified Figure 79-3-Power Via MDI TLV format. This same figure designation was used in the 802.3at specification to define the Power Via MDI TLV format. Modifying Figure 79-3 is invalid, as it would therefore modify the specification of how the Power Via MDI TLV (in use today by Type 2 PSEs and PDs that conform to 802.3at)is formatted.

(There should be no expectation that existing parsers will recognize the new format, as the length field is the ONLY distinguishing characteristic that is now used to determine whether the received TLV is the old form defined by 802.1AB or the new form defined by 802.3at. This new form will indicate a different length, forcing newer parsers to handle 3 possible formats...).

The existing figure could be altered in such a way as to show the existing 12 octet version, and the extensions for the new (currently 22 byte) version. However, this would lead to an overly complicated figure. It would be much clearer to use a separate figure to describe the (extended, revised) TLV.

SuggestedRemedy

Remove the edits from "Figure 79-3-Power Via MDI TLV format", restoring it to the same figure as originally published in 802.3at.

Add a new figure, titled "Figure 79-3a-Power Via MDI TLV extended format", at the top of page 10, to document the new 22 octet form of the Power Via MDI TLV.

Modify the existing last two sentences in the explanatory paragraph located between lines 32 and 33 on page 9, which read:

"This TLV is also required to perform Data Link Layer classification as defined in 33.6. Figure 79–3 shows the format of this TLV."

to this statement:

"This TLV is also required to perform Data Link Layer classification as defined in 33.6. The format of the TLV to be used to perform Data Link Layer classification by Type 2 PSEs and PDs is shown in Figure 79–3. The format of the TLV to be used to perform Data Link Layer classification by Type 3 and Type 4 PSEs and PDs is shown in Figure 79-3a."

Proposed Response Response Status W

TFTD

C/ 33	SC 33.3.5.3	P 109	L 13	# 88
Skinner, Joh	n	Sifos Tech	nologies, In	
Comment Ty	vpe T	Comment Status D		Autoclass

Tacs Max 87.5ms as defined in Table 33-17a does not appear to provide sufficient margin for a PD that supports Autoclass to be correctly recognized by a PSE that supports Autoclass.

A PSE is allowed to terminate CLASS_EV1_LCF at Tlcf min 88ms (as defined in Table 33-10). If there is any timer inaccuracy between the PSE and PD, the 500usec margin afforded by Tacs max could lead to a case where a PDs autoclass capability will not be identified, even though that PD is changing the class signature within the specified time frame. (would admittedly be poor design practice, but conformant)

A conservative approach would be to reduce the value of Tacs Max in Table 33-17a, to provide adequate margin to account for any timer inaccuracy between the PSE and PD.

SuggestedRemedy

Change the value of Tacs Max in Table 33-17a, Item 1 to 85.5 ms.

Proposed Response Response Status W

PROPOSED REJECT.

This value was increased in D1.3 due to PD timing margin requirements. It is up to the PSE to check the PD class current before it ends the LCF. 88ms is a minimum. I imagine most PSEs will have a timer set for 95ms or so and then will check the class current and then transition to mark...

CI 79 SC 79.3.2 P 10 L 3 # 89 Skinner, John Sifos Technologies, In	Cl 79 SC 79.3.2.2 P 10 L 44 # 90 Skinner, John Sifos Technologies, In						
Comment Type ER Comment Status X TLV	Comment Type E Comment Status D T						
There is an explanatory paragraph at the top of Page 10 that describes the revisions made to the legacy Power via MDI TLV originally defined by 802.1AB.	IETF RFC 3621 pethPsePortPowerPairs only defines "signal(1)" and "spare(2)". There is no allowance for other integer values (for example, 0 indicating unknown, or 3 indicating both pairs).						
As the 802.3bt specification is again revising the Power via MDI TLV (most recently revised by and defined in 802.3at), an additional explanatory paragraph is warranted to describe the extensions that are being added to support Type 3 and Type 4 devices.	SuggestedRemedy Add sentence at the end of the existing paragraph that is located on lines 43 and 44:						
SuggestedRemedy Add the following sentence to the end of the paragraph on Page 10, line 10:	"Type 3 or Type 4 PSEs that are furnishing power on a single pairset shall use the value that defines that pairset (signal=Alternative A, spare=Alternative B). Either pairset may be indicated when furnishing power on both pairsets, as that condition is communicated by the						
"The TLV shown in Figure 79-3 has been and will continue to be used by Type 2 power entities."	PSE power status value field defined in 79.3.2.6a."						
childo.	Proposed Response Response Status W						
Insert the following paragraphs after line 11, before the heading '79.3.2.1 MDI power support':	PROPOSED ACCEPT.						
	C/ 79 SC 79.3.2.5 P12 L14 # 91						
"The TLV shown in Figure 79-3a is a revision of the Power Via MDI TLV originally defined in 802.3at-2009 clause 79.3.2, and defines an extended format which includes additional	Skinner, John Sifos Technologies, In						
fields that shall be used by Type 3 and Type 4 power entities.	Comment Type T Comment Status D T						
In order to support Type 2 PDs, Type 3 and Type 4 PSEs will need to be able to recognize the TLV shown in Figure 79-3, as well as the TLV shown in Figure 79-3a. Per 79.3.2.7,	The valid values for the requested power value field in Table 79-5 have been changed fron "decimal 1 through 255" to "decimal 1 through 999".						
only one format TLV should be present in an LLDPDU."	This field as defined for use by Type 2 power entities was the range "decimal 1 through 255". Values greater than 255 are not valid for pre-existing Type 2 implementations.						
[NOTE that the figure reference in this remedy is related to acceptance of the comment that requires that a new figure titled "Figure 79-3a-Power Via MDI TLV extended format" be	SuggestedRemedy						
added to 79.3.2.]	Change the statement in the Value/meaning column of Table 79-5 to:						
Proposed Response Response Status W TFTD	"Valid value for these bits are decimal 1 through 255 for Type 2 PDs, and decimal 1 through 999 for Type 3 and Type 4 PDs."						
	Proposed Response Response Status W						
	PROPOSED ACCEPT.						

C/ 79 SC 79.3.2.6	P 12	L 38	# 92		CI 33	SC :	33.2.6		P 71	L 20	# 94
Skinner, John	Sifos Technol	ogies, In			Skinner, Jo	ohn			Sifos Techno	ologies, In	
Comment Type T	Comment Status D			TLV	Comment	Туре	Е	Commer	t Status D		Editoria
	requested power value field to "decimal 1 through 999".		ave been changed	I from			cussing <i>A</i> om Table		ised PSE minim	num power setting	g refers to non-existent
This field as defined for 255". Values greater the	use by Type 2 power entitie han 255 are not valid for pre-	s was the range -existing Type 2	e "decimal 1 throug implementations.	Jh	Suggested The er	-	·	tence on line	es 19 and 20:		
SuggestedRemedy					"ma\	choos	e to use a	a lower Auto	class margin the	an those listed in	Table 33-10a."
Change the statement in	n the Value/meaning columr	n of Table 79-6 t	to:						Ū		
"Valid value for these bi	ts are decimal 1 through 255	5 for Type 2 PSI	Es and decimal 1		should	be cha	nged to r	efer to the c	orrect location of	of the margin info	rmation:
through 999 for Type 3	and Type 4 PSEs. When a 1	Type 3 or Type 4	4 is furnishing pow	er to	"may	choose	e to use a	a lower Auto	class margin the	an those listed in	Equation (33-3a)."
	alues will be limited to the T	ype 2 range, de	ecimal 1 to 255."		Proposed I	Respon	se	Response	Status W		
Proposed Response	Response Status W				PROP	OSED /	ACCEPT.				
PROPOSED ACCEPT.					EZ						
C/ 33 SC 33.2.6 Skinner, John	P 70 Sifos Technol	<i>L</i> 48 ogies, In	# 93		C/ 33		33.2.6		P 72	L7	# 95
Comment Type E	Comment Status D	0	F	ditorial	Skinner, Jo	ohn			Sifos Techno	ologies, In	
Description of classifica	tion missing clarifying langua	age.	L	anonai	Comment Table 3		E olumn hea		et Status D	tion Events" is no	PSE Clas ot fully descriptive, and
SuggestedRemedy									ole is trying to c		
Replace:					Suggested	Remed	У				
"the PD responds with	a current representing a lin	nited number of	power classification	ons."	Chang	e colum	nn headin	ig:			
with:					"Numb	er of Cl	assificati	on Events"			
"the PD responds to e number of power classif	ach class event with a curre	ent representing	one of a limited		to:						
Proposed Response	Response Status W							on Events R	equired to Achie	eve Minimum sup	oported power levels."
PROPOSED ACCEPT.					Proposed I	,		'	Status W		
					PROP	OSED /	ACCEPT.				
EZ											

C/ 00 SC 0	Р	L	# 96	C/ 33	SC	33.3.5.2		P 106	L 48	# 98
Skinner, John	Sifos Technolo	ogies, In		Skinner, J	ohn		S	Sifos Techno	logies, In	
Comment Type E	Comment Status D		Editorial	Comment	Туре	Е	Comment St	atus D		PD Class
There are a number	of sentence constructs that use	the "Oxford" co	mma style, example:							vn in Figure 33-16. The
"MARK_EV1, MAR	RK_EV2, MARK_EV3, or MARK_	_EV4"					s (CLASS_EV5 t		s and text in sub	clause 33.2.6 only
	do not use this form, where the la		•		appear ause 33		o use of, and the	refore no ne	ed to describe a	sixth class event in
"MARK_EV1, MAR	RK_EV2, MARK_EV3, MARK_EV	√4 and MARK_I	EV_LAST".	Suggested	dRemed	ly				
	d use a consistent comma style enter's preference is the Oxford		ple associated				EV6" from the p 6" from Figure 3		line 48, and rem	ove the state
Proposed Response PROPOSED ACCEF	Response Status W						ted, it will also be der 3.3.5.2.1, pag			CLASS_EVENT6" from
PROPOSED ACCEP	1.			Proposed	Respor	ise	Response Sta	atus W		
A man after my own	heart			PROF	POSED	REJECT.				
EZ C/ 33 SC 33.2.7.		L 46	# 97	It is ne	eded, j	ust as cla		defined as pa	art of AT. Define	s event greater than 5. ed behaviors make
Skinner, John	Sifos Technolo	ogies, in		C/ 33	SC	33.3.5.2		P 106	L 47	# 99
Comment Type ER	Comment Status D		Pres: Darshan3	Skinner, J	ohn		S	Sifos Techno	logies, In	
"as specified in Table	the parameter name Icon-TBD	when discussin	ig dual-signature PDs,	Comment	Туре	Е	Comment St	atus D		Editorial
•	er named Icon-TBD in Table 33-	11.		"DO_(match	CLASS_ the sta	_EV4", "De te names		", and "DO_0 e diagram sł	CLASS_EV6" us nown in Figure 3	ASS_EV3", ed in the text do not 3-16. The state names
	Icon-TBD" to Table 33-11, identi		If this parameter is not	Suggested				00_2 12	• •	
yet worked out, the N	In and Max values should be lis	sted as TBD.		00			ha states listed i	n lines 17 ar	d 48 to match th	ne names used in the
Alternatively - replace	e the reference to "Icon-TBD" in	33.2.7.4 line 46	6 with the parameter				n Figure 33-16.			
	remainder of the normative state			Proposed	Respor	se	Response Sta	atus W		
	set, and the existing parameter le If this remedy is accepted, the p			PROF	OSED	ACCEPT.	•			
	graph on page 84 line 1 will also			EZ						

Response Status W

Proposed Response

Wait for presentation

CI 33 SC 33.2.7	P 80	L 25	# 100	CI 33	SC 33.2.6	P72	L 16	# 101
Beia, Christian	STMicroelectr	onics		Beia, Christ	lian	STMicroelec	tronics	
1.14*Icable. It can be calculated usi SuggestedRemedy	Comment Status D P is explicit for all classes, ex ng Icable definition in Table 3	33-1 (0.6A for Ty	ypes 2,3)	clearer Today	3-7 values can be , and easily rea	Comment Status D defined as a single number, adable. compare Pclass with Ptype.		·
Replace Ilim_2P, colun Proposed Response PROPOSED ACCEPT.	nn min, row PSE Type 2, 1.1 Response Status W	4*lcable, with 0.	684	lcabl 2* lc		E_2p_min for Types1,2, and 3 SE_2p_min for Type3 classe		
short circuit min could t Should we do somethin	e for Type 2 during AT so tha be lower (I cable = 0.35). Ing similar for Types 3 and 4, BE to take on electrical chara	or is this covere	d by the sentence that	0.354 0.6A 0.964 - Vport 44V f 50V f	e definition in T A for Type1; for Types2,3; A for Type4. _PSE_2p_min or Type1; or Types2,3; or Type4.	able 33-1: definition in Table 33-11:		
				- 15.4W - 30.0W - 60.0W - 90W 1 So, at t	/ for Type 1 / for Type 2 ar / for Type 3 cla for Type4 he end Ptype	ulation of Ptype is: ad Type 3 classes 0-4 asses 5-8 s never lower than the define ction to Pclass.	d Pclass and car	n be removed since it
				Suggestedi Change	e Table 33-7, t	hird column (Pclass), classes	4 to 8, as follows	s:

Class 4: 30W Class 5: 45W Class 6: 60W Class 7: 75W Class 8: 90W

Comment ID 101

Proposed Response Response Status W PROPOSED REJECT.	C/ 33 SC 33.3.7.2 P 112 L 23 # 103 Bennett, Ken Sifos Technologies, In
This language was extended from the definition of class 4 in this table from AT. If a Type 3 PSE gets connected to a Type 4 PD that is asking for class 8, the minimum supported power is the Ptype for Type 3 (60W), not 90W	Comment Type ER Comment Status X PD Power It's not clear that the PClass_PD limit in table 33-18 is determined by the Class assigned (or allocated) by the PSE. The suggested remedy adds a clarifying sentence to 33.3.7.2.
C/ 33 SC 33.2.7 P 81 L 7 # 102 Beia, Christian STMicroelectronics 102	SuggestedRemedy Add the following after the first sentence of 33.3.7.2:
Comment Type ER Comment Status D PSE Power Table 33-11 PSE power type minimum value can be calulated instead of leaving the burden to the reader. This makes the table please and engine minimum value.	PClass_PD in table 33-18 is determined by the Class assigned by the PSE. Proposed Response Response Status W TFTD is this clarification is needed.
This makes the table clearer and avoids misinterpretations. - Icable definition in Table 33-1: 0.35A for Type1; 0.6A for Types2,3; 0.96A for Type4.	Cl 33SC 33.3.2P 97L 1# 104Bennett, KenSifos Technologies, InComment TypeTComment StatusDPD Class
- Vport_PSE_2p_min definition in Table 33-11: 44V for Type1; 50V for Types2,3; 52V for Type4.	The second sentence at the top of the page states: Type 4/DS PDs only advertise Class 5. Which does not match the two statements below:
The result of the calculation of Ptype is: - 15.4W for Type 1 - 30.0W for Type 2 and Type 3 classes 0-4 - 60.0W for Type 3 classes 5-8	Pg 96, Ln 54: "Type 4/DS PDs advertise a Class signature of 5 on at least one pairset." Pg 107, Ln 45: "Dual-signature PDs may advertise a different Class signature on each pairset." SuggestedRemedy Change pg 97 Line 1 to:
SuggestedRemedy Change Table 33-11 Item 12: - split the first row and make one for PSE Type1 and another for PSE Type 2 - For PSE Type 1 replace comumn Min Icable * (Vport_PSE-2p min) with 15.4 - For PSE Type 2 replace comumn Min Icable * (Vport_PSE-2p min) with 30.0 - For PSE Type 3(note1) replace comumn Min Icable * (Vport_PSE-2p min) with 30.0 - For PSE Type 3 replace comumn Min 2*Icable * (Vport_PSE-2p min) with 60.0	Type 4/DS PDs advertise Class 5 on at least one pairset. Proposed Response Response Status W PROPOSED ACCEPT.
Proposed Response Response Status W PROPOSED ACCEPT. Again I think this was done in order to combine types 1,2 in AT	

ennett, Ken Sifos Technologies, In omment Type TR Comment Status X DLi PSE_INITIAL_VALUE settings for Class 6 and Class 8 are currently the extended-power	Bennett, Ken Sifos Technologies, In Comment Type TR Comment Status D PSL					
	Comment Type TR Comment Status D PSI					
PSE INITIAL VALUE settings for Class 6 and Class 8 are currently the extended-power						
limits. A range should be used for these so that non-extended values can be used.	The Type 3 and 4 State diagram in 33-9D needs to be updated to provide the behaviors described in Table 33D-1 and 33D-2.					
uggestedRemedy	This is comment 2 of 4 and refers to the output of CLASS_EV2					
Change "600" to "<= 600" Change "900" to "<= 900"	(Note: (pse_avail_pwr>3); 3="Class 4")					
	SuggestedRemedy					
roposed Response Response Status W	Change Path leading to MARK_EV_LAST to:					
/ 33 SC 33.2.4.7 P 64 L 10 # 106 ennett, Ken Sifos Technologies, In	Tcle2_timer_done * (mr_pd_class_detected=temp_var) * [[(sig_type=single) * (pd_req_pwr>=pse_avail_pwr)] + (sig_type!=dual)]					
omment Type TR Comment Status D PSE SL	Change Path leading to MARK_EV2 to:					
The Type 3 and 4 State diagram in 33-9D needs to be updated to provide the behaviors described in Table 33D-1 and 33D-2. This is comment 1 of 4 and refers to the output of CLASS_EV1_LCF	Tcle2_timer_done * (mr_pd_class_detected = temp_var) * [[(sig_type=single) * (pse_avail_pwr>3)] + (sig_type=dual)]					
(Note: (pse_avail_pwr<3); 3="Class 4")	Proposed Response Response Status W					
uggestedRemedy	PROPOSED ACCEPT.					
Change Path leading to MARK_EV_LAST to:	This is moving power demotion into the SD. TFTD.					
Tclf_timer_done * [[(sig_type=single) * [(mr_pd_class_detected<4) + (pse_avail_pwr<3)]] + [(sig_type=dual) * (pd_req_pwr>pse_avail_pwr)]]						
Change Path leading to MARK_EV1 to:						
Tclf_timer_done * [[(sig_type=single) * [(mr_pd_class_detected = 4) * (pd_req_pwr <= pse_avail_pwr)] + [(sig_type=dual) * (pd_req_pwr <= pse_avail_pwr)]]						
roposed Response Response Status W						
PROPOSED ACCEPT.						
This is moving power demotion into the SD. TFTD.						

C/ 33 SC 33.2.4.7 P 64 L 27 # 108 Bennett, Ken Sifos Technologies, In Image: Sifest Technologies, Ima	CI 33 SC 33.2.4.7 P 64 L 35 # 109 Bennett, Ken Sifos Technologies, In						
Comment Type TR Comment Status D PSE SD	Comment Type TR Comment Status D PSE SD						
The Type 3 and 4 State diagram in 33-9D needs to be updated to provide the behaviors described in Table 33D-1 and 33D-2.	The Type 3 and 4 State diagram in 33-9D needs to be updated to provide the behaviors described in Table 33D-1 and 33D-2.						
This is comment 3 of 4 and refers to the output of CLASS_EV3	This is comment 4 of 4 and refers to the output of CLASS_EV4						
(Note: (pse_avail_pwr=4, pse_avail_pwr>4);	SuggestedRemedy						
SuggestedRemedy	Change Path leading to MARK_EV_LAST to:						
Change Path leading to MARK_EV_LAST to: Tcle3_timer_done * [(mr_pd_class_detected=4) + [(sig_type=single) * (pd_req_pwr>pse_avail_pwr) * (pse_avail_pwr=4)] + [(sig_type=dual) * [(mr_pd_class_detected = 0) + (pd_req_pwr > pse_avail_pwr)]]	Tcle4_timer_done * (mr_pd_class_detected = temp_var) * [(mr_pd_class_detected<2) + [(sig_type=single) * (pd_req_pwr>pse_avail_pwr)] + (sig_type=dual)] Change Path leading to MARK_EV4 to:						
Change Path leading to MARK_EV3 to: Tcle3_timer_done * [(mr_pd_class_detected!=4) * [(sig_type=single) * [(pd_req_pwr>pse_avail_pwr) * (pse_avail_pwr>4)] + (pd_req_pwr<=pse_avail_pwr)] + [(sig_type=dual) * [(mr_pd_class_detected=3) + (pd_req_pwr<=pse_avail_pwr)]]	Tcle4_timer_done * (mr_pd_class_detected=temp_var) * [(mr_pd_class_detected>1) * [[(sig_type=single) * (pd_req_pwr<=pse_avail_pwr)] + (sig_type!=dual)]] Proposed Response Response Status W PROPOSED ACCEPT.						
Proposed Response Response Status W PROPOSED ACCEPT.	This is moving power demotion into the SD. TFTD.						

This is moving power demotion into the SD. TFTD.

CI 33 Bennett, K	SC 33.2.4.7	P 59 Sifos Techno	<i>L</i> 42 ologies, In	# 110	C/ 33 Yseboodt,	SC 33 Lennart	Р 0 Philips	L 0	# 112
Comment The C		Comment Status X coutputs in the State diagram	m of 33-9A need	PSE SD s to be updated.	Comment Page		Comment Status D PDF reset on clause boundary	y.	Editoria
PSE A	vailable power.	rrently denies power in all ca			docum	to make sure p nent page nr.	age numbering keeps going s	uch that PDF pa	age nr matches with
		<2); 2="Class 3,0")			Proposed PROP	,	Response Status W T IN PRINCIPLE.		
Suggested	IRemedy	o POWER_UP to:			OBE t	by comment 6			
(pse_a	avail_pwr>1)]]	_req_pwr<=pse_avail_pwr) +	⊦ [(pd_req_pwr>ŗ	ose_avail_pwr) *	<i>Cl</i> 30 Yseboodt,	SC 30.9 Lennart	Р б Philips	L 5	# 113
	, U	o POWER_DENIED to: d_req_pwr>pse_avail_pwr) *	(pse avail pwr-	<2)]	Comment We ne		Comment Status D se 30.9 when Clause 33 is sta	ble to implemen	Managemen
Proposed TFTD	_ •	Response Status W		· · ·	Suggested	Remedy).9: "TODO: visit this section a		
Cl 33 Yseboodt,		P 0 Philips	L	# <u>111</u>	Proposed	Response POSED ACCEP	Response Status W		
	apitalization of Cl	Comment Status D lass should only have been of	done when referr	<i>Editorial</i> ing to a power Class.	EZ				
	0	event' should not be capital	lized.		C/ 33 Yseboodt,	SC 33.2.7.6 Lennart	P 86 Philips	L 42	# 114
00	,	ocument and check capitaliza	ation of Class an	d class.	Comment	Type ER	Comment Status D		PSE Powe
Proposed	0 0	Response Status W					2P, the current supplied per pa an TCUT-2P, the PSE may re		
	OULD AUULI I					It should be	lcut-2P(min) and Tcut-2P(min	n)	
EZ					Suggested	Remedy			
					"If IPo for lon	rt-2P, the current of	nt supplied per pairset by the I ·2P(min), the PSE may remo	PSE to the PI, end we power from the	xceeds ICUT-2P(min) hat pairset."
					Proposed	Response	Response Status W		

C/ 33 SC 33.2.0a Yseboodt, Lennart	P 32 Philips	L 45	# 115	C/ 33 Yseboodt,	SC 33.2.4.4 Lennart	P 46 Philips	L 15	# 117
<i>Comment Type</i> T Optional is misleading,	Comment Status D see footnote as exception		Types		PSE monitors eith	<i>Comment Status</i> D her the DC or AC Maintain P t anymore in Type 3 and 4	ower Signature (<i>PSE SD</i> MPS, see 33.2.9.1)."
	of it (on Phys. Lay. Class.) to e-Event", so it matches in log <i>Response Status</i> W	jical order.		Suggested "Type Type : Proposed	dRemedy 1 and Type 2 PS	Es monitor either the DC or Es monitor the DC Maintain <i>Response Status</i> W		
C/ 33 SC 33.2.4.4 Yseboodt, Lennart Comment Type T	P 45 Philips Comment Status D	L 23	# 116 PSE SD	EZ C/ 33 Yseboodt,	SC 33.2.6.2 Lennart	P 76 Philips	L 7	# [118
Since we now consider for Type 3 and 4. SuggestedRemedy "1: A Type 1 PSE perfo A Type 2 PSE performs Physical Layer classific	e-Event Physical Layer classi 1 class_ev + 1 mark_ev = Ma rms Single-Event Physical Layer a Single-Event Physical Layer ation with a maximum of 1 Cl E performs Multiple-Event Ph rent."	ultiple-event, th ayer Classificat r Classification lass event.	ion. or Multiple-Event	Seem PD, b Suggestee Remo Proposed	entence: "The PS s to preclude clas ut it needs to be o dRemedy	Comment Status D SE shall classify the PD only ssification of dual signature a classified on each pairset. all classify the PD only once' <i>Response Status</i> W IN PRINCIPLE.	altogether. After a	<i>PSE Class</i> all, a DS PD is ONE
Proposed Response PROPOSED ACCEPT. EZ	Response Status W					led only for single-signature agraphs have been combine		

C/ 33 SC 33.2.6 Yseboodt, Lennart	6.2 P 77 Philips	L 27	# 119	C/ 33 Yseboodt, L	SC 33.3.5.2 ennart	e P 107 Philips	L 45	# 121
Comment Type T Table 33-10, item 8			PSE Class	<i>Comment T</i> "Dual-si	51	Comment Status X may advertise a different Class	s signature on ea	PD Class ach pairset."
detection until powe	ue of T ME2 cannot exceed the er-on which is limited by 33.2.7. uximum time is Tpon, which is no	12."	d time from end of	It adds : - unique	significant con	write this out in the standard ? nplication as it has: ules for continuous power y tricky		
SuggestedRemedy				SuggestedF	Remedy			
"The maximum valu 33.2.7.12."	ue of T ME2 cannot cause a vio	lation of Tpon, as	defined in section		e this sentence i`t forbid DS/u	e. nequal classes, we simply do	not specify it at a	all.
Alternative: remove				Proposed R TFTD	lesponse	Response Status W		
Proposed Response	Response Status W							
PROPOSED ACCE				C/ 33 Yseboodt, L	SC 33.3.5.2 ennart	P 108 Philips	L 18	# 122
C/ 33 SC 33.2.6 Yseboodt, Lennart	6.3 P 78 Philips	L 44	# 120	Comment T	vpe T	Comment Status D		PD Class
Comment Type T	Comment Status D Tauto_PSE2 is not the correct.		Autoclass	Table 33 Tlcf = 88	3-17, item 7 is 8 to 105 ms.	Long first Class Event timing	, Tlcf_pd, with ra	nge 75.5 to 87.5 ms.
SuggestedRemedy Change to: "Autocl: Proposed Response	ass window between Tauto_PSI Response Status W	E1 and Tauto_PS	SE2"	This pai 'long'.	rameter deterr	sense, the maximum does no nines the conditions where a l vent exceeds 88ms (= Table 3	PD is allowed to	deem a class event as
PROPOSED ACCE	•				e 33.3.8: 3 and 4 PDs v	vhich detect a long first Class	event in the rang	ge of T LCF_PD may"
EZ				SuggestedF Remove	R <i>emedy</i> e maximum.			
				Proposed R PROPC		Response Status W T IN PRINCIPLE.		
				The text	t should read	something like:		
				class fir		short_mps is FALSE. A PD r than Tlcf_pd min. A PD shall 'lcf pd max."		

C/ 33 SC 33.3.6 Yseboodt, Lennart	P 109 Philips	L 30	# 123	C/ 33 Yseboodt,	SC 33.3.7.6 Lennart	P 117 Philips	L 17	# 125	
Comment Type T	Comment Status D		Mutual ID	Comment	Type T	Comment Status D		Editorial	
"A PD shall identify	a PSE Type as a Type lower or a higher PSE Type than its ow		Type"	"A Tyr follow	be 3 or Type 4 Pl	D that demands Class 5 powe	er levels shall m		
How can it be tested				Suggested		D3 at Class 5.			
SuggestedRemedy				00		ds Class 5 power levels shall	meet both of the	following:"	
Remove sentences	?				Response	·		ionowing.	
Proposed Response PROPOSED REJE	Response Status W				POSED ACCEPT	Response Status W			
				EZ					
TFTD				C/ 33	SC 33.2.7.7	P 87	L 38	# 126	
This is part of mutua	al ID. It is clearly shown in the	PD SD.		Yseboodt,		Philips	200	" 120	
C/ 33 SC 33.3.7 Yseboodt, Lennart	7.6 P 116 Philips	L 48	# 124	Comment Type E Comment Status D Editor "Figure 33-14POWER_ON state, per pairset operating current templates for PSEs that operate in 2-pair mode, Type 3 and Type 4 dual-signature PSEs"					
Comment Type T "A Type 2 ,Type 3, a	Comment Status D and Type 4 PD that demand les	s than Class 5 p	<i>Editorial</i> ower levels shall"	Suggested	dRemedy	 > Dual-signature PDs. 	nature PSES		
There are no Type 4 s/demand/demands	4 PDs at Class 5 or lower. S.				Response POSED ACCEPT	Response Status W			
SuggestedRemedy				PROF	OSED ACCEPT	•			
"A Type 2 or Type 3	B PD that demands less than Cl	ass 5 power leve	ls shall"	EZ					
Proposed Response PROPOSED ACCE	Response Status W			C/ 33 Yseboodt,	SC 33.2.7.7 Lennart	P 88 Philips	L 26	# 127	
EZ				Comment Figure	• ·	Comment Status X have incorrect aspect ratio.		Editorial	
				Suggested Do no	dRemedy t change aspect	ratio.			
				,	<i>Response</i> what do you want	Response Status W t here Lennart?			
					-				

C/ 33 SC 33.2.7.7 Yseboodt, Lennart	P 88 Philips	L 43	# 128	C/ 33 SC 33.3.5 Yseboodt, Lennart	.2 <i>P</i> 107 Philips	L 40	# 131
Comment Type E Figure 33-14b: TLIMMI	Comment Status D N is not consistent with TLI	MMIN-2P in rest of	<i>Figure 33-14</i> of figures	<i>Comment Type</i> E " a Type 2, Type 3 a	Comment Status D and Type 4 PD's pse_power_le	evel state variable	<i>Editorial</i> is set to '1.' "
SuggestedRemedy Change to: TLIMMIN-2P Proposed Response Response Status W PROPOSED ACCEPT.				Period not at end of sentence. SuggestedRemedy " a Type 2, Type 3 and Type 4 PD's pse_power_level state variable is set to '1'. " Proposed Response Response Status W			
C/ 33 SC 33.2.7.7 Yseboodt, Lennart	P 89 Philips	L 36	# 129	PROPOSED ACCE	,		
Comment Type E Comment Status D Editorial "is the maximum power PSE Type power" is strange sentence SuggestedRemedy Editorial				CI 33 SC 33.3.5 Yseboodt, Lennart	.3 P 108 Philips	L 47	# 132
	r for a given PSE Type" Response Status W			Wrong an <i>SuggestedRemedy</i> Please see Annex 3	Comment Status D e see Annex 33B for more info nex referenced 3C for more information on Au		Editoria. ass."
C/ 33 SC 33.3.3.5 Yseboodt, Lennart	P 102 Philips	L 33	# 130	Proposed Response PROPOSED ACCE	Response Status W PT.		
Comment Type E "Editor's Note: PD state SuggestedRemedy	Comment Status D e diagram needs to be upda	ted for Autoclass	Editorial ."	EZ <i>CI</i> 33 SC 33.3.7 Yseboodt, Lennart	.5 <i>P</i> 116 Philips	L 9	# [133
"Editor's Note: PD state diagram needs to be updated for Autoclass and detecting long class event."				Comment Type E	Comment Status D		PD Power
Proposed Response PROPOSED ACCEPT.	Response Status W			SuggestedRemedy	oltage at the PSE PI"		
EZ				Proposed Response PROPOSED ACCE	Response Status W		
				EZ			

	P 116	1.20	# 404	C/ 33 SC 33.3.7.6	6 P 117	L 36	# 407
C/ 33 SC 33.3.7.6 Yseboodt, Lennart	Philips	L 38	# 134	C/ 33 SC 33.3.7.6 Yseboodt, Lennart	Philips	L 30	# 137
Comment Type E PClass_PD_max needs	Comment Status D		Editorial	Comment Type E	Comment Status D nput votage source drives both PE	D Modes"	Editoria
SuggestedRemedy Change to subscript Proposed Response PROPOSED ACCEPT. EZ	Response Status W			SuggestedRemedy	source drives both PD Modes Response Status W		
C/ 33 SC 33.3.7.6 /seboodt, Lennart	P 116 Philips	L 39	# 135	Cl 33 SC 33.3.7.8	8 <i>P</i> 118	L 8	# 138
	Comment Status D c power draw that does not exc 0mF or less requires no specia "			Yseboodt, Lennart Comment Type E " shall be valid with Parameter name is T	Philips <i>Comment Status</i> D in T_Class as specified in Table 3 class (no capital)	3-18"	Editoria
	c power draw that does not exc 0mF or less requires no specia "			SuggestedRemedy " shall be valid with Proposed Response PROPOSED ACCEP	in T_class as specified in Table 33 <i>Response Status</i> W T.	3-18"	
Proposed Response PROPOSED ACCEPT. EZ	Response Status W			EZ C/ 33 SC 33.3.7.9 Yseboodt, Lennart	P 118 Philips	L 44	# [139
C/ 33 SC 33.3.7.6 /seboodt, Lennart	P 117 Philips	L 24	# <u>136</u> Editorial	Comment Type E	Comment Status D add. info says "See Annex 33A,5	n	Editoria
Comment Type E original text: "The inp typo "votage"	Comment Status D out votage source drives both P	D Modes"		"See Annex 33A.5" Proposed Response	Response Status W		

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

C/ 33 SC 33.3.8 /seboodt, Lennart	P 119 Philips	L 31	# 140	C/ 33 SC 33.3.8 Yseboodt, Lennart	P 121 Philips	L 36	# 143
Comment Type E "or a PD which does no	Comment Status D ot detect a long first Class even	ent,"	Editorial	<i>Comment Type</i> E Table 33-19a, lowerm Some garbage crept i	Comment Status D ost/rightmost cell contains "by	י "short_mps = T	<i>Editorial</i> RUE (T_LCF)"
In this case Class does Occurs on line 31, 34 a	s not need to be capitalized. and 35.			SuggestedRemedy			
SuggestedRemedy "or a PD which does no	ot detect a long first class eve	ent,"		Replace by "short_mp Proposed Response	Response Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W			PROPOSED ACCEP	Τ.		
EZ				C/ 33 SC 33.4.3 Yseboodt, Lennart	P 124 Philips	L 19	# 144
C/ 33 SC 33.3.8 (seboodt, Lennart	P 119 Philips	L 34	# 141	Comment Type E	Comment Status D	mehow	Editorial
Comment Type E "Types 3 and 4 PDs wh	Comment Status D nich detect"		Editorial	SuggestedRemedy Not clear where it belo		inchow.	
SuggestedRemedy "Type 3 and Type 4 PD				Proposed Response PROPOSED ACCEP	Response Status W		
Proposed Response PROPOSED ACCEPT.	Response Status W			Editor to figure out wh	at was the goal here.		
EZ				EZ			
C/ 33 SC 33.3.8 (seboodt, Lennart	P 119 Philips	L 46	# 142	Cl 79 SC 79.3.2.6 Yseboodt, Lennart	d P 15 Philips	L 22	# 145
Comment Type E original text: "See Anne Annex TBD r	Comment Status D ex TBD for PD design guidelin referenced.	nes for MPS beh	Editorial avior."	Comment Type E original text: "Table 75 Table captic	Comment Status D 9-6c PD measurements" on wrong.		Editorial
SuggestedRemedy Generate it as an empt	ty structure and reference cor	rrectly.		SuggestedRemedy Table 79-6d PSE me	asurements		
Proposed Response PROPOSED ACCEPT	Response Status W IN PRINCIPLE.			Proposed Response PROPOSED ACCEP	Response Status W		
Editor to assign next av	vailable Annex, create the an	nex and fill it with	1:	EZ			
"Editor's Note: This Ar	nnex to be filled with PD desig	on guidelines for	MPS."				
EZ							

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

C/ 33 SC 33.2.4.7	P 56	L 7	# 146	Cl 33 SC 33.3.5 P105 L10 # 149
Yseboodt, Lennart	Philips			Yseboodt, Lennart Philips
Comment Type ER	Comment Status D		PSE SD	Comment Type ER Comment Status X Edit
State "1-EVENT_CLA the bulk rename of 1-I Undesired in state nar	5	Event_CLASS",	probably by accident in	Table 33-15a says in a Table note: "Any PD that is limited to Class 0-3 power levels may omit DLL support." Next we have text that says (or should say, see other comment): "Single-signature PDs not capable of drawing more than Class 3 power levels may omit
SuggestedRemedy				Data Link Layer classification (see 33.6)."
Revert to "1-EVENT_0	CLASS".			
Proposed Response	Response Status W			Slightly different statement with the same effect, on the same page.
PROPOSED ACCEPT	T.			SuggestedRemedy
EZ C/ 33 SC 33.2.6.2	P 76	L 4	# 147	Remove the text on line 46-48. Change Table 33-15a note to: "Single-signature PDs not capable of drawing more than Class 3 power levels may omit Data Link Layer classification (see 33.6)."
Yseboodt, Lennart	Philips			Proposed Response Response Status W
Comment Type ER	Comment Status D		Editorial	Do we want to include this information as a note only?
	PSE connected to a single-sig PSE connected to a dual-sign			TFTD
SuggestedRemedy				Cl 33 SC 33.3.7.3 P113 L 30 # 150
dual-signature should Ditto for Single-signati				Yseboodt, Lennart Philips
Proposed Response PROPOSED ACCEPT	Response Status W			Comment Type ER Comment Status X PD Initial original text: "See PSE-PD simplified Cport implementation model in Annex TBD." Do we really need an Annex to explain this implementation issue ? Do we really need an Annex to explain this implementation issue ?
EZ				BC:EYO
C/ 33 SC 33.2.6.2	P 77	L1	# 148	SuggestedRemedy
seboodt, Lennart	Philips			Remove this line. If it really needs explanation that cannot be done in 33.3.7.3 we should submit actual
Comment Type ER	Comment Status D		Editorial	Annex contents.
Table 33-10 still uses	"1-Event" terminology.			Proposed Response Response Status W
SuggestedRemedy				TFTD
Change to Single-ever - Header - Line 1,2 and 11.	nt in:			
Proposed Response	Response Status W			
PROPOSED ACCEPT	•			
EZ				

ΕZ

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

Cl 33 SC 33.3.8 P 119 L 44 # [151] Yseboodt, Lennart Philips Cl 33 SC 33.1.4 P 30 L 24 Yseboodt, Lennart Philips Cl 33 SC 33.1.4 P 30 L 24 Yseboodt, Lennart Philips Cl 33 SC 33.1.4 P 30 L 24 Yseboodt, Lennart Philips Cl 33 SC 33.1.4 P 30 L 24 Yseboodt, Lennart Philips Comment Type E Comment Status D Dc loop resistance values are not centered in Y-axis of cell. SuggestedRemedy Remove editors note. Proposed Response Response Status W PROPOSED ACCEPT. Cl 33 SC 33.2.4.7 P 65 L 3 Yseboodt, Lennart Philips Comment Status D SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" "State diagram tor Type 3 and 4 does not address dual-signature. Preference by relative physical location in the draft probably a bad idea. SuggestedRemedy SuggestedRemedy Proposed Response Response Status W PROPOSED ACCEPT. Editors note on the state diagram tor Type 3 and 4 does not address dual-signature. Preference									
*Editor's Note: To add line for Type 1 and Type 2 dual-signature." I don't think we want to describe the behaviour of Type 1/Type 2 dual-signature. SuggestedRemedy Remove editors note. SuggestedRemedy Remove editors note. SuggestedRemedy Remove editors note. Proposed Response Response Status W PROPOSED ACCEPT. EZ Cl 33 SC 33.3.8 P119 L 50 # [152] Yesboodt, Lennart Philips MPS Comment Type ER Comment Status D * A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" MPS Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status D "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" "State diagram for Type 3 and 4 does not address dual-signature. Prefer a separate diagram to keep complexity manageable." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ This is section 33.3.8 so I don't like the self reference. EZ How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have i	# 154	L 24				# 151	L 44		
Suggested/Remedy Response Status W PROPOSED ACCEPT. PROPOSED ACCEPT. C/ 33 SC 33.3.8 P 119 L 50 # 152 C/ 33 SC 33.3.8 P 119 L 50 # 152 C/ 33 SC 33.2.4.7 P 65 L 3 Yseboodt, Lennart Philips MPS Comment Type ER Comment Status D MPS "A PD that does not maintain the MPS components mentioned above may have its power removed" MPS Comment Type E Comment Status D SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" SuggestedRemedy SuggestedRemedy SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" Proposed Response Response Status W Proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ Z/ 33 SC 332.1 P 4 L 1 # 153 C/ 33D SC 33D.1 P 4 L 1 # 153 Merein to the connection check is left to the implement status D Suggested Response the status D Suggested Response the state diagram. Suggested Response Response Status W <td>Editoria</td> <td>of cell.</td> <td></td> <td>51</td> <td></td> <td>Editorial</td> <td>l-signature."</td> <td></td> <td></td>	Editoria	of cell.		51		Editorial	l-signature."		
Proposed Response Response Status W ProPOSED ACCEPT. EZ Cl 33 SC 33.3.8 P 119 L 50 # 152 Cl 33 SC 33.3.8 P 119 L 50 # 152 Cl maint Philips MPS Comment Type ER Comment Status D Suggested/Remedy MPS MPS "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" Suggested/Remedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" Suggested/Remedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" PROPOSED ACCEPT. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Fisis section 33.3.8 so I don't like the self reference. PA to the top of the sponse removed" How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" EZ Cl 33D SC 33D.1 P4 L1 # 153				•		ignature.	e 1/Type 2 dual	describe the behaviour of Ty	
Expose Response Response Status W PROPOSED ACCEPT. Image: Status St			Response Status W	1	1				Remove editors note.
Cl 33 SC 33.3.8 P 119 L 50 # 152 Yseboodt, Lennart Philips MPS Comment Type ER Comment Status D A PD that does not maintain the MPS components mentioned above may have its power removed" MPS StegestedRemedy A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" We proposed Response Response Status W Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ This is section 33.3.8 so I don't like the self reference. How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" EZ Cl 33 SC 33D.1 P4 L1 # 153				DSED ACCEPT.					
Yseboodt, Lennart Philips Comment Type ER Comment Status D "A PD that does not maintain the MPS components mentioned above may have its power removed" MPS "A PD that does not maintain the MPS components mentioned above may have its power removed" MPS SuggestedRemedy Append: "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" "State diagram for Type 3 and 4 does not address dual-signature. Prefer a separate diagram to keep complexity manageable." Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ This is section 33.3.8 so I don't like the self reference. EZ How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" C/ 33D SC 33D.1 P4 L1 # 153					EZ				PROPOSED ACCEPT.
 "A PD that does not maintain the MPS components mentioned above may have its power removed" Reference by relative physical location in the draft probably a bad idea. SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. This is section 33.3.8 so I don't like the self reference. How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" C/ 33D SC 33D.1 P4 L1 # 153 	# 155	L 3				# 152	L 50		
Reference by relative physical location in the draft probably a bad idea. SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" Proposed Response Response Status PROPOSED ACCEPT IN PRINCIPLE. This is section 33.3.8 so I don't like the self reference. How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" C/ 33D SC 33D.1 P4 L1 # 153	Editoria			51			nentioned above		"A PD that does not ma
SuggestedRemedy "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" "State diagram for Type 3 and 4 does not address dual-signature. Prefere a separate diagram to keep complexity manageable." "Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ This is section 33.3.8 so I don't like the self reference. EZ How about moving sentence to line end of paragraph on line 31 and changing it to: PA "A PD that does not maintain these MPS components may have its power removed" EZ C/ 33D SC 33D.1 P4 L1 # 153				Remedy	Suggested				removed"
"A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" "A PD that does not maintain the MPS components in section 33.3.8 may have its power removed" "Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ This is section 33.3.8 so I don't like the self reference. EZ How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" C/ 33D SC 33D.1 P4 L1 # 153	rably this goes into			diagram for Type	"State		bably a bad ide	hysical location in the draft pr	
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. Fill This is section 33.3.8 so I don't like the self reference. EZ How about moving sentence to line end of paragraph on line 31 and changing it to: EZ "A PD that does not maintain these MPS components may have its power removed" C/ 33 SC 33.2.5.0a P 66 L 9 Yseboodt, Lennart Philips C/ 33D SC 33D.1 P 4 L 1 # 153				-	•	ay have its power	section 33.3.8	aintain the MPS components i	,
Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE. EZ This is section 33.3.8 so I don't like the self reference. C/ 33 SC 33.2.5.0a P 66 L 9 How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" C/ 33 SC 33.2.5.0a P 66 L 9 C/ 33D SC 33D.1 P 4 L 1 # 153 "While the exact method of the connection check is left to the implement shall"			Response Status W	•				·	
How about moving sentence to line end of paragraph on line 31 and changing it to: Yseboodt, Lennart Philips "A PD that does not maintain these MPS components may have its power removed" Yseboodt, Lennart Philips C/ 33D SC 33D.1 P 4 L 1 # 153					-			,	
How about moving sentence to line end of paragraph on line 31 and changing it to: "A PD that does not maintain these MPS components may have its power removed" C/ 33D SC 33D.1 P4 L1 # 153 C/ 33D SC 33D.1 P4 L1 P4	# 156	L 9	P 66	SC 33.2.5.0a	C/ 33		•	o I don't like the self reference	This is section 33.3.8 s
"A PD that does not maintain these MPS components may have its power removed" Comment Type E Comment Status D "While the exact method of the connection check is left to the implement shall"			Philips	_ennart	Yseboodt,	anging it to:	on line 31 and (tence to line end of paragraph	How about moving sent
C/ 33D SC 33D.1 P 4 L 1 # 153 shall"	Editoria		Comment Status D	Гуре Е	Comment 7				
	ter, the PSE	oft to the implem	of the connection check is le			# 153	L 1	P 4 Philips	••••
Comment Type ER Comment Status D Annex Annex Implementation is always decoupled from the specification. No need to specifically here.	call this out	cation. No need	s decoupled from the specifie			Annex		•	
Table 33D-2 on dual signature classification has a CLASS_EV5 column. There is no 5th event for DS PDs. SuggestedRemedy				Remedy	Suggested	n. There is no 5th	ASS_EV5 colur	gnature classification has a C	
SuggestedRemedy "During connection check, the PSE shall"			k, the PSE shall"	connection chec	"During				
Remove CLASS_EV5 column. Proposed Response Response Status W			Response Status W	Response	Proposed F			column.	
Proposed Response Status W				OSED ACCEPT.	PROP				—
PROPOSED ACCEPT. EZ					EZ			,	
EZ									F7

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

C/ 33 SC 33.2.5.0a Yseboodt, Lennart	P 66 Philips	L 26	# 157	C/ 33 SC 33.2.6.2 Yseboodt, Lennart	P 74 Philips	L 44	# 160
	Comment Status D and 2, Max value is 0.40 be to use 3 digits after the dot	t.	Editorial	Comment Type E Iclass is smaller letter SuggestedRemedy	Comment Status D is than normal subscript.		Editoria
SuggestedRemedy				Change the subscript	to a larger font		
Replace 0.40 by 0.400	(twice).			Proposed Response	Response Status W		
Proposed Response	Response Status W			PROPOSED ACCEP	т.		
PROPOSED ACCEPT				EZ			
EZ C/ 33 SC 33.2.6	P71	L 14	# 158	C/ 33 SC 33.2.6.2		L 16	# 161
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type E The Pclass formula 33 between.	Comment Status D -3 and the parameter descrip	tion have a Auto	<i>Editorial</i> class paragraph in	Missing dot after 33-1	Comment Status D e 33-10 The timing specificati 0	on "	Editoria
SuggestedRemedy				SuggestedRemedy Add dot (period)			
Reconnect Formula ar	nd parameter description.			Proposed Response	Poononoo Statua W		
Proposed Response PROPOSED ACCEPT	Response Status W			PROPOSED ACCEP	Response Status W T.		
EZ				EZ			
C/ 33 SC 33.2.6.2	P74	L 37	# 159	C/ 33 SC 33.2.7 Yseboodt, Lennart	P 78 Philips	L 51	# 162
Yseboodt, Lennart Comment Type E	Philips Comment Status D		Editorial	Comment Type E "Table 33-11 limits sh	Comment Status D ow values that support worst-	-case operating lir	<i>Editoria</i> mits."
	ovide a maximum of 2 Class a 4 Class and 4 mark events. 1 events."			SuggestedRemedy	ues support operation under v		
Capitalization gone wro	ong.			Proposed Response	Response Status W		
SuggestedRemedy	~			PROPOSED ACCEP	Т.		
	ovide a maximum of 2 class a 4 class and 4 mark events. T events."			EZ			
Dranagad Deensnag	Response Status W						
Proposed Response PROPOSED ACCEPT							

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

Cl 33 SC 33.2.7 Yseboodt, Lennart	P 82 Philips	L 30	# 163	C/ 30 SC 30 Yseboodt, Lennart	.9.1.1.6	Р 7 Philips	L 53	# 165
Comment Type E Figure(s) 33-14 descrit As such, these Figures that, but should be placed right SuggestedRemedy	Comment Status X be the required current capa s do not belong in the short-o	ircuit section, the	PSE Power rrent limits of a PSE. ir scope is beyond	Comment Type original text: "Ar 4 PD" bt cla SuggestedRemedy Append to list: class class		ment Status D	one of the followir	Managemen ng entries: Class 0 to
TFTD Cl 30 SC 30.9.1.1.4 Yseboodt, Lennart Comment Type T original text: "An ENUM	4 P 7 Philips <i>Comment Status</i> D MERATED VALUE that has o	L 1	# 164	Add e Proposed Response PROPOSED AG	e Respo CCEPT IN PRIN	ual signature also ne onse Status W NCIPLE.	eeds to be addres	sed here".
and B listed" 4 pair pinout SuggestedRemedy Amend to list:	missing PSE Pinout Alternative A an <i>Response Status</i> W			Yseboodt, Lennart <i>Comment Type</i> original text: "BI "A GE PSE or a PD ar	T Com T STRING [SIZ T attribute that d whether it is ndicates PSE of	returns a bit string Type 1 or Type 2. T	he first bit indicate	# 166 Managemen r the local system is a es Type 1 or Type 2. ate a PSE. A PD shall
EZ				PD and whethe Type 2, Type 3	e that returns a it is Type 1, Ty or Type 4. The A PD shall set e Resp		be 4. The first two SE or PD. A PSE	system is a PSE or a bits indicate Type 1, shall set this bit to

CI 30 SC 30.12.2.1.18a P 15 L 44 # 167 Yseboodt, Lennart Philips	C/ 30 SC 30.12.2.1.18c P 16 L 14 # 169 Yseboodt, Lennart Philips
Comment Type T Comment Status D Editorial original text: "The PD measured voltage value is encoded according to Equation (79-x), where x is the decimal value of aLldpXdot3LocPDMeasuredVoltageValue." This calculation is actually in Table 79-6c. Editorial	Comment Type T Comment Status D Editoria original text: "The PSE measured voltage value is encoded according to Equation (79-x), where x is the decimal value of aLldpXdot3LocPSEMeasuredVoltageValue" This calculation is actually in Table 79-6d. Editoria
SuggestedRemedy "The PD measured voltage value is encoded according to Table 79-6c, the decimal value of bits is aLldpXdot3LocPDMeasuredVoltageValue."	SuggestedRemedy "The PSE measured voltage value is encoded according to Table 79-6d, the decimal value of bits is aLldpXdot3LocPSEMeasuredVoltageValue"
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.
EZ	EZ
C/ 30 SC 30.12.2.1.18b P 16 L 2 # 168 Yseboodt, Lennart Philips	C/ 30 SC 30.12.2.1.18d P 16 L 26 # 170 Yseboodt, Lennart Philips
Comment Type T Comment Status D Editorial original text: "The PD measured current value is encoded according to Equation (79-x), where x is the decimal value of aLldpXdot3LocPDMeasuredCurrentValue" This calculation is actually in Table 79-6c. Editorial	Comment Type T Comment Status D Editoria original text: "The PSE measured voltage value is encoded according to Equation (79-x), where x is the decimal value of aLldpXdot3LocPSEMeasuredCurrentValue" This calculation is actually in Table 79-6d. Editoria
SuggestedRemedy "The PD measured current value is encoded according to Table 79-6c, the decimal value of bits is aLldpXdot3LocPDMeasuredCurrentValue"	SuggestedRemedy "The PSE measured voltage value is encoded according to Table 79-6d, the decimal value of bits is aLldpXdot3LocPSEMeasuredCurrentValue"
Proposed Response Response Status W PROPOSED ACCEPT.	Proposed Response Response Status W PROPOSED ACCEPT.
EZ	EZ

7 30	SC 30.12.3.1.	14	P 23	L 4	# 171	C/ 33	SC 3	33.2.4.6	P 53		L 33	# 173
'seboodt, L	ennart.		Philips			Yseboodt,	Lennart		Philips			
Comment T	ype T	Commen	t Status D		Management	Comment 7	Туре	TR	Comment Status	х		PSE S
BEHAV A GET PD and	whether it is Ty	AS: urns a bit st pe 1 or Typ	ring indicating w		e system is a PSE or a or Type 2. The second	"When " the	PSE sh	nall meet t	PD of lower Type (Ty he PI electrical requir graph again.	/pe PD) rements	than its own" of the PD Type	·"
bit indic	atesPSE or PD.					poweri	ng of Ty	/pe 1/2 PI				
	Add new type	S				be imp			le a lot of changes to e 3/4 PSE to morph i			and Type 4, it would
SuggestedF	-					Suggested				no u ry	po 1/2 1 02.	
	RING [SIZE (3)		tring indicating v	whether the remo	te system is a PSE or	00		•	the 802 3-2012 vers	ion whi	ch only save wh	at a Type 2 PSE must
a PD ar	nd whether it is 7	ype 1, Type		pe 4. The first tw	vo bits indicate Type 1,	do.		•	roperability issues be			
Proposed R		Response	Status W			those separa	ately.					
PROPU	SED ACCEPT.					Proposed I	Respon	se	Response Status	W		
33	SC 33.2.4.4		P 48	L 39	# 172	TFTD						
seboodt, L	.ennart		Philips				<u> </u>		Dat			# 474
Comment T	ype TR	Commen	t Status D		PSE SD	C/ 33 Yseboodt, I		33.2.4.7	P 64 Philips		L 14	# 174
The PS set in a	tips_multiclass: E can choose to n implementatio plies to Type 2	n-depender	it manner."	ssification state f	ow. A variable that is		33-9d,		Comment Status from CLASS_EV1_L skips_multiclass *	CF to M	IARK_EV1:	PSE S
SuggestedF	. ,					pse_sk	kips_mu	Iticlass do	pes not apply to Type	3 or Ty	pe 4 PSEs.	
	kips_multiclass:					Suggested	Remed	V				
A Type	2 PSE can choo		ss a portion of th		tate flow. A variable	XX=rer	move		se_skips_multiclass *	XX"		
Proposed R	esponse	Response	Status W			Proposed I	Respon	se	Response Status	w		
PROPC	SED ACCEPT.					PROP	OSED A	ACCEPT.				
EZ												

Cl 33 SC 33.2.6 Yseboodt, Lennart	P 70 Philips	L 29	# 175	CI 33 Yseboodt,	SC 33.2 Lennart	2.7.4	P 84 Philips	L 1	# 178
Comment Type TR This section needs to b SuggestedRemedy	Comment Status X be made consistent with the n	ew Figures 33-14.	Pres: Yseboodt1	Comment origina a pairs	Pres: Darshan3 the minimum current of				
See presentation yseb	oodt_1_1015_baseline_fig33	14_vXX.pdf			Get rid	of TBD) in variable name.		
Proposed Response Wait for presentation	Response Status W			Suggested See p	-	yseboo	odt_1_1015_baseline_fig331	4_vXX.pdf	
C/ 33 SC 33.2.6 Yseboodt, Lennart	P 72 Philips	L 1	# 176	Proposed wait fo	<i>Response</i> or presentati	on	Response Status W		
Comment Type TR Table 33-7 does not pr	Comment Status D ovide dual-signature classes.		PSE Class	<i>CI</i> 33 Yseboodt,	SC 33.3 Lennart	.2	P 96 Philips	L 42	# 179
SuggestedRemedy See yseboodt_table_3: Proposed Response Waiting for Table	3_7_v1XX.pdf Response Status W			impler Event	3/SS PDs on nent a minir Class signa	operation mum o ature of		er Classification	
C/ 33 SC 33.2.6.2 Yseboodt, Lennart	P 76 Philips	L 16	# 177	Replac Suggested	ce Single-E	vent cl	m Single-Event classification assification => Multiple-Ever	t classification	
	Comment Status D ect link between class curren but this is more complicated		PSE Class	impler	nent a minir signature o	num o	ng up to a maximum power o f Multiple-Event Physical Lay or 3." Response Status W	Iraw correspond /er Classification	ling to Class 3 or less n and advertise a
The PSE section does	not have a Table 33-16a equ	ivalent. This shoul	d still be done.	,	OSED ACC	EPT.			
SuggestedRemedy Change "Class" to "clas	ss signature" in Table 33-9			EZ					
Proposed Response PROPOSED ACCEPT.	Response Status W								

CI 33 Yseboodt,	SC 33.3.5 Lennart	P 105 Philips	L 46	# 180	C/ 33 Yseboodt	SC 33.3.7 Lennart	P 110 Philips	L 27	# 183
Comment		Comment Status D		PD Class	Comment		Comment Status D		PD Power
Link L	ayer classification	,			Table The v	33-18, Item 1, F alues for Class s	PD input voltage. 5/DS and Class 8 are differ ults in 41.1826V.	rent. They must be t	he same.
		S PDs always need to supp	ort DLL + spell f	ïx.	Suggeste	dRemedy			
Suggested					Chan	ge Item 1, row C	Class 5/DS to 41.2V.		
		not capable of drawing more cation (see 33.6)."	than Class 3 pc	wer levels may omit		Response	Response Status W		
Possik	oly OBE by previo	ous comment. (149)							
Proposed	Response	Response Status W			EZ				
	OSED ACCEPT.				C/ 33 Yseboodt	SC 33.3.7.9 Lennart	P 118 Philips	L 46	# 184
C/ 33	SC 33.3.5.3	P 109	L 19	# 181	Comment	Type TR	Comment Status D		Unbalance
Yseboodt,		Philips			Table	33-18a, item 4,	PD Power has value "Set	to maximum per its	Class".
Comment	51	Comment Status D		Autoclass	How e	exactly can the F	PD power be set ? This is r	not a controllable par	rameter in most PDs.
	es in PSE section	utoclass power draw end tin made to D1.3.	ne needs to be u	updated to reflect	Suggeste	dRemedy			
Suggested							aps add to the text that the power where applicable.	PD should be put in	a mode where it
00	,	om 3.28 to 3.65 seconds.				Response	Response Status W		
Proposed	Response	Response Status W			,	,	T IN PRINCIPLE.		
PROP	OSED ACCEPT.								
EZ					Need	appropriate text			
CI 33	SC 33.3.5.3	P 109	L 1	# 182					
Yseboodt,	Lennart	Philips							
Comment	Type TR	Comment Status D		Autoclass					
	power up, a PD ir hout the period be	nplementing Autoclass shall ounded by"	draw its highes	t required power					
	tatement may lead	d the reader to believe that a it is).	a PD using Auto	class is not subject to					
Suggested	dRemedy								
		nplementing Autoclass shall ents on Pclass_pd in 33.3.7.							
•	Response POSED ACCEPT.	Response Status W							
		d ER/editorial required GR/		d T/technical E/editorial G/g		d 7/withdrown	Cor	mment ID 184	Page 46 of 66

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

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C/ 33 SC 33 /seboodt, Lennart	3.8 P 11 Philips	•	L 27	# 185		C/ 33 Yseboodt,	SC Lennar		P 141 Philips	L 11	# 187
Comment Type	R Comment Status	D			MPS	Comment	Туре	TR	Comment Status D		DLL
at the PI."	tain power, the PD shall pro			0 (MPS)	classif	ication	(see 33.3	rpe 4 PDs that require more .5). ication is optional for all othe		oport Data Link Layer
0 0 1	ohibits NOT showing MPS i	i the goal is to		npowered.		Dual-s	signatur	e PDs mu	ist support DLL regardless of	of power consum	ption.
SuggestedRemedy	es power from the PI shall r	aravida a vali	Maintain D	ower Signature		Suggested	- IRemea	dv			
(MPS) at the PI.	shall' conditional upon need	ing power or				"Type 3/DS a	2, Type and Typ	e 3 and Ty be 4/DS P	rpe 4 PDs that require more Ds support Data Link Layer ptional for all other devices.	classification (se	
PROPOSED AC	CEPT IN PRINCIPLE.					Proposed PROP	,	nse ACCEPT.	Response Status W		
That is legacy te	xt. I agree that your sugges	stion is better.	Do we war	nt to change it?					D 400	/ 00	" [100
There is text late	r in the section that					C/ 33 Yseboodt,		33.3.5.1 rt	P 106 Philips	L 30	# 188
C/ 33 SC 33	3.8 P 11	9	L 41	# 186		Comment	Туре	TR	Comment Status D		PD Class
(seboodt, Lennart Comment Type	Philips R Comment Status				MPS				ass 0 signature current was r exists for Type 3, the Clas		
21	class shall use the I port MI	-	d with the PI	D Class adverti	-	Suggested	Remea	dy			
	ayer classification."	o accordiatos			000	Restor	re missi	ing Type 3	3 specific Class 0 signature	from D1.2.	
advertized.	lles are determined by the C	-				Proposed PROP	,	nse ACCEPT.	Response Status W		
Example: A Clas 4 MPS rules.	s 5/Autoclass PD, that gets	power demot	ed to Class	4, gets to use (Class	EZ					
SuggestedRemedy						W/by w	vac it ra	moved?			
	class shall use the I port_M Physical Layer classification		d with the PI	D Class assigne	ed by	vviiy v		moveu			
Proposed Response	Response Status	w									
	-										

C/ 33 SC 33.3.5.3 Yseboodt, Lennart	P 108 Philips	L 50	# 189	C/ 1 Dove, Da	SC 1.4 niel	P 2 Dove	0 L 34 Networking Solut	# 192
Yseboodt, Lennart <i>Comment Type</i> TR "A PD implementing A in Table 33-17a), resul CLASS_EV1." Contradiction since cla <i>SuggestedRemedy</i> "A PD implementing A	Philips <i>Comment Status</i> X Autoclass shall remove its class Iting in a classification signature assification signature of '0' is the Autoclass shall reduce its class Iting in a classification signature <i>Response Status</i> W <i>P</i> 20 Dove Network <i>Comment Status</i> D	sification curren re of '0' for the between 1mA ar sification curren re of '0' for the	Autoclass t at T ACS (as defined emainder of d 4mA.	Dove, Da Commen Defin speci clear Type Suggeste Task nece Proposed Task Cl 25 Dove, Da Commen Text Suggeste add t	niel <i>Type</i> TR ition of Dual Sin- fic types. Since whether this sho 2 PDs. <i>dRemedy</i> Force decide will sary. Is such a <i>l Response</i> force to discuss SC 25.4.7 niel <i>Type</i> TR says Type 2, but <i>dRemedy</i>	Dove <i>Comment Status</i> gature PD doesn't clar Type 1 and 2 PDs wer build only apply to Type hich types of PDs will i change within scope of <i>Response Status</i>	Networking Solut X ify if it applies to all to re never distinguished a 3 and Type 4, or we dentify as dual-signa if PAR/objectives/Crit W 5 L 43 Networking Solut D 24, line 1) states "Typ s "Type 2" twice in thi	Definitions ypes of PDs, or only by signature type, I'm not retro-define Type 1 and ture PDs and change as teria? # <u>193</u> PML pe 2 or greater".
Proposed Response PROPOSED ACCEPT EZ	Response Status W			PRO EZ C/ 30 Dove, Da	SC 30.12.2	.1.18a <i>P</i> 1	5 <i>L</i> 38 Networking Solut	# [194
specific types. Since T clear whether this shou Type 2 PDs. SuggestedRemedy Task Force decide whi necessary.	P 20 Dove Network Comment Status X ngature PD doesn't clarify if it Type 1 and 2 PDs were never uld only apply to Type 3 and T ich types of PDs will identify a	applies to all typ distinguished by ype 4, or we re	r signature type, I ['] m not ro-define Type 1 and	Commen For th Suggeste If so, Proposed	t Type TR hese new variabl dRemedy please include a l Response	Comment Status les, I could not find a t a tolerance on the accu Response Status . I assume the answe	X blerance spec. Shoul uracy of the values pr W	
Proposed Response Task force to discuss.	Response Status W							

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

CI 33 SC	33.1.4	P 30	L 41	# 195	CI 33	SC 33	3.2.4.3	P 42	L 53	# 198
Dove, Daniel		Dove Network	ing Solut		Dove, Dan	niel		Dove Network	king Solut	
Comment Type	TR	Comment Status D		Unbalance	Comment	Туре	TR	Comment Status X		Pres: Bullock
Note 2 should	, ,,	y for Type 3 when in 4 pair o	peration. This r	note doesn't clarify that				oossible if detection for dual- multaneously.	-signature PDs o	an be performed in
00	•	peration, (when operating on	all 4 pairs) the		Suggested	dRemedy				
Proposed Respor	nse	Response Status W				tate diagr his prese		ges in bullock_01_3bt_1015	5 for detail, as I t	pelieve Chris addresses
PROPOSED	REJECT.				Proposed	Response	е	Response Status W		
The note simp information.	ply points	them to the unbalance section	n which clearly	contains this	Wait f	or presen	tation			
		D.44	1.00	# [100	CI 33	SC 33	3.2.4.4	P 43	L 17	# 199
	33.2.3	P 41	L 36	# 196	Dove, Dan	niel		Dove Network	king Solut	
ove, Daniel		Dove Network	ing Solut		Comment	Туре	TR	Comment Status X		Pres: Bullock
Comment Type I don't think th	TR his stateme	Comment Status D ent is explicit enough		Types		are a nur am in ano		variables that are declared ir	n text one way, a	and in the State
SuggestedRemed	dy				Suggested	dRemedy				
replace "use"	with "use	only the"						e all variables in text with dia	agram. Example	s; Alt_A_pwrd (text)
Proposed Respor	nse	Response Status W				pwrd (dia	0 /			
PROPOSED	ACCEPT.				Proposed Wait f	<i>Response</i> or presen		Response Status W		
EZ					CI 33	SC 33	3.2.4.4	P 43	L 38	# 200
CI 33 SC	33.2.4.1	P 42	L 27	# 197	Dove, Dan			Dove Network		
Dove, Daniel		Dove Network	ing Solut		Comment	Type	E	Comment Status D	U	PSE SL
Comment Type	TR	Comment Status X		PSE SD				ly clear on how the negotiat	ion takes place.	
		y applies to Type 1 and Type			explici			,		1
of 4P powerin	ng PSE? E	xample: CC finds DS PD, Se	q 0, starts both	detections at once.	Suggested	dRemedy				
SuggestedRemed	,				insert	"via L2 cl	assificati	on" at the end of both lines		
Replace "PSE	E" with "Ty	/pe 1 or Type 2 PSE"			Proposed	Response	е	Response Status W		
Proposed Respor	nse	Response Status W			PROP	OSED A	ССЕРТ І	N PRINCIPLE.		
on Alt B, it co	ould be bec	If a 4P PSE sees DS and g ause there is a 2-Pair Midsp letection within Tdbo			What	is the righ	nt wordin	g? "DLL" or "LLDP" or "L2"'	?	
TFTD										

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

C/ 33 SC 33.2.4.4 Dove, Daniel	P 43 Dove Networl	L 43 king Solut	# 201	C/ 33 SC 33.2.4.4 Dove, Daniel	P 44 L 54 Dove Networking Solut	# 204
Comment Type E Minor editorial suggest	Comment Status X tion.		Pres: Bullock1	Comment Type TR The text in this senten	Comment Status X ce is incomplete or inaccurate.	Pres: Bullock1
SuggestedRemedy Insert "to be" between	"is" and "2-pair"			SuggestedRemedy Replace "POWER_UF	P[A]" with "the POWER_UP[A] or IDLE[A] states	5.
Proposed Response Wait for presenation	Response Status W			Proposed Response Wait for presentation	Response Status W	
Cl 33 SC 33.2.4.4 Dove, Daniel	P 43 Dove Network	L 44 king Solut	# 202	Cl 33 SC 33.2.4.4 Dove, Daniel	P 45 L 1 Dove Networking Solut	# 205
Comment Type E Minor editorial suggest	Comment Status X		Pres: Bullock1	Comment Type TR The text in this senten	Comment Status X ce is incomplete or inaccurate.	Pres: Bullock1
SuggestedRemedy Insert "to be" between	"is" and "4-pair"			SuggestedRemedy Replace "POWER_UF	P[A]" with "the POWER_UP[A] or IDLE[A] states	S.
Proposed Response Wait for presenation	Response Status W			Proposed Response Wait for presentation	Response Status W	
Cl 33 SC 33.2.4.4 Dove, Daniel	P 44 Dove Networl	L 24 king Solut	# 203	Cl 33 SC 33.2.4.4 Dove, Daniel	P 45 L 2 Dove Networking Solut	# 206
declared as only apply but the variable list is s	Comment Status X le only used by the Type 3 an ring to them. This raises a ger singular. Should we break out non variables? Or leave them	neral question si Type 1 and Typ	nce there are two SDs	SuggestedRemedy	Comment Status X ce is incomplete or inaccurate. P[A]" with "the POWER_UP[A] or IDLE[A] states	Pres: Bullock1
SuggestedRemedy	Task Force to decide. It affect	·	ariables.	Proposed Response Wait for presentation	Response Status W	
	Response Status W					

TFTD

IEEE P802.3bt D1.3 4-Pair PoE 6th Task Force review comments	3
--	---

Cl 33 SC 33.2.4.4 Dove, Daniel	P 43 Dove Networki	L 5 ing Solut	# 207	Cl 33 SC 33.2.4.4 Dove, Daniel	P 45 Dove Networkir	L 8 ng Solut	# 210
<i>Comment Type</i> E The sentence reads un alternative.	Comment Status X clearly. It is a state machine t	hat is being co	Pres: Bullock1 mmunicated with not an	Comment Type TR The text in this sentenc SuggestedRemedy	Comment Status X e is incomplete or inaccurate.		Pres: Bullock1
SuggestedRemedy replace with "to the Alte between" Proposed Response	ernative A State Machine that Response Status W	the Alternative	B State Machine is	,	Гуре 1 or Type 2 PSE" since T Response Status W	ype 3 and Typ	e 4 use pwr_app_a/b?
Wait for Presentation	P 45	L 7	# 208	C/ 33 SC 33.2.4.4 Dove, Daniel	P 48 Dove Networkir	L 16 ng Solut	# 211
SuggestedRemedy	Dove Networki Comment Status X e is incomplete or inaccurate		Pres: Bullock1 es.		Comment Status D nged from 802.3at, it appears t e incorrect. They appear to be		
Proposed Response Wait for presentation	Response Status W			Proposed Response PROPOSED ACCEPT.	Response Status W		
C/ 33 SC 33.2.4.4 Dove, Daniel	P 45 Dove Networki	L 8 ing Solut	# 209	Cl 33 SC 33.2.4.4 Dove, Daniel	P 48 Dove Networkir	L 23 ng Solut	# 212
SuggestedRemedy	Comment Status X e is incomplete or inaccurate [B]" with "the POWER_UP[B]		Pres: Bullock1 es.	Comment Type ER A variable cannot probe SuggestedRemedy replace "probe" with "in	Comment Status D e. dicate that the PSE is ready to	o probe"	PSE SE
Proposed Response Wait for presentation	Response Status W			Proposed Response PROPOSED ACCEPT.	Response Status W		

Cl 33 SC 33 Dove, Daniel	.2.4.4	P 48 Dove Networ	L 46 king Solut	# 213	CI 33 Dove, Dani	SC 33.2.4 iel	1.7	P 59 Dove Networ	L 1 rking Solut	# 216
Comment Type The text is not o		nt Status D		PSE SD	<i>Comment</i> [•] We ne		<i>Comment</i> or name here. C	Status X		Pres: Bullock1
SuggestedRemedy	within" with "for a	time TLIM deter	mined by"		Suggested	-	ensure that it co	nnects to all an	propriate location	ns within State Diagram.
Proposed Response PROPOSED AC	Response	e Status W			Proposed I		Response	Status W		
Cl 33 SC 33 Dove, Daniel	.2.4.7	P 57 Dove Networ	L 27 king Solut	# 214	Cl 33 Dove, Dani	SC 33.2.4 iel	l.7	P 59 Dove Networ	L 18 rking Solut	# 217
It will enable lov			00 0	Pres: Bullock1 etection for the dual-		••		Status D e entry to the st	tate rather than tl	PSE SD he exit. Is there a style
SuggestedRemedy See state diagra this in his prese	•	ock_01_3bt_101	5 for detail, as I I	pelieve Chris addresses	Suggested Follow at the e	style conven	tion as it applies	.I would presun	ne the logic for e	xiting a state should go
Proposed Response Wait for present		e Status W			Proposed I PROP	,	Response PT IN PRINCIPI	Status W _E.		
<i>Cl</i> 33 <i>SC</i> 33 Dove, Daniel	.2.4.7	P 57 Dove Networ	L 27 king Solut	# 215		he SDs will n when the time		n in Frame eve	entually. Editor to	o follow IEEE style
Comment Type	R Commen	nt Status X		PSE SD	No cha	anges to the o	draft result from	his comment.		
question of style		ould be more rea	dable if only off-	run on-page. This is a page connectors are	<i>Cl</i> 33 Dove, Dani	SC 33.2.4	l.7	P 59 Dove Networ	L 20 rking Solut	# 218
is a connector th	hat as an input to IE n each state combin Response	DLE supports nu ning together to e Status W	merous off-page a single return to	onnectors.Example: A connections. For on- o A would be easier to	here. V <i>Suggested</i> There	e really a nee What if its set Remedy	ed for this state/a all the time? WER_ON states		le gets cleared ir P) that all have th	Pres: Bullock1 n IDLE, then set down nis loop. Is it

C/ 33 SC 33	.2.4.7	P 59	L 23	# 219	CI 33	SC 33.2.4.	7 P 64	L 51	# 222
Dove, Daniel		Dove Network	king Solut		Dove, Dar	iel	Dove Network	king Solut	
Comment Type	rr Co	omment Status X		Pres: Bullock1	Comment	Type TR	Comment Status X		Pres: Bullock1
		ars not to be as indicate			Exit A	rc C is incorrec	t		
0	state, but if v	we intend to leave it, I re	ecommend chan	ging it.	Suggestee	dRemedy			
SuggestedRemedy			- I		Repla	ce C with C1?			
them. Is this rea	lly how we w	at POWER_ON, it has vant this to work? This at EITHER of these vari	s logic should be		'	Response or presentation	Response Status W		
Proposed Response	e Re	sponse Status W			CI 33	SC 33.2.4.	7 P 64	L 51	# 223
Wait for present					Dove, Dar	iel	Dove Network	king Solut	
C/ 33 SC 33	.2.4.7	P 61	L 13	# 220	<i>Comment</i> Exit A	<i>Type</i> TR rc E is incorrec	Comment Status X		Pres: Bullock1
Dove, Daniel		Dove Network	king Solut		Suggestee	Remedy			
Comment Type	FR Co	omment Status X		Pres: Bullock1	00	ce E with A?			
		defined. There is a PSE also CAPs rather than le		t doesn't appear to be	•	Response	Response Status W		
SuggestedRemedy					Wait f	or presentation			
		e required or some text ilable_power.same goe			C/ 33	SC 33.2.5.		L 25	# 224
Proposed Response	e Re	sponse Status W			Dove, Dar		Dove Network	ang Solut	
Wait for present	ation				<i>Comment</i> There		Comment Status X e text. This cannot persist into d	Iraft 2.0	4PID
CI 33 SC 33	.2.4.7	P 64	L 6	# 221	Suggestee	dRemedy			
Dove, Daniel		Dove Network	king Solut		This T	BD will have to	be removed prior to 2.0		
Comment Type	FR Co	omment Status X		Pres: Bullock1	Proposed	Response	Response Status W		
The logic for the that lead into it.	entry arc is	not necessarily the san	ne logic as the e	xit logic on other pages	TFTD				
SuggestedRemedy									
	. Also, this s	e. The other pages that states PSE > 2. Given the states the case?							
Proposed Response	e Re	sponse Status W							
Wait for present	ation								

C/ 33 SC 33.5.1.2. Dove, Daniel	2 P 139 Dove Networkin	<i>L</i> 38 g Solut	# 225	C/ 33 SC 33.1.4 Dwelley, David	P 30 Linear Technol	L 42 ogy	# 228
Comment Type ER Typo	Comment Status D		Editorial	Comment Type E End of Note 2: "(fix rel	Comment Status D erence when finalized)" is sure	to be forgotten	Editorial
SuggestedRemedy Replace "pss_dll_enat	led" with "pse_dll_enabled"			SuggestedRemedy Fix reference to 33.2.7	7.4.1. Remove paranthetical not	e.	
Proposed Response PROPOSED ACCEPT	Response Status W			Proposed Response PROPOSED ACCEP ⁻	Response Status W		
EZ				EZ			
Cl 33 SC 33.6.3.5 Dove, Daniel	P 147 Dove Networkin	L 12 g Solut	# 226	C/ 33 SC 33.1.4 Dwelley, David	P 30 Linear Technol	L 45 ogy	# 229
	Response Status W		<i>Management</i> ible that	Comment Type E I believe the study of a SuggestedRemedy Remove editor's note. Proposed Response I'm not sure that is tru Task force to discuss.	Comment Status X unbalance and temperature rise Response Status W e.	has been com	Editorial
Cl 33 SC 33.6.3.5 Dove, Daniel	P 147 Dove Networkin	L 12 g Solut	# 227	C/ 33 SC 33.1.4.2 Dwelley, David	.1 P 32 Linear Technol	L 3 oqy	# 230
Comment Type TR Just observing that pd can be true while pd_d	Comment Status X _dll_enabled not required on thi Il_enabled is false?	s arc? Is it possil	Management ble that pd_dll_ready	Comment Type E	Comment Status D See Annex 33A", which also app		Unbalance .2.
SuggestedRemedy address as appropriate Proposed Response I'm not sure what arc y	Response Status W				Response Status W		

C/ 33 SC 33. Dwelley, David		L 1 Technology	# 231	C/ 33 Dwelley, I	SC 33.2.7 David	P 79 Linear Tech	L 1 nology	# 234
Comment Type E Editor's note on	Comment Status bage 65 line 1 covers this	D	Editorial	Comment I thin	<i>t Type</i> E k we got them all	Comment Status D		Editorial
SuggestedRemedy Strike this editor	s note.			00	edRemedy e this editor's note.			
Proposed Response PROPOSED AC	Response Status CEPT.	w			l Response POSED ACCEPT.	Response Status W		
EZ				EZ				
C/ 33 SC 33. Dwelley, David		L 16 Technology	# 232	Cl 33 Dwelley,	SC 33.2.7	P 82 Linear Tech	L 39	# 235
Comment Type E			PSE SD	Comment		Comment Status X	nology	PSE Power
assign a value of and shall assign	PSE powers a Type 2, Type f '1' to parameter_type if mut a value of '2' to parameter_t e subsequent sentences can	ual identification is no ype if mutual identifica	t complete (see 33.2.6) ation is complete." This	coinc Suggeste		E needs no extra specs - it ance and should meet all u		
SuggestedRemedy Change "comple	te" to "successful" in three p	laces. Strike the edito	r's note.	Proposed TFTE	l Response)	Response Status W		
Proposed Response	Response Status	w		Shou	Id it be forced to s	upport Icon-2p-unb?		
TFTD				Seed	comment 54			
Cl 33 SC 33. Dwelley, David		L 32 Technology	# 233	C/ 33	SC 33.2.7	P 82	L 42	# 236
				Dwelley, I	David	Linear Tech	nology	
51	R Comment Status	-	PSE SD	Commen	t Type E	Comment Status D		Editorial
"When a PSE po the PSE shall me	nply that a Type 3/4 PSE sha owers a PD of lower Type (Ty eet the PI electrical requirem nrush, Ilnrush-2P, TLIM-2P,	(pePD) than its own na ents of the PD Type (ative type (TypePSE), TypePD), except for	Tlim_ PI of	_max is adequately	described in 33.2.7.7: "Popairset PI current exceeds		
This goes agains 1 and 2 devices	st one goal of the bt project, where possible.	which is to provide 4p	power to existing Type	00	edRemedy			
SuggestedRemedy					ove Note 4.			
Set the sentence the PD it is conn affect this situation	in the positive: "A PSE shal ected to." These are the only on. Or strike the sentence - I .2.9. Remove the editor's no	v requirements in Tabl cut is optional and the	e 33-11 I see that might		d Response POSED ACCEPT.	Response Status W		
Proposed Response	Response Status	w						
TFTD								
	required ER/editorial require		d T/technical E/editorial G/			Comi	ment ID 236	Page 55 of 66

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

<i>CI</i> 33 Dwelley, [SC 33.2.7.5 David	P 85 Linear Techr	L 45 hology	# 237	C/ 33 Dwelley, D	SC 33.2.7.5 David	P 86 Linear Teo	L 6 hnology	# 239
Comment		Comment Status X		Pres: DwelleyXX	Comment		Comment Status X		PSE Inrush
	h-2p should be li y them).	nrush for all SS PDs (and DS	S single-load PD	s if we define a way to	currer	it is shown. This	re is described on line 26 a could imply that the minim		
Suggeste	dRemedy				0	33-14 shows m	in and max).		
		inrush at lines 45, 47, and 49			Suggester	-		livet en une de d'her	
pairse		connected to a DS PD, the ems 5 and 5a will need adju			Type : 14). C	3 and 4 inrush le hange "linrush-2	arked 0.40A(TBD), and ac vels (this may require add pp" labels to "linrush". Add	ng extra figures as a new sentence at	we did with Figure 33- the end of the section
Proposed	Response	Response Status W			(after pairse	. ,	When connected to a DS	PD, the linrush ter	nplate applies to each
Wait	or presentation				Proposed		Response Status W		
	vould change the y call out, but is	effective minimum inrush cu	urrent (which this	comment doesn't	TFTD				
C/ 33	SC 33.2.7.5	P 85	L 49	# 238	C/ 33	SC 33.3.7	P 112	L 1	# 240
Dwelley, [Linear Techr	-	# 230	Dwelley, D	David	Linear Teo	hnology	
Comment		Comment Status X	lology	Pres: DwelleyXX	Comment	Type E	Comment Status D		PD Power
	51	besn't allow for unbalance eff	fects when conn		Note s	seems obsolete:	item 4 no longer has value	es.	
		ail to meet the minimum requ			Suggestee	dRemedy			
conne	cted.				Strike	this editor's note	Э.		
Suggeste	-				Proposed	Response	Response Status W		
		m) as total current for SS PI. See presentation dwelley_3			PROF	OSED ACCEPT			
Proposed	Response	Response Status W			The va	alue has been m	oved to Table 33-16a.		
Wait	or presentation				The n	ote was there to	remind us that we rounded	l up I believe we	e are all ok with this.
					C/ 33	SC 33.3.8	P 119	L 44	# 241
					Dwelley, D	David	Linear Teo	hnology	
						r's Note: To add	Comment Status D line for Type 1 and Type 2 st meet the same specs as		<i>Editorial</i> uch PDs do not
					Suggested			1 1/2 00 1 20.	
						this editor's note	9.		
					Proposed	Response	Response Status W		
					PROF	OSED ACCEPT	IN PRINCIPLE.		
					OBE I	by 151.			
					OBE b	oy 151.			

C/ 33 SC 33.4.9 Dwelley, David	P 129 Linear Techno	L 1 logy	# 242	Cl 33 SC Schindler, Fred	33.1.1	P 27 Seen Simply	L 53	# 244
Comment Type E Section 33.1.4.1 is upo SuggestedRemedy			Editorial	requirements requirements	a. Text coa. All other	Comment Status D cover new types. Legacy text vering 10-GBASE-T points to r PHY data rates place chann	another Clause nel requirements	e to get channel
Strike this editor's note Proposed Response PROPOSED ACCEPT OBE by 27 EZ	Response Status W			"Type 1 oper requires ISO maximum an 10GBASET. For 10GBAS	ation adds /IEC 1180 nbient ope E-T opera	ary text may confuse the read to no significant requirements to 1:1995 Class D or better cabl rating temperature. The claus tion, the channel model spect Power via MDI presence or o	to the cabling. T ling, and a derat se does not add ified in Clause 5	ress the operation of
C/ 25 SC 25.4.5 Schindler, Fred	P 24 Seen Simply	L 1	# 243	SuggestedReme Replace text	-	bllowing,		
Comment Type TR Existing text,	Comment Status D		PMD	"Type 1 oper all PSEs are		no significant requirements t 33.1.4."	to the cabling. C	Cable requirements for
"A receiver in a Type 2 shall meet the	2 or greater Endpoint PSE or T	ype 2 or great	er PD (see Clause 33)	Proposed Respo PROPOSED		Response Status W		
requirements of 25.4.7 accepting more than 1	7. A transmitter in a Type 2 En 3.0 W average power shall me 9.1.7 of TPPMD, or meet the re	eet either the C	pen Circuit Inductance	This section	has been o	deleted (see line 40.)		
should be improved to	clarify meaning and to include	e new Types.						
SuggestedRemedy								

"A 100BASE-TX

receiver in a Type 2 or greater Endpoint PSE or Type 2 or greater PD (see Clause 33) shall meet the requirements of 25.4.7. A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or Type 2 or greater PD delivering or accepting more than 13.0 W average power shall meet either the Open Circuit Inductance (OCL) requirement in 9.1.7 of TPPMD, or meet the requirements of 25.4.5.1."

Proposed Response Response Status W

PROPOSED ACCEPT.

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

Cl 33 Schindler, I	SC 33.1.4	P 30 Seen Simply	L 9	# 245		Cl 33 Schindler, F	SC 33.1.4	c	P 30 Geen Simply	L 18	# 246
Comment 1		Comment Status X			Types	Comment T		Comment St			Types
The Ta "The p	sk Force should	d discuss the sentence, defined by the lowest Type o ers defined according to Tab		a system and has		Table 3 provide CONCE	3-1 no longer i class 1 to 8 pc	represents system ower levels. Note mment may be C	n power level this concern	is related to a c	use Type 4 PSEs may omment marked with ked by CONCERN1
The tex	t permits PSEs	that can provide class-8 po D consuming class 1 power	wer levels to by t	be considered cla	ass 1 be	SuggestedF	Remedy				
used. more c	This results in a	cable power dissipation inc n a Type-1 system permits.	rease of about 2	30x, which is abo	out 9x	This res	ults in these c	hanges,			nced cable system.
Suggested	Remedy							title with "System			Class Power" f PSE and PD)" with
1.The i 2.The i The firs	naximum class naximum class	r system is defined so that of power the PSE Type can pr power the PSE can provide erred because users may se en the case.	ovide, or			"Systen 3.Type 4.Type 5.Type	 Power Limit (becomes Cla becomes Cla becomes Cla becomes Cla becomes Cla 	(PSE class)" ass 3 or 0. ass 4. ass 5 and 6.	eye.eype		
Renlac	e the called-out	sentence with				Proposed R	esponse	Response Sta	ntus W		
"The p	ower system is	defined by the highest powe	r class allowed fo according to Tab	or the Type of PS le 33-1. "	SE in a	Task fo	rce to discuss.				
			j			C/ 33	SC 33.2.0a		P 32	L 33	# 247
Or						Schindler, F	red	S	een Simply		
		defined by the highest powe ars defined according to Tab		E in a system an	nd has	Comment T Normat		Comment Sta present. The exis			Types
Proposed F Task fo	Response prce to discuss.	Response Status W				shows t	he	rized as either Ty s along with supp			4 PSEs. Table 33-1a
						SuggestedF	Remedy				
						Replace	e the text with,				
						"PSEs of meet or	can be categor le or more of t	rized as either Ty he PSE Type req	be 1, Type 2, uirements pro	Type 3, or Type ovide in Table 33	4 PSEs. PSEs shall 3-1a."
						Proposed R	esponse	Response Sta	tus W		
							his be a duplic Imagine so.	cate shall to the p	aces where a	all of these items	are discussed in
						Task fo	rce to discuss	(TFTD)			
		ed ER/editorial required GF spatched A/accepted R/rei				general			Comme	ent ID 247	Page 58 of 66

C/ 33 SC 33.2.5 Schindler, Fred	P 87 Seen Simply	L 37	# 248	Cl 33 S Schindler, Fred	C 33.2.7.7	P 87 Seen Simply	L 5	# 250
Comment Type ER Clause reference 33.2. SuggestedRemedy Use a hyperlink. Proposed Response PROPOSED ACCEPT. EZ	Response Status W		Editorial	"Equation (mode, as w (33-6a), Eq signature F	should be no 33-6), Equa vell as to Typ juation (33-7 2Ds, operatir o Type 4 PS nedy	Comment Status D ormative. tion (33-7) and Figure 33-14 a be 3 and Type 4 PSEs conne a) and Figure 33-14a apply to g in 4-pair mode. Equation (Es connected to single-signal	cted to dual-sig o Type 3 PSEs 33-6b), Equatio	nature PDs. Equation connected to single- n (33-7b) and Figure 33-
Cl 33 SC 33.2.7 Schindler, Fred Comment Type ER Clause reference 33.2.7 SuggestedRemedy Use a valid hyperlink. Proposed Response PROPOSED ACCEPT. EZ	Response Status W	L 14	# 249 Editorial	apply to PS connected shall apply to Ty Equation (3 apply to Ty Proposed Resp PROPOSE The senten Example: 1 the a pairse in Figure 33	Es that ope to dual-sign pe 3 PSEs (33-6b), Equa pe 4 PSEs (bonse D REJECT. aces that des Power shall et of a PSE I 3-	tion (33-7) and Figure 33-14 strate in 2-pair mode, as well a ature PDs. Equation (33-6a), connected to single-signature tion (33-7b) and Figure 33-14 connected to single-signature <i>Response Status</i> W cribe the behavior have the note removed from before the pairset current excerting the pairset excerting the pairset current excerting the pairset excerting th	s to Type 3 and Equation (33-7 PDs, operating b shall PDs, operating	a) and Figure 33-14a g in 4-pair mode. g in 4-pair mode." Is" in them…

Cl 33 Schindler,		33.2.7.7		P 87 Seen Simply	L 12	# 251	C/ 33 Schindler		33.2.7.11		P 91 Seen Simply	L 22	# 252		
Comment	Туре	TR	Comment S	tatus X			Commen	t Type	TR	Comment S	Status D		Unbalance		
" Whe power	The existing text, "When connected to a single signature PD, a Type 3 or Type 4 PSE should (TBD) remove power from both pairsets before the current exceeds the "PSE upperbound template" on either pairset." provides unnecessary guidance. The prior sentence,						"Туре	The text, "Type 2, Type 3 and Type 4 Endpoint PSEs shall meet the requirements of 25.4.5 in the presence of (lunb / 2)."							
provid							Shou	ld be res	stricted to 1	100BASE-T oj	peration.				
			ed from a pairse emplate""	et of a PSE be	fore the pairse	current exceeds	Suggeste	dReme	dy.						
		irement.	emplate						sentence w TX transm						
) to 101, be remove	d from both pa	irsets any time	power is remo	wed from one pairset.		Type 2, Type 3, and Type 4 Endpoint PSEs shall meet the requirements of 25.4.5 for in the presence of (lunb / 2)."							
Editor		All other i				oved from draft. If	Proposed	l Respoi	nse	Response S	tatus W				
			gainst them." 1	The first senter	nce called out i	n this comment is fits	PRO	POSED	ACCEPT.						
the co	ncern e	xpressed	in the Editor's	note.			EZ								
uppert	The requirement in this section prevents one or both of the pairsets from crossing the PSE upperbound template. Concerns about delays in turning off one pairset then a second pairset may not warranted because the device connected to the PSE is no longer					<i>Cl</i> 79 Schindler		79.3.2.6b		P 13 Seen Simply	L 48	# 253			
provid	ers to b		ms capable of			permits system while still providing	Comment Corre		ER 'PD 4PID".	Comment S	Status D		Editoria		
Suggested	dRemec	ly					Suggeste	dReme	ly						
	the ser						Repla	ace this	text with, "F	PD 4P-ID".					
power		oth pairse				E should (TBD) remove pround template" on	Proposed PRO	,	nse ACCEPT.	Response S	tatus W				
Proposed TFTD		ise	Response St	tatus W			EZ								
See 5 [,]	0, 51, 5	2													

C/ 33 SC 33.3.2 Schindler, Fred	P 97 Seen Simply	L 5	# 254	CI 33 Schindler		33.2.4.4	P 44 Seen Simply	L 7	# 255			
Comment Type TR	Comment Status D		PD Class	Comment	Type	ER	Comment Status D		PSE SD			
Unfortunately, the po	text exists to require PDs to pro wer level at which this is possib	ole is not precis	sely called out. Ideally,	Variable PD_4pair_cand on page 66 and PD_4pair_candidate on page 67 appear to be for the same purpose. Neither variable is used.								
the indicator should	operate at the lowest PSE powe	er class-1 level		Suggeste	dRemed	dy						
Physical Layer class power restrictions an	Type 4 PD that does not succe fication or Data Link Layer clas d shall provide the user with an cation is left to the implemented	conform to Type 1 PD	1)Delete both variables and replace one of them with an Editors that reads, Editor's Note: Task force members that want a physical means for determining whether a legacy PD may be powered on both pairsets should provide a solution.									
SuggestedRemedy				OR								
Change the sentence				2)Use only variable PD_4pair_candidate as this variable is used on page 92. Proposed Response Response Status W PROPOSED ACCEPT IN PRINCIPLE.								
Physical Layer class power restrictions an	Type 4 PD that does not succe fication or Data Link Layer clas d shall provide the user with an	sification shall	conform to Type 1 PD									
method of active indi implementer.	cation is left to the			OBE by comment 59.								
Type 3 or Type 4 PD class 1."	s shall provide the active indica	tion while ope	rating within PD power	Cl 33 Schindler		33.2.4.6	P 52 Seen Simply	L 5	# 256			
Proposed Response	Response Status W			Comment	Tvpe	ER	Comment Status D		PSE SD			
PROPOSED REJEC	Т.			The text on lines 5 and 19, "valid: The PSE has detected a PD requesting power."								
Do we really want to	restrict them to class 1? Type	1, yes.										
This would seem to b	erability.	Should correctly describe what a PSE has completed.										
						SuggestedRemedy Replace text called out on line 5 and line 19 with,						
				"valid: The PSE has detected a valid PD detection signature."								
				Proposea PROI	,	nse ACCEPT.	Response Status W					

		D			<u></u>		-			
Cl 33 Schindler, Fr	SC 33.2.6.3 red	P 88 Seen Simply	L 43	# 257	C/ 33 Schindler,	SC 33.2.7.11 Fred		P 91 Seen Simply	L 33	# 260
Comment Ty	vpe ER	Comment Status D		Autoclass	Comment	Type TR	Comment Sta	atus X		Types
		in and PAutoclass appear to be ed in the formula above their d		s is not called out.						d polarity, a higher ation. The sentence,
SuggestedRe	emedy				"Type	4 PSEs are not	required to suppo	ort PTvpa if	they are restricte	d to Class 7 power or
	Watts by addir ariables are in	ng the following text before the Watts."	period on line	44,	lower			лттурсп		
Proposed Re PROPOS	esponse SED REJECT.	Response Status W		permits Type-4 PSEs to limit output power to class levels 1 to 7. Levels 1 to 6 are already provided by Type 1, 2, and 3, PSEs.						
We don't watts.	t specify this ir	any of the other equations that	t have param	eters in votls, amps, or	descr	bing a system to	customers or wh	nen providin	g requirements for	sary complexity when or a specification (see otimization benefit is
C/ 33	SC 33.6.3.1	P 142	L 14	# 258	provid	ed. For example	e, a Type-4 PSE ı	providing 25	5.5W to a PD atta	ached with 30 m of CAT-
Schindler, Fr		Seen Simply								pair Type-3 PSE. This gits used within this
Comment Ty	vpe ER	Comment Status X		DLL	specif	ication. Note that	at a Type-3 PSE o			nce to a Type-4 PSE
	,	PD_DLL_MAX_VALUE, PD_I	ITIAL_VALU		when	their voltage leve	els match.			
PSE_INI	ITIAL_VALUE.									n power levels, and the
SuggestedRe	emedy									The added sentence
		INITIAL_VALUE description (I			infras	ructure for Type	PSEs that will not -4 systems needs	to be deter	rmined using class	ss power levels, which
		AX_VALUE, PD_INITIAL_VAL argin. Additional information o					nt cabling infrastru			1 7
	found at 33.3.7				Suggeste	dRemedy				
Proposed Re	esponse	Response Status W			Strike	the referenced s	sentence, which r	esults in Ty	pe-4 PSE providi	ing class-7 or 8 power
Im not su	ure I follow.	,					revious conventio This restriction a			
							with networks use			
C/ 33	SC 33.2.7.11		L 35	# 259	Proposed	Response	Response Sta	tus W		
Schindler, Fr		Seen Simply			TFTD					
Comment Ty		Comment Status X		PSE Power						
		ent has been calculated with a								
		not make sense to change the rgy transferred when the PSE								
	vel possible in		o providing pe	wor at the highest						
SuggestedRe	emedy									
Have the 1 second		iscuss this. The preferred solu	tion is to use	a sliding window size of						
Proposed Re	esponse	Response Status W								
TFTD										

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

CI 33 SC Schindler, Fred	C 33.2.4.4	P 46 Seen Simply	L 27	# 261	<i>Cl</i> 33 Schindler,	SC 33.2.4.7 Fred	P 59 Seen Simp	L 5	# 262
Comment Type	TR C	Comment Status X		PSE SD	Comment		Comment Status X	'y	Pres: Bullock1
Variable mr Alternative A when only SuggestedRem Recommen	_pse_alternative is used. The Ta y one pairset is o edy	e provides values, A, B, a isk Force needs to decide driven on a PSE that supp It of ALT-A for the case ca RN2.	whether all 2-r ports BOTH pai	dicate which PSE nosfet PSES drive ALT- rsets.	The P permis solutio PSE is state of	OWER_UP block ssible. This is als on provided in a c s not allowed to p diagram does in F	k (where in-rush occurs) sh so required at block POWE omment marked CONCEF ower on both pairsets. Th POWER_ON. The solution when the PSE provides th	ER_ON (where pow RN2 is used to deal is approach mirror n also fixes POWE	pair power is ver is stable). A l with the case when a s what the existing
Values: A:	The PSE uses P	line 31, to provide this inf PSE pinout Alternative A, v PSE that supports BOTH	which is also the		IF (mr	ER_UP _pse_alternative pwrd <= TRUE	= a) THEN		
Proposed Resp	onse Re	esponse Status W							
Why should	I we limit it?					_pse_alternative pwrd <= TRUE	= b) THEN		
TFTD					alt_a_	I_type = single) T pwrd <= TRUE pwrd <= TRUE	HEN		
					IF (sig IF(dll, (mr_p alt_a_ alt_b_ ELSE alt_	ER_ON type = single) T _4PID = 0) + se_ss_mode = 0 pwrd <= TRUE pwrd <= TRUE _a_pwr <= TRUE _b_pwr <= TRUE)) THEN		
						_PSE_alternative pwrd <= TRUE	e = a) THEN		
						_PSE_alternative pwrd <= TRUE	e = b) THEN		
					Suggestee	dRemedy			
					IF (mr	ER_UP _pse_alternative pwrd <= TRUE	= a) THEN		
						_pse_alternative pwrd <= TRUE	= b) THEN		
					IF (((s	ig_type = single)	*		
	ATUS: D/dispate			T/technical E/editorial G ISE STATUS: O/open W/w		d Z/withdrawn	Com	ment ID 262	Page 63 of 66 10/8/2015 9:35:

PM

(dll_4PID = 1)) * (mr_pse_alternative = BOTH))) THEN alt_a_pwrd <= TRUE	C/ 33 SC 33.2.4.7 P 57 L 7 # 263 Schindler, Fred Seen Simply
alt_b_pwrd <= TRUE ELSE alt_a_pwrd <= TRUE	Comment Type TR Comment Status X Pres: Bullock1 TEST_MODE IF (mr_force_pwr_a) THEN Alt_a_pwrd <= TRUE
POWER_ON IF (sig_type = single) THEN IF(dll_4PID = 0) +	Alt_b_pwrd <= TRUE The TEST_MODE block exit does not facilitate one ALT having a fault while the other is
(mr_pse_ss_mode = 0)) THEN alt_a_pwrd <= TRUE alt_b_pwrd <= FALSE	functioning. SuggestedRemedy
ELSE IF(mr_PSE_alternative = BOTH) THEN alt_a_pwr <= TRUE	Break the existing test, (mr_pse_enable = force_power)*(ovld_det_a + short_det_a+ ovld_det_b + short_det_b)
alt_b_pwr <= TRUE IF(mr_PSE_alternative = a) THEN	Into two, one path that (mr_pse_enable = force_power)*(ovId_det_a + short_det_a)
alt_a_pwrd <= TRUE IF(mr_PSE_alternative = b) THEN	That goes to a block,
alt_b_pwrd <= TRUE Proposed Response Response Status W	TEST_ERROR_A Alt_a_pwrd <= FALSE
Wait for presentation	Exit the block as was the case in TEST_ERROR.
	And another path that (mr_pse_enable = force_power)*(ovId_det_b + short_det_b)
	That goes to a block, TEST_ERROR_B
	Alt_b_pwrd <= FALSE
	Exit the block as was the case in TEST_ERROR. Proposed Response Response Status W Wait for presentation

<i>Cl</i> 33 <i>SC</i> 33.2.0a Stover, David	P 33 Linear Technolo	L 1	# 264	C/ 33 SC 33.2.4.7 Stover, David	P 57	L 16	# 267		
Comment Type E Link to 33.3.8 not valid SuggestedRemedy Add hyperlink	Comment Status D	Jgy	Editorial	Comment Type TR Comment Status X Pres: Bullow Mixed use of e.g., "pwr_app(a)" and "pwr_app_a" for inspecting if power is applied to a particular alt, but only "pwr_app_a/b" variables are defined. SuggestedRemedy					
Proposed Response PROPOSED ACCEPT. EZ	Response Status W			Defer to PSE SD deve SD to use "pwr_app_a <i>Proposed Response</i> Wait for presentation	loper. If there exists a distinc /b" nomenclature. <i>Response Status</i> W	tion, define "pwr_	_app() [*] . Else, revise		
Cl 33 SC 33.2.4.4 Stover, David	P 45 Linear Technolo	L 10 Dgy	# 265	Cl 33 SC 33.2.5.0a Stover, David	P 66 Linear Techn	L 35 ology	# 268		
"cand" is used by SD, "c SuggestedRemedy	Comment Status D ne variable are present, PD_4 candidate" is used in 33.2.5.6, definition. Correct outdated re Response Status W N PRINCIPLE.	4PID require	ments.	Comment Type E Paragraph is indented SuggestedRemedy Remove indentation Proposed Response PROPOSED ACCEPT EZ	Comment Status D Response Status W		Editoria		
OBE by comment 59.	P 57	L 5	# 266	C/ 33 SC 33.3.5 Stover, David	P 105 Linear Techn	L 46 ology	# 269		
Stover, David Comment Type TR Mixed use of e.g., "alt_a powered, but only "alt_a SuggestedRemedy	Linear Technolo Comment Status X _pwrd" and "alt_pwrd(a)" for i /b_pwrd" variables are define	nspecting if a d.	Pres: Bullock1 particular alt is	Comment Type E Typo SuggestedRemedy Replace "PD's" with "F Proposed Response PROPOSED ACCEPT OBE by 180	Response Status W		Editoria		

Cl 33 Stover, Dav	SC 33.6.3.3 vid	P 145 Linear Techn	L 10 ology	# 270	C/ 33 Stover, Da	SC 33.8.3.3 avid	P 161 Linear Techn	L 36 ology	# 273
Comment T	Түре Е	Comment Status D		Management	Comment	Type E	Comment Status D		Managemen
pse_po	• •	nce been renamed to pse_p	ower_level in Fi	0	pse_p	• •	ince been renamed to pse_p	ower_level in Fig	•
Suggested	Remedy				Suggeste	dRemedy			
Renam	ne pse_power_ty	pe to pse_power_level			Rena	me pse_power_ty	/pe to pse_power_level		
Proposed R PROPC	Response OSED ACCEPT.	Response Status W			•	Response POSED ACCEPT	Response Status W		
EZ					EZ				
C/ 33 Stover, Dav	SC 33.6.3.5	P 148 Linear Techn	L 9 ology	# 271					
	• •	Comment Status D nce been renamed to pse_p	ower_level in Fi	<i>Management</i> gure 33-16 and					
Suggested	Remedy								
00		pe to pse_power_level							
Proposed R PROPC	Response OSED ACCEPT.	Response Status W							
EZ									
C/ 33 Stover, Dav	SC 33.8.3.3 vid	P 161 Linear Techn	L 5 blogy	# 272					
	51	Comment Status D nce been renamed to pse_p	ower_level in Fi	<i>Management</i> gure 33-16 and					
 Suggestedł	Remedy								
Renam	ne pse_power_ty	pe to pse_power_level							
Proposed R PROPC	Response OSED ACCEPT.	Response Status W							
EZ									

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