CI 33 SC 5.1.2	P 175	L 51	# 1	C/ 79	SC	79		P 208	L 1	# 4
IcDermott, Thomas	Fujitsu			Carlson, S	Steven			HSD/Robert	Bosch	
Comment Type TR	Comment Status X			Comment	Туре	ER	Comment S	tatus X		
additional Types ar	efers to TABLE 33-22. This app nd Features. Should it refer to T	ABLE 33-39? It is	not clear whether the							copied into Clause 79. as actually changed.
	an operate properly without these elds and mechanisms need to be			Suggeste	dRemed	ly				
approved.							rial guidelines fo			
SuggestedRemedy					• ·	-	•		orial/requiremen	ts/words.ntml
Define method and currently written.	fields before progressing the dr	aft further if the c	lraft is inoperable as	Proposed	Respon	se	Response St	tatus O		
Proposed Response				C/ 33	SC :	33.1		P 41	L 4	# 5
roposed Response	Response Status O			Jones, Ch	nad			Cisco		
				Comment	Type	TR	Comment S	tatus X		
CI 30 SC 30	P 24	L 1	# 2	The c	hair sub	mits this	on behalf of ma	intenance. T	his is MR1276 su	ubmitted by David Law
Carlson, Steven	HSD/Robert	Bosch		This v	was sum	bitted ag	ainst 33.1 but a	lso applies to	o 1.4 and 1.5	
Comment Type ER	Comment Status X	iment has been c	opied into Clause 30. It						r over Ethernet', I the body of the s	nowever 'Power over standard.
	the change instructions and to d			Suggeste						
SuggestedRemedy						•	ew definition in a	alphanumeric	c order to IEEE S	td 802.3 subclause 1.
	ditorial guidelines for changes. .org/groups/802/3/WG_tools/edit	torial/requirement	s/words.html	'Defin	itions':	-				
Proposed Response	Response Status O			PSE a		PD that				m consisting of one cabling. (See IEEE St
C/ 33 SC 33 Carlson, Steven	Р 41 HSD/Robert	L 4 Bosch	# 3		ld the fol eviation':		ew definition in a	alphanumerio	c order to IEEE S	td 802.3 subclause 1.
Comment Type ER	Comment Status X			PoE F	Power ov	ver Ether	net			
The replacment of extremely difficult t changes.	the entire clause with the diff ag to tell what has actually changed	ainst the base sta due to the way the	andard makes it nat FrameMaker marks	[3] Mo follow		first para	agraph of IEEE \$	Std 802.3 sul	bclause 33.1 'Ov	erview' to read as
SuggestedRemedy				This	rlause de	ofines the	e functional and	electrical ch	aracteristics for r	providing a Power ove
,	makes it easier to determine what	at has changed.		Ether	net (PoE	i) system	n for deployment	t over balanc	ed twisted-pair c	abling. The system
Proposed Response	Response Status 0	-		Sourc define	cing Equi ed in Cla	ipment (I use 25 a	PSE), for use wi	th the MAU c hese entities	defined in Clause allow devices to	e (PD) and Power 14 and the PHYs draw/supply power
				-		-	D			

Proposed Response Response Status **O**

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment ID 5

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Jones, Chad Cisco Comment Type TR Comment Status X the chair submitted against 33.1.3 but also applies to 1.4. The "definitions "for: Iport (1.4.23) Vp6 (1.4.420) are incorractly placed in the definitions clause of the overall standard for terms (1.4). The yare nearmeters, as such they belongwithin the technical clause in which they are used. SuggestedRemedy Text is not to be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested placement is adjacent to lcable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) Proposed Response Response Status O Comment Type E Comment Status X 'A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD' to "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or a Type 2 or greater D' Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O Change reference in 33.1.3.1 to	33 SC 33.1.3	P 43	L 50	# 6	C/ 25	SC 2	25.4.7	P 23	L 22	# 8
the chair submits this on behalf of maintenance. This is MR1278 submitted by Geoff Thompson. This was submitted against 33.1.3 but also applies to 1.4. "passed through a link specified in : and received" there is a missing link before the semicolon. Checking old versions, the proper link Suggested/Remedy Texts in otro be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested placement is adjacent to leable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) P43 L42 # [] Proposed Response Response Status O Cl 25 SC 25.4.5 P 23 L11 # [] Proposed Response Response Status O Cl 25 SC 25.4.5 P 23 L11 # [] Comment Type E Comment Status X The extron below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. Suggested/Remedy Change: 'A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 2, Type 3, and Type 4 PD Comment Type E Comment Status X Make this match. Suggested/Remedy Class Comment Type Comment Status X 'A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD The extra the status is a Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD and:	nes, Chad	Cisco			Jones, Cha	ad		Cisco		
Thompson. This was submitted against 33.1.3 but also applies to 1.4. The 'definitions' for: opt(1(4.425) Vpe(1(4.425)	mment Type TR	Comment Status X			Comment	Туре	ER	Comment Status X		
The definition of the incorrectly placed in the definitions clause of the overall standard for terms (1.4). They are not terms, They are parameters, as such they belongwithin the technical clause in which they are used. Proposed Response Response Status O SuggestedRemedy Text is not to be changed. Cisco Comment Type E Comment Status X To be specified as a state much more succinctly by asying "Type 2. Type 3, and Type 4 Endpoint PSE or Type 2., Type 3, and Type 4 Endpoint PSE or Type 2., Type 3, and Type 4 PD" Cisco SuggestedRemedy Comment Type E Comment Status X Table 33-1.1.1 P44 L27 # Io Conservert Cisco Cisco Comment Type E Comment Status X The section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. O SuggestedRemedy Consco Consco Consco Comment Type E Comment Status X Table 33-1.1.1 P44 L27 # Io SuggestedRemedy Change "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type B , and Type 4 PD" Type 3, and Type 4 PD Comment Type E Comment Status X The section below, this is stated much more succinctly by saying "Type 2 or greater" SuggestedRemedy Change reference in 33.1.3.1 to TSB-184-A and we have the latest of is expected to be ratified a	the chair submits this on Thompson. This was sub	behalf of maintenance. Th mitted against 33.1.3 but	nis is MR1278 su also applies to 1.	bmitted by Geoff 4.	"passe there is	d throug s a miss	gh a link sing link b	specified in ; and received before the semicolon. Chec	king old versions,	the proper link is 25.4.8
Iport (1.4.23:4) wpd (1.4.425) Vps (1.4.425) wps (1.4.426) vps (1.4.426) add link to the reference section as 25.4.8 Vps (1.4.426) much they are used. Vggested/Remedy Cl 33 SC 33.1.3 P43 L 42 # 0 Text is not to be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested Jones, Chad Cisco Cl 25 SC 25.4.5 P 23 L 11 # 0 Cl 25 SC 25.4.5 P 23 L 11 # 0 Cl 33 SC 33.1.3.1 P 44 L 27 # 0 Conser, Chad Cisco Cisco Cisco Cisco Consert Type E Comment Status X Cisco Cisco Cisco Consert Type E Comment Status X Cisco Cisco Cisco Consert Type A PD ^o . In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. Sc 33.1.3.1 P 44 L 27 # 10 Suggested/Remedy Consert Type 2, Type 3, and Type 4 PD ^o . Cisco Cisco Comment Type E Comment Status X The editors note; we kno	The "definitions" for				Suggested	Remedy	'y			
Vipse (1.4.426) Problem Response Response Status 0 Vipse (1.4.426) Cisco C/ 33 SC 33.1.3 P 43 L 42 # 9 NuggestedRemedy Cisco C/ 33 SC 33.1.3 P 43 L 42 # 9 Text is not to be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested placement is adjacent to locable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) P 23 L 11 # 7 Proposed Response Response Status O C/ 33 SC 33.1.3.1 P 44 L 42 # 9 Comment Type E Comment Status X Table 33-1, the Type 4 entry under the PSE type column has a superscript reference its a cabling column. SuggestedRemedy Circl 25 SC 25.4.5 P 23 L 11 # 7 To Circl 3 SC 33.1.3.1 P 44 L 27 # 10 Circl 3 SC 33.1.3.1 P 44 L 27 # 10 Circl 3 SC 33.1.3.1 P 44 L 27 # 10 Circl 43 SC 33.1.3.1 P 44 L 27 # 10 Circl 33 SC 33.1.3.1 P 44	lport (1.4.234)				add lin	k to the	referenc	e section as 25.4.8		
in which they are used. Suggested/Remedy Text is not to be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested placement is adjacent to leable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) Proposed Response Response Status O Comment Type E Comment Status X "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or a Type 2 or greater pD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater pD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater pD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater pD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater pD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater pD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater b : "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater b : "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" and : change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" b : "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 PD" b : "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 3, and Type 4 PD" b : "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE o	Vpse (1.4.426) are incorrectly placed in t				Proposed I	Respons	se	Response Status O		
Text is not to be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested placement is adjacent to lcable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) Proposed Response Response Status O C/ 25 SC 25.4.5 P 23 L 11 # 7 Dones, Chad Cisco Comment Type E Comment Status X "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" And: change: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" and: change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or a Type 2 or greater PD"		are parameters, as such	they belongwithin		C/ 33	SC 3	33.1.3	P 43	L 42	# 9
Text is not to be changed. Existing text is to be moved to appropriate placement within clause 33. Suggested placement is adjacent to lcable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) <i>troposed Response Response Status Response Status</i> O <i>Comment Type</i> E <i>Comment Type</i> C	agestedRemedy				Jones, Cha	ad		Cisco		
placement is adjacent to loable definition in 33.1.4. (Chair note: this is the comment from the MR. This is now located in 33.1.3.) Proposed Response Response Status O Proposed Response Response Status O O Response Status O Cisco Scores, Chad Cisco Comment Type E Comment Status X Cisco Cisco Ci 33 SC 33.1.3.1 P 44 L 27 # 10 Make this match. Suggested/Remedy Cisco Cisco Cisco Ci mage: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Type 2, Type 3, and Type 4 Endpoint PSE or Type 2 or greater Cisco Suggested/Remedy Change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 Endpoint PSE or a Type 2 or greater Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Cisco and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Cisco and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Cisco and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Cisco		l.			Comment	Туре	Е	Comment Status X		
C/ 25 SC 25.4.5 P 23 L 11 # 7 ones, Chad Cisco Cisco Cisco Cisco Cisco C/ 33 SC 33.1.3.1 P 44 L 27 # 10 A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD Cisco Cisco Suggested/Remedy Change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" E Comment Type E Comment Status X Suggested/Remedy Change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 3, and Type 4 PD" The editors note; we know that it will be called TSB-184-A and we have the latest of is expected to be ratified as is. Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status X The editors note; we know that it will be called TSB-184-A and delete note. Virge 3, and Type 4 PD" Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O	placement is adjacent to	Icable definition in 33.1.4.			item 3	below th	he table.	This note refers to TSB-18	4-A, which is a cal	
C/ 25 SC 25.4.5 P 23 L 11 # [] cones, Chad Cisco Comment Type E Comment Status X Response Status O "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD". P44 L 27 # 10 In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. Cisco Comment Type E Comment Status X The editors note; we know that it will be called TSB-184-A and we have the latest of is expected to be ratified as is. Change reference in 33.1.3.1 to TSB-184-A and delete note. SuggestedRemedy Change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or a Type 2 or greater Pu" Change reference in 33.1.3.1 to TSB-184-A and delete note. PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O	oposed Response	Response Status 0			Suggested	Remed	v -		-	
in Lin (m) in Lin (m) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>on row 4 from column 1 t</td> <td>o column 5.</td> <td></td>							-	on row 4 from column 1 t	o column 5.	
Jones, Chad Cisco Comment Type E Comment Status X "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD". In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Cl 33 SC 33.1.3.1 P 44 L 27 # 10 SuggestedRemedy Change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or a Type 2 or greater PD" E Comment Type E Comment Status X The editors note; we know that it will be called TSB-184-A and we have the latest of is expected to be ratified as is. Change reference in 33.1.3.1 to TSB-184-A and delete note. SuggestedRemedy N" Change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Proposed Response Response Status O	25 \$C 25.4.5	P 23	/ 11	# 7	Proposed I	Respon	se	Response Status O		
Comment Type E Comment Status X "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD". In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" C/ 33 SC 33.1.3.1 P 44 L 27 # 10 Jones, Chad Cisco Comment Type E Comment Status X The editors note; we know that it will be called TSB-184-A and we have the latest of is expected to be ratified as is. Change reference in 33.1.3.1 to TSB-184-A and delete note. c. "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" Proposed Response Response Status O and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Type 3, and Type 4 PD" Proposed Response Response Status O			211	π				,		
 "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD". In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" 								.		
and Type 4 PD". In the section below, this is stated much more succinctly by saying "Type 2 or greater". Make this match. SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"			Type 4 Endpoint	PSE or Type 2. Type 3.			33.1.3.1		L 27	# 10
Make this match. SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" The editors note; we know that it will be called TSB-184-A and we have the latest d is expected to be ratified as is. Change reference in 33.1.3.1 to TSB-184-A and delete note. SuggestedRemedy Change reference in 33.1.3.1 to TSB-184-A and delete note. Proposed Response Response Status O and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"	and Type 4 PD".				,		_			
SuggestedRemedy change: "A 100BASE-TX receiver in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" to: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"		is stated much more succ	cinctly by saying '	'Type 2 or greater".						eres the effects of the first second
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2, Type 3, and Type 4 PD" to: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD" Change reference in 33.1.3.1 to TSB-184-A and delete note. <i>Proposed Response</i> <i>Response Status</i> O		receiver in a Type 2 Typ	e 3 and Type 4 F	Endpoint PSE or Type	•			<u>j</u>		
to: "A 100BASE-TX receiver in a Type 2 or greater Endpoint PSE or a Type 2 or greater PD" and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"	2, Type 3, and Type 4 PD)"				-		3.1.3.1 to TSB-184-A and c	elete note.	
and: change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"		ver in a Type 2 or greater	Endpoint PSE or	a Type 2 or greater	Ũ					
change: "A 100BASE-TX transmitter in a Type 2, Type 3, and Type 4 Endpoint PSE or Type 2, Type 3, and Type 4 PD"	FD				i ropoodu i	loopon				
to: "A 100BASE-TX transmitter in a Type 2 or greater Endpoint PSE or a Type 2 or greater	change: "A 100BASE-TX Type 2, Type 3, and Type	e 4 PD"								
PD"		mitter in a Type 2 or grea	ter Enapoint PSE	or a Type 2 or greater						
Proposed Response Response Status O	oposed Response	Response Status O								

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

CI 33 SC 33.	.2.1	P 45	L 14	# 11	C/ 33	SC 33.2.8.4		107	L 33	# 14
ones, Chad		Cisco			Jones, Ch	lad	Cisc	0		
Comment Type E		nt Status X			Comment		Comment Status			
in this table. To a	a brand new reade	er, this might be	confusing and help	ance in this standard bing them understand let's add section links.	Suggestee	dRemedy	nas that need to be o			
SuggestedRemedy					•	•	ce the commas in nu		lecimal point	s; 12 places
Classification, ar	ript of 1 to Range nd Data Link Laye ript of 2 to Short N	r Classification.	sses supported, P	hysical Layer	Proposed	Response	Response Status	0		
add the note bel 1 see 33.2.7, Ta	ript of 3 to Autocla ow Table 33-2: ble 33-12, and Ta				<i>Cl</i> 33 Jones, Ch	SC 33.2.8.4 ad	P Cisc	107 o	L 47	# 15
2 see 33.2.10 3 see 33.2.7.3					Comment EQ 33	51	Comment Status		int	
Proposed Response	Respons	e Status O			S <i>uggested</i> Equat		ace the comma with a	a decimal poi	int	
C/ 33 SC 33. Jones, Chad	.2.5.1.1	P 54 Cisco	L 42	# 12	Proposed	Response	Response Status	0		
Comment Type E Connection Che know what these	ck shows up with	nt Status X no explanation. V	Ve forget that the	average reader won't	<i>Cl</i> 33 Jones, Ch	SC 33.2.8.4	.1 P Cisc	108 o	L 40	# 16
SuggestedRemedy	-				Comment	Type ER	Comment Status	5 X		
add "(see 33.2.6	5.1)" after Connect	tion Check			EQ 33	3-14. more comr	nas that need to be o	decimal point	S.	
Proposed Response		se Status O			have t	tion 33-14. repla to be an accept	ce the commas with in principal because be 8 places and not	I'm not sure i		s. This comment will numbers are correct to
C/ 33 SC 33 . Iones, Chad	.2.7.3	<i>P</i> 101 Cisco	L 38	# 13		Response	Response Status			
Comment Type E	R Comme	nt Status X								
	You can tell we ha									
SuggestedRemedy										
Equation 33-4. F	Replace the comm	as with decimal	points in 12 places	i.						
Proposed Response	Respons	e Status O								

Cl 33 SC 33.2.8. Jones, Chad	5 <i>P</i> 109 Cisco	L 41	# 17	Cl 33 Jones, Cha	SC 33.3.5 Id	<i>P</i> 140 Cisco	L 44	# 20
Comment Type ER	Comment Status X			Comment		Comment Status X		
	commas that need replaced with	n decimal points	5.	missin detecti presen	g the converse of on signature on t an invalid dete applied to Mode	of this sentence: "A single-sign Mode A, when no voltage or c ection signature on Mode A, wh	urrent is applied	d to Mode B, and shal
EQ 33-16 1 place	place the commas with decimal	points in 6 plac	es. Also:	Mode E	3, when no volta on signature on	single-signature PD shall prese age or current is applied to Moo Mode B, when any voltage be	de A, and shall	present an invalid
EQ 33-17 6 places EQ 33-18 7 places EQ 33-19 9 places EQ 33-23 2 places				Proposed I	Response	Response Status 0		
Proposed Response	Response Status O			C/ 33	SC 33.3.8.5	P 152	L 32	# 21
,				Jones, Cha	ıd	Cisco		
C/ 33 SC 33.3.4	P 139	L 13	# 18	Comment		Comment Status X		
ones, Chad Comment Type E	Cisco Comment Status X	rom two voltage		Equatio Figure	on (33–2) which 33–37, Figure 3	d 33-39 there is a this note: "No results in a slightly lower powe 33–38, Equation (33–27), Equa ler figure 33-38. not to mention	er and current th ation (33–28) an	han results from 17 d Equation (33–30)."
	ture is a resistance calculated f							
	ture is a resistance calculated f ection process". Didn't this used			Suggested	Remedy			
made during the dete SuggestedRemedy	ection process". Didn't this used	to say 'at leas		Add "fi	gure 33-39" to t	he note (two places, page 151		ge 153, line 17) and
made during the dete SuggestedRemedy change: "calculated t		d to say 'at leas		Add "fig copy th	gure 33-39" to the revised note the second sec	to figure 33-38 page 152, line 3		ge 153, line 17) and
made during the dete SuggestedRemedy change: "calculated t	ection process". Didn't this used from two voltage/current measu	d to say 'at leas		Add "fi	gure 33-39" to the revised note			ge 153, line 17) and
made during the dete SuggestedRemedy change: "calculated f to: "calculated from a Proposed Response	ection process". Didn't this used from two voltage/current measu at least two voltage/current mea	d to say 'at leas		Add "fig copy th Proposed F C/ 33	gure 33-39" to the revised note Response	to figure 33-38 page 152, line 3		ge 153, line 17) and # 22
made during the dete SuggestedRemedy change: "calculated for to: "calculated from a Proposed Response	ection process". Didn't this used from two voltage/current measu at least two voltage/current mea <i>Response Status</i> O	d to say 'at leas irements" isurements"	t two measurements'?	Add "fig copy th Proposed F CI 33 Jones, Cha	gure 33-39" to the revised note of Response	to figure 33-38 page 152, line 3 <i>Response Status</i> O <i>P</i> 160 Cisco	32	
made during the dete SuggestedRemedy change: "calculated from a Proposed Response Cl 33 SC 33.3.4 Iones, Chad Comment Type E "while a PD that pres	ection process". Didn't this used from two voltage/current measu at least two voltage/current measu <i>Response Status</i> O <i>P</i> 139 <i>Cisco</i> <i>Comment Status</i> X sent the signature of Table 33–2	d to say 'at leas irements" isurements" <i>L</i> 31	t two measurements'? # 19	Add "fig copy th Proposed F Cl 33 Jones, Cha Comment T Table 3	gure 33-39" to the revised note of Response SC 33.4.3 Ind Type ER 33-32. commas	to figure 33-38 page 152, line 3 Response Status O P 160	L 10	# [22
made during the dete SuggestedRemedy change: "calculated f to: "calculated from a Proposed Response Cl 33 SC 33.3.4 Jones, Chad Comment Type E "while a PD that pres while a PD that PRE	ection process". Didn't this used from two voltage/current measu at least two voltage/current measu <i>Response Status</i> O <i>P</i> 139 <i>Cisco</i> <i>Comment Status</i> X sent the signature of Table 33–2	d to say 'at leas irements" isurements" <i>L</i> 31	t two measurements'? # 19	Add "fig copy th Proposed F Cl 33 Jones, Cha Comment T Table 3 Suggested	gure 33-39" to the revised note in Response SC 33.4.3 ad Type ER 33-32. commas Remedy	to figure 33-38 page 152, line 3 <i>Response Status</i> O <i>P</i> 160 <i>Cisco</i> <i>Comment Status</i> X to be replaced with decimal po	<i>L</i> 10 <i>L</i> 10 bints, 39 places	# 22
made during the dete SuggestedRemedy change: "calculated from a Proposed Response Cl 33 SC 33.3.4 Jones, Chad Comment Type E "while a PD that pres	ection process". Didn't this used from two voltage/current measu at least two voltage/current measu <i>Response Status</i> O <i>P</i> 139 Cisco <i>Comment Status</i> X sent the signature of Table 33–2 SENTS	d to say 'at leas irements" isurements" <i>L</i> 31	t two measurements'? # 19	Add "fig copy th Proposed F Cl 33 Jones, Cha Comment T Table 3 Suggested	gure 33-39" to the revised note Response SC 33.4.3 Id Type ER 33-32. commas Remedy 33-32. commas	to figure 33-38 page 152, line 3 Response Status O P 160 Cisco Comment Status X	<i>L</i> 10 <i>L</i> 10 bints, 39 places	# 22

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 33 SC 33.4.4 Jones, Chad	<i>P</i> 161 Cisco	L 34	# 23	C/ 33 SC 33.2.5.11 Picard, Jean	P 83 Texas Instru	L 6 uments	# 26
Comment Type ER Table 33-33. commas SuggestedRemedy	Comment Status X s to be replaced with decimal p	points, 10 places		staggered detection is	Comment Status X 4pair_cand variable can he used for DS PD.	Ip simplify the sta	ate diagram, even if
Table 33-33. commas Proposed Response	s to be replaced with decimal p <i>Response Status</i> O	points, 10 places			nd_pri <= TRUE" with "PD nd_pri <= FALSE" with "PI		
/ 33 SC 33.4.9.1	I.1 <i>P</i> 168 Cisco	L 35	# 24		Response Status O		# 07
omment Type ER	Comment Status X			C/ 33 SC 33.2.5.11 Picard, Jean	P 85 Texas Instru	L 6 Iments	# 27
EQ 33-34 to 33-38. c	ommas to be replaced with de	cimal points. 12	places total	Comment Type TR	Comment Status X		
uggestedRemedy EQ 33-34 to 33-38. co	ommas to be replaced with de	cimal points, 12	nlaces total		4pair_cand variable can he	Ip simplify the sta	ate diagram, even if
	Response Status O			SuggestedRemedy			
	•			Replace "PD_4pair_ca	nd_sec <= TRUE" with "PI nd_sec <= FALSE" with "P		
Proposed Response	Response Status O	L 5	# <u>25</u>	Replace "PD_4pair_ca	—		
Proposed Response 7 33 SC 33.2.5.1 icard, Jean Comment Type TR Parenthesis is at wron	Response Status O	L 5 nents	# 25	Replace "PD_4pair_cai Replace "PD_4pair_cai	nd_sec <= FALSE" with "F	L 51	
Proposed Response 33 SC 33.2.5.1 icard, Jean Comment Type TR Parenthesis is at wrou IF (pd_cls_4PID_pri *	Response Status O	L 5 nents	# 25	Replace "PD_4pair_can Replace "PD_4pair_can Proposed Response Cl 33 SC 33.2.8.2	nd_sec <= FALSE" with "F Response Status O P105	L 51	= FALSE"
Proposed Response 2/ 33 SC 33.2.5.1 Pricard, Jean Comment Type TR Parenthesis is at wrou IF (pd_cls_4PID_pri * SuggestedRemedy Replace with this:	Response Status O 11 P 83 Texas Instrum Comment Status X ng location in the CLASS_EVA (sig_pri = valid) * (sig_sec = v	L 5 nents AL_PRI block for valid + pwr_app_:	# 25 following equation. sec))	Replace "PD_4pair_can Replace "PD_4pair_can Proposed Response Cl 33 SC 33.2.8.2 Picard, Jean Comment Type TR To ensure acceptable s	nd_sec <= FALSE" with "F Response Status O P 105 Texas Instru	L 51	= FALSE" # 28
Proposed Response Cl 33 SC 33.2.5.1 Picard, Jean Comment Type TR Parenthesis is at wron IF (pd_cls_4PID_pri * SuggestedRemedy Replace with this: IF (pd_cls_4PID_pri *	Response Status O	L 5 nents AL_PRI block for valid + pwr_app_:	# 25 following equation. sec))	Replace "PD_4pair_can Replace "PD_4pair_can Proposed Response Cl 33 SC 33.2.8.2 Picard, Jean Comment Type TR To ensure acceptable s	nd_sec <= FALSE" with "F Response Status O P 105 Texas Instru Comment Status X steady-state operating cond	L 51	= FALSE" # 28
Proposed Response Cl 33 SC 33.2.5.1 Picard, Jean Comment Type TR Parenthesis is at wrou IF (pd_cls_4PID_pri * SuggestedRemedy Replace with this:	Response Status O	L 5 nents AL_PRI block for valid + pwr_app_:	# 25 following equation. sec))	Replace "PD_4pair_cat Replace "PD_4pair_cat Proposed Response Cl 33 SC 33.2.8.2 Picard, Jean Comment Type TR To ensure acceptable s circumstances longer th SuggestedRemedy Add the following note a "PSE should avoid caus	nd_sec <= FALSE" with "F Response Status O P 105 Texas Instru Comment Status X steady-state operating conc han 250us transients or sig at the end of 33.2.8.2. sing such long duration (> 2 n of rare circumstances inv	<i>L</i> 51 <i>L</i>	= FALSE" # 28 o explain in which teps may be expected or significant voltage

C/ 33 SC 33.3.3.15 P 135 L 5 # 29 Picard, Jean Texas Instruments	C/ 33 SC 33.2.5.12 P 86 L 4 # 32 Picard, Jean Texas Instruments
Comment Type TR Comment Status X VPD should refer to ModeA	Comment Type TR Comment Status X The situation of class fault (overcurrent) is not in the class state diagram for single and dual signature.
SuggestedRemedy Replace every occurrence of VPD with VPD_modeA.	SuggestedRemedy
Proposed Response Response Status O	Update the SD with class faults. See presentation TBD on this subject.Proposed ResponseResponse StatusO
C/33 SC 33.3.3.15 P 137 L 5 # 30 Dicard, Jean Texas Instruments	C/ 33 SC 33.2.5.12 P 80 L 18 # 33 Picard, Jean Texas Instruments
Comment Type TR Comment Status X VPD should refer to ModeB	Comment Type ER Comment Status X There is a typo error: mr_pse_alterantive = both
SuggestedRemedy Replace every occurrence of VPD with VPD_modeB. Proposed Response Response Status O	SuggestedRemedy Replace with this mr_pse_alternative = both Proposed Response Response Status O
If 33 SC 33.3.3.10 P 129 L 15 # 31 icard, Jean Texas Instruments romment Type TR Comment Status X	C/ 33 SC 33.2.5.12 P 81 L 5 # 34 Wendt, Matthias Philips Lighting
The PD behavior during inrush is not fully described in the state diagram, referring to 33.3.8.3. For example, Single-signature PDs assigned to Class 1, 2, or 3 shall conform to PClass_PD and PPeak_PD within TInrush-2P min. Another example is that it has to meet inrush requirements with the PSE behavior as defined in 33.2.8.5.	Comment Type TR Comment Status X State diagram Figure 33–15: Issue #1 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf
uggestedRemedy Add an editor's note to review the PD state diagram to cover inrush behavior. proposed Response Response Status O	From CLASS_EVAL to POWER_UP the condition is "pd_req_pwr < pse_avail_pwr" which has the effect that if the PSE has Class 1 available and the PD requests Class 1 the PSE will hang in CLASS_EVAL.
	The same applies to Class 2. SuggestedRemedy Changing it to "pd_req_pwr_pse_avail_pwr" fixes the issue. See yseboodt_02_0716_sdfix_baseline.pdf
	Proposed Response Response Status O

C/ 33 SC 33.2.5.12 P 86 L 4 # 35 Wendt, Matthias Philips Lighting	C/ 33 SC 33.2.5.12 P 80 L 31 # 37 Wendt, Matthias Philips Lighting
Comment Type TR Comment Status X State diagram Figure 33–15: Issues #2-4 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf	Comment Type TR Comment Status X State diagram Figure 33–15: Issue #6 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf
From CLASS_EV1_LCE the exits to MARK_EV1 and MARK_EV_LAST forget to check the variable pse_avail_pwr. Currently the SD would allocate more power than is available. Same in the state CLASS_EV2. Same in the state CLASS_EV4. SuggestedRemedy	From DETECT_EVAL to IDLE (label A), parenthesis are missing around "(CC_DET_SEQ = 0) + (CC_DET_SEQ = 3)". Without these, the AND takes precedence over the OR. SuggestedRemedy Add parenthesis.
Changing it to check the variable pse_avail_pwr fixes the issues. See yseboodt_02_0716_sdfix_baseline.pdf Proposed Response Response Status O	See yseboodt_02_0716_sdfix_baseline.pdf Proposed Response Response Status O Cl 33 SC 33.2.5.12 P 86 L 6 # 38
Cl 33 SC 33.2.5.12 P 79 L 19 # 36 Wendt, Matthias Philips Lighting Comment Type TR Comment Status X State diagram Figure 33–15: Issue #5 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf From the IDLE state, the branch into START_CXN_CHK and the branch into START_DETECT can be True simultaneously when CC_DET_SEQ = 1 and mr_pse_alternative = 'both'. Going through connection check only makes sense when mr_pse_alternative = 'both'. SuggestedRemedy	Wendt, Matthias Philips Lighting Comment Type TR Comment Status X State diagram Figure 33–15: Issue #7 as already pinpointed in yseboodt_02_0716_sdfix_baseline.pdf and yseboodt_02_0716_sdfix.pdf The SD still uses 'tacs_timer' which has been renamed to 'tclassacs_timer'. SuggestedRemedy Change to 'tclassacs_timer'. See yseboodt_02_0716_sdfix_baseline.pdf Proposed Response Response Status O
Change to ((CC_DET_SEQ = 0) + (CC_DET_SEQ = 3)) *(mr_pse_alternative = both) *pse_ready *!(pwr_app_pri + pwr_app_sec) *(mr_pse_enable = enable). See yseboodt_02_0716_sdfix_baseline.pdf	

Proposed Response Response Status **O**

CI 33	SC 33.2.5.12	P 90	L 4	# 39	C/ 33	SC	33.4.9	P 167	L 16	# 42
Vendt, Matth	nias	Philips Lighting	ļ		Trowbridg	e, Steve	е	Nokia		
Comment Ty	pe TR	Comment Status X			Comment	Туре	Е	Comment Status X		
Issue #7	ngram Figure 3 as already pir t_02_0716_sd	pointed in yseboodt_02_0716	_sdfix_baseline	e.pdf and	jumpe	er exten		in Figure 33-47: in the cross- e jumper, and in the midspar t side		
Resolutio	on to Stovers	comment #122 against D1.7 ha	as not been im	plemented	Suggestee		-			
SuggestedRe	emedv	-			Tidy u	p the fi	gure			
00		nment #122 against D1.7'.			Proposed	Respo	nse	Response Status O		
See also	yseboodt_02	_0716_sdfix_baseline.pdf				00			1.40	"
Proposed Re	esponse	Response Status O			<i>Cl</i> 79 Trowbridg		79.4.2 e	<i>P</i> 226 Nokia	L 49	# 43
C/ 33 Vendt, Matth	SC 33.2.7.2	P 98 Philips Lighting	L 29	# 40	<i>Comment</i> Missir		E under Max	Comment Status X kimum Frame Size row		
Comment Ty	rpe T	Comment Status X			Suggestee Add th	d <i>Reme</i> o ne line	dy			
		D changes its class signature t ofined as already pinpointed in			Proposed	Respoi	nse	Response Status O		
It would b	be beneficial t	o define this for future use.								
SuggestedRe adopt yse	e <i>medy</i> eboodt_03_07	16 class			CI 33 Trowbridg		33.B.1 e	<i>P</i> 238 Nokia	L 30	# 44
Proposed Re		– Response Status O			Comment	Туре	Е	Comment Status X		
·					Vport_	_PSE a	nd betwee	ts in Figure 33B-2 - the vertic en Vport_PSE and Vdiff2 are eral of the lines that are suppo	composed of mi	ultiple line segments
% 33 rowbridge, ১	SC 33.4.4 Steve	<i>P</i> 163 Nokia	L 12	# 41	Suggestee					
omment Ty		Comment Status X			Zoom	in clos	e and tidy	up the figure		
		fferent symbol for ground than	the surroundin	g figures, e.g., 33-43,	Proposed	Respoi	nse	Response Status 0		
	onsistent sym	bol for ground across all figure tents that form it need to be tic								
Proposed Re	•	Response Status 0	-	-						

C/ 33 SC 33.2.7 Bennett, Ken	P 96 Sifos Technologie	L 34 # 45		SC 33.3.8. 2	2.1	P 148 Sifos Technol	L 37 ogies In	# 47
Comment Type E	Comment Status X in Table 33-12, refers to equation id 33-2 is PClass.)		Comr Ition 33-2. T ". P P r r	nent Type T nis section states: the PD may consu Class at the PSE P roblem: Equation 3	l." 3-2 defines PCI	Status X n PClass_PD bu ass by RChan a	ut shall not constand PClass_PD.	ume greater than If a PD consumes 33-2 to be exceeded.
	P 97 Sifos Technologie Comment Status X potnote for (PClass-2P) in the hea		B P P Propo	opend the following where PClass is th Class value in table sed Response	e lesser of: a) tl	ne PSEs PClas		b) the overmargined
table effectively has a SuggestedRemedy Add a footnote to PCIa	in equation 33-3. If there's no no	s: SE PI calculated using n	Comr T	ett, Ken <i>nent Type</i> T ne statement:	Comment all not exceed F	Class at the PS		# 48

Cl 33 SC 33.3.8.4.1 P 151 L 2 # 49	Cl 33 SC 33.3.8.5 P 151 L 32 # 51
Bennett, Ken Sifos Technologies, In	Bennett, Ken Sifos Technologies, In
Comment Type T Comment Status X	Comment Type E Comment Status X
This section addresses peak power for Class 6 and 8 extended power. It mirrors section 33.3.8.4, however it is missing a Peak Power value.	The templates show a second upperbound step after Tcut-2P min. This step is the power that a peak pulse must fall below before PSE TCut timing is reset.
The average power (Pport_PD) in extended mode is limited to PClass at the PSE. Ppeak_PD limits use a fixed multiplier (1.05 x PClass_PD). Ppeak_PD is a fixed limit at the PD and is variable with respect to PClass at the PSE (due to changes in channel loss). For interoperability and clarity, the Peak Power limit should remain at the same factor of 1.05, referenced to the PD PI.	After a Peak lasting TCut-2P min ends, the instantaneous power must stay below the second step for 950msecs. Peaks lasting less than TCut-2P min may exceed the second step after droppin below the PClass_PD power level. The always-valid portion of the second step is the transition at TCut-2P-min.
SuggestedRemedy	SuggestedRemedy
Append the text below to the paragraph ending on Pg 151, Ln 2.	For clarity, shorten the duration of the second step in Figures 33-37, 33-38, 33-39 to 1/4 or 1/8 of their existing length.
Peak operating power shall not exceed 1.05 x Port_PD max.	Proposed Response Catatus O
Proposed Response Response Status O	
	CI 33 SC 33.3.8.5 P 153 L 3 # 52
C/ 33 SC 33.3.8.5 P 151 L 31 # 50	Bennett, Ken Sifos Technologies, In
Bennett, Ken Sifos Technologies, In	Comment Type T Comment Status X
Comment Type T Comment Status X	The Class 6 and 8 extended template and Equation 33-30 impose peak power values of
Figures 33-37, 33-38, and 33-39 show PD upperbound templates. These are also	lpeak*Vpse.
described as operating masks, and a normative shall states the PDs must operate below these upperbound templates.	PDs are not required to "know" Vpse: without Vpse, this is an unknown limit.
The figures are valid up to TCut-2P min for a single peak rising above the PClass_PD power level. The figures are not valid for multiple peaks that are shorter duration than	Another submitted comment suggested "1.05 x Pport_PD max" as a Ppeak limit for extended mode. If it was accepted, it should appear here as well.
TCut-2P min (see 5% duty cycle in 33.3.8.4).	SuggestedRemedy
SuggestedRemedy	Replace Ipeak*Vpse with "1.05 x Pport_PD max".
Change the NOTE as follows and put it under each respective template (replacing the existing notes where they appear):	Proposed Response Response Status O
NOTE - Figure 33-## applies to a single peak which exceeds the PClass_PD power value.	
Proposed Response Response Status O	

C/ 33 SC 33.3.8.1 Bennett, Ken	0 P 155 Sifos Technol	L 30 logies, In	# 53	Cl 33 SC 33 Tremblay, David	3.6.4.1	P 185 Hewlett Pack	L 27 ard Enter	# 55
Comment Type T	Comment Status X	logico, m			E Com	ment Status X		
••	scribes a test set-up to meet lo	on-2P and Icon-2	2P_unb, which are	••		ine 27 does not align	n with the PSE po	ower control state
The Normative "Shall	" refers to a test set-up (derive	d from models) a	as the condition under	SuggestedRemedy				
	on-2P_unb must be met. There			Replace the wo PSE power con			?7 in order mainta	ain consistency with t
SuggestedRemedy See Bennett_01_091	6.pdf			PSE_NEW_VA	LUE is smaller	than PSEAllocatedP	owerValue, it ent	ers the MIRROR
Proposed Response	Response Status O			Proposed Response	e Respo	onse Status O		
Cl 33 SC 33.6.5	P 225	L 13	# 54	CI 33 SC 33	8.6.3.5	P 183	L 33	# 56
Demasti Kan				Tremblay, David		Hewlett Pack	ard Enter	
Sennett, Ken	Sifos Technol	logies, In		,				
Comment Type E	Comment Status X		data link classification	Comment Type		ment Status X iagram makes use o	f setting local_sy	stem_change as a
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame".	Comment Status X s transactions using "LLDP Fra andard use the more specific to LLDP Frame" definition in Clau	ame". All other d erms: "Power via	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC	control state di transitioning fro indition never gr when exiting th T condition exit	iagram makes use o m the RUNNING to ets reset. For clarity e MIRROR UPDATE	the PSE POWER , the local_system E state.	R REVIEW state;
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in	Comment Status X s transactions using "LLDP Fra andard use the more specific to LLDP Frame" definition in Clau	ame". All other d erms: "Power via	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste	control state di transitioning fro indition never gi when exiting th T condition exit em_change.	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE	the PSE POWER , the local_system E state.	R REVIEW state; m_change condition
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy	Comment Status X s transactions using "LLDP Fra andard use the more specific to LLDP Frame" definition in Clau	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC	control state di transitioning fro indition never gi when exiting th T condition exit em_change.	iagram makes use o m the RUNNING to ets reset. For clarity e MIRROR UPDATE	the PSE POWER , the local_system E state.	R REVIEW state; m_change condition
Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy Change all instances	Comment Status X s transactions using "LLDP Fra andard use the more specific to LLDP Frame" definition in Clau section 33.6.1. of "LLDP Frame" in table 33-6	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste	control state di transitioning fro indition never gi when exiting th T condition exit em_change.	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE	the PSE POWER , the local_system E state.	R REVIEW state; m_change condition
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy Change all instances "TLV Frame" or "LLD	Comment Status X s transactions using "LLDP Fra andard use the more specific to LLDP Frame" definition in Clau section 33.6.1. of "LLDP Frame" in table 33-6	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste Proposed Response	control state di transitioning fro indition never g when exiting th T condition exit em_change.	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE ting the MIRROR UP onse Status O	the PSE POWER , the local_system E state.	R REVIEW state; m_change condition
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy Change all instances "TLV Frame" or "LLD	Comment Status X s transactions using "LLDP Fra andard use the more specific to LDP Frame" definition in Clau section 33.6.1. of "LLDP Frame" in table 33-6	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste Proposed Response CI 33 SC 33 Walker, Dylan	control state di transitioning fro indition never ge when exiting th T condition exit em_change. Response 5.8.3.2	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE ting the MIRROR UP onse Status 0 P 191 Cisco	the PSE POWEF whe local_system = state. PDATE state betw	R REVIEW state; m_change condition veen lines 33 and 34
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy Change all instances "TLV Frame" or "LLDI	Comment Status X s transactions using "LLDP Fra andard use the more specific to LDP Frame" definition in Clau section 33.6.1. of "LLDP Frame" in table 33-6	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste Proposed Response CI 33 SC 33 Walker, Dylan Comment Type	control state di transitioning fro indition never gr when exiting th T condition exit em_change. Response 3.8.3.2 TR Com	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE ting the MIRROR UP onse Status O	the PSE POWEF whe local_system state. PDATE state betw <i>L</i> 53	R REVIEW state; m_change condition ween lines 33 and 34 # <u>57</u>
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy Change all instances "TLV Frame" or "LLDI	Comment Status X s transactions using "LLDP Fra andard use the more specific to LDP Frame" definition in Clau section 33.6.1. of "LLDP Frame" in table 33-6	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste Proposed Response CI 33 SC 33 Walker, Dylan Comment Type	 control state di transitioning fro indition never ge when exiting the exit of the	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE ting the MIRROR UP onse Status 0 P 191 Cisco ment Status X e of connection check	the PSE POWEF whe local_system state. PDATE state betw <i>L</i> 53	R REVIEW state; m_change condition ween lines 33 and 34 # <u>57</u>
Comment Type E Table 33-60 describes transactions in the sta or "TLV Frame". There isn't a formal "L specifically defined in SuggestedRemedy Change all instances	Comment Status X s transactions using "LLDP Fra andard use the more specific to LDP Frame" definition in Clau section 33.6.1. of "LLDP Frame" in table 33-6	ame". All other d erms: "Power via use 33, whereas '	a MDI TLV", "LLDPDU",	Comment Type The PSE power condition when however, the co should be reset SuggestedRemedy Replace the UC with !local_syste Proposed Response CI 33 SC 33 Walker, Dylan Comment Type PICS entry for th SuggestedRemedy Insert the PICS PSE 10 Conne	control state di transitioning fro indition never ge when exiting the condition exitem_change. <i>Respo</i> 8.3.2 TR Com he performance for connection ection check 33	iagram makes use o m the RUNNING to ets reset. For clarity le MIRROR UPDATE ting the MIRROR UP onse Status 0 P 191 Cisco ment Status X e of connection check	the PSE POWEF whe local_system state. PDATE state betw <i>L</i> 53 k as described in via the PSE PI by	R REVIEW state; m_change condition ween lines 33 and 34 # <u>57</u> 33.2.6.1 is missing.

Cl 00 SC 0 Ran, Adee	P 27 Intel	L 5	# 58	C/ 79 SC 79.3.7 Ran, Adee	P 218 Intel	L 11	# 60
from the base docum dentify the changes.	Comment Status X auses 30.9, 30.10, and clause nent, with editorial instructions Amendments should include c	only in some sub	clauses. It is difficult to	Comment Type E Stray hyphen in trans- SuggestedRemedy delete hyphen	Comment Status X -mission		
SuggestedRemedy	ed subclauses in the amendm	ont		Proposed Response	Response Status O		
0		ent.			····		
Proposed Response	Response Status O			<i>Cl</i> 79 <i>SC</i> 79.3.7.1 Ran, Adee	P 219 Intel	L 4	# 61
C/ 33 SC 33	P 41	L 1	# 59	Comment Type E	Comment Status X		
	Intel Comment Status X			space before closing p	paren		
Comment Type TR It is extremely difficul file does not help mu modified, and there a marking.	Comment Status X It to review a whole clause that uch, since much of the figures t are many minor editorial chang	hat were not chan es that cause lots	nged are marked as s of blue and red	space before closing p SuggestedRemedy delete space Proposed Response	paren Response Status O		
Comment Type TR It is extremely difficul file does not help mu modified, and there a marking. Amending an existing Technically, it is uncl	Comment Status X It to review a whole clause that uch, since much of the figures t are many minor editorial chang g clause should be done with t lear how the large number of c	hat were not chai es that cause lots he minimum char	nged are marked as s of blue and red nges required.	SuggestedRemedy delete space		L 20	# 62
It is extremely difficul file does not help mu modified, and there a marking. Amending an existing Technically, it is uncl affect compliance of	Comment Status X It to review a whole clause that uch, since much of the figures t are many minor editorial chang g clause should be done with t lear how the large number of c	hat were not chan es that cause lots he minimum char hanges in an exis	nged are marked as s of blue and red nges required. sting clause would	SuggestedRemedy delete space Proposed Response CI 00 SC 0 Ran, Adee Comment Type TR The comma here seen	Response Status 0 P 214	or. (This equatio	on appears in the base
Comment Type TR It is extremely difficul file does not help mu modified, and there a marking. Amending an existing Technically, it is uncl affect compliance of Wouldn't it be more a SuggestedRemedy Either have this ame	Comment Status X It to review a whole clause that uch, since much of the figures t are many minor editorial chang g clause should be done with t lear how the large number of c existing devices.	hat were not chai es that cause lots he minimum char hanges in an exis se to cover the 4- specific changes	nged are marked as s of blue and red nges required. sting clause would -pair POE?	SuggestedRemedy delete space Proposed Response Cl 00 SC 0 Ran, Adee Comment Type TR The comma here seer document with a perio There are other cases	Response Status O P 214 Intel Comment Status X ms to be decimal point indicat	or. (This equatio should not be ch ndicator. This is	on appears in the base hanged at all) against the style
Comment Type TR It is extremely difficul file does not help mu modified, and there a marking. Amending an existing Technically, it is uncl affect compliance of Wouldn't it be more a SuggestedRemedy Either have this ame "replace"), or create	Comment Status X It to review a whole clause that uch, since much of the figures t are many minor editorial chang g clause should be done with t lear how the large number of c existing devices. appropriate to have a new clau	hat were not chai es that cause lots he minimum char hanges in an exis se to cover the 4- specific changes ifications. se, consider addi	nged are marked as s of blue and red nges required. sting clause would -pair POE? (instead of a global ng an editor's note	SuggestedRemedy delete space Proposed Response Cl 00 SC 0 Ran, Adee Comment Type TR The comma here seer document with a perio There are other cases manual (12.2 item a: " SuggestedRemedy	Response Status O P 214 Intel Comment Status X ms to be decimal point indicat od, as in all other equations. It s of using comma as decimal i	or. (This equatio should not be ch ndicator. This is e a dot on the lir	on appears in the base hanged at all) against the style ne (decimal point).")

CI 79 SC 79.3.7.1 P 220 L 6 # 63 Ran, Adee Intel	Cl 79 SC 79.3.7.2 P 221 L 44 Ran, Adee Intel	# 65
Comment Type T Comment Status X "(decimal value of bits)" is meaningless here. A bit field that carries a value typically encodes that value to a binary representation unless stated otherwise. The number is not decimal or binary, the base only affects the text representation.	Comment Type E Comment Status X x used instead of multiplication sign, twice SuggestedRemedy Change to multiplication signs	
Also applies to the next two bit fields. SuggestedRemedy Fither delete "(desired veloce of bits)" as choose it to "(considered on versioned biners)", in all	Proposed Response Response Status O	
Either delete "(decimal value of bits)" or change it to "(encoded as unsigned binary)", in all occurences Proposed Response Response Status O	CI 79 SC 79.3.7.3 P 222 L 15 Ran, Adee Intel	# 66
Cl 79 SC 79.3.7.1 P 220 L 16 # 64 Ran, Adee Intel Comment Type T Comment Status X "VPort_PD-2P = (decimal value of bits) mV" is an awkward way of describing the value or meaning of this bits. Also, a voltage value is not "decimal", only the text representation has a base.	Comment Type E Comment Status X missing space before 65535 SuggestedRemedy insert space Proposed Response Response Status O	
I assume the measured value is rounded down or to the nearest mV and the result is encoded. This applies to many other occurences of "decimal value of bits" in this amendment. I am aware of two occurences in the base document, but this amendment adds a lot more.	Cl 79SC 79.3.7.3P 222L 14Ran, AdeeIntelComment TypeEComment StatusX"= decimal value of bits" does not add any clarity here	# 67
SuggestedRemedy Change this one to "VPort_PD-2P / 1 mV, rounded down and encoded as unsigned binary" or "VPort_PD-2P in mV units, rounded down and encoded as unsigned binary"	SuggestedRemedy delete these words Proposed Response Response Status O	
(or rounded up or whatever is intended)		
Change other occurences in a simiar style (with appropriate units and resolution). Proposed Response Response Status O		

Cl 79 SC 79.3.7.3		L 3	# 68	C/ 33A SC 33A.3		L 16	# 71
Ran, Adee	Intel			Ran, Adee	Intel		
Comment Type TR	Comment Status X			Comment Type TR	Comment Status X		
completely implement	s description how this value sh tation dependet field? Does a	number lower th	an 1000 indicate power	Seems like a norma 33A.	ative requirement in an informati	ve annex. Also in	other subclauses of
is cheap (and if so, whether to go out?	hat should be done)? Does a v	ery high numbe	r mean power is about	SuggestedRemedy			
SuggestedRemedy				Make this annex no	rmative?		
,	eaning of this field is implemen	ntation depende	nt please state it.	Proposed Response	Response Status O		
Proposed Response	Response Status 0			. <u></u>			
C/ 79 SC 79.3.7.4	P 222	L 20	# 69	Cl 33A SC 33A.5 Ran, Adee	P 234 Intel	L 7	# 72
Ran, Adee	Intel	L 20	# 09	Comment Type E "guide lines"	Comment Status X		
Comment Type TR	Comment Status X			0			
Does "should" here m	ean it is only a recommendation	on? Is it OK to h	ave more than one?	SuggestedRemedy change to "guideline	es"		
Also applies to 79.3.2	.7, although it is in the base do	ocument.		Proposed Response	Response Status O		
SuggestedRemedy							
Change to "shall" unle	ess there is no problem with ha	wing more than	one.				
Proposed Response	Response Status O			C/ 33A SC 33A.4	P 233	L 34	# 73
	,			Ran, Adee	Intel		
				Comment Type E	Comment Status X		
C/ 33 SC 33.8.3.1 Ran, Adee	P 191 Intel	L 14	# 70	"milliohm", here and	d in other places. Standard syml	ools should be us	ed
Comment Type TR	Comment Status X			Several occurences	S.		
21	nced subclause 33.1.3.2 does	not state a requ	irement of 3% or less	SuggestedRemedy			
	in the base document it did, bi			change to m(upper	case letter Omega)		
informative annex)				Proposed Response	Response Status O		
SuggestedRemedy				·/·····			
Revert to the base do	cument text or delete this item						
Proposed Response	Response Status 0						
-	•						

	_			<i>u</i> = .	.			D e e =		
C/ 00 SC 0		234	L 11	# 74	C/ 33B	SC 33B		P 237	L 16	# 77
Ran, Adee	Intel				Ran, Adee			Intel		
51	E Comment Status				Comment T			nt Status X		
Inconsistent us	e of italics between equatio	n and text. E	.g. R_Pair_PI	D_max	Annex 3	3D doesn't s	seem to exist.			
According to the	e style manual (12.4) quant	ity symbols	should be set	in italic letters. This	SuggestedR	Remedy				
	resistance, I for current, P	for power, et	tc. Qualifiers a	and units should be in	Add the	required det	ails here or co	njure the missing	g annex	
Roman letters.					Proposed R	esponse	Response	e Status O		
SuggestedRemedy										
Make quanitities document	s consistently italic in equat	ion and text,	, to follow style	e manual, across the	C/ 33B	SC 33B		P 237	L 22	# 78
Proposed Response	e Response Status	0			Ran, Adee	30 330		Intel	L ZZ	# 18
		U			,		0			
					Comment Ty			nt Status X ax. The sentence	n in not alaar	
CI 33A SC 33	BA.5 P :	234	L 11	# 75	Equation	11 55-14 ueili	IES K_FSE_III	ax. The sentence	e is not clear.	
Ran, Adee	Intel				The nex	t paragraph	seems to repea	at the same idea	a.	
	Intel TR Comment Status	5 X			The nex SuggestedR		seems to repea	at the same idea	1.	
Comment Type Inconsistent un	TR Comment Status its. 1,750 x RPair_PD_min		quanitifed late	r as Ohms, but	<i>SuggestedR</i> Change	Remedy				
<i>Comment Type</i> Inconsistent un RPair_PD_min	TR Comment Status		quanitifed late	r as Ohms, but	<i>SuggestedR</i> Change	Remedy				and Rload_max"
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms.	+ 0,080, all o			SuggestedR Change "the rela to "the rela	Remedy ationship betw ationship betw	ween PSE PI E ween effective	Equation (33–14)) and Rload_min	and Rload_max" tion (33–14)) and
Comment Type Inconsistent un RPair_PD_min SuggestedRemedy Change all equa	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. ations to include Ohm units	+ 0,080, all of			SuggestedR Change "the rela to "the rela	Remedy	ween PSE PI E ween effective	Equation (33–14)) and Rload_min	_
Comment Type Inconsistent un RPair_PD_min SuggestedRemedy Change all equa	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. ations to include Ohm units	+ 0,080, all of			SuggestedR Change "the rela to "the rela Rload_r	Remedy ationship betw ationship betw nin and Rloa	ween PSE PI E ween effective Id_max"	Equation (33–14) resistances at th) and Rload_min	- tion (33–14)) and
Comment Type Inconsistent un RPair_PD_min SuggestedRemedy Change all equa	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. ations to include Ohm units	+ 0,080, all of			SuggestedR Change "the rela to "the rela Rload_r	Remedy ationship bett ationship bett nin and Rloa er merging th	ween PSE PI E ween effective id_max" e first sentence	Equation (33–14) resistances at th) and Rload_min ne PSE PI (Equa	- tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units Response Status	+ 0,080, all of			SuggestedR Change "the rela to "the rela Rload_r Conside	Remedy ationship bett ationship bett nin and Rloa er merging th	ween PSE PI E ween effective id_max" e first sentence	Equation (33–14) resistances at th e of the next para) and Rload_min ne PSE PI (Equa	- tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units Response Status	for the cons	stants, remove	the Ohm subscript.	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R	Remedy ationship betw ationship betw nin and Rloa er merging th esponse	ween PSE PI E ween effective id_max" e first sentence	Equation (33–14) resistances at th e of the next para e Status O) and Rload_min ne PSE PI (Equa agraph into this c	tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response CI 33A SC 33 Ran, Adee	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units Response Status BA.5 P 1	for the cons 0 234	stants, remove	the Ohm subscript.	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R	Remedy ationship bett ationship bett nin and Rloa er merging th	ween PSE PI E ween effective id_max" e first sentence	Equation (33–14) resistances at th e of the next para e Status O P 237) and Rload_min ne PSE PI (Equa	- tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response CI 33A SC 33 Ran, Adee Comment Type	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units Response Status BA.5 P 2 Intel Intel	+ 0,080, all o for the cons 0 234 5 X	stants, remove	the Ohm subscript.	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R C/ 33B Ran, Adee	Remedy ationship betw ationship betw nin and Rloa er merging th esponse SC 33B	ween PSE PI E ween effective d_max" e first sentence <i>Response</i>	Equation (33–14) resistances at th e of the next para e Status O P 237 Intel) and Rload_min ne PSE PI (Equa agraph into this c	tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response CI 33A SC 33 Ran, Adee Comment Type It would be clea	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units <i>Response Status</i> BA.5 <i>P</i> 2 Intel <i>Comment Status</i>	for the cons O 234 5 X humbers wer	stants, remove	the Ohm subscript.	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R C/ 33B Ran, Adee Comment Ty	Remedy ationship betw nin and Rloa er merging th esponse SC 33B ype TR	ween PSE PI E ween effective d_max" e first sentence <i>Response</i>	Equation (33–14) resistances at th e of the next para e Status O P 237) and Rload_min ne PSE PI (Equa agraph into this c	tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response C/ 33A SC 33 Ran, Adee Comment Type It would be clea equation that ap	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units <i>Response Status</i> BA.5 <i>P</i> : Intel Intel E Comment Status rer if the class-dependent r	for the cons O 234 5 X humbers wer	stants, remove	the Ohm subscript.	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R C/ 33B Ran, Adee Comment Ty Normati	ationship betw ationship betw ationship scalar scalar scalar scalar ve annex, bu	ween PSE PI E ween effective d_max" e first sentence <i>Response</i>	Equation (33–14) resistances at th e of the next para e Status O P 237 Intel) and Rload_min ne PSE PI (Equa agraph into this c	tion (33–14)) and
Comment Type Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response Cl 33A SC 33 Ran, Adee Comment Type It would be clea equation that ap SuggestedRemedy	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units <i>Response Status</i> BA.5 P : Intel Intel E Comment Status rer if the class-dependent r	for the cons O 234 5 X humbers wer instead.	tants, remove	table, and the inline	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R C/ 33B Ran, Adee Comment Ty Normati SuggestedR	ationship betwationship betwationship betwationship betwationship betwationship betwation and Rloader merging the esponse SC 33B Sype TR ve annex, bucket an	ween PSE PI E ween effective d_max" e first sentence <i>Response</i> <i>Commer</i> ut no PICS?	Equation (33–14) resistances at th e of the next para e Status O P 237 Intel nt Status X) and Rload_min ne PSE PI (Equa agraph into this c	tion (33–14)) and
Inconsistent uni RPair_PD_min SuggestedRemedy Change all equa Proposed Response Cl 33A SC 33 Ran, Adee Comment Type It would be clea equation that ap SuggestedRemedy	TR Comment Status its. 1,750 x RPair_PD_min is already in Ohms. is already in Ohms. ations to include Ohm units ations to include Ohm units e Response Status Response Status BA.5 P : Intel Intel E Comment Status opears below (line 18) used beta in the equation, add a	for the cons O 234 X humbers wer i instead. table for alp	tants, remove	table, and the inline	SuggestedR Change "the rela to "the rela Rload_r Conside Proposed R C/ 33B Ran, Adee Comment Ty Normati SuggestedR	ationship betwationship betwationship betwationship betwationship betwationship betwation and Rloader merging the esponse SC 33B Sype TR ve annex, bucket an	ween PSE PI E ween effective d_max" e first sentence <i>Response</i>	Equation (33–14) resistances at th e of the next para e Status O P 237 Intel nt Status X) and Rload_min ne PSE PI (Equa agraph into this c	tion (33–14)) and

	33B.4	P 240	L 34	# 80	C/FM SC FM	P 1	L 26	# 83
Ran, Adee		Intel			Zimmerman, George	CME Consu	lting, Aqua	
Comment Type	E Cor	mment Status X			Comment Type E	Comment Status X		
		n to fit in the hierarchy		3.2, 33B.3. This text	Draft says it is for Ta	sk Force Review.		
		Should it be in the head	ding of 33B?		SuggestedRemedy			
SuggestedRemed					Change "Task Force	Review" to "Working Group F	Recirculation" (ass	suming this is on D2.1
	ing to 33B (just	,			Proposed Response	Response Status 0		
Proposed Respon	se Res _l	ponse Status O						
		D 007	1.0	# 04	C/FM SC FM	P 1	L 2	# 84
C/ 33B SC : Ran, Adee	33B	P 237 Intel	L 6	# 81	Zimmerman, George	CME Consu	lting, Aqua	
					Comment Type E	Comment Status X		
Comment Type		mment Status X		a bath 22D and 22O	Draft is on 802.3-201	5 as amended by (several	amendments, no	t clear yet)
		before the new annex	tes and can cove		SuggestedRemedy			
SuggestedRemed		and all an end to				ld "as amended by <list a<="" of="" td=""><td>mendments to be</td><td>provided by staff prior</td></list>	mendments to be	provided by staff prior
	nnex heading a s 33B and 33C	0			to publication>".			
					Proposed Response	Response Status O		
· · ·	or P802.3bs D2	• /						
Proposed Respon	se Res _l	ponse Status O			C/ FM SC FM	P 3	L 38	# 85
					Zimmerman, George	CME Consu	lting, Aqua	
CI 25 SC 2	25.4.5	P 23	L 11	# 82	Comment Type E	Comment Status X		
Zimmerman, Geor	ge	CME Consult	ing, Aqua		Base standard is IEE	E Std 802.3-2015, draft says	"201x"	
Comment Type	E Cor	mment Status X			SuggestedRemedy			
Text in 25.4.5	should be paral	llel to text in 25.4.7, 25	5.4.5 enumerates	the types, while	Change -201x to -20	15		
25.4.7 simply	calls out "or gre	eater".			Proposed Response	Response Status O		
SuggestedRemed	Y				, ,	•		
Replace addit	ons of ", Type 3	3, and Type 4" with "or	greater" (4 insta	nces in paragraph).				
	se Resi	ponse Status O						

C/FM SC FM	P 4	L 20	# 86	C/ 1	SC 1.4.254	P 20	L 20	# 89
Zimmerman, George	CME Consult	ng, Aqua		Zimmern	nan, George	CME Consu	ulting, Aqua	
Comment Type E	Comment Status X			Commen	t Type T	Comment Status X		
	to IEEE Std 802.3-2015, additio re missing (by, bq, bp, br, bn, b			(an e	endpoint and a mid	leals with cases of more that dspan - hence there is back	off). Therefore the	ere can actually be
SuggestedRemedy						ction per link segment, and	it should be betwe	en a PSE and PD
	cription, add in descriptions of k r a good start, consult with IEEE			00	edRemedy nge "the" to "a"			
publication		. 002.3 leadersh			0			
Proposed Response	Response Status 0			Proposed	d Response	Response Status O		
				C/ 1	SC 1.4.381a	P 20	L 26	# 90
C/FM SC FM	P 19	L 44	# 87	Zimmern	nan, George	CME Consu	ulting, Aqua	
immerman, George	CME Consult	ng, Aqua		Commen	t Type TR	Comment Status X		
Bk and bj are long g	dments are likely to be in parallone.	el that you may l	be concerned about.	it is r need	never connected to Is to say "simulate	ignature resistance and sw o the same pairset, is it still meously shares".		
SuggestedRemedy See comment				••	edRemedy comment.			
Proposed Response	Response Status O			Proposed	d Response	Response Status O		
C/ 1 SC 1.3	P 20	L 8	# 88	C/ 1	SC 1.4.418b	P 20	L 40	# 91
immerman, George	CME Consult	ng, Aqua		Zimmern	nan, George	CME Consu	ulting, Aqua	
Comment Type TR	Comment Status X			Commen	t Type TR	Comment Status X		
requirements for Cla within and between understanding the c SuggestedRemedy	v contains information necessary ause 33, including not only ambi pairsets. As such it is no longe abling requirements for the doct	ent temperature bibliographical, ument and shoul	but DC unbalance both but essential in ld be normative	(for ⊺ defin no id Clas	Type 3), and in 1.4 itions for Type 3 a lentifiable maximu s 6 Type 3 PSEs i	PSE Type is circular. Power 4.418d (Type 4) should refer and Type 4 PDs. However, im class supported (there a in Table 33-2), so the descr suitable for the definition.	r to Class power le it appears that for re up to Class 3, u	evels as in the Type 3 PSEs there is p to Class 4 and up to
	A TSB-184-A to the normative re es in document (e.g., page 44 l		elete the editor's note,		edRemedy			
Proposed Response	Response Status 0			Dele	te "up to Type 3 p	ower levels", and in 1.4.418	3d, delete "up to "T	ype 4 power levels"
				_				

Proposed Response Response Status **0**

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 30 SC 3	30.2.5	P 24	L 8	# 92	C/ 33	SC 33.1.	2	P 43	L 17	# 95
Zimmerman, Geor	ge	CME Consul	ting, Aqua		Zimmerm	ian, George		CME Consul	ting, Aqua	
Comment Type	E Comm	nent Status X			Comment	t Type E	Comme	nt Status X		
				ble. This is complicated y get underlines either.		should be par thernet"	allel to Figure 3	3-2 (and the rest	of 802.3), CSMA	/CD has been replace
SuggestedRemed	y				Suggeste	dRemedy				
				locations of the insert.	Chan	ge "CSMA/CI	D" to "Ethernet"			
		her it is clearer to I rted rows while del		s in or how to designate ged rows.	Proposed	l Response	Respons	e Status O		
Proposed Respon	se Respoi	nse Status O								
					C/ 33	SC 33.1.	3	P 43	L 50	# 96
C/1 SC 1	1.4.418c	P 20	L 45	# 93	Zimmerm	ian, George		CME Consul	ting, Aqua	
Zimmerman, Geor		CME Consul		π 95	Comment	t Type TR	Comme	nt Status X		
Comment Type	0	nent Status X	5, 1							t Current per pair" as
										appears that Icable is
				37). Most usages of						nt per pair (see, e.g.,
		the definitions not		ver, some are not, and			laces it is uncle	ar (e.g., Table 3	3-17, where it is p	art of a technical
	-		i capitalizeu.		•	rement)				
SuggestedRemed	•				Suggeste	edRemedy				
			nd 1.4.418c and	scrub the text to make						aximum current" in th
	bughout in the draf	π.								ource current", and
Proposed Respon	se Respoi	nse Status O			lines	51 and 54, cr	ange "(+icable)	and (-ICable) to	o "positive current the maximum cu	and negative
										e an Icable_max, and
					repla	ce Icable with	it. It is unclear	which usage the	e most important o	one takes - Table 33-1
C/ 33 SC 3	33.1	P 41	L 12	# 94		l Response		e Status O	•	
immerman, Geor	ge	CME Consul	ting, Aqua				ricopone			
Comment Type	TR Comm	nent Status X								
Phys defined i	n Clause 126 (802	2.3bz, which will pre	ecede this amend	lment) are also defined	C/ 33	SC 33.2.	2	P 46	L 13	# 97
in this clause	These PHYs are o	called out on line 1	8 as well, but not	in the clause list.	Zimmerm	an, George		CME Consul	ting, Aqua	
SuggestedRemed	у				Comment	t Type ER	Comme	nt Status X		
Change "and (Clause 55" to "Cla	use 55, and Clause	e 126"			51			ewhere is just to li	st the higher speeds.
Proposed Respon	se Pospo	nse Status O								which would make it
Toposed Nespon	se respoi				the sa	ame as the 2.	5G or 5G Midsp	ans. It is also in		3.4.9.1 which collapse
					this to	o just "10GBA	SE-T" midspan	S		
					Suggeste	dRemedy				
					Delet	e "2.5G, 5G,	or " so that it rea	ads "10GBASE-T	۲ Midspan PSE".	
					Proposed	l Response	Respons	e Status O		
						,				

C/ 33 SC 33.5.1.	.2 P 175	L 32	# 98	CI 33	SC 33.2.5.2	P	55	L 15	# 101
Zimmerman, George	CME Consul	ting, Aqua		Zimmerman,	George	CME	Consulting,	Aqua	
Comment Type TR	Comment Status X			Comment Ty	rpe E	Comment Status	Х		
Need to specify new	classes (5-8 and Autoclass) ir	n PD class bits.							ernal. Not really sure
SuggestedRemedy						Same issue exists in 7) and 33.3.3.13 (P13			0 (P73), 33.3.3.4
	alid Class or Type 4 PD, Chang ence of 33.5.1.2.10 to read "Th			SuggestedRe	emedy	, , ,	,		
	s was read, or the PD is a Typ			Make 21	.5, and 14.2.3	.2 external cross refe	erences		
been determined (se status register in cla P802.3bu-201x, to i	ee 45.2.7b.4)." Add Clause 45 use 45 space at 45.2.7b.4, afte include 2 bits (0:1) for 00 = PD utoclass, and the rest reserved	nto the draft, and er 45.2.7b.3, as in Class 1-6, 01 = 1	d allocate a new PSE nserted by IEEE	Proposed Re	esponse	Response Status	0		
Proposed Response	Response Status O			CI 33	SC 33.2.5.3	P	55	L 40	# 102
-Toposed Response				Zimmerman,	George	CME	Consulting,	Aqua	
				Comment Ty	rpe T	Comment Status	х		
CI 33 SC 33.2.5.		L 30	# 99						Type 2 PSEs. It isn't
Zimmormon Coorgo									
zimmerman, George	CME Consul	ting, Aqua							
Comment Type E	Comment Status X		2000	PSE stat Alternativ	te diagrams" vely, you can o	', it should read "The delete the one line of	Type 1 and explanatory	Type 2 PSE	, rather than read "The state diagrams". nat 33.2.5.8 reads "The
Comment Type E pd_4pair_cand not c			nces	PSE stat Alternativ Type 3 a	te diagrams" vely, you can o ind Type 4 PS	', it should read "The	Type 1 and explanatory	Type 2 PSE	state diagrams".
Comment Type E pd_4pair_cand not c SuggestedRemedy	Comment Status X capitalized as in state diagram		nces	PSE stat Alternativ Type 3 a SuggestedRe	te diagrams" vely, you can o ind Type 4 PS emedy	', it should read "The delete the one line of E state diagrams")	Type 1 and explanatory	Type 2 PSE text. (note th	state diagrams". nat 33.2.5.8 reads "The
Comment Type E pd_4pair_cand not c SuggestedRemedy Change pd_4pair_ca	Comment Status X capitalized as in state diagram and to PD_4pair_cand		nces	PSE stat Alternativ Type 3 a <i>SuggestedR</i> e Delete th	te diagrams" vely, you can o ind Type 4 PS <i>emedy</i> ne one line of e	', it should read "The delete the one line of E state diagrams")	Type 1 and explanatory 5.2.5.3, 33.2.5	Type 2 PSE text. (note th 5.4 and 33.2	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE
SuggestedRemedy	Comment Status X capitalized as in state diagram		nces	PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7,	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an	", it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim	Type 1 and explanatory 5.2.5.3, 33.2.5	Type 2 PSE text. (note th 5.4 and 33.2	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE
Comment Type E pd_4pair_cand not c SuggestedRemedy Change pd_4pair_ca	Comment Status X capitalized as in state diagram and to PD_4pair_cand		nces	PSE stat Alternativ Type 3 a <i>SuggestedRe</i> Delete th State dia	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an	", it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim	Type 1 and explanatory 5.2.5.3, 33.2.5 ilar), same f	Type 2 PSE text. (note th 5.4 and 33.2	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE
Comment Type E pd_4pair_cand not c SuggestedRemedy Change pd_4pair_ca Proposed Response	Comment Status X capitalized as in state diagram and to PD_4pair_cand Response Status 0 7. P 94	and other referer	nces # [<u>100</u>	PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7,	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim id 33.3.3.12	Type 1 and explanatory 5.2.5.3, 33.2.5 ilar), same f	Type 2 PSE text. (note th 5.4 and 33.2	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE
Comment Type E pd_4pair_cand not c SuggestedRemedy Change pd_4pair_ca Proposed Response Cl 33 SC 33.2.6.	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> O	and other referer		PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7,	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim id 33.3.3.12	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same f 0	Type 2 PSE text. (note th 5.4 and 33.2	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE
Comment Type E pd_4pair_cand not of SuggestedRemedy Change pd_4pair_ca Proposed Response C/ 33 SC 33.2.6. Zimmerman, George Comment Type E	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> O 7 P 94 CME Consul <i>Comment Status</i> X	and other referer		PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7, Proposed Re	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the 33.3.3.11, an esponse SC 33.2.5.9	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim d 33.3.3.12 Response Status	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same f 0	Type 2 PSE text. (note th 5.4 and 33.2 or 33.3.3.2, 3 <i>L</i> 49	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE 33.3.3.3, 33.3.3.6,
Comment Type E pd_4pair_cand not of SuggestedRemedy Change pd_4pair_ca Proposed Response Cl 33 SC 33.2.6. Zimmerman, George	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> O 7 P 94 CME Consul <i>Comment Status</i> X	and other referer		PSE stat Alternativ Type 3 a SuggestedRa Delete th State dia 33.3.3.7, Proposed Re C/ 33	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an esponse SC 33.2.5.9 George	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim d 33.3.3.12 Response Status	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same f 0 72 Consulting,	Type 2 PSE text. (note th 5.4 and 33.2 or 33.3.3.2, 3 <i>L</i> 49	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE 33.3.3.3, 33.3.3.6,
Comment Type E pd_4pair_cand not of SuggestedRemedy Change pd_4pair_ca Proposed Response Cl 33 SC 33.2.6. Zimmerman, George Comment Type E 33.2.6.1 not an activ SuggestedRemedy	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> 0 .7 <i>P</i> 94 CME Consul <i>Comment Status</i> X re cross references	and other referer		PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7, Proposed Re C/ 33 Zimmerman, Comment Ty Class ev	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an asponse SC 33.2.5.9 George ype E rents is capital	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim id 33.3.3.12 <i>Response Status</i> <i>P T</i> <i>CME</i> <i>Comment Status</i> ized inconsistently -	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same fr 0 72 Consulting, X all other insta	Type 2 PSE text. (note th 5.4 and 33.2 for 33.3.3.2, f <i>L</i> 49 Aqua ances where	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE 33.3.3.3, 33.3.3.6, # 103 it is used (except start
Comment Type E pd_4pair_cand not of SuggestedRemedy Change pd_4pair_ca Proposed Response Cl 33 SC 33.2.6. Zimmerman, George Comment Type E 33.2.6.1 not an activ SuggestedRemedy make 33.2.6.1 an a	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> O 7 P94 CME Consul <i>Comment Status</i> X re cross references ctive cross reference	and other referer		PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7, Proposed Re C/ 33 Zimmerman, Comment Ty Class ev	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an asponse SC 33.2.5.9 George ype E rents is capitalince) it is lower	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim id 33.3.3.12 <i>Response Status</i> <i>P T</i> <i>CME</i> <i>Comment Status</i> ized inconsistently -	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same fr 0 72 Consulting, X all other insta	Type 2 PSE text. (note th 5.4 and 33.2 for 33.3.3.2, f <i>L</i> 49 Aqua ances where	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE 33.3.3.3, 33.3.3.6, # 103
Comment Type E pd_4pair_cand not of SuggestedRemedy Change pd_4pair_ca Proposed Response Cl 33 SC 33.2.6. Zimmerman, George Comment Type E 33.2.6.1 not an activ SuggestedRemedy make 33.2.6.1 an a	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> 0 .7 <i>P</i> 94 CME Consul <i>Comment Status</i> X re cross references	and other referer		PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7, Proposed Re C/ 33 Zimmerman, Comment Ty Class ev of senter	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an esponse SC 33.2.5.9 George vpe E ents is capital nce) it is lower er case)	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim id 33.3.3.12 <i>Response Status</i> <i>P T</i> <i>CME</i> <i>Comment Status</i> ized inconsistently -	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same fr 0 72 Consulting, X all other insta	Type 2 PSE text. (note th 5.4 and 33.2 for 33.3.3.2, f <i>L</i> 49 Aqua ances where	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE 33.3.3.3, 33.3.3.6, # 103 it is used (except start
Comment Type E pd_4pair_cand not of SuggestedRemedy Change pd_4pair_ca Proposed Response Cl 33 SC 33.2.6. Zimmerman, George Comment Type E 33.2.6.1 not an activ SuggestedRemedy	Comment Status X capitalized as in state diagram and to PD_4pair_cand <i>Response Status</i> O 7 P94 CME Consul <i>Comment Status</i> X re cross references ctive cross reference	and other referer		PSE stat Alternativ Type 3 a SuggestedRe Delete th State dia 33.3.3.7, Proposed Re Cl 33 Zimmerman, Comment Ty Class ev of senter also lowe SuggestedRe	te diagrams" vely, you can o ind Type 4 PS emedy ne one line of e agrams use the , 33.3.3.11, an asponse SC 33.2.5.9 George vpe E rents is capital nce) it is lower er case) emedy	', it should read "The delete the one line of E state diagrams") explanatory text in 33 e following" (or sim id 33.3.3.12 <i>Response Status</i> <i>P T</i> <i>CME</i> <i>Comment Status</i> ized inconsistently -	Type 1 and explanatory 3.2.5.3, 33.2.4 ilar), same f 0 72 Consulting, X all other insta DT of these, a	Type 2 PSE text. (note th 5.4 and 33.2 or 33.3.3.2, f <i>L</i> 49 Aqua ances where and the para	state diagrams". hat 33.2.5.8 reads "The .5.8 stating "The PSE 33.3.3.3, 33.3.3.6, # 103 it is used (except start

CI 33A SC 33A P 233 L 8 # 104	Cl 33 SC 33.2.8.1 P 105 L 37 # 107
Zimmerman, George CME Consulting, Aqua	Zimmerman, George CME Consulting, Aqua
Comment Type E Comment Status X	Comment Type T Comment Status X
Edtitor's note should have been removed, annex is in the right place in the frame book. SuggestedRemedy	"of the voltage difference at the PI" - specify the difference of what to what? The PI has 8 pins.
Delete editor's note	SuggestedRemedy
Proposed Response Response Status O	Change "of the voltage difference at the PI" to "of the voltage difference between VPSE+ and VPSE- of the given pairset."
	Proposed Response Response Status O
C/ 33 SC 33.2.7.3 P 101 L 39 # 105 Zimmerman, George CME Consulting, Agua	· I
	C/ 33 SC 33.2.5.12 P 80 L 18 # 108
Comment Type ER Comment Status X	Zimmerman, George CME Consulting, Aqua
Equation 33-4 constants (e.g., "+0,0014") appear to use european notation (commas for decimal point) According to IEEE Style Manual (12.2) decimal point should be used. This	Comment Type TR Comment Status X
Tables 33-32 and 33-33 SuggestedRemedy Put constants into decimal point notation, throughout draft, using the dot rather than	<pre>(CC_DET_SEQ = 1) * (sig_pri = valid) (det_temp = only_one) *" (note missing "*" after (sig_pri = valid) and extra "*" at end). SuggestedRemedy</pre>
commas. Proposed Response Response Status O	Change to "(mr_pse_alterantive = both) * (CC_DET_SEQ = 1) * (sig_pri = valid) * (det_temp = only_one) "
	Proposed Response Response Status O
C/ 33 SC 33.2.8.1 P 105 L 26 # 106 Zimmerman, George CME Consulting, Aqua	
Comment Type TR Comment Status X	C/ 33 SC 33.2.5.12 P 80 L 18 # 109
"The specification for VPort_PSE-2P in Table 33–17 shall be met with a (IHold max ×	Zimmerman, George CME Consulting, Aqua
VPort_PSE-2P min) to the maximum power per the PSE's assigned Class load step at a rate of change of at least 15	Comment Type E Comment Status X typo on branch to A1 "mr_pse_alterantive = both"
mA/us." is unclear - is there a load step specified somewhere? or is it "to the maximum	SuggestedRemedy
power per the PSE's assigned Class under load changes at rates of up to 15mA/us" ? Even so, since this is VPort_PSE-2P, isn't this the maximum power PER PAIRSET?	change "mr_pse_alterantive" to "mr_pse_alternative"
Suggested Remedy	Proposed Response Response Status O
Clarify text, per comment.	
Proposed Response Response Status O	

C/ 33 SC 33.2.6	P 90	L 29	# 110	C/ 33A SC 33A.3	P 233	L 16	# 113
Zimmerman, George	CME Consulti	ing, Aqua		Hajduczenia, Marek	Charter Com	municatio	
Comment Type T	Comment Status X			Comment Type TR	Comment Status X		
	E detecting an invalid PD sig			The term "Types" is	not defined		
	e other alternative, and if val stent with page 80 33.2.5.12			SuggestedRemedy			
Looking at the machine alternative is valid, class	on this, at the top level, it se sification SHALL BE perform	eems that in this ned – it isn't an o	case, if the second ption.	Please consider spe types or something a	cyfing what the particular mea altogether different	ning of "Types" is	indended - PSE-D
sig_sec is valid, while th Looking at figure 33-15,	page 80, it seems the only	path where mr_p	ose_alternative = both ,	Proposed Response	Response Status O		
	is valid, and det_temp = bot text is the desired behavior,			C/ 33A SC 33A.3	P 233	L 14	# 114
altered to be consistent.		,g		Hajduczenia, Marek	Charter Com	municatio	
SuggestedRemedy				Comment Type E	Comment Status X		
	y perform" to "and if valid sh			••	se numbering is off by 2		
	at leads from DETECT_EVA classification is optional.	AL to A1 to show	under what	SuggestedRemedy			
Proposed Response	Response Status O			,	A.1 and propagate through Ani	nex 33A	
				Proposed Response	Response Status O		
C/ FM SC FM	P 4	L 19	# 111				
Hajduczenia, Marek	Charter Comr	municatio		C/ 33A SC 33A.3	P 233	L 22	# 115
Comment Type E	Comment Status X			Hajduczenia, Marek	Charter Com	municatio	
List of amendments is N	IOT complete - we are now	up to 9 amendm	ents	Comment Type E	Comment Status X		
SuggestedRemedy				% sign seems to be	much too small and placed inc	orrectly	
Please update front mat	ter to use the latest list of av	vailable / publish	ed amendments	SuggestedRemedy			
Proposed Response	Response Status O				d in the middle of the equation applies to all equations in Ann		
				Proposed Response	Response Status 0		
C/ 33A SC 33A	P 233	L 8	# 112				
Hajduczenia, Marek	Charter Comr	municatio					
Comment Type E Editorial note to be remy	Comment Status X						
SuggestedRemedy Per comment							

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 33A SC 33A.4 P 233 L 50 # 116 Hajduczenia, Marek Charter Communicatio	C/ 33B SC 33B.1 P 237 L 16 # 119 Hajduczenia, Marek Charter Communicatio
Comment Type E Comment Status X Text alignement in lines 50-51 is not correct	Comment Type TR Comment Status X "can be found in Annex 33D" - said Annex does not exist
SuggestedRemedy Please make sure text in lines 50/51 has the same left alignment as text in line 42	SuggestedRemedy Either add the missing Annex or revise the text to eliminate reference to non-existing Annex
Proposed Response Response Status O	Proposed Response Response Status O
C/ 33A SC 33A.5 P 234 L 17 # 117 Hajduczenia, Marek Charter Communicatio	C/ 33B SC 33B.4 P 240 L 38 # 120 Hajduczenia, Marek Charter Communicatio
Comment Type ER Comment Status X Incorrect use of "will" in "stringent requirement will be needed"	Comment Type E Comment Status X There are plenty of "shall" statements in 33B, but no PICS for compliance statement
SuggestedRemedy Change to "stringent requirement is needed" Please review the use of key words in the whole draft, includign "will", "must", etc see Style Manual	SuggestedRemedy Consider adding PICS to cover individual mandatory requirements included in Annex 33B Proposed Response Response Status O
Proposed Response Response Status O	
Proposed Response Response Status O	Cl 33C SC 33C.1.1 P 242 L 1 # 121
Cl 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio	CI 33C SC 33C.1.1 P 242 L 1 # 121 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Sentence in lines 1 and 2 is broken in the middle
Cl 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X No subclause numbers K	Hajduczenia, MarekCharter CommunicatioComment TypeEComment StatusX
Cl 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X No subclause numbers	Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Sentence in lines 1 and 2 is broken in the middle SuggestedRemedy
Cl 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X No subclause numbers SuggestedRemedy Please add subclause numbers in Annex 33B	Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Sentence in lines 1 and 2 is broken in the middle SuggestedRemedy Make sure that the sentence is NOT broken in the middle.
Cl 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X No subclause numbers SuggestedRemedy Please add subclause numbers in Annex 33B	Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Sentence in lines 1 and 2 is broken in the middle SuggestedRemedy Make sure that the sentence is NOT broken in the middle. Proposed Response Response Status O Cl 33C SC 33C.1.1 P 242 L 45 # 122
Cl 33B SC 33B.1 P 237 L 8 # 118 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X No subclause numbers SuggestedRemedy Please add subclause numbers in Annex 33B	Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Sentence in lines 1 and 2 is broken in the middle SuggestedRemedy Make sure that the sentence is NOT broken in the middle. Proposed Response Response Status O Cl 33C SC 33C.1.1 P 242 L 45 # 122 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Consider adding forced line break in caption of Figure 33C-5/6/8/9 after the word "dual" to SC SC "Later the series"

presented, including Table 79-1, Table 79-4, etc. The unchanged text should be removed SuggestedRemedy Per comment. Remove all unchanged text and subclauses from Clause 79 and leave only changed text / tables / content with appropriate editorial comments for such changes Proposed Response Response Status O Cl 79 SC 79.3.2.6a P 215 L 6 # 125 Hajduczenia, Marek Charter Communicatio Cl 1 SC 1.4.418d P 20 L 47 # 128 Hi Table 79-6a is a new table, there is no need to use any underline in the table to indicate inserted text SuggestedRemedy Comment Type E Comment Status X For consistency with the base standard, "and 4-pair power. (See IEEE 802.3, Clause 33).", i.e., have "." SuggestedRemedy Remove all underline from Table 79-6a. The same applies for Table 79-6b Proposed Response Response Status O Proposed Response Response Status O Cl 1 sc 1.4.418d P 20 L 47 # 128 Guide 79-6a. The same applies for Table 79-6b For consistency with the base standard, "and 4-pair power. (See IEEE 802.3, Clause 33).", i.e., have "." end of the sentence, and then statt with "S' in the brackets. The same change to be applied in 1.4.418a/b/c/d and in 1.4.418a/b/c/d and in 1.4.415a and in 1.4.425 and 1.4.426. SuggestedRemedy per comment. Note that the base text is not consistent in itself		
Avoid the use of relative figure references: "The following sample timing diagram" SuggestedRemedy Change to "Figure 33C-15" - make sure the link is live Proposed Response Response Status O Cl 79 SC 79 P 206 L 1 # 124 Hajduczenia, Marek Charter Communicatio # 124 Comment Type ER Comment Status X Charter Communicatio Cl 79 SC 79.1, Table 79.4, 1c. The unchanged text should be reserved, including Table 79.1, Table 79.4, etc. The unchanged text should be removed Comment Type ER Comment Status X Cl 79 SC 79.3, 2.6a P 215 L 6 # 125 Cl 1 SC 14.418d P 20 L 47 # 126 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Charter Communicatio SuggestedRemedy Per comment. Remove all unchanged text and subclauses from Clause 79 and leave only changes text should be removed SuggestedRemedy SuggestedRemedy Proposed Response Response Status O O Cl 1 SC 14.418d P 20 L 47 # 126 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Type		
Change to "Figure 33C-15" - make sure the link is live Proposed Response Response Status O Cl 79 SC 79 P 208 L 1 # 124 Hajduczenia, Marek Charter Communicatio Cl 79 SC 79.5.2.1 P 228 L 15 # 127 Hajduczenia, Marek Charter Communicatio Cl 79 SC 79.5.2.1 P 228 L 15 # 127 Cl rowment Type ER Comment Status X Charter Communicatio Comment Status X Charges to 79.5.2.1 P 228 L 15 # 127 Cl rowment Type ER Comment Status X Charter Communicatio Comment Status X Charges to 79.5.2.1 are not really marked in any way at this time - it is not clear what added / deleted. SuggestedRemedy Per comment. Remove all unchanged text and subclauses from Clause 79 and leave only changes for Table 79.5 (PICS for Clause 79) to show only changes (additions / deletions not show all PICS for Clause 79 with unmarked changes Proposed Response Response Status 0 Cl rowment Type E Comment Status X Cl rowment Status X For consistency with the base standard, "and 4-pair power. (see IEEE 802.3, Clause should be written as "and 4-pair power. (see IEEE 802.3,		
Cl 79 SC 79 P 208 L 1 # 124 Hajduczenia, Marek Charter Communicatio Cl 79 SC 79.5.2.1 P 228 L 15 # 127 Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X Charter Communicatio Clause 79 already exists in 802.3-2015 and only modified (edited) portions should be presented, including Table 79-1, Table 79-4, etc. The unchanged text should be removed Cl 79 SC 79.5.2.1 are not really marked in any way at this time - it is not clear what added / deleted. SuggestedRemedy Per comment. Remove all unchanged text and subclauses from Clause 79 and leave only changed text / tables / content with appropriate editorial comments for such changes Proposed Response Response Status O Cl 79 SC 79.3.2.6a P 215 L 6 # 125 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X Proposed Response Response Status O Cl 79 SC 79.3.2.6a P 215 L 6 # 125 Cl 1 SC 1.4.418d P 20 L 47 # 128 Hajduczenia, Marek Charter Communicatio Comment Type E Comment Status X SuggestedRemedy SuggestedRemedy Renove all underline from Table 79-6a. The s		
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Cl 25 SC 25.4.5 P 23 L 10 # 130 Haiduczenia, Marek Charter Communicatio # 130	Status O	
Hajduczenia, Marek Charter Communicatio Comment Type ER Comment Status X Cl 00 SC 0	P 1 L 24 # 13	33
	RMG Consulting	
updated Comment Type E Comment St	Status X	
SuggestedRemedy No longer in TF review		
Please update PICS to match newly modified text SuggestedRemedy		
Proposed Response Response Status O Update to WG recirculation ballot for n	next draft	
Proposed Response Response St	Status O	
C/ 30 SC 30.9 P 27 L 1 # 131		
Hajduczenia, Marek Charter Communicatio		
Comment Type ER Comment Status X		
Subclause 30.9 contaisn right now a mix of existing and modified text. Existing unmodified text should not be part of the amendment and ought to be removed		
SuggestedRemedy		
Please scrub 30.9 and 30.10 and 30.12 and retain only text (subclauses) that need to be modified (e.g., 30.9.1.1.4) but remove any subclauses that have not been modified under this project.		
There is a *lot* of text in these subclauses which are not needed there There is also no indication (editorial instructions) as to what text is being added (which subclauses are new)		
Proposed Response Response Status O		

C/ 00 SC 0 P 4 L 19 # 134 Grow, Robert RMG Consulting	CI 00 SC 0 P 19 L 44 # 135 Grow, Robert RMG Consulting
Comment Type ER Comment Status X	Comment Type ER Comment Status X
Obsolete front matter document list.	This editorial note has not been updated for this draft (P802.3bj and P802.3bk are not running in parallel).
You also need to help the reader know what you are considering the base document to be. That is done here and/or with the WG template, in the Editor's note at the bottom of page 19.	SuggestedRemedy Either delete (if information provided in front matter document list), or update to reflect the projects and drafts considered in creating this draft.
If the Maintenance TF comes up with a plan for a 2017 revision, then the current undated revision of 802.3 on p.3, I. 38 is correct, but that contradicts the title page indicating this will be an amendment to 802.3-2015.	Proposed Response Response Status O
With amendment completions scheduled for 3/17, 7/17, and 10/17 and 802.3bt scheduled for 1/18, the revision might follow 802.3bt. So if 802.3bt is an amendment to 802.3-2015, for 1/18, the revision might follow 802.3bt. So if 802.8bt is an amendment to 802.3-2015, for 1/18, the revision might follow 802.3bt.	C/ 1 SC 1.4.381a P 20 L 26 # 136 Grow, Robert RMG Consulting
based on timelines it will be Amendment 13. For base text, you need to assume it will be a double digit amendment anyway, (the base text of a revision draft will be the same as what you would get being amendment 13). What does potentially differ between an amendment to the next revision probably using a draft as the base for your modifications)	Comment Type ER Comment Status X Correct subclause number and instruction, insert is alphanumerically after 802.3bp 1.4.381a single twisted-pair copper cable.
and being amendment 13 is the numbering of subclauses, figures and tables changes from 802.3-2015.	SuggestedRemedy
SuggestedRemedy Assure you are using the latest front matter text when creating the next draft.	Change number to 1.4.381b update editing instruction to reference IEEE Std 802.3bp-2010 (or 20xx if draft is produced prior to 22 Sep or P802.3bp is not approved by the SASB on that date).
Update the document list to eliminate 802.3bk.	Proposed Response Response Status O
Make base standard year consistent (either 2015 or 201x), though I suggest writing as an amendment to 802.3-2015. The front matter of P802.3bv/D3.0 has the latest information available as of July 2016. It also though is very likely Corrigendum 1 will be approved before P802.3bt and could also be added to the P802.3bv list. You may choose to not	Cl 1 SC 1.4.415 P 20 L 31 # 137 Grow, Robert RMG Consulting
worry about which amendments follow 802.3bv but preceed 802.3bt at this time, but you need to clearly indicate what the assumptions are for how you wrote the draft (what other	Comment Type ER Comment Status X P802.3bu/D3.1 has all edits shown here, and more.
amendments/corrigenga were considered).	SuggestedRemedy
Proposed Response Response Status O	Delete the change to 1.4.415

C/ 1 SC 1.4.418a Grow, Robert	RMG Consultir	L 34	# 138	C/ 33 Grow, Rob	SC 33.1.3.		P 44 /IG Consulti	L 27 ing	# 141
Comment Type ER	Comment Status X ates numbers in P802.3bu.	5		<i>Comment</i> I find i placet	<i>Type</i> ER t inconsistent t holder for Anne	Comment Stat	us X or 1.3 is incl indicates a	uded in the docu plan to either ins	ument, yet there is no sert a biblography entry
	e numbers and editing instruction 8 "Type 2 PSE" (before insert of <i>Response Status</i> O			Suggested Add A insert.	Remedy nnex A change	es to the draft indica e reference, assure	ting in an ed	ditor's note the ir	
C/ 30 SC 30.9 Grow, Robert	P 27 RMG Consultir	L 1	# [139	Proposed	Response	Response Stat	us O		
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	te explaining that all of the PoE viewer, and should be removed n. <i>Response Status</i> O			P802. appro <i>Suggested</i> Updat	3bz draft, and i val status of P8 <i>IRemedy</i> e specifications 3bz is approve	s if required, remove d by the SASB.	roduced aft	er 22 Septembe	
C/ 33 SC 33.1.3.1 Grow, Robert	P 44 RMG Consultir	L 27 ng	# 140	Fioposed	Response	Response Stat	us U		
Grow, Robert RMG Consulting Comment Type ER Comment Status X The note is somewhat vague but indicates the possibility that publication publication editors might do an update to a normative reverence. SuggestedRemedy Change note to indicate update reference prior to final Sponsor ballot recirculation, and indicate if that action is conditional on approval or TSB-184-A. Proposed Response Response Status O				draft fi from V Suggested Unfort recircu	Type TR ditor's note hig rom progressin VG members, ' dRemedy unately, I don't ulation. All that	RN Comment Stat hlights a technical ir ig to WG ballot. Wh this should have bea think I have a solut t occurs to me is to o	ncompletene ile it is adm en done pric on for you, deprecate th	ess that should l irable to highligh or to ballot. but you need or ne use of Clause	# 143
						nd bits in the Clause			

CI 79 SC 79.1	P 207	L 4	# 144	C/ 33 SC 33.1.3	P 43	L 50	# 147
Grow, Robert	RMG Consultin	ng		Maguire, Valerie	Siemon		
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	ote explaining that unchanged C			Replace "multi-twiste	d pair cable" with "balanced tw	visted-pair cable"	
convienence of the republication preparation	eviewer, and should be removed on.	d by the publica	ation editor during	Proposed Response	Response Status 0		
Proposed Response	Response Status 0						
C/ 33A SC 33A	P 233	L 8	# 145	<i>Cl</i> 33 <i>SC</i> 33.4.9 .1 Maguire, Valerie	1.4 <i>P</i> 170 Siemon	L 17	# 148
Grow, Robert	RMG Consultir	-	<i>"</i> [145	Comment Type E	Comment Status X		
,		.9			erence ("/EIA" is not part of th	o titlo)	
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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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

CI 33A SC 33A	P 233	L 8	# 150	C/ 30 SC 30.9.1	P 27	L 4	# 153
_aubach, Mark	Broadcom Lir	nited		Laubach, Mark	Broadcom Li	mited	
Comment Type E	Comment Status X			Comment Type E	Comment Status X		
Editor's note is not in p going to Working Grou	proper format and looks like it up ballot.	should have be	en removed prior to		ear to be missing pertaining text? Add editor instruction		h 46. Is this
SuggestedRemedy				SuggestedRemedy			
Remove the editor's ne	ote.			As per comment.			
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 1 SC 1.3	P 20 Broadcom Lir	L 3 nited	# 151	C/ 30 SC 30.9.1.1.5 Laubach, Mark	5 P 28 Broadcom Li	L 17 mited	# 154
Comment Type E Remote editor's note a SuggestedRemedy	Comment Status X and subclause 1.3. Not neede	ed if there is not	content under 1.3.	so not sure what the inf	Comment Status X apparent for this subclause. tent is here. Detected one di tructions and mark what is b	ifference betwee	n the texts. So, add
As per comment.						0	
Proposed Response	Response Status O	L 15	# 152	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c	is a repeating problem. Cla ated text for what is being ch ed to be this draft. Only the f changed subclauses, the su dded/changed text for the sp	ause 30 of .3bt sl nanged in Clause first subclause he bclause header o	hould only contain the e 30, if nothing is being eaders for each level
Proposed Response	, -		# 152	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c instructions, and the ac	is a repeating problem. Cla ated text for what is being ch ed to be this draft. Only the f changed subclauses, the su	ause 30 of .3bt sl nanged in Clause first subclause he bclause header o	hould only contain the e 30, if nothing is being eaders for each level
Proposed Response Cl 25 SC 25.4.5 Laubach, Mark	P 23		# 152	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c	is a repeating problem. Cla ated text for what is being ch ed to be this draft. Only the f changed subclauses, the su	ause 30 of .3bt sl nanged in Clause first subclause he bclause header o	hould only contain the e 30, if nothing is being eaders for each level
Proposed Response Cl 25 SC 25.4.5 Laubach, Mark	P 23 Broadcom Lir Comment Status X		# 152	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c instructions, and the ac SuggestedRemedy	is a repeating problem. Cla ated text for what is being ch ed to be this draft. Only the f changed subclauses, the su	ause 30 of .3bt sl nanged in Clause first subclause he bclause header o	hould only contain the e 30, if nothing is being eaders for each level
Proposed Response Cl 25 SC 25.4.5 Laubach, Mark Comment Type E Cross reference for "2	P 23 Broadcom Lir Comment Status X		# <u>152</u>	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/or instructions, and the ac SuggestedRemedy As per comment. Proposed Response	is a repeating problem. Cla ated text for what is being ch at to be this draft. Only the f shanged subclauses , the su ided/changed text for the sp <i>Response Status</i> O	ause 30 of .3bt sl hanged in Clause first subclause he bclause header o ecific sections.	hould only contain the e 30, if nothing is being eaders for each level of interest, the editing
Proposed Response Cl 25 SC 25.4.5 Laubach, Mark Comment Type E Cross reference for "2 SuggestedRemedy As per comment.	P 23 Broadcom Lir Comment Status X		# <u>152</u>	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c instructions, and the ac <i>SuggestedRemedy</i> As per comment.	is a repeating problem. Cla ated text for what is being ch at to be this draft. Only the f changed subclauses, the su dded/changed text for the sp	ause 30 of .3bt sh nanged in Clause first subclause he bclause header o ecific sections.	hould only contain the e 30, if nothing is being eaders for each level
Proposed Response CI 25 SC 25.4.5 Laubach, Mark Comment Type E Cross reference for "2 SuggestedRemedy	P 23 Broadcom Lir <i>Comment Status</i> X 25.4.5.1". Add it.		# 152	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c instructions, and the ac SuggestedRemedy As per comment. Proposed Response C/ 33 SC 33.1.3.1 Laubach, Mark Comment Type E	is a repeating problem. Cla ated text for what is being ch at to be this draft. Only the f changed subclauses, the su dded/changed text for the sp <i>Response Status</i> O	L 27	hould only contain the e 30, if nothing is being eaders for each level of interest, the editing
Proposed Response Cl 25 SC 25.4.5 Laubach, Mark Comment Type E Cross reference for "2 SuggestedRemedy As per comment.	P 23 Broadcom Lir <i>Comment Status</i> X 25.4.5.1". Add it.		# <u>152</u>	In looking forward, this subclauses and associa changed, it doesn't nee leading up to the new/c instructions, and the ac SuggestedRemedy As per comment. Proposed Response C/ 33 SC 33.1.3.1 Laubach, Mark Comment Type E	is a repeating problem. Cla ated text for what is being ch at to be this draft. Only the f shanged subclauses , the su ided/changed text for the sp <i>Response Status</i> O <i>P</i> 44 Broadcom Li <i>Comment Status</i> X	L 27	hould only contain the a 30, if nothing is being eaders for each level of interest, the editing

C/ 33 SC 33 Laubach, Mark	P 41 Broadcom Limit	L 1 ed	# 156	C/ FM SC FM Anslow, Pete	Р 1 Ciena	L 25	# 159
<i>Comment Type</i> T When looking at exis	Comment Status X ting Clause 33 and this Clause 33			Comment Type E "Draft D2.0 is prepar	Comment Status X ed for Task Force Review." sho	ould have been "I	Draft D2.0 is prepared
existing Clause 33 ar	ause numbers. As such, I cannot and what remains the same. Modif and what remains the same. Modif changing existing clauses: i.e., edi	y Clause 33 to	b be the normal	for initial Working Gr SuggestedRemedy Going forward chang	oup ballot." je to Draft D2.1 is prepared for	Working Group b	pallot recirculation."
SuggestedRemedy As per comment.				Proposed Response	Response Status 0		
Proposed Response	Response Status O			C/ FM SC FM Anslow, Pete	Р 2 Ciena	L 4	# [160
C/ 79 SC 79 Laubach, Mark	P 208 Broadcom Limite	L 1 ed	# 157	Comment Type E "The power classifica "will be" is predicting	Comment Status X ation information exchanged du	uring negotiation v	will be extended"
	Comment Status X g instruction and a lot of unchang 30: Clause 79 of .3bt should only			SuggestedRemedy	nded" to "is extended"		
associated text for wi being changed, it doe level leading up to th	hat is being changed in existing C esn't need to be in this draft. Only e new/changed subclauses, the s and the added/changed text for the	lause 79 Sect the first subc subclause hea	ion 6. If nothing is lause headers for each ider of interest, the	Proposed Response	Response Status O		
SuggestedRemedy	-			C/ FM SC FM Anslow, Pete	Р 3 Ciena	L 40	# 161
Proposed Response	Response Status 0			Comment Type E "IEEE Std 802.3-201	Comment Status X x" should be "IEEE Std 802.3-	2015"	
C/ 33 SC 33.8.2	P 189	L 1	# [158	SuggestedRemedy Change "IEEE Std 8	02.3-201x" to "IEEE Std 802.3-	-2015"	
Abramson, David Comment Type TR The PICS section of	Texas Instrumer Comment Status X the draft has not been updated to		3 and Type 4.	Proposed Response	Response Status O		
SuggestedRemedy Update PICS section	to include all new requirements.						
Proposed Response	Response Status O						

C/FM SC FM	P 4	L 20	# 162	C/ 1	SC 1.4.381a	P 20	L 26	# 165
Anslow, Pete	Ciena			Anslow, Pe	te	Ciena		
Comment Type E	Comment Status X			Comment 7	ype E	Comment Status X		
	uld contain the summaries of th					ruction for 1.4.381a.	-l	
	02.3bt in the queue. This does	not include IEE	E Sta 802.30K-2013.			o-2016 inserted "single twiste vill have to be 1.4.381aa	d pair copper ca	ble" as 1.4.381a, so
SuggestedRemedy	of Amendments 1 through 7 as		when the WC sheir has	Suggested	•			
announced them.	or Amendments T through 7 as	well as 6 and 9	when the WG chair has			on "Insert 1.4.381aa before 1	.4.381a "single-s	signature PD" (as
Proposed Response	Response Status 0				,	02.3bp-2016) as follows: inition to 1.4.381aa		
				Proposed F	Response	Response Status 0		
C/FM SC FM	P 4	L 30	# 163					
Anslow, Pete	Ciena			C/ 1	SC 1.4.418a	P 20	L 36	# 166
Comment Type E	Comment Status X			Anslow, Pe		Ciena		
"beyond current stan published. It says the power? Electrical sig As an example, the F Std 802.3-2015 to de	not be appropriate once the an idards" which will not be appro lat it will increase the maximum gnal power? The text ends with P802.3bu summary is: "This an efine a methodology for the pro- erminal Equipment (DTE) with	priate once the a power available a green underlir nendment includ vision of power v	amendment is What power? Optical ned comma. es changes to IEEE ria a single twisted pair	Suggested Change PoDL S	Remedy the editing inst system" (as inse ber the inserted	4.418aa through 1.4.418ad. Arruction to: "Insert 1.4.418aa thered by IEEE Std 802.3bu-20 d definitions to be 1.4.418aa Response Status 0	1x) as follows:"	
Re-write the summar	ry in line with those of other am	endments						
Proposed Response	Response Status O							
C/ 1 SC 1.4.313 Anslow, Pete	Ba P 20 Ciena	L 22	# 164					
Comment Type E	Comment Status X							
	r" should be "Insert 1.4.313a af	ter"						
SuggestedRemedy Change "Insert 1.4.1	31a after" to "Insert 1.4.313a a	fter"						
Brananad Baananaa								

Proposed Response Response Status **O**

CI00 SC 0 P 27 L 1	# 167 C/ 30 SC 30.12.2.1.18a P 36 L 11	# 168
Anslow, Pete Ciena	Anslow, Pete Ciena	
Comment Type ER Comment Status X	Comment Type E Comment Status X	
Comment 1 against D1.7 noted that there was a large number of unmodifi amended clauses in the draft.	ed subclauses in Editing instruction "Insert four new managed object classes as shown in 30 30.12.2.1.18b, 30.12.2.1.18c, 30.12.2.1.18d" is not formatted correctly.	.12.2.1.18a,
The response included: "Any unchanged subsection to be removed before This has not been done. There is still a large amount of unmodified subcl amended clauses in the draft.		1.18c. and
Suggested Remedy	30.12.2.1.18d after 30.12.2.1.18 as follows:"	
Remove all subclauses that are not being changed in amended clauses. This appears to include:	Proposed Response Response Status O	
The text in 30.9.1 (leave the heading) 30.9.1.1.1 through 30.9.1.1.3	C/ 30 SC 30.12.3.1.18a P 39 L 53	# 169
30.9.1.1.5	Anslow, Pete Ciena	
30.9.1.1.7 through 30.9.1.1.14 All of 30.9.2	Comment Type E Comment Status X	
All of 30.10	Editing instruction "Insert four new remote system group managed object cl	lasses as
30.12.2.1.5 through 30.12.2.1.18		
	shown in 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3.1.18c, 30.12.3.1.18d" is not	lionnalled
30.12.2.1.21	correctly.	lionnalled
		l Iomalied
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3.	
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:"	
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status	
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status	
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3	correctly. <i>SuggestedRemedy</i> Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" <i>Proposed Response</i> Response Status O	.1.18c, and
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading)	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O Cl 33 SC 33.1.2 P 43 L 17	
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3	correctly. <i>SuggestedRemedy</i> Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" <i>Proposed Response</i> Response Status O	.1.18c, and
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading)	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O Cl 33 SC 33.1.2 P 43 L 17	.1.18c, and
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3 The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading)	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O CI 33 SC 33.1.2 P 43 L 17 Anslow, Pete Ciena Comment Type E Comment Status X	.1.18c, and # 170
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3 The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading) 79.4.1	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O CI 33 SC 33.1.2 P 43 L 17 Anslow, Pete Ciena	1.18c, and # 170 the changes
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3 The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading) 79.4.1 The text of 79.4.2	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O C/ 33 SC 33.1.2 P 43 L 17 Anslow, Pete Ciena Comment Type E Comment Status X The title of Figure 33-3 is not in line with those of Figures 33-1 and 33-2 or 1 made from "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LA most recent revision project	1.18c, and # 170 the changes
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3 The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading) 79.4.1 The text of 79.4.2 The only change to the PICS appers to be to change "enquiries" to "inquir	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O C/ 33 SC 33.1.2 P 43 L 17 Anslow, Pete Ciena Comment Type E Comment Status X The title of Figure 33-3 is not in line with those of Figures 33-1 and 33-2 or 1 made from "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LA most recent revision project.	1.18c, and # 170 the changes
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3 The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading) 79.4.1 The text of 79.4.2	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status O C/ 33 SC 33.1.2 P 43 L 17 Anslow, Pete Ciena Comment Type E Comment Status X The title of Figure 33-3 is not in line with those of Figures 33-1 and 33-2 or 1 made from "IEEE 802.3 CSMA/CD LAN model" to "IEEE 802.3 Ethernet LA most recent revision project.	.1.18c, and # 170 the changes AN model" in th
30.12.2.1.21 The text in 30.12.3 30.12.3.1.5 through 30.12.3.1.18 79.1 through 79.2 The text in 79.3 All of 79.3.1 [There appers to be some new text at the end of 79.3.2 with no editing ins editing instruction] 79.3.2.1 through 79.3.2.3 The content of 79.3.2.4 (leave the heading) 79.3.2.4.2 and 79.3.2.4.3 The content of 79.3.2.5 and 79.3.2.6 except Table 79-5 and Table 79-6 79.3.2.7 The content of 79.4 (leave the heading) 79.4.1 The text of 79.4.2 The only change to the PICS appers to be to change "enquiries" to "inquir 228, line 22, but this is "inquiries" in the base standard, so unless there ar	correctly. SuggestedRemedy Change editing instruction to: "Insert 30.12.3.1.18a, 30.12.3.1.18b, 30.12.3. 30.12.3.1.18d after 30.12.3.1.18 as follows:" Proposed Response Response Status C/ 33 SC 33.1.2 P 43 L 17 Anslow, Pete Comment Type E Comment Type SuggestedRemedy	.1.18c, and # 170 the changes AN model" in th

1 33 SC 33 P 43 L 33 # 171	Cl 33 SC 33.2.7.1 P 97 L 46 # 173	
nslow, Pete Ciena	Anslow, Pete Ciena	
omment Type TR Comment Status X	Comment Type E Comment Status X	
1.2.6 says: "Unless otherwise stated, numerical limits in this standard are to be taken as exact, with the number of significant digits and trailing zeros having no significance."	Table 33-14 is referenced on page 97 line 46, but the table does not apper until page 10 (after Table 33-15).)1
Consequently trailing zeros (after the decimal point) should not be shown.	SuggestedRemedy	
uggestedRemedy	Move Table 33-14 nearer to 33.2.7.1.	
Remove trailing zeros throughout the draft. This includes: Table 33-1, Table 33-8, Table 33-9, Table 33-10, Table 33-11, Page 96 line 7, Table 33-12, Table 33-13, Table 33-14, Table 33-15, Table 33-17, Equation 33-11, Equation 33-14, Equation 33-15, Equation 33-17, Equation 33-18, Equation 33-19, Table 33-18, Table 33-	Proposed Response Response Status O	
21, Table 33-22, Table 33-23 Table 33-24, Table 33-25, Table 33-26, Table 33-28, Table	CI 33 SC 33.1.3 P 43 L 36 # 174	
33-29, Table 33-30, Table 33-31, Table 33-32, Table 33-33, Equation 33-34, Equation 33- 35, Equation 33-36, Equation 33-37, Equation 33-38, Equation 33A-4, Table 33B-1.	Anslow, Pete Ciena	
	Comment Type E Comment Status X	
roposed Response Response Status O	The references to "ISO/IEC 11801" and "ANSI/EIA/TIA-568" should not be in green	
	SuggestedRemedy	
1 00 SC 0 P L # 172	Make all 6 references in the botton 3 rows of Table 33-1 black	
nslow, Pete Ciena	Proposed Response Response Status O	
omment Type ER Comment Status X		
There are a large number of broken cross references in the draft. These should either be		
made into live cross-references or if the target location is not in the draft turned into text with the character tag "External"	Cl 33 SC 33.2.5.2 P 55 L 17 # 175	
	Anslow, Pete Ciena	
uggestedRemedy Fix all incorrect cross-references in the draft. Some are black text, some are black cross- refs that do not wotk.	Comment Type E Comment Status X "this Clause" should be "this clause"	
Either make them into live cross-references or if the target location is not in the draft turn them into text with the character tag "External"	SuggestedRemedy Change "this Clause" to "this clause"	
I started listing the location of each cross-reference to be fixed in this comment, but it is just too long a list, so I have highlighted the ones that I have found in yellow in an attached version of the draft.	Proposed Response Response Status O	
roposed Response Response Status O		
	CI 33 SC 33.2.5.6 P 60 L 43 # 176	
	Anslow, Pete Ciena	
	Comment Type E Comment Status X The indentation under "set_parameter_type" is not correct.	
	The indentation under "set_parameter_type" is not correct.	
	The indentation under "set_parameter_type" is not correct. SuggestedRemedy	

CI 33 SC 33.2. Anslow, Pete	7.2 <i>P</i> 100 Ciena	<i>L</i> 1	# 177	C/ 33 SC 33.8 Anslow, Pete	<i>P</i> 188 Ciena	L 1	# 180
Comment Type E	Comment Status X			Comment Type ER	Comment Status X		
51	able 33-15 is missing "continued	l" on the second p	part.	<i>,</i>	is quoted in three places in the	he PICS proform	a. Each ocurrence
SuggestedRemedy				should match the act	ual clause title.		
55	t the end of table title on first page	ge. Then click on t	the Variables Tab and	SuggestedRemedy			
insert "Table Contin		ger men enen en			via MDI" to "Data Terminal Ec		
Proposed Response	sed Response Response Status O			•	(MDI)" in the title of 33.8, on p	age 188 line 6 a	and page 189 line 24.
				Proposed Response	Response Status O		
C/ 33 SC 33.2.	7.3 <i>P</i> 101	L 38	# 178				
nslow, Pete	Ciena			C/ 33 SC 33.8.1	P 188	L 11	# 181
Comment Type ER	Comment Status X			Anslow, Pete	Ciena		
				Comment Type E	Comment Status X		
The IEEE style ma	nual 12.2 includes: "The decima	al marker should b	be a dot on the line	51			
(decimal point)."				51	e first PICS page is wrong		
(decimal point)." Many equations an	anual 12.2 includes: "The decima nd some tables in the draft use a			The pagination on the SuggestedRemedy	e first PICS page is wrong		
(decimal point)." Many equations an SuggestedRemedy	nd some tables in the draft use a	a comma as a dec	simal marker.	The pagination on the SuggestedRemedy Click on the heading	e first PICS page is wrong for 33.8.2.2, Paragraph design	ner, Pagination ta	ab, uncheck Keep Wi
(decimal point)." Many equations an SuggestedRemedy Change all ocurren	nd some tables in the draft use a nees of a comma used as a deci	a comma as a dec imal marker to a d	cimal marker. decimal point.	The pagination on the SuggestedRemedy Click on the heading Next Pgf (click twice)	e first PICS page is wrong for 33.8.2.2, Paragraph design Apply, should fix this.	ner, Pagination ta	ab, uncheck Keep Wi
(decimal point)." Many equations an SuggestedRemedy Change all ocurren Check all equation	nd some tables in the draft use a nces of a comma used as a deci s and tables in the draft (includi	a comma as a dec imal marker to a d	cimal marker. decimal point.	The pagination on the SuggestedRemedy Click on the heading	e first PICS page is wrong for 33.8.2.2, Paragraph design	ner, Pagination ta	ab, uncheck Keep Wir
(decimal point)." Many equations an SuggestedRemedy Change all ocurren Check all equation	nd some tables in the draft use a nees of a comma used as a deci	a comma as a dec imal marker to a d	cimal marker. decimal point.	The pagination on the SuggestedRemedy Click on the heading Next Pgf (click twice)	e first PICS page is wrong for 33.8.2.2, Paragraph design Apply, should fix this.	ner, Pagination ta	ab, uncheck Keep Wi
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(decimal point)." Many equations an SuggestedRemedy Change all ocurren Check all equations Proposed Response	nd some tables in the draft use a nces of a comma used as a deci s and tables in the draft (includin <i>Response Status</i> O 8.7 <i>P</i> 112	a comma as a dec imal marker to a d	cimal marker. decimal point.	The pagination on the SuggestedRemedy Click on the heading Next Pgf (click twice) Proposed Response	e first PICS page is wrong for 33.8.2.2, Paragraph design Apply, should fix this. <i>Response Status</i> O	_	
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C/ 33 SC 33.8.2.	4 <i>P</i> 190	L 13	# 183	C/ 79	SC 79.3.2.6a	P 214	L 54	# 186
Anslow, Pete	Ciena	L 13	# 103	Anslow, Pete		Ciena	L J4	# 100
	Comment Status X MDA is "MID:O:2". colon is given in 21.6.2: cate condition, dependent on th	e support marke	ed for <item></item>	SuggestedRe	ot use the term emedy	Comment Status X "Section" when referring to a		
The ":2" part seems	means optional for a midspan to violate the syntax. When the vo rows containing that number	re is a number (a	as per 1 or 3) there		e after 79.3.2.6	ruction to: "Insert 79.3.2.6a, 7 as follows:" Response Status O	79.3.2.6b, 79.3.	2.6c, 79.3.2.6d and
SuggestedRemedy Please explain the m	eaning of "MID:O:2" or correct	it.						
Proposed Response	Response Status O			<i>Cl</i> 79 Anslow, Pete	SC 79.3.7	P 218 Ciena	L 5	# 187
CI 33 SC 33.8.3.		L 48	# 184	Comment Typ 79.3.7 ha		Comment Status X added by IEEE Std 802.3br	r-2016	
"ANSI/TIA/EIA-568-A SuggestedRemedy	Ciena <i>Comment Status</i> X is in strikethrough font A:1995" is in underline font 568-C.2" and show "ANSI/TIA/E	IA-568-A:1995"	in normal font.	802.3br-2 Renumbe Re-numb Renumbe	he editing instr 2016) as follow er 79.3.7 to 79. er Figure 79-3 er Figures 79-6		st figure inserte	d by 802.3br was 79-8)
Proposed Response	Response Status O			Proposed Re	sponse	Response Status O		
C/ 79 SC 79.3 Anslow, Pete	<i>P</i> 210 Ciena	L 16	# [185	<i>Cl</i> 79 Anslow, Pete	SC 79.3.7.3	<i>P</i> 222 Ciena	L 15	# 188
Comment Type T Table 79-1 has been	Comment Status X modified by IEEE Std 802.3br-	2016		<i>Comment Ту</i> space mi	be E ssing in "throug	Comment Status X gh65535"		
SuggestedRemedy Change the editing in 2016) as follows:" and include the chan	nstruction to: "Change Table 79 ges made by 802.3br br changes don't affect the othe	-1 (as modified l		SuggestedRe change to Proposed Re	o "through 655	35" Response Status O		
Proposed Response	Response Status O							

C/ 79 SC 79.4.2 P 224 L 4 # 189 Anslow, Pete Ciena Ciena<	C/ 33 SC 33.2.8.7 P 110 L 47 # 191 Darshan, Yair Microsemi
Comment Type E Comment Status X	Comment Type TR Comment Status X
Tables shown as 79-8 and 79-9 should be Tables 79-9 and 79-10 (as in the editing instruction) SuggestedRemedy Re-number the tables. Proposed Response Response Status O	In the following text: "A PSE may remove power from the PI if the PI current meets or exceeds the "PSE lowerbound template in Figure 33–27, Figure 33–28, and Figure 33–29. Power shall be removed from a pairset of a PSE before the pairset current exceeds the "PSE upperbound template"." There is missing text that says that the minimum value of ILIM-2P is the PSE lowerbound
C/ 33 SC 33.2.8.5 P 109 L 43 # 190	template as we did for the upperbound. SuggestedRemedy
C/ 33 SC 33.2.8.5 P 109 L 43 # 190 Darshan, Yair Microsemi Comment Type TR Comment Status X Equation 33-15 can be simplified per the work done in http://www.ieee802.org/3/bt/public/jul16/darshan_01_0716.pdf and was accepted according the straw poll in last meeting to be used in D2.0. SuggestedRemedy Addopt darshan_01_0716.pdf for D2.0.	Change from: "A PSE may remove power from the PI if the PI current meets or exceeds the "PSE lowerbound template" in Figure 33–27, Figure 33–28, and Figure 33–29. Power shall be removed from a pairset of a PSE before the pairset current exceeds the "PSE upperbound template"." To: "The mininimum value of ILIM-2P is the PSE lowerbound. A PSE may remove power from the PI if the PI current meets or exceeds the "PSE lowerbound template" in Figure 33–27,
Proposed Response Response Status O	Figure 33–28, and Figure 33–29. Power shall be removed from a pairset of a PSE before the pairset current exceeds the "PSE upperbound template"." <i>Proposed Response</i> Response Status O

Cl 33 SC 33.2.10.1.2 P 119 L 20 # 192 Darshan, Yair Microsemi	Cl 33 SC Annex 33B P 237 L 16 # 193 Darshan, Yair Microsemi
Comment Type TR Comment Status X In my previous work in http://www.ieee802.org/3/bt/public/may16/darshan_10_0516.pdf, I have addressed the PSE dv/dt that affects short MPS. The bottom line is: PSE dv/dt voltage transients caused by ports cross regulations, creates current transient at the amplitude and time duration of the short MPS pulse and can cancel the MPS short pulse and add to it a false current pulse which makes the short MPS operation less reliable. There are several questions resulting from this research: 1. How PSE will address false missing or addition of short MPS pulse? Options: a) If it is missing, it should remove power and risking with false disconnect.	Comment Type TR Comment Status X (See darshan_06_0916.pdf) Annex 33B directs the reader to Annex 33D to find important informative data to how Rload_min/max where derived. This Annex is missing and should be added as planned. SuggestedRemedy See proposed remedy in darshan_06_0916.pdf for Annex D. Proposed Response Response Status O
 b) If the PD wants to be OFF but there is false addition of pulse, the PSE will keep the power even if it is false "don't connect power". c) The PSE will decide what to do if it has the information that the distorted short MPS 	C/ 33 SC 33.2.6.1 P 91 L 11 # 194 Darshan, Yair Microsemi
 pulse was a result of PSE dv/dt. 2. What to require from a PD to make sure that it is generating a valid MPS pulse under PSE dv/dt conditions? a) Not to require anything. The current spec. suggests using higher MPS current. The problem is that it is counter the objective of low STBY power which short MPSE was meant to achieve. b) Leave it as implementation specifics and not to address it in the spec. May be just adding a note to make the reader aware of the issue? 3. How to address this issue when testing system for compliance? Simpler solution was suggested by Chad that is not required new definitions or requirements for PSEs nor PDs. The solution is just to test the PSE for meeting MPS rules at conditions when only single port is operated at a time so PSE dv/dt is not possible due to cross regulation. In this way the true requirements of the spec is tested and we verify that PSE or PD is not cheating It is clear that the spec is only about a single port but it will be good to clarify it in case of multi-port system as we did in other cases in the spec. 	Comment Type TR Comment Status X Table 33-8, Tcc min. Tcc min was removed from PSE state machine and from its timer list. In page 90 lines 38-40 we have a note to explain that PSE implementations should take into consideration the issue of simultaneous pin connection but yet the Tcc minimum is defined in the table and should be removed completely. It is now implementation specifics. SuggestedRemedy Remove Tcc min line from Table 33-8. Proposed Response Response Status O
SuggestedRemedy	Darshan, Yair Microsemi
 Add the following text in the 1. PSE requirements: In case of PSE voltage transient event that cause di/dt current transient at the PD that resultaed with distored MPS pulse, the PSE may decide what action to take (to maintain power or disconnect)if it has the information that the distorted short MPS pulse was a result of PSE dv/dt." Add "Editor Note: To address what are the requirements from PSE, PD and compliance tests when PD short MPS pulse is falsely added or disappears during PSE dv/dt event." Proposed Response Response Response Status O 	Comment Type TR Comment Status X Clause 79. IEEE 802.3 Organizationally Specific Link Layer Discovery Protocol (LLDP) type, length, and value (TLV) information elements, need to be updated with more TLV information needed for the current spec and optional features to support dual-signature PDs. SuggestedRemedy Adopt recommendations of darshan_13_0916.pdf if available for the meeting. If not ready, add to clause 79: "Editor Note: To verify if TLVs contain all the information required to DLL to support dual-signature DLL state machine in Figure 33-50 including optional information for future needs." Proposed Response Response Status 0

CI 33 Darshan, Y	SC 33.2.8.4	P 107 Microsemi	L 36	# 196	C/ 33 Darshan, `		3.2.5.9	P 72 Microsemi	L 52	# 198
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Comment		Comment Status X			Comment		TR	Comment Status X		
33-11, <0.25n http://w	the accuracy of nA. Please see www.ieee802.org	w Equation 33-12 with Equation the curve fit of Equation 33-1 the work done in y/3/bt/public/jul16/darshan_02 eeting to be used in D2.0.	1 need to be inc	0	capab TRese oversu	le of sup et and a t	porting be ransition and in p	Es shall issue no more Class etween the most recent time to POWER_UP. For examp ower management mode or	VPSE was at V e, this would ap	Reset for at least
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	-	g/3/bt/public/jul16/darshan_02	_0716.pdf		00			management mode" or defi	ne/clarify it	
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33	SC 33.2.8.4	P 107	L 44	# 197	C/ 33	SC 2	3.2.5.11	P 75	L 12	# 199
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Comment	51	Comment Status X			Comment		-	Comment Status X		
accura The wo 33–10	ate. orst case value o and Equation 33	ase value of IPeak-2P-unb is of of IPeak-2P-unb is one of the 3-11). < is the maximum value of Ipe	values that can	be derived by Equation	"pd_a Layer	utoclass: classifica	ation. pd_	able indicates whether the F autoclass is set to True whether v, as defined in Table 33–27	n a class signat	ure **if** '0' is detected
Equation	on 33-12 only af	ter plugging in specific operat	ing conditions s	uch channel resistance.	The **	if** is rec	lundant.			
_					Suggested	dRemedy	,			
Suggested	2				Delete	e the **if*	*.			
"The w To:	vorst case value	of IPeak-2P-unb is defined by of IPeak-2P-unb is IPeak-2P-		,	Proposed	Respons	e	Response Status O		
Chang "The w To: "The w Equatio	e from: vorst case value			,			-	Response Status O		

barshan, Yair Microsemi Comment Type TR Comment Status X (See editing marks on page 8 in darshan_0716,pdf) Tropposed Response Comment Status X "Figure 33C-2 Darshan, Yair Microsemi (Riad, max – Rchan) to meet ICon-2P-unb requirements and RPSE_min and RPSE_min and RPSE_max Orment Status X (Riad, max – Rchan) to meet ICon-2P-unb requirements and RPSE_min and R					-				
Comment Type TR Comment Status X (see editing marks on page 8 in darshan_Q716.pdf) "Figure 33C-2 liubstrates a PSE implementing CC_DET_SEQ=0 when the result of connection free is single"." (see editing marks on page 8 in darshan_Q716.pdf) It should be Figure 33C-2 liubstrates a PSE implementing CC_DET_SEQ=0 when the result of connection free is single"." (see editing marks on page 8 in darshan_Q716.pdf) It should be Figure 33C-1. In the above text it is about Rham-2P which range from 0.2 ohm to 12.5 ohm. See editing marks on page 8 in darshan_Q716.pdf) In as B4 See editing marks on page 8 in darshan_Q716.pdf) See editing marks on page 8 in darshan_Q716.pdf) In as B4 Response Response Status 0 2/ 33 SC ANNEX 33B P 237 L 18 # [01] 2/ 33 SC ANNEX 33B P 237 L 18 # [01] 2/ 33 SC ANNEX 33B P 237 L 18 # [01] 2/ 33 SC ANNEX 33B P 237 L 18 # [01] 2/ 33 SC ANNEX 33B P 237 L 18 # [01] 2/ 42 Microsemi Comment Status X Figure 33C-12. 2/ 33 SC ANNEX 33B P 237 L 18 # [01] Add TCLE1 lable and arrow to Fi	CI 33 SC 33B.	4 P 240	L 37	# 200	C/ 33	SC 33C.1.1	P 241	L 25	# 202
(see eding marks on page 8 in darshan_0716 pdf) "Figure 33C-2 illustrates a PSE implementing CC_DET_SEQ=0 when the result of connection check is "single". "'Gon_2P_urb and Equation (33-14) are specified for total channel common mode pair resistances from 0.1 ohm to 12.5 ohm and worst case unbalance contribution by a PD. When the PSE is lested of the (Noad, min - Rchan) and (Rodad, max - Chan) to medor resistance less than 0.10 ohm i, i.e. 0 It should be Figure 33C-1. Viggested/Remedy See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_0716 pdf) See editing marks on page 8 in darshan_07.0916 pdf) 73 SC ANNEX 33B P 237 L 18 # 201 73 SC ANNEX 33B P 237 L 18 # 201 74 Microsemi Comment Status X Figure 332-12. Figure 332-12. 74 Comment Status X Figure 332-12. Comment Status X 76 Microsemi Comment Status X Figure 338-2. 76 Ya compliant unbalanced load, Rioad, consists of the channel (cables and connectors) and the PD effective resistances. C	Darshan, Yair	Microsemi			Darshan, `	Yair	Microsemi		
 "ICO." 2P_Lub and Equation (33–4) are specified for total channel common mode pair resistance from 0.1 ohm to 12.5 ohm an worst case unblaution by a PD. When the PSE is tested for channel common mode resistance contribution by a PD. When the PSE is tested with Richar and RPSE_min and RPSE_max forformance to Equation (33–4)." In the above text it is about Rchan-2P which range from 0.2 ohm to 12.5 ohm. WagestedRemedy (See editing marks on page 8 in darshan_0716.pdf) in hash. Replace Rchan 'with 'Rchan-2P'. 'Proposed Response Response Status O (J 33 SC ANNEX 33B P 237 L 18 # 201 Arshan, Yair Microsemi Connectors) and the PD effective resistances." Road is actually Rioad_min and Rioad_max as discussed in Annex 33B. In addition for improved clarity, to the Rioad with Rchan and RPair_PD. WagestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) (See editing marks on page 5 in darshan_07_0916.pd	Comment Type TR	Comment Status X			Comment	Type E	Comment Status X		
SuggestedRemedy (See editing marks on page 8 in darshan_0716.pdf) In 33B.4: In addition for improved clarity, to tie Rioda with Rehan and RPair_PD. SuggestedRemedy (See editing marks on page 5 in darshan_07.0916.pdf) In the text 7 compliant unbalanced load, Rioad_min and Rioad_max as discussed in Annex 33B. In addition for improved clarity, to tie Rioda with Rehan and RPair_PD. SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) In the text 7 compliant unbalanced load, Rioad_max as discussed in Annex 33B. In addition for improved clarity, to tie Rioda with Rehan and RPair_PD. SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) In the text 7 compliant unbalanced load, Rioad_max as discussed in Annex 33B. In addition for improved clarity, to tie Rioda with Rehan and RPair_PD. SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) Change: ''''''''''''''''''''''''''''''''''''	"ICon_2P_unb and resistance from 0." When the PSE is t ohm < Rchan < 0." (Rload_max – Rch conformance to Ed	d Equation (33–14) are specified f 1 ohm to 12.5 ohm and worst cas ested for channel common mode 1 ohm, the PSE shall be tested w an) to meet ICon-2P-unb required quation (33–14)."	e unbalance cor resistance less ith (Rload_min – nents and RPSE	ntribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	conne It shor Suggested Repla	ction check is 's uld be Figure 33 d <i>Remedy</i> ce Figure 33C–	single'." C–1. 2 with Figure 33C–1.	_DET_SEQ=0 wh	nen the result of
(See editing marks on page 8 in darshan_0716.pdf) In Replace edition marks on page 8 in darshan_0716.pdf) In Replace all "0.1 ohm" with "0.2 ohm". 2. Replace "Richan" with "Richan-2P". Proposed Response Response Status 0 C/ 33 SC ANNEX 33B P 237 L 18 # 201 C/ arrantsan, Yair Microsemi Comment Type TR Comment Status X (See editing marks on page 5 in darshan_07_0916.pdf) Microsemi In the text "A compliant unbalanced load, Rload_min and Rload_max as discussed in Annex 33B. In addition for improved clarity, to tie Rload with Rchan and RPair_PD. SuggestedRemedy SuggestedRemedy C/ 33 SC 33B.1 P 238 L 30 # 204 Darshan, Yair Microsemi Comment Status X Figure 33B-2: 1. The drawing loss like broken on the left side at the connections to Vport_pse, Vdiff1 and Vdiff2. (See editing marks on page 5 in darshan_07_0916.pdf) Change: Nicrosemi Ci 33 SC 33B.1 P 238 L 30 # 204 Darshan, Yair Microsemi Comment Status X Figure 33B-2: 1. The drawing loss like broken on the left side at the connections to Vport_pse, Vdiff1 and Vdiff2. Ci as compliant unbalanced load, Rload, min and Rload_max consi					Proposea	Response	Response Status O		
Figure 33C-12: Missing TCLE1 lable and arrow as done for Figure 33C-13. SuggestedRemedy C/ 33 SC ANNEX 33B P 237 L 18 # 201 Jarshan, Yair Microsemi Comment Type TR Comment Status X (See editing marks on page 5 in darshan_07_0916.pdf) In the text "A compliant unbalanced load, Rload_consists of the channel (cables and connectors) and the PD effective resistances." C/ 33 SC 33B.1 P 238 L 30 # 204 SuggestedRemedy Rload is actually Rload_min and Rload_max as discussed in Annex 33B. In addition for improved clarity, to the Rload with Rchan and RPair_PD. SuggestedRemedy Comment Type TR Comment Status X Figure 33B-2: SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) Change: Nicrosemi Comment Type TR Comment Status X Figure 33B-2: 1. The drawing looks like broken on the left side at the connections to Vport_pse, Vdiff1 and Vdifi2. 2. The arrows marking the point of measuring Veff1, Veff1, Veff3 abd Veff4 are not sufficiently clear where they are pointing. Follow the original drawing darshan_03_0916.pdf To: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE Pi effective resistance. See Annex D. SuggestedRemedy Cor <td< td=""><td>(See editing marks In 33B.4: 1. Replace all "0.1 2. Replace "Rchar</td><td>ohm" with "0.2 ohm". " with "Rchan-2P".</td><td></td><td></td><td>Darshan,</td><td>Yair</td><td>Microsemi</td><td>L 20</td><td># 203</td></td<>	(See editing marks In 33B.4: 1. Replace all "0.1 2. Replace "Rchar	ohm" with "0.2 ohm". " with "Rchan-2P".			Darshan,	Yair	Microsemi	L 20	# 203
Cl 33 SC ANNEX 33B P 237 L 18 # 201 Aarshan, Yair Microsemi Comment Type TR Comment Status X (See editing marks on page 5 in darshan_07_0916.pdf) In the text "A compliant unbalanced load, consists of the channel (cables and connectors) and the PD effective resistances." Cl 33 SC 33B.1 P 238 L 30 # 204 Rload is actually Rload_min and Rload_max as discussed in Annex 33B. In addition for improved clarity, to tie Rload with Rchan and RPair_PD. Cl 33 SC 33B.1 P 238 L 30 # 204 SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) Change: Nicrosemi Comment Type TR Comment (table and arrow to Figure 33B-2: 1. The drawing looks like broken on the left side at the connections to Vport_pse, Vdiff1 and Vdiff2. SuggestedRemedy To: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE Pl effective resistance. See Annex D. SuggestedRemedy To: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE Pl effective resistance. See Annex D.	roposea Response	Response Status O						done for Figure 3	33C-13.
In the text "A compliant unbalanced load, Rload, consists of the channel (cables and connectors) and the PD effective resistances." C/ 33 SC 33B.1 P 238 L 30 # 204 Rload is actually Rload_min and Rload_max as discussed in Annex 33B. In addition for improved clarity, to tie Rload with Rchan and RPair_PD. Darshan, Yair Microsemi SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) The drawing looks like broken on the left side at the connections to Vport_pse, Vdiff1 and Vdiff2. "A compliant unbalanced load, Rload, consists of the channel (cables and connectors) and the PD effective resistances." SuggestedRemedy To: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE PI effective resistance. See Annex D. SuggestedRemedy Circ 1. Fix the broken connection in Figure 33B-2. See reference in darshan_03_0916.pdf. 2. To align the arrows to the correct position as exactly as shown in darshan_03_0916.pdf. 2. To align the arrows to the correct position as exactly as shown in darshan_03_0916.pdf.	Darshan, Yair Comment Type TR	Microsemi Comment Status X		# 201	Add T	CLE1 lable and	0		
In addition for improved clarity, to tie Rload with Rchan and RPair_PD. SuggestedRemedy (See editing marks on page 5 in darshan_07_0916.pdf) Change: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE PI effective resistance. See Annex D. Proposed Response Response Response Status O	In the text "A comp	pliant unbalanced load, Rload, co	nsists of the cha	nnel (cables and				L 30	# 204
To: "A compliant unbalanced load, Rload_min and Rload_max consists of the channel (cables and connectors), PD effective resistances and PSE PI effective resistance. See Annex D. Proposed Response Response Status O SuggestedRemedy Editor to: 1. Fix the broken connection in Figure 33B-2. See reference in darshan_03_0916.pdf. 2. To align the arrows to the correct position as exactly as shown in darshan_03_0916.pdf.	In addition for imp SuggestedRemedy (See editing marks Change: "A compliant unba	roved clarity, to tie Rload with Rch s on page 5 in darshan_07_0916. lanced load, Rload, consists of th	nan and RPair_ F odf)	PD.	Figure 1. The and V 2. The suffici	e 33B-2: e drawing looks diff2. e arrows marking ently clear wher	like broken on the left side at g the point of measuring Veff	1, Veff1, Veff3 at	od Veff4 are not
	To: "A compliant unba	lanced load, Rload_min and Rloa D effective resistances and PSE			Editor 1. Fix See re 2. To	to: the broken con eference in dars align the arrows	han_03_0916.pdf. to the correct position as ex	actly as shown in	darshan_03_0916.pd

C/ 33	SC 33A.5	P 234	L 11	# [005]	C/ 33	SC 3		P 120	L 37	# 007
Darshan, Ya		P 234 Microsemi	<i>L</i> 11	# 205	Darshan, Y		5.3.2	P 120 Microsemi	L 31	# 207
Comment T		Comment Status X			Comment		TR	Comment Status X		
Equation the 4 equation The cla	on 33A-4 was equations apea asses apears	an_07_0916.pdf) implemented wrongly since C ırs in revers order. the correct order.	atania meeting.		so in tl Suggestea	he "option Remedy	nal capa	4 dual-signature rows: Auto bilities" column, "Autoclass" "optional capabilities" colum	should be delet	ed and left empty.
http://w		rg/3/bt/public/oct15/darshan_		.pdf		dual sign				a line 41 loi PD Types 3
(Variab Suggested		2.0 are correct, DO NOT CH	ANGE IT)		Proposed	Respons	е	Response Status O		
(See co Change Rpair_F Rpair_F Rpair_F	orrected equa e only the Equ PD_max = 2.2 PD_max = 2.0 PD_max = 1.7 PD_max = 1.7	tion in page 4 in darshan_07_ tations order as follows: :00* Rpair_PD_min +0.125 Fo :10* Rpair_PD_min +0.105Fo :00* Rpair_PD_min +0.080 Fo :50* Rpair_PD_min +0.080 F Response Status 0	or PD Type 3 class r PD Type 3 class r PD Type 4 class	6 7	The fa	(air <i>Type</i> on 33-14 ctor "2.0	15" of Rp	P 108 Microsemi Comment Status X ose_max for class 6 should b ax in class 6 which is "2.010"		# 208
, opeced i	looponoo				Suggestea					
CI 33	SC 33.2.7.	3.5 <i>P</i> 100	L 42	# 206		ation 33- Je the fac		ass 6: 2.015 to 2.010.		
Darshan, Y	'air	Microsemi			Proposed	Respons	е	Response Status 0		
Annex Annex	nnex 33C for C is not abou	for unbalance issues.	5."							
2. Add here" If there "See Ar 3. Sam Page 9 Page 1 Page 1 Page 2	nge to: "See A Editor Note to a is no need fo nnex 33C for he issue to be 06 Line 3. 16 Line 20. 44 Line 23. 217 Line 19.		tion regarding Aut ss, delete the text							
Proposed F	Response	Response Status O								

C/ 33 SC 33.5.1.2	P 175 L 51	# 209	CI 33 SC 33.3.9	P 129 L	11 # 210
Darshan, Yair	Microsemi		Darshan, Yair	Microsemi	

Comment Type TR Comment Status X

The Editor note need to be updated as for the list of features we need to support.

SuggestedRemedy

Change from:

"Editor's Note: Table 33-22 requires new fields to support new Types and features. Reviewers are encouraged to provide the required definitions. 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."

To:

"Editor's Note: Table 33-22 requires new fields to support new Types and features. Reviewers are encouraged to provide the required definitions. 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 5-8 PDs, dual/single-signature PD detected. PSE is using Type 3 or 4 electrical parameters and Autoclass."

Proposed Response Response Status 0

Comment Type **TR** Comment Status X

The subject is: Figure 33-32 (PD single signature state diagram). dll power type. dll power level and the synch with Figure 33-50 which is currently is good only for Type 1 and Type 2.

Background:

PD Type 1/2 state machine:

In page 122 line 45 we have a definition for pse dll power type that is used in PD Type 1 and 2 state machine in page 124 line 30 at the exit from MDI PWR1.

The pse dll power type is used in the PD power control state diagram (LLDP) Figure 33-50.

So far all is good.

Single Signature PD Type 3/4 state machine:

In page 127 line 11 we have a definition for pse_dll_power_level that should be used in the single-signature PD Type 3 and 4 state machine on page 129 line 11 at the exit from MDI PWR1 but instead there is pse dll power type there as was in Type 1/2 PD state machine.

The pse dll power type is required in the PD power control state diagram (LLDP) Figure 33-50 but is not defined in the variable list (what is defined is only pse dll power level.

The problems are:

1. For Type 3 and 4 single-signature PD: It needs to be pse dll power level and not pse_dll_power_type.

2. Type 3 and 4 single-signature PD state diagram and variable list should be sync with Figure 33-50 that historically needs pse dll power Type only for Type 1 and 2. 3. We need figure 33-50 to work with Legacy and new single-signature PDs.

SuggestedRemedy

Adopt darshan 12 0916.pdf if available for the meeting. If not. To add Editor Note to page 129:

"Editor Note: (1) To make changes in Figure 33-50 so it can work with Type 1 and 2 by using the existing variables in Figure 33-50 and work with dll power level when it is Type 3 and Type 4 PDs. (2) Type 3 and 4 single-signature PD state diagram and variable list should be sync with Figure 33-50."

Proposed Response Response Status 0

C/ 33 SC 33.5 P 172	L 26	# 211	CI 33	SC 33.3.8.10	P 155	L 34	# 213
Darshan, Yair Microsem			Darshan,	Yair	Microsemi		
Comment Type TR Comment Status X Clause 33.5 Management function requirements registers. It is a problem to add the missing register is suggested to: 1. rename clause 33.5 title in line 21 to "33.5 Type requirements" 2. Add new sub clause: "33.X Type 3 and Type 4 3.Add minimum control and status register set for the status registere	sters to 33.5 due to t the 1 and Type 2 Man I Management funct or Type 3 and 4 featt	used up address space. agement function ion requirements" ures that will be	33.3. editin <i>Suggeste</i> All m	comment is marke 3.10 needs some g marks on page dRemedy	Comment Status X ad "PDPI_P2P" updates. All my comments rela 2 in darshan_07_0916.pdf. ed to 33.3.8.10 are shown with		
equitant management capability to the MDIO an well. The protocol will be implementation specific allows equivalent way to do it. See page 172 line	c since MDIO is not			Response	Response Status O		
SuggestedRemedy							
 Rename clause 33.5 title in line 21 to "33.5 Ty requirements" Add new sub clause: "33.X Type 3 and Type 4 		0	C/ 33 Darshan,	SC 33.6 Yair	P 177 Microsemi	L 40	# 214
to the new clause 33.X the following Editor Note "Editor Note: "Editor Note: Add minimum control features that will be equitant management capal expansion capabilities as well. The protocol will not practical and the spec allows equivalent way Proposed Response Response Status 0	and status register pility to the MDIO and be implementation s	d will have future	1. su 2. To its va and n 3. In a	oport dual-signatu fix some error reg riable list, PD DLL naybe Figure 33-4	parding the sync between varia power state maching and its 9 as well. 6 needs to be in sync with PD	ble names in P variable list and	I figure 33-50 mainly
			Suggeste	dRemedy			
CI 33 SC 33.2.5.12 P 83 Darshan, Yair Microsem Comment Type T Comment Status X In figure 33-16 Typo in paranthesis in two location		# 212	the b "Edito 1. su 2. To its va	egining of clause : or Note: 33.6 Data oport dual-signatu fix some error reg	Link Layer classification need re PD. garding the sync between varia power state maching and its v	l to be updated ble names in P	in order to: D state machine and
						machines and th	heir variable list."
SuggestedRemedy Change from; IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec To: IF (pd_cls_4PID_pri * (sig_pri = valid) * (sig_sec			3. syr		ngle and dual signature state r <i>Response Status</i> O	machines and th	heir variable list."

X 33 SC 33.2.8.7 P 111 L 30 # 215 Parshan, Yair Microsemi	Cl 33 SC 33.2.8.4.1 P 108 L 34 # 217 Darshan, Yair Microsemi
	Comment Type TR Comment Status X
 omment Type TR Comment Status X 1. Equation 33-16 describes the relationship between ILIM_min and Ipeak_max and not between ILIM_min and Ipeak. 2. Equation 33-16 adress ILIM_min during TLIM-2P min time duration only. 	"ICon-2P-unb applies for total channel common mode pair resistance from 0.1 OHM to RCh. For channels with common mode pair resistance lower than 0.1 OHM, see Annex 33B."
uggestedRemedy 1. Change the text "ILIM_min is defined by Equation (33–16)." To: "The total current at ILIM-2P_min operating point during TLIM-2P_min is ILIM_min defined by Equation (33–16)."	This text is addressing ICon-2P-unb which is defined by Rchan-2P range therefore the "0 ohm" need to be changed to "0.2 ohm". (0.1 ohm to 6.25 ohm is the range for Rchan in 4-pairs). SuggestedRemedy
 Change Equation 33-16 from: ILIM_min={lpeak+0.004}A To: ILIM_min={lpeak_max+0.004}A in the "where" list change: "lpeak is defined by Equation (33-9) 	 Change from "0.1 ohm" to "0.2 ohm" in the following locations: 1. page 108 line 34. 2. page 108 line 35. 3. Clause 33.2.8.1 page 110 line 25. 4. Clause 33.2.8.1 page 110 line 32. 5. Annex 33B.4 title page 240 line 35. 6. Annex 33B.4 page 240 lines 36.
To: "Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" proposed Response Response Status O	7. Annex 33B.4 page 240 lines 38 to 39, two locations.Proposed ResponseResponse StatusO
"Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" roposed Response Response Status O	
"Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" roposed Response Response Status O 1 33 SC 33.2.8.4 P 106 L 24 # 216	Proposed Response Response Status O Cl 33 SC 33.2.8.5 P 110 L 4 # 218
"Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" oposed Response Response Status O 33 SC 33.2.8.4 P 106 L 24 # 216 arshan, Yair Microsemi omment Type ER Comment Status X The word total is not required here. Normally we use "total" when we mean to sum of	Proposed Response Response Status O Cl 33 SC 33.2.8.5 P 110 L 4 # 218 Darshan, Yair Microsemi
"Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" roposed Response Response Status O / 33 SC 33.2.8.4 P 106 L 24 # 216 arshan, Yair Microsemi omment Type ER Comment Status X	Proposed Response Response Status O Cl 33 SC 33.2.8.5 P 110 L 4 # 218 Darshan, Yair Microsemi Comment Type T Comment Status X The following text "The minimum value of Ilnrush-2P includes the effect of end to end pair
"Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" troposed Response Response Status O 2/33 SC 33.2.8.4 P 106 L 24 # 216 arshan, Yair Microsemi comment Type ER Comment Status X The word total is not required here. Normally we use "total" when we mean to sum of	Proposed Response Response Status O Cl 33 SC 33.2.8.5 P 110 L 4 # 218 Darshan, Yair Microsemi Comment Type T Comment Status X The following text "The minimum value of Illnrush-2P includes the effect of end to end pair to pair resistance unbalance." is correct when operating over 4-pairs. SuggestedRemedy Change from: "The minimum value of Ilnrush-2P includes the effect of end to end pair to pair resistance unbalance." To: "The minimum value of Ilnrush-2P includes the effect of end to end pair to pair resistance
"Ipeak_max is the maximum value of Ipeak derived from Equation (33-9)" Proposed Response Response Status O 27 33 SC 33.2.8.4 P 106 L 24 # 216 Provide the state of	Proposed Response Response Status O Cl 33 SC 33.2.8.5 P 110 L 4 # 218 Darshan, Yair Microsemi Comment Type T Comment Status X The following text "The minimum value of Illnrush-2P includes the effect of end to end pair to pair resistance unbalance." is correct when operating over 4-pairs. SuggestedRemedy Change from: "The minimum value of Illnrush-2P includes the effect of end to pair resistance unbalance." To: To:

C/ 33 SC 33.2.8.4 <i>P</i> 107 <i>L</i> 43 # 219 Darshan, Yair Microsemi	C/ 33 SC 33.3.8.4 P 149 L 17 # 221 Darshan, Yair Microsemi
omment Type TR Comment Status X	Comment Type TR Comment Status X
In Rchan-2P definition for Equation 33-11, it will help to define the operating range of Rchan-2P especially the minimum value. SuggestedRemedy Change from:	The dual-signature part of Figure 33-36 is presenting a dual signature with two completely isolated circuits (loads) connected to mode A and mode B and showing total capacitance Cx+Cy as seen by the PSE. However dual signature PDs may be implemented in different ways e.g. using single load at POWER_ON state which result with lower than Cx+Cy value.
"where RChan-2P is the channel DC loop resistance per pairset, as defined in 33.1.3"	SuggestedRemedy
To: "where RChan-2P is the channel DC loop resistance per pairset, as defined in 33.1.3. Rchan-2P operating range for Equation 33-11 is from 0.2 ohm to 12.5 ohm." Proposed Response Response Status O	Add the following note below Figure 33-36: "The dual-signature part of Figure 33-36 is presenting a dual signature with two completely isolated circuits (loads) connected to mode A and mode B and showing total capacitance Cx+Cy as seen by the PSE. However dual signature PDs may be implemented in different ways e.g. using single load at POWER_ON state which result with lower than Cx+Cy value." Proposed Response Response Status O
33 SC 33.2.8.4 <i>P</i> 108 <i>L</i> 2 # 220 arshan, Yair Microsemi	C/ 33 SC 33.3.8.10 P155 L 46 # 222
omment Type TR Comment Status X	Darshan, Yair Microsemi
Error in Equation 33-13 lines 7 and 8. This is a calculation of Ipeak-2P therefore Rchan-2P should be used and not Rchan. Same applies to line 18. <i>uggestedRemedy</i> 1. Change from Rchan to Rchan-2P in Equation 33-13 line 7. 2. Change from Rchan to Rchan-2P in Equation 33-13 line 8. 3. Change from Rchan to Rchan-2P in "where" list Equation 33-13 line 17.	 Comment Type TR Comment Status X (See darshan_07_0916.pdf page 4 for editing marks on 33A.5.) Annex 33A.5 needs updates: 1. Equation 33A-4 was not implemented correctly. It was written in reverse order. 2. Some text clarification was missing. 3. Figure 33A-4 was update for editorials and missing information.
Proposed Response Response Status O	SuggestedRemedy See page 4 in darshan_07_0916.pdf for proposed remedy.

Proposed Response Response Status **0**

C/ 33 SC 33.2.5.12 P 87 L 11 # 223	Cl 33 SC 33.2.5.12 P 86 L 25 # 225
Darshan, Yair Microsemi	Darshan, Yair Microsemi
Comment Type T Comment Status X	Comment Type TR Comment Status X
Figure 33-19. There is a typo in the exit from CLASS_EV1_LCE_PRI to MARK_EV1_PRI: It is class_4PID_mult_events_pri and not cls_4PID_mult_events_pri.	See darshan_01_0916.pdf for reference. The exit from CLASS_EV3 to MARK_EV3.
SuggestedRemedy	Missing "(" in "PSE_avail_power=5)".
Change from:	SuggestedRemedy
cls_4PID_mult_events_pri To: class_4PID_mult_events_pri	Change from: tcle3_timer_done * ((mr_pd_class_detected NE 4) * ((mr_pd_class_detected=0) + pse_avail_pwr>5)))
Proposed Response Response Status O	To: tcle3_timer_done * ((mr_pd_class_detected NE 4) * ((mr_pd_class_detected=0) + (pse_avail_pwr>5)))
C/ 33 SC 33.2.5.12 P 88 L 10 # 224 Darshan, Yair Microsemi	Proposed Response Response Status O
Comment Type T Comment Status X	
Figure 33-20. There is a typo in the exit from CLASS_EV1_LCE_SEC to MARK_EV1_SEC: It is class_4PID_mult_events_sec and not cls_4PID_mult_events_sec.	C/ 33 SC 33.2.5.12 P 88 L 46 # 226 Darshan, Yair Microsemi
SuggestedRemedy	Comment Type T Comment Status X
Change from: cls_4PID_mult_events_sec To: class_4PID_mult_events_sec	This is SEC ALTERNATIVE state machine so the exits marked "I" should be "K". SuggestedRemedy
Proposed Response Response Status O	Change from "I" to "K".
	Proposed Response Response Status O
	Cl 33 SC 33.3.3.12 P 130 L 24 # 227
	Darshan, Yair Microsemi
	Comment Type TR Comment Status X
	Dual-signature state machine need to be updated to support DLL. See darshan_09_0916.pdf.
	SuggestedRemedy
	See darshan_05_0916.pdf for proposed remedy.

CI 33 SC 33A.5 P 234 L 28 # 228 Darshan, Yair Microsemi	C/ 33 SC 33.2.5.12 P 84 L 9 # 230 Darshan, Yair Microsemi
Comment Type E Comment Status X (See page 4 in darshan_07_0916.pdf for editing marks)	Comment Type TR Comment Status X In the exit from IDLE_SEC to START_DETECT_SEC it looks like the state machine will not
Figure 33A-4 in Annex 33A.5 contains the resistors R1, R2, R3 and R4 that their index	progress if pwr_app_pri=0 since the exit is valid if !pwr_app_sec*pwr_app_pri.
numbers should be subscripted as in their equations in page 235 lines 3-7.	If the PD is dual-sig that accept power over 4-pairs then we should get to
SuggestedRemedy	START_DETECT_SEC even if pwr_app_pri=0
(See page 4 in darshan_07_0916.pdf for editing marks) In Figure 33A-4, subscript the index number of R1, R2, R3 and R4.	SuggestedRemedy
Proposed Response Response Status O	 Group to explain the intent. Add "Editor Note: Correct the state machine to allow progress from IDLE_SEC to START_DETECT_SEC regardless if there is power in primary pairs."
	Proposed Response Response Status O
C/ 33 SC 33A.5 P 234 L 21 # 229	
Darshan, Yair Microsemi	C/ 33 SC Annex 33C P 241 L 14 # 231
Comment Type TR Comment Status X	Darshan, Yair Microsemi
(See page 4 in darshan_07_0916.pdf for editing marks) In the following text:	Comment Type TR Comment Status X
"RPair_PD_max and RPair_ PD_min represent PD common mode input effective impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage. Veff. pd, p, divided by the current through the path as described below and as	Annex 33c objective is to supply informative data regarding the timing relationships between detection and connection check as function of CC_DET_SEQ variable options.
 impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." 1. Mixed use of "resistance" and "impedance". Use only resistance for contintency. 2. The common mode effective resistance is not sufficiently defined as done for Rsource (PSE) in 33.3.8.10. Only how to measure it is defined. 	between detection and connection check as function of CC_DET_SEQ variable options. After reviewing it, it seems to supply also information regarding if classification must be done in parallel when dual-signature PD is detected and Class_4PID_mult_events_sec is TRUE which is not necessarily correct. Staggered classification can be done regardless if it is single or dual signature PD and staggered classification can be done regardless if it is Class_4PID_mult_events_sec is TRUE or FALSE. In addition, in all drawings, PWRUP starts at the same time while in dual-signature or even
 impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." 1. Mixed use of "resistance" and "impedance". Use only resistance for contintency. 2. The common mode effective resistance is not sufficiently defined as done for Rsource (PSE) in 33.3.8.10. Only how to measure it is defined. SuggestedRemedy (See page 4 in darshan_07_0916.pdf for editing marks) Chane lines 21-24 from: 	 between detection and connection check as function of CC_DET_SEQ variable options. After reviewing it, it seems to supply also information regarding if classification must be done in parallel when dual-signature PD is detected and Class_4PID_mult_events_sec is TRUE which is not necessarily correct. Staggered classification can be done regardless if it is single or dual signature PD and staggered classification can be done regardless if it is Class_4PID_mult_events_sec is TRUE or FALSE. In addition, in all drawings, PWRUP starts at the same time while in dual-signature or even single signature, PWR_UP can be done in different times.
 impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." 1. Mixed use of "resistance" and "impedance". Use only resistance for contintency. 2. The common mode effective resistance is not sufficiently defined as done for Rsource (PSE) in 33.3.8.10. Only how to measure it is defined. SuggestedRemedy (See page 4 in darshan_07_0916.pdf for editing marks) 	between detection and connection check as function of CC_DET_SEQ variable options. After reviewing it, it seems to supply also information regarding if classification must be done in parallel when dual-signature PD is detected and Class_4PID_mult_events_sec is TRUE which is not necessarily correct. Staggered classification can be done regardless if it is single or dual signature PD and staggered classification can be done regardless if it is Class_4PID_mult_events_sec is TRUE or FALSE. In addition, in all drawings, PWRUP starts at the same time while in dual-signature or even
 impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." 1. Mixed use of "resistance" and "impedance". Use only resistance for contintency. 2. The common mode effective resistance is not sufficiently defined as done for Rsource (PSE) in 33.3.8.10. Only how to measure it is defined. SuggestedRemedy (See page 4 in darshan_07_0916.pdf for editing marks) Chane lines 21-24 from: "RPair_PD_max and RPair_PD_min represent PD common mode input effective impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." To: "RPair_PD_max and RPair_ PD_min represent PD common mode input effective 	 between detection and connection check as function of CC_DET_SEQ variable options. After reviewing it, it seems to supply also information regarding if classification must be done in parallel when dual-signature PD is detected and Class_4PID_mult_events_sec is TRUE which is not necessarily correct. Staggered classification can be done regardless if it is single or dual signature PD and staggered classification can be done regardless if it is Class_4PID_mult_events_sec is TRUE or FALSE. In addition, in all drawings, PWRUP starts at the same time while in dual-signature or even single signature, PWR_UP can be done in different times. SuggestedRemedy
 impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." 1. Mixed use of "resistance" and "impedance". Use only resistance for contintency. 2. The common mode effective resistance is not sufficiently defined as done for Rsource (PSE) in 33.3.8.10. Only how to measure it is defined. SuggestedRemedy (See page 4 in darshan_07_0916.pdf for editing marks) Chane lines 21-24 from: "RPair_PD_max and RPair_ PD_min represent PD common mode input effective impedance of pairs of the same polarity. The effective resistance Rn is the measured voltage Veff_pd_n, divided by the current through the path as described below and as shown in the example in Figure 33A-4, where n is the pair number." To: 	 between detection and connection check as function of CC_DET_SEQ variable options. After reviewing it, it seems to supply also information regarding if classification must be done in parallel when dual-signature PD is detected and Class_4PID_mult_events_sec is TRUE which is not necessarily correct. Staggered classification can be done regardless if it is single or dual signature PD and staggered classification can be done regardless if it is Class_4PID_mult_events_sec is TRUE or FALSE. In addition, in all drawings, PWRUP starts at the same time while in dual-signature or even single signature, PWR_UP can be done in different times. SuggestedRemedy Update drawing to address the following points: a)In dual-signature classification can be done in parallel or in staggered way. See example in figure 33C-2, 33C-5 that classification is in parallel and cab ne also staggered. Or add note saying "The drawing show one option to classification and POWER_ON timing. Staggered classification and POWER_ON can be done."

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 33 SC 79.3.2.6 Darshan, Yair	d P 217 Microsemi	L 19	# 232	C/ 33 Darshan, Ya	SC 33.2.5.9 ir	P 70 Microsemi	L 54	# 234
maximum power cons In addition Table 7960 I believe the definition	t tries to specify some "handsh s are incomplete and may cau initiating the request for new A equence? r?	ak" parameters se issues.		"pd_dll_ A contro indicate: Type of Values: 1: PD is 2: PD is 3: PD is	nature PDs are power_type I variable outpu s the PD as advertise a Type 1 PD (c a Type 2 PD a Type 3 PD a Type 4 PD"	Comment Status X missing in the list: It by the PSE power control s ed through Data Link Layer c lefault)	U V	gure 33–49) that
SuggestedRemedy Add "Editor Note: The Autoclass measurem Proposed Response	timing and state flow is missir ents. Response Status O P 220	ng for the case v	when triggering new	A contro indicate Type of Values: 1: PD is 2: PD is	power_type I variable outpu s the	t by the PSE power control s ed through Data Link Layer c lefault)	U	gure 33–49) that
	ed to be for pairset A and B se are dual load will have different		urate measurement.	4: PD is 5: PD is	a Type 4 PD a Type 4 dual-s a Type 4 dual-s			
SuggestedRemedy Add "Editor Note: Spl	t Table 79-6f to Mode A and M	ode B to have s	eparate field."					
Proposed Response	Response Status O							

C/ 33 SC 33.2.5.9 P 110 L 51 # 235	C/ 33 SC 79 P 208 L 2 # 237
Darshan, Yair Microsemi	Darshan, Yair Microsemi
Comment Type TR Comment Status X The text: "The right side vertical axis in Figure 33–28 and Figure 33–29 applies to Type 3 and Type 4 PSEs that supply power to a single-signature PD over 4-pair."	Comment Type TR Comment Status X If PSE issues only single class event due to power limitations, it can't know what is the PD physical advertised class. At this point nobody has this information.
is not accurate and confusing.	Now if PSE has the power budget, and PD wants for more through DLL to increase power, he can't do it since DLL do not have the physical PD class.
SuggestedRemedy	As a result, we need to add to TLVs information, the PD physical class requirements.
Change from: "The right side vertical axis in Figure 33–28 and Figure 33–29 applies to Type 3 and Type 4 PSEs that supply power to a single-signature PD over 4-pair."	SuggestedRemedy Add in clause 79: "Editor Note: If TLVs doesnt contain information regarding the PD physical advertized class, to add it."
To: "The left side vertical axis in Figure 33–28 and Figure 33–29 applies to Type 3 and Type 4 PSEs that supply power over each pairset to a single-signature PD and dual-signature PD. The right side vertical axis in Figure 33–28 and Figure 33–29 indicates the total current when Type 3 and Type 4 PSEs supply power to a single-signature PD over 4-pair."	Proposed Response Response Status O Cl 33 SC 33.2.5.12 P 82 L 10 # 238 Darshan, Yair Microsemi
Proposed Response Response Status O C/ 33 SC 33.2.5.9 P 64 L 41 # 236 Darshan, Yair Microsemi	Comment Type TR Comment Status X In the exit from IDLE_PRI to START_DETECT_PRI it looks like the state machine will not progress if pwr_app_sec=0 since the exit is valid if !pwr_app_pri*pwr_app_sec. If the PD is dual-sig that accept power over 4-pairs then we should get to START_DETECT_PRI even if pwr_app_sec=0
Comment Type TR Comment Status X	SuggestedRemedy
To add optional variable that indicates that the MPS pulse is missing due to PSE dv/dt activity or it was added due to PSE dv/dt activity. When this bit is activated, it is up to the PSE if to maintain power or disconnect per the	 Group to explain the intent. Add "Editor Note: Correct the state machine to allow progress from IDLE_PRI to START_DETECT_PRI regardless if there is power in primary pairs."
additional information that the PSE has.	Proposed Response Response Status O
SuggestedRemedy 1. Add the following variable: opt_short_mps_distored This optional variable is used to tell the PSE system to decide what action to take if short MPS pulse was damaged due to PSE dv/dt. Values	
 0: MPS pulse is not affected by PSE dv/dt. PSE shall meet the MPS rules in 33.2.10.1.2. 1: MPSE pulse is missing due to PSE dv/dt. PSE may maintain power. 2: MPS pulse was added due to PSE dv/dt. PSE may remove power. 	

2: MPS pulse was added due to PSE dv/dt. PSE may remove power.

2. Updates for PSE SM will be supplied for next meeting.

Proposed Response Response Status **0**

CI 33										
Darshan, Ya	SC 33.6 air	P 177 Microsemi	L 40	# 239	<i>CI</i> 33 Darshan, Y	SC 33.3.8.10 air	P 1 Micro		L 40	# 242
omment T	vpe TR	Comment Status X			Comment 7	Гуре Е	Comment Status	х		
-		ingle signature state machin	e is not complete a	and contradicts DLL		51	e 33-39. Need to be			
	management i ain issues are:	in clause 33.6.			Suggestedl	-				
1. Figur pse_dll_	re 33-50 is not _power_level	t supporting Type 3 and Typ and pse_dll_power_type)				e from "Figure 33 gure 33-40".	3-39"			
2. Dupli SuggestedR		s used in 33.6 and 33.3.3.7	e.g pse_dll_power	_level)	Proposed F	Response	Response Status	0		
Add "Ed The follo 1. Figur pse_dll_	ditor Note: cla lowing issues re 33-50 is no _power_level	use 33.6 and 33.3.3.7 need need to be adressed: t supporting Type 3 and Typ and pse_dll_power_type) s used in 33.6 and 33.3.3.7	e 4 single-signatur							
Proposed R	Response	Response Status O								
Darshan, Ya		Microsemi	L 5	# 240						
Darshan, Ya Comment Ty 'class_n To clarif values?	air <i>Type</i> T num_events_p fy th ereason ?).	Microsemi Comment Status X pri' have only options of 1,2, for differences. (is it becaus	events but Table class_num_ever	33-7 says 1,2,3 and 4. hts_pri is maximum						
Darshan, Ya Comment Ty 'class_n To clarif values? Same c SuggestedF	air <i>Type</i> T num_events_p (fy th ereason). comment for p	Microsemi <i>Comment Status</i> X pri' have only options of 1,2,	events but Table class_num_ever	33-7 says 1,2,3 and 4. hts_pri is maximum						
Darshan, Ya Comment Tj 'class_n To clarif values? Same c SuggestedR Group to	air <i>Type</i> T num_events_p ify th ereason ?). comment for p Remedy to clarify.	Microsemi Comment Status X pri' have only options of 1,2, for differences. (is it becaus	events but Table class_num_ever	33-7 says 1,2,3 and 4. hts_pri is maximum						
Darshan, Ya Comment Tj 'class_n To clarif values? Same c SuggestedR Group tr Proposed R	air <i>Type</i> T num_events_f fy th ereason by comment for p <i>Remedy</i> to clarify. <i>Response</i> SC 33.3.8 .4	Microsemi Comment Status X pri' have only options of 1,2, for differences. (is it becaus page 66 line 15 regarding 'cla Response Status O	events but Table class_num_ever	33-7 says 1,2,3 and 4. hts_pri is maximum						
Darshan, Ya Comment Tj 'class_n To clarif values? Same c SuggestedR Group to Proposed R CI 33 Darshan, Ya Comment Tj	air <i>Type</i> T num_events_p ify th ereason ?). comment for p Remedy to clarify. Response SC 33.3.8. air <i>Type</i> E	Microsemi <i>Comment Status</i> X pri' have only options of 1,2, for differences. (is it becaus page 66 line 15 regarding 'cla <i>Response Status</i> 0 10 <i>P</i> 155	e events but Table e class_num_ever ss_num_events_s	33-7 says 1,2,3 and 4. hts_pri is maximum sec'						
To clarif values? Same c SuggestedF Group to Proposed R Cl 33 Darshan, Ya Comment Ty Error in SuggestedF Change	air <i>Type</i> T hum_events_f fy th ereason by comment for p <i>Remedy</i> to clarify. <i>Response</i> <i>SC</i> 33.3.8. air <i>Type</i> E the link to Fig	Microsemi <i>Comment Status</i> X pri' have only options of 1,2, for differences. (is it becaus page 66 line 15 regarding 'cla <i>Response Status</i> O 10 <i>P</i> 155 Microsemi <i>Comment Status</i> X gure 33-39. Need to be 33-4	e events but Table e class_num_ever ss_num_events_s	33-7 says 1,2,3 and 4. hts_pri is maximum sec'						

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

33 SC 33.3.8.10 P 155 L 42 # 243	C/ 33 SC 33.3.8.10 P 156 L 9 # 244
In the text:	Darshan, Yair Microsemi Comment Type TR Comment Status X See darshan_04_0916.pdf for the correct drawing.
"Rsource_min and Rsource_max represent the Vin source common mode effective resistance that consists of the PSE PI components (RPSE_min and RPSE_max as specified in 33.2.8.4.1, VPort_PSE_diff as specified in Table 33–17 and the channel resistance). Common mode effective resistance is the resistance of two conductors of same pair and their other components connected in parallel including the effect of VPort_PSE_diff. IA and IB are the pair currents of pairs with the same polarity. See An 33A.5 for design guide lines for meeting the above requirements."	In figure 33-40, all Resistors are marked as Rsource_max which is incorrect. It should start with Rsource_min from top, and then Rsource_max, Rsource_min and Rsource_max in this order. See darshan_04_0916.pdf for the correct drawing.
There is some missing information that clarifies the text and some reduntant information	
rggestedRemedy Change from:	
"Rsource_min and Rsource_max represent the Vin source common mode effective	C/ 33 SC 33.3.8.10 P 156 L 17 # 245 Darshan, Yair Microsemi
resistance that consists of the PSE PI components (RPSE_min and RPSE_max as	
specified in 33.2.8.4.1, VPort_PSE_diff as specified in Table 33–17 and the channel resistance). Common mode effective resistance is the resistance of two conductors of	Comment Type E Comment Status X
same pair and their other components connected in parallel including the effect of VPort_PSE_diff. IA and IB are the pair currents of pairs with the same polarity. See An	"Figure 33-40-PD PI pair-to-pair current unbalance test setup"
33A.5 for design guide lines for meeting the above requirements."	SuggestedRemedy
Т0:	Change from: "Figure 33-40-PD PI pair-to-pair current unbalance test setup"
"Rsource_min and Rsource_max represent the Vin source common mode effective	To: "Figure 33-40-PD PI pair-to-pair current unbalance test model"
resistance that consists of the PSE PI components (RPSE_min and RPSE_max as specified in 33.2.8.4.1, VPort_PSE_diff as specified in Table 33-17, channel resistance and RPAIR_PD_min, RPAIR_PD_max specified in 33A.5. See Annex D for derivation Rsource min and Rsource max. Common mode effective resistance is the resistance	Proposed Response Response Status O
two conductors of the same pair and their other components (that are forming Rsource connected in parallel including the effect of the system total pair to pair voltage differer IA and IB are the pair currents of pairs with the same polarity."	C/ 33 SC 33.3.8.10 P 156 L 19 # 246 Darshan, Yair Microsemi
oposed Response Response Status O	Comment Type E Comment Status X
	The words "test setup" can be improved in by replacing it to "test model":
	"NOTE 1—Rsource includes test setup plug resistance Rcon. The maximum recommended Rcon value is 0.02 ohm however it is test setup implementation specific choice how to meet Rsource_min and Rsource_max.
	SuggestedRemedy
	Change from: "test setup" To: "test model"
	Proposed Response Response Status O

arshan, Yair Microsemi ormnent Type TR Comment Status X Table 79-6b System setup value field bit 1: This in clear that the function PD load value/meaning is relevant to dual-signature PD only, add the following to bit 1 "value/meaning" column: This is defaured. X Comment Status X Independence Comment Status X Comment Status X Comment Status X Interviewed bit 1 value/meaning" column: This is defaured. This is defaured. This is defaured. This is defaured. Comment Status X Introduced bit 1 value/meaning: This is defaured. This is d										
comment Type TR Comment Status X Table 79-6b System setup value field bit 1: its in ot clear that the function PD load value/meaning is relevant to dual-signature PD only. uggested/Remedy Add the following to bit 1 'value/meaning' column: ''value/meaning' column: ''note: This bit s relevant to dual-signature PD only and has no meaning when single-signature PD is used.'' Comment Type TR Comment Type Comment Type<	CI 79 SC 79	P 216	L 26	# 247	C/ 33	SC 33.2.8.5	ŀ	^{>} 109	L 43	# 249
Table 79-6b System setup value field bit 1: It is not clear that the function PD load value/meaning is relevant to dual-signature PD only. <i>Add the following to bit 1 Value/meaning" column:</i> 'Note: This bit is relevant to dual-signature PD only and has no meaning when single- signature PD is used.'' <i>Typosed Response Response Status</i> O <i>P 216 L 29</i> # 248 <i>arshan, Yair Microsemi</i> <i>omment Type</i> TR <i>Comment Status</i> X <i>Comment Status</i> X <i>Comment Status</i> X <i>Comment Status</i> X <i>Comment Trable 79-6b System setup value field bit 0, value/meaning: 1 = PD requested power applies to Mode A pairset <i>D</i> = PD requested power applies to Mode A pairset <i>D</i> = PD requested power applies to Mode A pairset or Mode B pairset <i>Lowered bits</i> to indicate and for Mode A pairset or Mode B pairset <i>Lowered bits</i> to indicate and to find edual-signature PD o. Use bits 7:4. <i>Lowered bits</i> to indicate and two Mode A anistest power applies in Mode A pairset or Mode B pairset <i>Lowered bits</i> to indicate and two Mode A fairset or Mode B pairset <i>Lowered bits</i> to indicate and the 'single-signature PD. Use bits 7:4. <i>Lowered bits</i> to indicate and the 'single-signature PD or Single-signature PD. Use bits 7:4. <i>Lowered bits</i> to indicate and Mode B and A+B. when Mode A A and B are used, Total <i>xape Trage 79-bits</i> to Made A and Mode A and A hare used A and Mode A and A hare used A the 'single-signature TDP. <i>X</i> <i>See updated since all the parts of air to pair the see there to pairset simultaneously.</i> <i>Lower of the trage 75-bits</i> to Mode A and Mode B and A+B. when Mode A A and B are used, Total <i>xape Trage 79-bits</i> to Made A and Mode A and A hare used A A and Mode A and A hare used A A and Mode A and A hare used, Total <i>xape Trage 79-bits Made A A and Mode A and A hare</i>. When Mode A A and B are used, Total <i>xape Trage 75-bits Made A A and Mode A A and Made A and A hare used</i>, Total <i>xape Trage 75-bits Made A A and Mode A A and Made A and B are used</i>, Total <i>xape Trage 75-bits Made A A A Made</i>. When </i>	Darshan, Yair	Microsemi			Darshan, Y	air	Mic	crosemi		
It is not clear that the function PD load value/meaning is relevant to dual-signature PD only. <i>uggestedRemedy</i> Add the following to bit 1 'value/meaning' column: "Note: This bit is relevant to dual-signature PD only and has no meaning when single- signature PD is used." <i>roposed Response Response Status</i> 0 <i>P</i> 216 <i>L</i> 29 <i>#</i> 248 <i>roposed Response Response Status</i> X <i>Comment Type</i> TR <i>Comment Status</i> X <i>Comment Type</i> Comment Status X <i>Comment Type</i> Context apprecision for out sparset simultaneously. <i>1.1tl looks that this bit covers operation is not covered</i> <i>Lodu additional bit ts</i> indicate dual-signature PD or Single-signature PD. Use bits 7:4 <i>reserved bits</i> to indicate: <i>-Dual-signature Type</i> 3 (use reserved codes "1011"). <i>-Dual-signature Type</i> 4 (use reserved codes "1011"). <i>-Dual-signature Type</i> 4 (use reserved codes "1011"). <i>-Dual-signature Type</i> 1 (use	Comment Type TR	Comment Status X			Comment	Type TR	Comment Stat	us X		
uggested/remedy Add the following to bit 1 "value/meaning" column: "Note: This bit is relevant to dual-signature PD only and has no meaning when single-signature PD is used." <i>rapposed Response Response Status</i> 0 // 79 SC 79 P 216 L 29 # [248] <i>rannent Type</i> TR <i>Comment Status</i> O Table 79-6b System setup value field bit 0, value/meaning: 1 - P requested power applies to Mode A pairset O 0 = PD requested power applies to Mode A pairset O Comment Status X Comment Status X 1. System wise we need to know WITHIN single transaction what is the PD requested power applies to Mode A pairset or Mode B pairset is multaneously. 1.11 looks that this bit covered Xuggested/Remedy 1. Add additional bit's to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate: Node A pairset and for Mode B pairset is requested power applies to Mode A pairset or Mode B and A+B, when Mode A and B are used, Total value is set to zero. None XD content was reviewed many times in the original contribution (see the value field bit of A+A+B, when Mode A and B are used, Total value is set to zero. 1. Add additional bit's to indicate Year Year Year Year Year Year Year Year			g is relevant to c	lual-signature PD only.	darsha	n_02_0916.pdf	insted darshan_01	_0716.pdf fi	rom July which i	ts base line is the
Add the following to bit 1 "value/meaning" column: "Note: This bit selevant to dual-signature PD only and has no meaning when single-signature PD is used." <i>incposed Response Response Status</i> 0 <i>int 1 Response Status</i> 1 9 2 79 2 1 <i>int 1 Microsemi comment Type</i> TR Comment Table 79-6b System setup value field bit 0, value/meaning: <i>Particol 1</i> 1 = PD requested power applies to Mode A pairset 0 0 = PD requested power applies to Mode B pairset 0 1 System wise we need to know WITHIN single transaction what is the PD requested power for Mode B pairset simultaneously. 1 1.11 looks that this bit coverso sporation on 2-pairs only. 2 1.20 zerted Remedy Annex D is needed since all the parts of pair to pair unbalance are spread all over the spearal to to zoo. 1.3. Update Figure 79-3, PD requested power avel codes "1011"). -Dual-signature PD or Single-signature PD or Use VIS (2-signature PD or Single-signature PD or Single-signature PD or Single-signature Type X PD" 2. Sulf Table 79-5 to Mode A and Mode B and A+B, when Mode A and B are used, Total wales is errowed to to zoo. 3. Update Figure 79-3, PD requested power value for the tinal number of octects 	SuggestedRemedy					,			0	s to "Imax" in few
See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy See updated version of it (baseline was not changed) in darshan_02_0916.pdf. SuggestedRemedy SuggestedRemedy Adopt darshan_06_0916.pdf) SuggestedRemedy Annex 3D difficute to pair related. This Annex is missing and should be added as planned. Annex D is needed since all the parts of pair to pair related. This Annex is missing and should be added as planned. Annex D is needed since all the parts of pair to pair related. This Annex is missing and should be added as planned. Annex D is needed since all the parts of pair to pair unbalance are spread all over the spe and it is hard to see the whole picture. SuggestedRemedy Add additional bits to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate. -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type	"Note: This bit is relev	ant to dual-signature PD only a	and has no mear	ning when single-	Equation Equation	on 33-15 can b ww.ieee802.or	e simplified per the g/3/bt/public/jul16/d	work done i arshan_01_	n	as accepted according
179 SC 79 P216 L29 # [248] Addopt darshan_02_0916.pdf for D2.0. arshan, Yair Microsemi ormment Type TR Comment Status X Comment Table 79-6b System setup value field bit 0, value/meaning: Porquested power applies to Mode A pairset 0 = PD requested power applies to Mode B pairset Microsemi Cl 33 SC Annex 33B P237 L16 # [250] Darshan, Yair Microsemi Microsemi Microsemi Comment Type TR Comments 1.System wise we need to know WITHIN single transaction what is the PD requested power for Mode A pairset and for Mode B pairset simultaneously. (See darshan_06_0916.pdf) Annex 33B directs the reader to Annex 33D to find important informative data to how Rload_min/max where derived and other parts that are pair to pair related. This Annex is missing and should be added as planned. 1.34-pairs operation is not covered Annex D is needed since all the parts of pair to pair unbalance are spread all over the spean and it is hard to see the whole picture. I find it very useful to have short summary that shout the sole speared (use reserved codes "1011"). -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1010"). -Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Tot	Proposed Response	Response Status O) in darshan_02	_0916.pdf.
arshan, Yair Microsemi omment Type TR Comment Status X Comment Table 79-6b System setup value field bit 0, value/meaning: 1 = PD requested power applies to Mode A pairset 0 = PD requested power applies to Mode B pairset Microsemi 0. System wise we need to know WITHIN single transaction what is the PD requested power applies to Mode B pairset simultaneously. 1.11 tooks that this bit covers operation on 2-pairs only. 1.2Currently it says that "PD requested power applies to Mode A pairsets requested power are. 0.34-pairs operation is not covered urggestedRemedy 1. Add additional bit's to indicate 0.0000 Single-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate: 0.0000 Single-signature Type 4 (use reserved codes "101"). -Dual-signature Type 3 and 4 PDs in bits 7:4: add the "single-signature Type x PD" 2. Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. 3. Update Figure 79-3, PD requested power value for the final number of octects .					Suggested	Remedy				
 The problems are: 1. System vise we need to know WITHIN single transaction what is the PD requested power applies to Mode B pairset Der proguested power applies to Mode B pairset The problems are: 1. System vise we need to know WITHIN single transaction what is the PD requested power applies to Mode B pairset and for Mode B pairset involvement Status X (See darshan_06_0916.pdf) Annex 33B directs the reader to Annex 33D to find important informative data to how Rload_min/max where derived and other parts that are pair to pair related. This Annex is insing and should be added as planned. And additional bit/s to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate: -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 5 to Mode A and Mode B and A+B, when Mode A and B are used, Total value is set to zero. 3. Update Figure 79-3, PD requested power value for the final number of octects . 	C/79 SC 79	P 216	L 29	# 248	Addopt	darshan_02_0	916.pdf for D2.0.			
Comment Table 79-6b System setup value field bit 0, value/meaning: 1 = PD requested power applies to Mode A pairset 0 = PD requested power applies to Mode B pairset The problems are: 1. System wise we need to know WITHIN single transaction what is the PD requested power for Mode A pairset and for Mode B pairset simultaneously. 1.11t looks that this bit covers operation on 2-pairs only. 1.2Currently it says that 'PD requested power applies to Mode A pairset or Mode B pairset but no information about what both pairsets requested power are. 1.34-pairs operation is not covered uggestedRemedy 1. Add additional bits to indicate: -Dual-signature Type 4 (use reserved codes "1011"). -Dual-signature Type 5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. 3. Update Figure 79-3, PD requested power value for the final number of cotects . C/ 33 SC Annex 33B (P 237 L 16 # [250] Darshan, Yair Microsemi Comment Type TR Comment Status X (See darshan_06_0916.pdf) Annex 3B directs the reader to Annex 33D to find important informative data to how Rload_min/max where derived and other parts that are pair to pair unbalance are spread all over the spen and it is hard to see the whole picture. I find it very useful to have short summary that short the whole spec explained in short in 1.5 pages and it was planned to be there long time ago. Annex 2 content was reviewed many times in the original contribution (see the reference at the end) and base on it, the whole spec was built. SuggestedRemedy See proposed remedy in darshan_06_0916.pdf for Annex D. Proposed Response Response Status O	Darshan, Yair	Microsemi			Proposed F	Response	Response Statu	is O		
Table 79-6b System setup value field bit 0, value/meaning: 1 = PD requested power applies to Mode A pairset 0 = PD requested power applies to Mode B pairset Microsemi The problems are: C/ 33 SC Annex 33B P 237 L 16 # 250 1.System wise we need to know WITHIN single transaction what is the PD requested power for Mode A pairset and for Mode B pairset simultaneously. Microsemi 1.1It looks that this bit covers operation on 2-pairs only. C/ 33 SC Annex 33B P 237 L 16 # 250 1.2Currently it says that "PD requested power applies to Mode A pairset or Mode B pairset imultaneously. Microsemi Microsemi 1.3.2Currently it says that "PD requested power applies to Mode A pairset or Mode B pairset but no information about what both pairsets requested power are. Annex 0 is needed since all the parts of pair to pair unbalance are spread all over the spec and it is hard to see the whole picture. I find it very useful to have short summary that short to the spec explained in short in 1.5 pages and it was planned to be three long time ago. Annex D content was reviewed many times in the original contribution (see the reference at the end) and base on it, the whole spec was built. 9.Ual-signature Type 4 (use reserved codes "1011"). Suggested/Remedy 9.Supt Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. Response Status 0 3. Update Figure 79-3, PD requested power value for the final number of octects . Proposed Response Response Status 0	Comment Type TR	Comment Status X								
 1. System wise we need to know WITHIN single transaction what is the PD requested power for Mode A pairset and for Mode B pairset simultaneously. 1.11 looks that this bit covers operation on 2-pairs only. 1.2Currently it says that "PD requested power applies to Mode A pairset or Mode B pairset but no information about what both pairsets requested power are. 1.34-pairs operation is not covered <i>uggestedRemedy</i> 1. Add additional bit/s to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate: Dual-signature Type 3 (use reserved codes "1011"). Dual-signature Type 4 (use reserved codes "1011"). Dual-signature Type 3 use reserved codes "1011"). Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. Update Figure 79-3, PD requested power value for the final number of octects . 	Table 79-6b System s 1 = PD requested pow 0 = PD requested pow	ver applies to Mode A pairset	eaning:		Darshan, Y <i>Comment</i> 7	air Type TR	Mic Comment Stat	crosemi	L 16	# 250
but no information about what both pairsets requested power are. 1.34-pairs operation is not covered <i>uggestedRemedy</i> 1. Add additional bit/s to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate: -Dual-signature Type 3 (use reserved codes "1011"). -Dual-signature Type 3 (use reserved codes "1010"). -The other Type 3 and 4 PDs in bits 7:4: add the "single-signature Type x PD" 2. Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. 3. Update Figure 79-3, PD requested power value for the final number of octects .	1.System wise we nee power for Mode A pair 1.1It looks that this bit	set and for Mode B pairset sim covers operation on 2-pairs of	nultaneously. nly.		Ànnex Rload_	33B directs the min/max where	e reader to Annex 3 e derived and other	parts that a		
 Add additional bit/s to indicate dual-signature PD or Single-signature PD. Use bits 7:4 reserved bits to indicate: Dual-signature Type 3 (use reserved codes "1011"). Dual-signature Type 4 (use reserved codes "1010"). The other Type 3 and 4 PDs in bits 7:4: add the "single-signature Type x PD" Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. Update Figure 79-3, PD requested power value for the final number of octects . 	but no information abo 1.34-pairs operation is SuggestedRemedy	but what both pairsets requeste s not covered	ed power are.		and it is the who	s hard to see th ole spec explai	ne whole picture. I finned in short in 1.5 p	nd it very us ages and it	seful to have sho was planned to	ort summary that show be there long time
-Dual-signature Type 3 (use reserved codes "1011"). SuggestedRemedy -Dual-signature Type 4 (use reserved codes "1010"). See proposed remedy in darshan_06_0916.pdf for Annex D. -The other Type 3 and 4 PDs in bits 7:4: add the "single-signature Type x PD" See proposed remedy in darshan_06_0916.pdf for Annex D. 2. Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. Proposed Response Response Status O 3. Update Figure 79-3, PD requested power value for the final number of octects . SuggestedRemedy See proposed remedy in darshan_06_0916.pdf for Annex D.			or Single-signatu	re PD. Use bits 7:4						V
-The other Type 3 and 4 PDs in bits 7:4: add the "single-signature Type x PD" 2. Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. 3. Update Figure 79-3, PD requested power value for the final number of octects .	-Dual-signature Type 3	3 (use reserved codes "1011").			Suggested	Remedy				
 Split Table 79-5 to Mode A and Mode B and A+B. when Mode A and B are used, Total value is set to zero. Update Figure 79-3, PD requested power value for the final number of octects . 				ne v PD"	See pr	oposed remedy	/ in darshan_06_09	16.pdf for A	nnex D.	
roposed Response Response Status O	2. Split Table 79-5 to I value is set to zero.	Mode A and Mode B and A+B.	when Mode A a	nd B are used, Total	Proposed I	Response	Response Statu	ıs O		
	Proposed Response	Response Status O								

CI 33 SC 33.3.3.	.12 P 130	L 24	# 251	CI 33	SC A	Annex B		P 237	L 18	# 253
Darshan, Yair	Microsemi			Darshan, Y	Yair			Microsemi		
Comment Type TR	Comment Status X			Comment	Туре	TR	Comment S	tatus X		
(This comment corre remedy.)	ects similiar comment with error	in the file name	used for the proposed			s some up 07_0916.p		for editing ma	rked document.	
 Dual-signature state See darshan_09_09	machine need to be updated to 16.pdf.	support DLL.		Suggested See pi			in darshan_07	7_0916.pdf pa	iges 5-8 for editi	ng marked document
SuggestedRemedy				Proposed	Respons	se	Response St	tatus O		
See darshan_09_09	16.pdf for proposed remedy.									
Proposed Response	Response Status O			C/ 33 Darshan, N		3.2.5.12		P 86 Microsemi	L 22	# 254
C/ 33 SC 33B.4 Darshan, Yair	P 240 Microsemi	L 37	# 252	Comment The P	SE state			signature wh		now class code by
	Comment Status X entical to other comment in whic	ch only file name	was corrected.)	to gen	erate on	ly one fing	n doing class ro ger etc. ext but not in th			iower in which it heet
(This comment is ide 	entical to other comment in which in page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested wi	odf) for total channel o e unbalance cont resistance less t ith (Rload_min –	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and	to gen This is <i>Suggested</i>	erate on s covered dRemedy ne missir	ly one fing d by the te / ng state m	ger etc.	ne state mach darshan_08_	ine.	ower in which it heed
(This comment is ide 	entical to other comment in which in page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested wi n) to meet ICon-2P-unb requirer	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is <i>Suggested</i> Add th	erate on s covered dRemedy ne missir Respons SC 0	Ily one fing d by the te / ng state m se	ger etc. ext but not in th achine part in <i>Response</i> St	ne state mach darshan_08_	ine.	# 255
(This comment is ide 	entical to other comment in which in page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested wi n) to meet ICon-2P-unb requirer ation (33–14)."	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is Suggested Add th Proposed C/ 00 Klempa, M	erate on s covered dRemedy ne missir Respons SC (lichael	Ily one fing d by the te / ng state m se	ger etc. ext but not in th achine part in <i>Response</i> St	ne state mach darshan_08_i tatus O P UNH IOL	ine.	
(This comment is ide (See editing marks of "ICon_2P_unb and F resistance from 0.1 of When the PSE is tes ohm < Rchan < 0.1 of (Rload_max – Rchan conformance to Equ In the above text it is SuggestedRemedy (See editing marks of	entical to other comment in which in page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested wi n) to meet ICon-2P-unb requirer ation (33–14)."	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE from 0.2 ohm to 1	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is Suggested Add th Proposed C/ 00 Klempa, M Comment	erate on s covered dRemedy ne missir Respons SC (lichael Type	lly one fing d by the te ng state m se D E	ger etc. ext but not in th nachine part in <i>Response St</i>	ne state mach darshan_08_ tatus O P UNH IOL tatus X	0916.pdf. <i>L</i>	
(This comment is ide 	entical to other comment in which on page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested with n) to meet ICon-2P-unb requirer ation (33–14)." is about Rchan-2P which range f on page 8 in darshan_07_0916.p hm" with "0.2 ohm".	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE from 0.2 ohm to 1	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is Suggested Add th Proposed C/ 00 Klempa, M Comment Equati	erate on s covered dRemedy ne missir Respons SC 0 lichael Type ions are	lly one fing d by the te / ng state m se / E using "," i	ger etc. ext but not in the nachine part in <i>Response St</i> <i>Comment S</i> nstead of "." a	ne state mach darshan_08_i tatus O P UNH IOL tatus X ccording to th	ine. 0916.pdf. <i>L</i> e style guide:	
(This comment is ide 	entical to other comment in which on page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested with n) to meet ICon-2P-unb requirer ation (33–14)." is about Rchan-2P which range f on page 8 in darshan_07_0916.p hm" with "0.2 ohm".	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE from 0.2 ohm to 1	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is Suggested Add th Proposed C/ 00 Klempa, M Comment Equati "The c the	erate on s covered dRemedy ne missir Respons SC (lichael Type ions are decimal r ard in qu	lly one fing d by the te / ng state m se) E using "," i marker sh	ger etc. ext but not in the nachine part in <i>Response St</i> <i>Comment S</i> nstead of "." a ould be a dot c	ne state mach darshan_08_u tatus O UNH IOL tatus X ccording to th on the line (de	ine. 0916.pdf. <i>L</i> e style guide: cimal point). Thi	# 255
(This comment is ide 	entical to other comment in which on page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested wi n) to meet ICon-2P-unb requirer ation (33–14)." is about Rchan-2P which range f on page 8 in darshan_07_0916.p hm" with "0.2 ohm".	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE from 0.2 ohm to 1	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is Suggested Add th Proposed C/ 00 Klempa, M Comment Equati "The c the standa	erate on s covered dRemedy ne missir Respons SC C lichael Type ions are decimal r ard in qu e 19."	lly one fing d by the te / ng state m se / E using "," i marker sho estion is in	ger etc. ext but not in the nachine part in <i>Response St</i> <i>Comment S</i> nstead of "." a ould be a dot c	ne state mach darshan_08_u tatus O UNH IOL tatus X ccording to th on the line (de	ine. 0916.pdf. <i>L</i> e style guide: cimal point). Thi	# 255
(This comment is ide 	entical to other comment in which on page 8 in darshan_07_0916.p Equation (33–14) are specified f ohm to 12.5 ohm and worst cas sted for channel common mode ohm, the PSE shall be tested wi n) to meet ICon-2P-unb requirer ation (33–14)." is about Rchan-2P which range f on page 8 in darshan_07_0916.p hm" with "0.2 ohm".	odf) for total channel of e unbalance cont resistance less t ith (Rload_min – ments and RPSE from 0.2 ohm to 1	common mode pair tribution by a PD. than 0.1 ohm, i.e. 0 Rchan) and E_min and RPSE_max	to gen This is Suggested Add th Proposed C/ 00 Klempa, M Comment Equati "The c the standa Clause Suggested	erate on s covered dRemedy ne missir Respons SC (lichael Type ions are decimal r ard in qu e 19."	lly one fing d by the te / ng state m se / using "," i marker shi estion is in	ger etc. ext but not in the nachine part in <i>Response St</i> <i>Comment S</i> nstead of "." a ould be a dot c	te state mach darshan_08_ tatus O P UNH IOL tatus X ccording to th on the line (de ternational add	ine. 0916.pdf. <i>L</i> e style guide: cimal point). Thi	# 255

C/ 33 SC 33-47 Klempa, Michael	<i>P</i> 167 UNH IOL	L 28	# 256	C/ 33 SC 33.2.5.3 Beia, Christian	P 55 STMicroelec	L 41 tronics	# 259
Comment Type E	Comment Status X			Comment Type T	Comment Status X		
••	d" figures are inconsistent and	sometimes incor	nplete.	The Type1 and Type 2 con state diagram in figure 33-		t used only in the	Type 1 and Type 2
,	ng the same Equipment Cord i	n aach madal an	d koop thom tangontial	SuggestedRemedy			
to the line	ng the same Equipment Cold I	n each model an	ia keep menn tangentia	change:			
Proposed Response	Response Status O			The PSE state diagrams u with: The Type 1 and Type 2 PS	-		following constants:
C/ 33 SC 33.8.2.3 Jones, Peter	3 P 189 Cisco	L 39	# 257	Proposed Response R	Response Status O		-
Comment Type TR	Comment Status X			CI 33 SC 33.2.5.4	P 55	L 51	# 260
D 2.0 seems to be m	issing updates to the PICS for	type 3 & type 4.		Beia, Christian	STMicroelec	tronics	
SuggestedRemedy				Comment Type T	Comment Status X		
Complete the require Proposed Response	ed PICS updates. Response Status O			The Type1 and Type 2 var in figures 33-13 and 33-14. defined for other state diag	. Variables with the same	e name but differe	Type 2 state diagrams ant definition may be
				SuggestedRemedy			
C/ 33 SC 33.8.3.2 Bullock, Chris Comment Type ER	Cisco System Comment Status X		# 258	change: The PSE state diagrams u with: The Type 1 and Type 2 PS relevant to figures 33-13 ar	SE state diagrams use th		les, which are only
All Type 3 and Type 4	4 Shalls are missing from teh F	PICS		5	Response Status O		
SuggestedRemedy Add a conformance s	statement for each Type 3 and	Type 4 requirem	ent				
Proposed Response	Response Status 0			C/ 33 SC 33.2.5.5	P 59	L 26	# 261
				Beia, Christian	STMicroelec	tronics	
				Comment Type T	Comment Status X		
				The Type1 and Type 2 time figures 33-13 and 33-14. T defined elsewhere for othe	imers with the same nar	me and different c	lefinition may be
				SuggestedRemedy			
				Add after the first paragrap The Type 1 and Type 2 PS relevant to figures 33-13 ar	E state diagrams use th		s, which are only

CI 33 SC 33.2.5.6	P 60	L 4	# 262	CI 33	SC 33.2.5.1	D	P 73	L 2	# 265
Beia, Christian	STMicroelectr	ronics		Beia, Chr	stian	:	STMicroelect	tronics	
Comment Type T	Comment Status X			Comment	Туре Т	Comment St	tatus X		
diagram in figure 33-1	2 functions are only relevant t 13. Timers with the same name e diagrams, so the reader shou	e and different o		in figu	ires 33-15 throug	h 33-23. Timers	with the sam		Type 4 state diagrams erent definition may be warned.
SuggestedRemedy				Suggeste	dRemedy				
	of 33.2.5.6 the following sente 2 PSE state diagrams use the 13:		ions, which are only	The T				e: e following timers	s, which are only
Proposed Response	Response Status O			Proposed	Response	Response St	atus O		
CI 33 SC 33.2.5.6	р 60	L 43	# 263	CI 33	SC 33.2.5.1	1	P 75	L 5	# 266
Beia, Christian	STMicroelecti	ronics		Beia, Chri	stian	:	STMicroelect	tronics	
Comment Type E	Comment Status X			Comment	Туре Т	Comment St	tatus X		
set_parameter_type f	unction definition has no inder	ntation, so it is h	arder to read						d Type 4 state diagrai
SuggestedRemedy						tiagrams, so the			erent definition may b
Apply the same inden function	tation used for the other functi	ions, also for se	t_parameter_type	Suggeste					
Proposed Response	Response Status O			The T					ons, which are only
C/ 33 SC 33.2.5.9	P 64	L 41	# 264	Proposed	Response	Response St	atus O		
Beia, Christian	STMicroelectr	ronics							
Comment Type T	Comment Status X								
in figures 33-15 throu	4 variables are only relevant to gh 33-23 Variables with the sa tate diagrams, so the reader s	ime name but d	ifferent definition may						
SuggestedRemedy									
	of 33.2.5.9 the following sente 4 PSE state diagrams use the -15 to 33-23:		bles, which are only						
Proposed Response	Response Status O								

Cl 33 SC 33.3.3.3 P 121 L 34 # 269
Beia, Christian STMicroelectronics
Comment Type T Comment Status X
The Type1 and Type 2 variables are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned.
SuggestedRemedy
replace: The PD state diagram uses the following variables:
with: The Type 1 and Type 2 PD state diagram uses the following variables, which are only relevant to figure 33-31:
Proposed Response Response Status O
C/ 33 SC 33.3.3.4 P 123 L 10 # 270 Beia, Christian STMicroelectronics
Comment Type T Comment Status X
The Type1 and Type 2 timers are only relevant to the Type 1 and Type 2 state diagrams in figure 33-31.
SuggestedRemedy
Add after the first paragraph the following sentence: The Type 1 and Type 2 PD state diagram uses the following timers, which are only relevant to figure 33-31:
Proposed Response Response Status O

Cl 33 SC 33.3.3.6 P125 L 3 # 271	C/ 33 SC 33.3.3.8 P 127 L 29 # 273
Beia, Christian STMicroelectronics	Beia, Christian STMicroelectronics
Comment Type T Comment Status X	Comment Type T Comment Status X
The Type 3 and Type4 single-signature constants are only relevant to the Type 3 and Type 4 state diagram in figure 33-32.	The Type 3 and Type4 single-signature timers are only relevant to the Type 3 and Type state diagram in figure 33-32. Timers with the same name but different definition may be defined for other state diagrams, so the reader should be warned.
SuggestedRemedy	
replace: The PD state diagram uses the following constants: with:	SuggestedRemedy Add after the first paragraph the following sentence: The Type 3 and Type 4 single-signature PD state diagram uses the following timers, wh are only relevant to figure 33-32:
The Type 3 and Type 4 single-signature PD state diagram uses the following constants, which are only relevant to figure 33-32:	Proposed Response Response Status O
Proposed Response Response Status O	
	CI 33 SC 33.3.3.9 P 127 L 43 # 274
C/ 33 SC 33.3.3.7 P 125 L 25 # 272	Beia, Christian STMicroelectronics
Beia, Christian STMicroelectronics	Comment Type T Comment Status X
	The Type 3 and Type4 single-signature functions are only relevant to the Type 3 and Ty
Comment Type T Comment Status X	
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type	4 state diagrams in figure 33-32.
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may	4 state diagrams in figure 33-32. SuggestedRemedy
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned.	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions,
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may	4 state diagrams in figure 33-32. <i>SuggestedRemedy</i> Add at the beginning of 33.3.3.9 the following sentence :
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables: with:	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions, which are only relevant to figure 33-32: Proposed Response Response Status O
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables:	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions, which are only relevant to figure 33-32:
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32:	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions, which are only relevant to figure 33-32: Proposed Response Response Status Cl 33 SC 33.3.3.11 P 129 L 51 # 275
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32:	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions, which are only relevant to figure 33-32: Proposed Response Response Status Cl 33 SC 33.3.3.11 P 129 L 51 # 275 Beia, Christian STMicroelectronics
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32:	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions, which are only relevant to figure 33-32: Proposed Response Response Status Cl 33 SC 33.3.3.11 P 129 L 51 # 275 Beia, Christian STMicroelectronics Comment Type T Comment Status X The Type 3 and Type4 dual-signature constants are only relevant to the state diagrams
The Type 3 and Type4 single-signature variables are only relevant to the Type 3 and Type 4 state diagram in figure 33-32. Variables with the same name but different definition may be defined for other state diagrams, so the reader should be warned. SuggestedRemedy replace: The PD state diagram uses the following variables: with: The Type 3 and Type 4 single-signature PD state diagram uses the following variables, which are only relevant to figures 33-32:	4 state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.9 the following sentence : The Type 3 and Type 4 single-signature PD state diagram uses the following functions, which are only relevant to figure 33-32: Proposed Response Response Status Cl 33 SC 33.3.3.11 P 129 L 51 Beia, Christian STMicroelectronics Comment Type T Comment Type 4 dual-signature constants are only relevant to the state diagrams figures 33-33 and 33-34.

CI 33 SC 33.3.3.12 P 130 L 26 # 276 Beia, Christian STMicroelectronics Image: Christian structure Image: Chr	C/ 33 SC 33.3.3.12 P 133 L 46 # 279 Beia, Christian STMicroelectronics
Comment Type T Comment Status X The Type 3 and Type4 dual-signature variables are only relevant to the state diagrams in	Comment Type E Comment Status X VPD_ModeB may be defined better
figures 33-33 and 33-34. SuggestedRemedy Replace the introduction of 33.3.3.12 with the following: The Type 3 and Type 4 dual-signature PD state diagrams uses the following variables, which are only relevant to figures 33-33 and 33-34: Proposed Response Response Status Q	SuggestedRemedy Replace: Voltage at the PD PI as defined in 1.4.425 over Mode B with
C/ 33 SC 33.3.3.13 P 133 L 51 # 277	Voltage at the PD PI as defined in 1.4.425 where the powered pair belongs to Mode B Proposed Response Response Status O
Beia, Christian STMicroelectronics Comment Type T Comment Status X The Type 3 and Type4 dual-signature timers are only relevant to the Type 3 and Type 4 state diagrams in figure 33-33 and 33-34 SuggestedRemedy	CI 33 SC 33.3.3.14 P 134 L 10 # 280 Beia, Christian STMicroelectronics Comment Type T Comment Status X The Type 3 and Type4 dual-signature functions are only relevant to the Type 3 and Type 4
Add after the first paragraph the following sentence: The Type 3 and Type 4 dual-signature PD state diagrams use the following timers, which are only relevant to figures 33-33 and 33-34: Proposed Response Response Status O	state diagrams in figure 33-32. SuggestedRemedy Add at the beginning of 33.3.3.9 the following sentence : The Type 3 and Type 4 dual-signature PD state diagrams use the following functions, which are only relevant to figures 33-33 and 33-34:
C/ 33 SC 33.3.3.12 P 133 L 44 # 278 Beia, Christian STMicroelectronics	Proposed Response Response Status O
Comment Type E Comment Status X VPD_ModeA may be defined better SuggestedRemedy Replace: Voltage at the PD PI as defined in 1.4.425 over Mode A with Voltage at the PD PI as defined in 1.4.425 where the powered pair belongs to Mode A	C/ 33 SC 33.3.15 P 135 L 13 # 281 Beia, Christian STMicroelectronics Comment Type ER Comment Status X Figure 33-33 VPD is not defined for dual signature PD SuggestedRemedy Change: "VPD" to: "UPD" mode 4"
Proposed Response Response Status O	"VPD_modeA" Proposed Response Response Status O

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Comment Type ER Comment Status X Figure 33-33 pd_dll_enabled is not defined for dual signature PD Suggested/Remedy Change: "lpd_dll_enabled" and "pd_dll_enabled" and "pd_dll_enabled_modeA" "pd_dll_enabled" Proposed Response Response Status O Clange: "lpd_dll_enabled_modeA" "pd_dll_enabled_modeA" "pd_dll_enabled_modeB" Proposed Response Response Status X Gomment Type ER Comment Status X Figure 33-34 "pd_dll_enabled" "pd_dll_enabled" and "pd_dll_enabled_modeA" "pd_dll_enabled_modeB" Proposed Response Response Status O C/ 33 SC 33.3.15 P 137 L 11 # [283] C/ 33 SC 33.3.6.1 P 141 L 42 # [285] Comment Type ER Comment Status X The sentence: In addition to a valid detection signature, PDs shall provide the characteristics of a classifications, not only to single-Event, so it should be moved to 33.3 Suggested/Remedy Thange: "VPD_modeB" Move the following sentence to the end of paragraph 33.3.6: In additi	C/ 33 SC 33.3.3.1 Beia, Christian	5 P 136 STMicroelectro	L 25 onics	# 282	Cl 33 SC 33.3.3.1 Beia, Christian	15 P 138 STMicroelec	L 25 tronics	# 284
Change: "Ipd_dll_enabled" and "pd_dll_enabled" respectively to: "Ipd_dll_enabled" respectively to: "Ipd_dll_enabled_modeA" and "pd_dll_enabled_modeA" and "pd_dll_enabled_modeB" Proposed Response Response Status O Cl 33 SC 33.3.15 P 137 L 11 # [283] Cl 33 SC 33.3.6.1 P 141 L 42 # [285] Comment Type ER Comment Status X Figure 33-34 VPD not defined for dual signature PD SuggestedRemedy Change: "VPD" to: "VPD_modeB" Cl 33 SC 33.3.6.1 P 141 L 42 # [285] Comment Type T Comment Status X The sentence: In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature as specified in Table 33-23 applies to all PD classifications, not only to single-Event, so it should be moved to 33.3 SuggestedRemedy Move the following sentence to the end of paragraph 33.3.6: In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature as specified in Table 33-23 applies to all PD classifications, not only to single-Event, so it should be moved to 33.3 SuggestedRemedy Move the following sentence to the end of paragraph 33.3.6: In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature as specified in Table 33-23 applies to all PD classifications, not only to single-Event, so it should be moved to 33.3 SuggestedRemedy Move the following sentence to the end of paragraph 33.3.6: In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature, PDs shall provide the characteristics of a classif	Figure 33-33				Figure 33-34		1	
C/ 33 SC 33.3.15 P 137 L 11 # 283 Beia, Christian STMicroelectronics STMicroelectronics Comment Type ER Comment Status X Figure 33-34 VPD not defined for dual signature PD SuggestedRemedy Change: "VPD" To: "VPD" To: to: "VPD" to: "VPD" to: "VPD" to: "VPD." to:<	Change: "!pd_dll_enabled" and "pd_dll_enabled" respectively to: "!pd_dll_enabled_mon and				Change: "!pd_dll_enabled" and "pd_dll_enabled" respectively to: "!pd_dll_enabled_mo and			
comment Type ER Comment Status X Figure 33-34 Figure 33-34 VPD not defined for dual signature PD In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature as specified in Table 33-23 applies to all PD classifications, not only to single-Event, so it should be moved to 33.3 Change: "VPD" "VPD" To: "VPD" Move the following sentence to the end of paragraph 33.3.6: "VPD_modeB" In addition to a valid detection signature, PDs shall provide the characteristics of a classification signature, as specified in Table 33-23	/ 33 SC 33.3.3.1	5 P 137		# 283	CI 33 SC 33.3.6.1	P 141		# 285
Proposed Response Status O	Comment Type ER Figure 33-34 VPD not defined for d SuggestedRemedy Change: "VPD" to: "VPD_modeB"	Comment Status X			Comment Type T The sentence: In addition to a valid of classification signatur applies to all PD class SuggestedRemedy Move the following s In addition to a valid of	Comment Status X detection signature, PDs shall re as specified in Table 33-23 sifications, not only to single-E entence to the end of paragra detection signature, PDs shall	provide the char event, so it should oh 33.3.6: provide the char	d be moved to 33.3.6

C/ 30 SC 30	P 24	L 1	# 286	C/ 33	SC 33.2.6.7	P 94	L 33	# 289
Schindler, Fred	Seen Simply,	Broadco		Schindler,	Fred	Seen S	imply, Broadco	
Comment Type TR	Comment Status X			Comment	Type ER	Comment Status	x	
	be added to this section. This comment is related to other comment			Links Suggestee		e not working and some	e identifiers can be im	nproved.
SuggestedRemedy				00		erence 79.3.2.6b.2 for F	PD 4PID. Fix links so t	that they are functional.
to encorporate new T	s Note: readers are encourage LVs. Table 79-8 should match ered satisfied until an acceptat	theses updates	." This comment		Response	Response Status		
Proposed Response	Response Status 0			C/ 33	SC 33.2.6.7	P 94	L 28	# 290
				Schindler,			imply, Broadco	
C/ 33 SC 33.2.5.9	P 69	L 48	# 287	Comment	51	Comment Status		
Schindler, Fred	Seen Simply,		# 207			nat establishes PD_4pa		agrams Figures 33-16, ams do use the variable
		Dioduco				ec. The single-signature		
Comment Type TR	Comment Status X					ing in the state diagram		
in the DLL section an	r_type is not used in PSE stat d exist on page 181	e diagrams. Thi	s definition is required	Suggestee	dRemedy			
SuggestedRemedy	a chief on page 101.			See re	elated comment	marked COMMENT-3 f	or a solution.	
,	of variable pd_dll_power_type	00 0000 60		Proposed	Response	Response Status	0	
	,	on page 09.				response statue	•	
Proposed Response	Response Status O							
				C/ 33	SC 33.2.6.7	P 94	L 28	# 291
C/ 33 SC 33.2.5.9	P 69	L 30	# 288	Schindler,	Fred	Seen S	Simply, Broadco	
Schindler, Fred	Seen Simply,	Broadco		Comment	Type TR	Comment Status	x	
Comment Type TR	Comment Status X					_cand is not used in the		
51	_cand is described in section	33.2.6.7. Refere	ences made in the text					Therefore, item a) does so only apply to single-
are incorrect.								ce on 4P powering or to
SuggestedRemedy						en pd_4pair_cand is TF		
Replace " and 4PIE	0." with "PD 4PID, see 33.2.6.7	7.". Related to o	ther comments marked	Suggestee	dRemedy			
COMMENT-3.						r's Note: readers are en		
Proposed Response	Response Status O			to oth	er comments ma	state diagrams in Figure arked COMMENT-3. Th otable solution is provid	is comment should no	
				Proposed	Response	Response Status	0	
				•	•	,		

CI 33	SC 33.2.7	P 97	L 20	# 292
Schindler	, Fred	Seen Simply,	Broadco	

Comment Type TR Comment Status X

The Task Force established that legacy Types are used in configurations with one cable to power two 100-BASE-TX connections. The Type 3 and 4 PSE behavior when it encounters two legacy Type-2 PSEs on its PI is ambiguous. A dual-signature PD will be seen with an invalid class signature (4-4-4). A Type 3 or 4 PSE only has one data connection. Therefore, when two legacy Type-2 PDs are discovered on the PI, only one Alternative should be powered.

SuggestedRemedy

Under Table 33-13 add "Note 3---It is recommended that Type 3 and Type 4 PSEs that discover a dual-signature PD that provides the same class for three more more events be powered only on the PSE Primary Alternative while supporting the Pclass coverred in Table 33-12."

Proposed Response	Response Status	ο	
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CI 33	SC 33.2.8.1	P 105	L 32	# 293
Schindler, I	Fred	Seen Simply, E	Broadco	

Comment Type TR Comment Status X

During the Whistler interim, senior IEEE officers indicated all behavior had to be captured in state diagrams and that text alone would not be correct. An example of where text alone is used in this draft, "A Type 3 or Type 4 PSE that has assigned Class 1 to 4 to a singlesignature PD and is in the POWER_ON state may transition between 2-pair and 4-pair power at any time, including after the expiration of Tpon." The state diagram on page 81 does not provide this behavior. This comment is related to other comments marked COMMENT-6. If state diagram changes are required, the proposed solution encourages corrections. Not all problems found are listed in my comments as text may be found to be okay in some circumstances.

SuggestedRemedy

Confirm if this example text needs to be incorporated in the reference state diagram. If so, add the following text on line 1 of the page 81, "Editor's Note: All behavior needs to be described in the state diagrams. Readers are encouraged to incorporate text only allowances and requirements into the appropriate state diagram. For example, see behaviors only described in 33.2.8.5.1 paragraph one." This comment should not be considered satisfied until an acceptable solution is provided to addess the comment made.

Proposed Response Response Status **O**

C/ 33	SC 33.2.8.5.1	P 110	L 20	# 294
Schindler	, Fred	Seen Simply,	Broadco	

Comment Type TR Comment Status X

During the Whistler interim, senior IEEE officers indicated all behavior had to be captured in state diagrams and that text alone would not be correct. An example of where text alone is used in this draft, "A Type 4 PSE, when connected to a single-signature PD with assigned Class 7 or Class 8, may implement a minimum IInrush lower than defined in Table 33–17, but not less than 0.4 A." The state diagram on page 81 does not provide this behavior.

SuggestedRemedy

Confirm if this example text needs to be incorporated in the reference state diagram. If so, append to the Editor's note called out in other comments marked COMMENT-6, "For example, see behaviors only described in 33.2.8.5.1 paragraph one." This comment should not be considered satisfied until an acceptable solution is provided to addess the comment made.

Proposed Response Response Status **O**

C/ 33	SC 33.2.10.1.2	P 118	L 37	# 295
Schindler	, Fred	Seen Simply,	Broadco	

Comment Type TR Comment Status X

The PSE requirements on lines 37 to 39, and 52 to 54, and page 119 lines 13 to 16 are the same and appear to contradict eachother. "shall remove power from the PI when DC MPS has been absent for a duration greater than TMPDO." and "shall not remove power from the PI when DC MPS has been present within the TMPS + TMPDO window." Legacy text indicates "The PSE shall not remove power from the port when IPort is greater than or equal to IHold max continuously for at least TMPS every TMPS + TMPDO...". But it also says, "Power shall be removed from the PI when DC MPS has been absent for a duration greater than TMPDO.". The key legacy text uses "...at least TMPS ..." while the new text says "DC MPS has been present ...", which requires the reader to understand that DC MPS is TMPS, but leaves out the at least. This is comparable to = to >=.

SuggestedRemedy

Replace the called-out text, "DC MPS has been present" in all referenced lines with "DC MPS has been present for at least TMPS".

Proposed Response Response Status O

C/ 33 SC 33.3.3.7 P 127 L 11 # 296	C/ 33 SC 33.3.6.2 P 143 L 29 # 298
Schindler, Fred Seen Simply, Broadco	Schindler, Fred Seen Simply, Broadco
Comment Type TR Comment Status X	Comment Type ER Comment Status X
Variable pse_dll_power_level is defined on page 127 and 181, both definitions incorrectly indicate the PD control state diagram provides the value. This variable is not used for DLL and should be removed.	Existing text, "If it chooses to implement short MPS, a PD may set short_mps to" may be improved. This change reduces the amoun of thinking required to determine if "it" is the PSE or the PD.
SuggestedRemedy	SuggestedRemedy
Delete pse_dll_power_level definitions on pages 127 and 181.	Replace the called-out text with, "If a PD chooses to implement short MPS, it may set
Proposed Response Response Status O	short_mps to"
	Proposed Response Response Status O
C/ 33 SC 33.3.3.15 P 136 L 5 # 297	
Schindler, Fred Seen Simply, Broadco	Cl 33 SC 33.3.6.2 P 143 L 4 # 299
comment Type TR Comment Status X	Schindler, Fred Seen Simply, Broadco
signature SD, which will make it more likely that one DLL SD can be used for both PSE versions. For example, state MDI_POWER1_modeA, "pse_dll_power_level_modeA > 1" should be "pse_dll_power_type > 1", and state DLL_ENABLE_modeA, should be "pse_power_type > 1". No differentiation for A and B is required if the power negotiated is for the PD PI total power. Many DS SD need to be fixed, which may change things that affect this remedy.	Table 33-25 is for dual-signature PDs that may have different power demands on each Mode. The definitions provide on page 148 line 20 also require that Table 33-25 to use Pclass_PD-2P rather than Pclass_PD. SuggestedRemedy Replace Pclass_PD in Table 33-25 with Pclass_PD-2P.
SuggestedRemedy	Proposed Response Response Status O
Make the provided changes made in the comment and replacing "pse_power_modeX" forFigure 33-33 and for Figure 33-34 where X = A or B; remove all "modeX" in thesefigures, and on line 1 of each figure add, "Editor's Note: readers are encouraged to improvethis section and better tie this information to section 33.6 DLL." Alternatively, only providethe Editor's note. This comment is related to other comments marked COMMENT-4. Thiscomment should not be considered satisfied until an acceptable solution is provided toaddess the comment made.Proposed ResponseResponse StatusO	Cl 33 SC 33.3.6.2 P 143 L 18 # 300 Schindler, Fred Seen Simply, Broadco Seen Simply, Broadco Comment Type TR Comment Status X Variable pse_power_level is not defined for Type-2 PDs. The existing sentence is "Type 3 and Type 4 PDs shall conform to the electrical requirements as defined by Table
	33–28 for the level defined in the pse_power_level state variable.". This comment is related to other comments marked COMMENT_5.
	SuggestedRemedy Delete "Type 2, ".

Proposed Response

Comment ID 300

Response Status 0

CI 33	SC 33.3.7	P 145 L 1	# 301	CI 33	SC 33.6.1	P 177	L 53	# 303
Schindler,	Fred	Seen Simply, Broadco		Schindler,	Fred	Seen Simply, B	roadco	
Comment	Type TR	Comment Status X		Comment	Type TR	Comment Status X		

The description for pse_power_level is not correct or incomplete. The existing text is, "The default value of pse_power_level is 3. After a successful Multiple-Event Physical Layer classification has completed the pse_power_level is set to either 3, 4, 6, or 8. After a successful Data Link Layer

classification has completed, the pse_power_level is set to either 3, 4, 6 or 8. The PD resets the pse_power_level to '1' when the PD enters the DO_DETECTION state.". This text only applies to Type 3 and 4 PDs. The first sentence contradicts the last sentence. DLL does not affect the variable and Physical layer always sets it. Dualsignature state diagrams may remove the appending of _modeA or _modeB to pse_power_level, so it is better to address DS using an Editor's note. This comment is related to comments marked COMMENT-4 and COMMENT-5.

SuggestedRemedy

Replace "The default value of pse_power_level is 3." with "Type 3 and 4 PDs provide a default value of 3 for pse_power_level in the DO_DETECTION state." Delete the sentence, "After a successful Data Link Layer classification has completed, the pse_power_level is set to either 3, 4, 6 or 8. " A comment marked COMMENT-4 already provides a related Editor's Note. Strike the sentence "The PD resets the pse_power_level to '1' when the PD enters the DO_DETECTION state.".

Proposed Response Response Status **O**

P 157 L 29

Schindler, Fred Seen Simply, Broadco

Comment Type TR Comment Status X

The existing table note can be improved to make PD designers aware of other concerns that may affect PDs using low-MPS. PSEs have a noise allowance covered in Table 33-17 item 4, that permit 0.5Vpp at 500 Hz, which could null the PD MPS current. The PSE noise value is only around 0.7% of the PI voltage so the noise allowance is not likely to be lowered.

SuggestedRemedy

Replace the legacy note text "resistance RCh)" with "resistance RCh) or the PSE power feeding ripple and noise covered in Table 33-17".

Proposed Response Response Status O

51
The LLDP "Power via MDI Measurements" TLVs are suppose to be optional. The modified
text could be intepreted to indicate that this TLV is not optional if DLL is supported.

SuggestedRemedy

On line 52 change existing text "...and the Power via MDI Measurements TLV ..." to "...and may support the Power via MDI Measurements TLV ..."

Proposed Response Response Status **O**

C/ 33	SC 33.6	P 177	L 40	# 304
Schindler,	Fred	Seen Simply, E	Broadco	

Comment Type TR Comment Status X

A DLL subject matter expert should add text covering dual-signature PDs. A state diagram may be required and a LLDP attribute map would also then be required.

SuggestedRemedy

Add on line 40, "Editor's Note: readers are encouraged to improve the DLL to encorporate dual-signature PDs." This comment should not be considered satisfied until an acceptable solution is provided to addess the comment made.

Proposed Response Response Status O

CI 33	SC 33.6.3.2	P 179	L 18	# 305	
Schindler	, Fred	Seen Simply,	Broadco		

Comment Type TR Comment Status X

Variable parameter_type is determined only by Type 1 and 2 function set_parameter_type, therefore it will only have values 1 and 2. Variable pd_allocated_power is not assigned anywhere and is required to determine PSE_INITIAL_VALUE.

SuggestedRemedy

The solution is provided in schindler_3bt_01_0916.

Proposed Response Response Status 0

302

C/ 33 SC 33.6.3.2 P 179 L 6 # 306	C/ 33 SC 33.6.3.3 P180 L 43 # 309
Schindler, Fred Seen Simply, Broadco	Schindler, Fred Seen Simply, Broadco
Comment Type TR Comment Status X	Comment Type TR Comment Status X
The variable pd_max_power exists in Type 1,2 and Type 3,4 state diagrams. Both apply to this description.	Variable parameter_type is determined only by Type 1 and 2 function set_parameter_type, therefore it will only have values 1 and 2. The value of this variable is not used by the Type 3 and 4 PSE state diagram (it is a don't care).
SuggestedRemedy	S and 4 PSE state diagram (it is a don't care). SuggestedRemedy
Replace existing text, " diagram (Figure 33-32:" with " diagrams (Figures 33-31 and 33- 32:"	Delete text for values 3 and 4. Modify legacy sentence, "A control variable output by the
Proposed Response Response Status O	PSE state diagram (Figure 33–13) used by a Type 2, Type 3, or Type 4 PSE to choose operation with Type 1, Type 2, Type 3, or Type 4 PSE output PI electrical requirement parameter values defined in Table 33–17." to read "A control variable output by the Type 1 and 2 PSE state diagram (Figure 33–13) used by a Type 2 PSE to choose operation with
C/ 33 SC 33.6.3.2 P 179 L 35 # 307 Schindler, Fred Seen Simply, Broadco	Type 1 or Type 2 PSE output PI electrical requirement parameter values defined in Table 33–17."
Comment Type ER Comment Status X The cross reference used, " found in 33.3.8.2." is not correct.	Proposed Response Response Status O
SuggestedRemedy	C/ 33 SC 33.6.3.3 P181 L 4 # 310
Use the cross reference, " found in 33.3.8.2.1."	Schindler, Fred Seen Simply, Broadco
Proposed Response Response Status O	Comment Type TR Comment Status X
	The DLL state diagram only requires pd_dll_power_type values of 1 or 2 to set the
C/33 SC 33.6.3.3 P 179 L 48 # 308 Schindler, Fred Seen Simply, Broadco # 308	electrical parameters. New types are required to support DLL so electrical parameters are fixed and do not require a transition from phsical layer to DLL when a Type-2 PD is discovered. The value of this variable is not used by the Type 3 and 4 PSE state diagram (it is a don't care).
Comment Type TR Comment Status X	SuggestedRemedy
Variable MirroredPDRequestedPowerValueEcho was likely added during a maintainance request because this text is missing from the 802.3at-2009 specification but appears before Draft 1.0. The correction is missing values.	Delete text for values 3 and 4. Modify legacy sentence "A control variable that indicates the Type of PD that is connected to the PSE as advertised through Data Link Layer classification." to read "A Type 1 and 2 PSE state diagram control variable that indicates
SuggestedRemedy	the Type of PD that is connected to the PSE as advertised through Data Link Layer classification. Type 3 and 4 PSE state diagrams do not use this variable."
At the end of this definition add, "Values: 0 through 999" Note this assumes a comment marked COMMENT-1 is accepted. Use the same correction on page 180 lines 6, 15, and 35.	Proposed Response Response Status O
Proposed Response Response Status O	

Cl 33 SC 33.6.3.3 Schindler, Fred	P 181 Seen Simply,	L 41 Broadco	# 311	Cl 33 Schindler,		33.6.3.5	P 184 Seen Simp	L 10 ly, Broadco	# 314
Comment Type TR	Comment Status X			Comment	Туре	ER	Comment Status X	-	replaced by ()
SuggestedRemedy Add " Values: 3: The PSE has allocat 4: The PSE has allocat	ed Class 3 power (default). ed Class 4 power.			Suggestea	IRemedy) in the	y state diaç	с с		
	ed Class 6 power. ed Class 7 power. ed Class 8 power." r less is not used for class 3	because PSE	are required to provide	C/ 33 Schindler, Comment	Fred	33.6.4.1 TR	P 185 Seen Simp Comment Status X	L 27 ly, Broadco	# 315
Proposed Response Cl 33 SC 33.6.3.3 Schindler, Fred Comment Type TR	Pefore DLL is operational. Response Status O P 181 Seen Simply, Comment Status X		# <u>312</u>	PSEs to lega PSE_N UPDA not ag PSE_N Two cł	to increa acy text I NEW_V TE state ree with NEW_V hanges	ase the P resulted in ALUE is o where P the PSE ALUE is s were made	Draft 1.7 review covered in D power when a PSE has n, "If the PSE is in sync w lifferent than PSEAllocate SE_NEW_VALUE is assi- DLL SD Figure 33-49. The maller than" with "PS le due to this presentation comment is not.	an increased pow ith the PD or if dPowerValue, it e gned to PSEAlloca ie change replace ie_NEW_VALUE	rer budget. The change nters the MIRROR atedPowerValue." Does d " is different than".
SuggestedRemedy Delete this definition.	vel is defined but not used in d COMMENT-5. <i>Response Status</i> 0	the DLL sector		produc local_s increas the PS	re the te ces the c system_ sed pow SE is in s	xt to " F desired re change, v ver budge synch. Th	SE_NEW_VALUE is sma sult. A PSE that wants to which results in PSE POW t. The power budget is pro the PD will only increase its	increase the pow /ER REVIEW, whi ovided in state MII s demand when th	er provided asserts ich results in the RROR UPDATE when e PD is in synch, which
C/ 33 SC 33.6.3.4 Schindler, Fred	P 182 Seen Simply,	L 9 Broadco	# 313	PSE P	OWER should	REVIEW never cau	ne PSE is also in synch. I and MIRROR UPDATE c se a PD problem. <i>Response Status</i> 0		
Comment Type ER Attribute hyper-links ar SuggestedRemedy Correct the hyper-links Proposed Response									

C/ 33 SC 33.6.5	P 186	L 4	# 316	CI 79	SC 79.3.2.6	P	214	L 40	# 318
Schindler, Fred	Seen Simply, I	Broadco		Schindler,	Fred	Seer	Simply, Br	roadco	
Comment Type TR	Comment Status X			Comment	Type TR	Comment Status	Х		
may be required and related to other comm SuggestedRemedy Add on line 5, "Editor adding text and state	matter expert should add text of a LLDP attribute map would als tents marked COMMENT-2. s Note: readers are encourage diagrams as approporiate." Th ptable solution is provided to a	so then be requind to improve Au	ired. This comment is utoclass information by ould not be considered	Previou at 1. T this val starting PD to s accept	usly, DLL values The change mad lue is allowed fo g references wou signal to the PSI	e all values start at 1 r values that have m uld have them all sta E that power should	art a 0 whil . Reserved eaning. Us rt at the sar be removed	le LLDP value: d TLV fields ar sing zero rathe me value and p d. If other belie	s were required to star e normally zero but r than one for all permit a means for the
Proposed Response	Response Status O			Suggested	Remedy				
Cl 79 SC 79.3.2.6 Schindler, Fred Comment Type TR Legacy text was char compute Pclass". SuggestedRemedy Use "Pclass".	P 214 Seen Simply, I Comment Status X ged and a typo resulted in " o		# <u>317</u>	page 1 page 1 Delete On pag string l	ength from 18 to IENT-1.	0, 27, 31, Se on page 217.	is related to		just TLV information ents markedt
Proposed Response	Response Status O			<i>Cl</i> 79 Schindler, I	SC 79.3.2.6 b Fred		2 16 Simply, Br	L 51 roadco	# 319
				Comment T The tex		Comment Status		on only has me	aning for DS PDs.
				a dual- the nex	existing text, " signature PD (so xt sentence with	ee 1.4.186a and 33.	3.2) is the s et to 0 whe	ource of the L n the power ty	power type is PD and LDPPDU." Replace pe is PSE or the PD

Proposed Response

Comment ID 319

Response Status 0

Cl 79 SC 79.3.2.6b.3 P 216 L 37 # 320 Schindler, Fred Seen Simply, Broadco	C/ 33 SC 33.1.3 P 43 L 46 # 322 Shariff, Masood CommScope
Comment Type T Comment Status X The System setup value field "PD PI" is no longer required because a dual-signature classification mechanism was addedsee PD Mode selection. The solution provided should be discussed as recent changes to dual-signature text could require this bit with some minor text modifications. SuggestedRemedy Replace Table 79-6b bit- 2 function and value/meaning fields with, "Reserved" and "Transmit on zero larger on receive."	Comment Type ER Comment Status X Refer to ISO documents as well SuggestedRemedy Change: 3For additional information, see TIA TSB-184-A. To
"Transmit as zero. Ignore on receive.", respectively. Delete section 79.3.2.6b.3. Proposed Response Response Status O	3For additional information, see ISO TR 29125 and TIA TSB-184-A. <i>Proposed Response</i> Response Status O
C/33 SC 33.1.3.2 P 44 L 36 # 321 chariff, Masood CommScope	C/ 33 SC 33.1.3 P 43 L 50 # 323 Shariff, Masood CommScope CommScope Image: CommScope <t< td=""></t<>
Comment Type ER Comment Status X when used as an adjective qualifyiing a noun, the twisted-pair has to be a hypenated word per standard terminology. On its own, it can be used as twisted pair. SuggestedRemedy	 Comment Type T Comment Status X Non standard terminology. Multi-twisted pair cable implies all conductors are twisted together, which will be a very poorly balanced cable. SuggestedRemedy
change globally: twisted pair cabling	Change: multi-twisted pair cable. To:
To: twisted-pair cabling Proposed Response Response Status O	twisted-pair cable. Proposed Response Response Status O

C/ 33 SC 33A.3 Shariff, Masood	P 233 CommScope	L 26	# 324	C/ 25 SC 25 P 21 L 1 # 327 Law, David HPE
Comment Type TR	Comment Status X	a pair.		Comment Type E Comment Status X Please correct draft designation in header in this Clause, Clause 30 and Clause 79.
SuggestedRemedy Change:				SuggestedRemedy Suggest the header text 'IEEE Draft P802.3/D2.0' should read 'IEEE Draft P802.3bt/D2.0
	ce of the channel conductor with ce of the channel conductor with	0		Proposed Response Response Status O
	ce of the pair conductor with the			Cl 30 SC 30.9.1.1.3 P 27 L 44 # 328 Law, David HPE
Proposed Response	Response Status O			Comment Type TR Comment Status X The 'BEHAVIOUR DEFINED AS' text states that 'When "true" the PSE Pinout Alternative used can be controlled through the aSectionSESs attribute. When "false" the PSE Pinout
C/FM SCFM	P 6	L 4	# 325	Alternative used cannot be controlled through the aSectionSESs attribute.'. Since the aSectionSESs attribute is part of the WAN Interface Sublayer (WIS) object class I don't
				think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute.
Comment Type E Suggest the text ' I SuggestedRemedy See comment.	Comment Status X EEE P802.3xx' should be cha	anged to read '	IEEE P802.3bt'.	think this is correct. Instead I think the reference should be to the aPSEPowerPairs
Comment Type E Suggest the text ' I SuggestedRemedy See comment.	Comment Status X	anged to read '	IEEE P802.3bt'.	think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute. SuggestedRemedy Suggest that both instances of the text ' through the aSectionSESs attribute' should I changed to read ' through the aPSEPowerPairs attribute'. Proposed Response Response Status O
Comment Type E Suggest the text ' I SuggestedRemedy See comment. Proposed Response	Comment Status X EEE P802.3xx' should be cha	anged to read ' <i>L</i> 22	IEEE P802.3bt'. # 326	think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute. SuggestedRemedy Suggest that both instances of the text ' through the aSectionSESs attribute' should I changed to read ' through the aPSEPowerPairs attribute'. Proposed Response Response Status O CI 30 SC 30.9.1.1.4 P 28 L 8 # 329 Law, David HPE
Comment Type E Suggest the text ' I SuggestedRemedy See comment. Proposed Response C/ FM SC FM Law, David Comment Type E Please add Working IEEE_P802d3bt_WC	Comment Status X IEEE P802.3xx' should be cha Response Status O P6			think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute. SuggestedRemedy Suggest that both instances of the text ' through the aSectionSESs attribute' should I changed to read ' through the aPSEPowerPairs attribute'. Proposed Response Response Status O CI 30 SC 30.9.1.1.4 P 28 L 8 # 329 Law, David HPE Comment Type TR Comment Status X The 'BEHAVIOUR DEFINED AS' text states that 'Alternative used to the indicated value only if the attribute aSectionSESThreshold is "false" a SET operation has no effect.'. Since the aSectionSESThreshold attribute is part of the WAN Interface Sublayer (WIS) object class
Comment Type E Suggest the text ' I SuggestedRemedy See comment. Proposed Response C/ FM SC FM Law, David Comment Type E Please add Working IEEE_P802d3bt_WC SuggestedRemedy See comment.	Comment Status X IEEE P802.3xx' should be cha Response Status O P6 HPE Comment Status X Group voter list supplied in G_names_DL_240816.fm			think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute. SuggestedRemedy Suggest that both instances of the text ' through the aSectionSESs attribute' should I changed to read ' through the aPSEPowerPairs attribute'. Proposed Response Response Status O CI 30 SC 30.9.1.1.4 P 28 L 8 # 329 Law, David HPE Comment Type TR Comment Status X The 'BEHAVIOUR DEFINED AS' text states that 'Alternative used to the indicated value only if the attribute aSectionSESThreshold is "false" a SET operation has no effect.'. Since the aSectionSESThreshold attribute is part of the WAN Interface Sublayer (WIS) object class don't think this is correct. Instead I think the reference should be to the aPSEPowerPairsControlAbility attribute.
Suggest the text ' I SuggestedRemedy See comment. Proposed Response CI FM SC FM Law, David Comment Type E Please add Working IEEE_P802d3bt_WC SuggestedRemedy	Comment Status X IEEE P802.3xx' should be cha Response Status O P6 HPE Comment Status X Group voter list supplied in			think this is correct. Instead I think the reference should be to the aPSEPowerPairs attribute. SuggestedRemedy Suggest that both instances of the text ' through the aSectionSESs attribute' should I changed to read ' through the aPSEPowerPairs attribute'. Proposed Response Response Status O CI 30 SC 30.9.1.1.4 P 28 L 8 # 329 Law, David HPE Comment Type TR Comment Status X The 'BEHAVIOUR DEFINED AS' text states that 'Alternative used to the indicated value only if the attribute aSectionSESThreshold is "false" a SET operation has no effect.'. Since the aSectionSESThreshold attribute is part of the WAN Interface Sublayer (WIS) object class don't think this is correct. Instead I think the reference should be to the

Cl 30	SC 30.9.1.1.4	P 28	L 8	# 330	
Law. David		HPE			

Comment Type TR Comment Status X

Subclause 33.2.6.7 '4PID requirements' states that 'Type 3 and Type 4 PSEs shall determine whether an attached PD is a candidate to receive power on both pairsets prior to applying power to both pairsets.' and then goes on to state the conditions have to be met before applying power to both pairsets.

The changes to this attribute has added a new enumeration 'both' defined as 'PSE Pinout Alternative A and Alternative B'. The behaviour then states that 'A SET operation changes the PSE Pinout Alternative used to the indicated value only if the attribute aSectionSESThreshold is "true." (See my other comment that aSectionSESThreshold should be aPSEPowerPairsControlAbility).

Based on this it seems that, if the attribute aPSEPowerPairsControlAbility is "true", and if the aPSEPowerPairs attribute is "signal" or "spare", performing a SET operation with the enumeration 'both' ... changes the PSE Pinout Alternative used ...' to 4-pair regardless of the Subclause 33.2.6.7 4PID requirements. In addition what happens if there is a SET operation with the enumeration 'both' on a PSE that doesn't support 4-pair operation.

SuggestedRemedy

Suggest the text 'A SET operation changes the PSE Pinout Alternative used to the indicated value only if the attribute aSectionSESThreshold is "true." be changed to read 'If the attribute aPSEPowerPairsControlAbility is "true" a SET operation will cause the PSE functions to be disabled, the PSE Pinout Alternative use to be changed to the value indicated if supported, and then the PSE functions to be enabled.'

Proposed Response		Response Status O		
C/ 30	SC 30.9.1.1.6	P 29	L 11	# 331

Law, David	HPE	

Comment Type TR Comment Status X

The 'BEHAVIOUR DEFINED AS' text states that 'This value is only valid while a PD is being powered, that is the attribute aLineSESThreshold reporting the enumeration "deliveringPower." Since the aLineSESThreshold attribute is part of the WAN Interface Sublayer (WIS) object class I don't think this is correct. Instead I think the reference should be to the aPSEPowerDetectionStatus attribute.

SuggestedRemedy

Suggest the text '... is the attribute aLineSESThreshold reporting ...' should be changed to read '... is the attribute aPSEPowerDetectionStatus reporting ...'.

Proposed Response Response Status O

CI 30	SC 30.9.1.2.1	P 31	L 8	# 33	2
Law, David	l	HPE		_	

Comment Type TR Comment Status X

The 'APPROPRIATE SYNTAX' and 'BEHAVIOUR DEFINED AS' text both refer to the aSectionStatus attribute which is part of the WAN Interface Sublayer (WIS) object class. I don't think this is correct and instead this should reference aPSEAdminState.

SuggestedRemedy

Suggest that:

The text 'Same as aSectionStatus' should read 'Same as aPSEAdminState'.
 The text '... a means to alter aSectionStatus ...' should read '... a means to alter aPSEAdminState'.

Proposed Response Response Status **O**

CI 33	SC 33.1	P 41	L 12	#	333
Law, David		HPE			

Comment Type T Comment Status X

The first paragraph of this subclause states that 'This clause defines ... two optional power (non-data) entities ... for use with the MAU defined in Clause 14 and the PHYs defined in Clause 25, Clause 40, and Clause 55.' however as stated in the third paragraph 2.5GBASE-T and 5GBASE-T PHYs defined in Clause 126 are also

supported.

SuggestedRemedy

Suggest that the text '... Clause 25, Clause 40, and Clause 55.' is changed to read ' Clause 25, Clause 40, Clause 126, and Clause 55.'.

Proposed Response Response Status O

C/ 33	SC 33.2.2	P 47	L 2	# 334
Law, Davi	d	HPE		
Comment	Type E	Comment Status X		
Sugge 33-8.	est Figures 33-4,	33-5, 33-7 33-933-10 and 33	3-11 be redrawn	in the format of Figure
Suggestee	dRemedy			
See c	omment.			

Proposed Response Response Status O

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

CI 33	SC 33.5	P 172	L 26	# 335
Law, David	d	HPE		

Comment Type TR Comment Status X

As acknowledged in subclause 33.1.2, as an optional non-data entity, DTE Power via MDI does not appear in the seven layer model. Regardless, as illustrated in Figures 33-1 and 33-2, it interfaces to the medium at the same point as the PHY, and these figures also show the PSE and PD function adjoining the PHY. Perhaps because of this, or perhaps for other reasons, Clause 33 has provided the option for the PSE functions to be 'below' the optional xMII, as for PHYs. This is through the optional support of the MDIO interface, and associated registers, defined in subclause 33.5.

It seems however that implementations of PSE functions don't ever implement the MDIO interface and instead use other approaches. From the perspective of an implementer it doesn't matter if IEEE 802.3 specifies registers in subclause 33.5 since they are only mandatory if '...the PSE is implemented with a management interface described in 22.2.4 or 45.2 (MDIO) ...'. Hence if the MDIO interface isn't implemented on the PSE function, the registers don't need to be implemented, only something equivalent.

But there would seem to be no point specifying these registers moving forward if they are never used, as that would just be unnecessary work. And there would appear to be an additional work for IEEE P802.3bt as there is no space left in the Clause 22 register space, hence we'd have to look at how to use the Clause 45 register space instead.

So far in IEEE 802.3 we've only defined an optional compatibility interface, in this case the xMII (see subclause 1.1.3.2), for access to the status and control information to the PHY. We've not defined one for the MAC, MAC Control and upper sublayers, instead only abstract services interfaces. Hence access to control and status in these sublayers has always been in an implementation specific way. Maybe it is time to add DTE Power via MDI to this list.

SuggestedRemedy

Consider either deprecating, or even removing, subclause 33.5 'Management function requirements'. For all DTE Power via MDI attributes in Clause 30 remove the 'If a Clause 22 MII or Clause 35 GMII is present, then this will map to ...' text so that the attributes behaviours will then only make reference to subclause, state diagrams and functions as is the case for all MAC, MAC Control and other upper sublayers related attributes. State diagram variables with 'mr_' prefixes should have the text related to register bits removed and should be renamed by removing the text 'mr_'.

I have requested presentation time at the 2016 September interim to make a presentation in support of this comment.

Proposed Response Response Status **O**

C/ 33	SC 33.6.3.3	P 179	L 43	# 336
Law, David	l	HPE		

Comment Type T Comment Status X

The subclause 33.6.3.3 definition of the MirroredPDRequestedPowerValue variable states that it is 'The copy of PDRequestedPowerValue that the PSE receives from the remote system.'. PDRequestedPowerValue should be the PD Requested Power Value field in the Power Via MDI TLV. There is a similar issue with the MirroredPSEAllocatedPowerValue and MirroredPSEAllocatedPowerValueEcho varibles.

SuggestedRemedy

Suggest that:

[1] For the MirroredPDRequestedPowerValue variable the text '... copy of PDRequestedPowerValue that the ...' should be changed to read '... copy of the PD Requested Power Value field in the Power Via MDI TLV that the ...'.
[2] For the MirroredPSEAllocatedPowerValue variable the text '... copy of PSEAllocatedPowerValue that the ...' should be changed to read '... copy of the PSE Allocated Power Value field in the Power Via MDI TLV that the ...'.
[3] For the MirroredPSEAllocatedPowerValueEcho variable the text '... copy of PSEAllocatedPowerValue that the ...' should be changed to read '... copy of PSEAllocatedPowerValue that the ...' should be changed to read '... copy of the PSE AllocatedPowerValue that the ...' should be changed to read '... copy of the PSE

Proposed Response Response Status O

C/ 33	SC 33.6.3.3	P 179	L 49	# 337
Law, David		HPE		

Comment Type T Comment Status X

The subclause 33.6.3.3 definition of the MirroredPDRequestedPowerValueEcho variable states that it is 'The copy of PDRequestedPowerValueEcho that the PD receives from the remote system.'. There is no PDRequestedPowerValueEcho or PD Requested Power Value Echo field defined for the Power Via MDI TLV. Instead I think this should reference the PD Requested Power Value Echo field in the Power Via MDI TLV, this is an echo since it is value the PD receives back from the PSE.

SuggestedRemedy

Suggest that the text '... copy of PDRequestedPowerValueEcho that the ...' should be changed to read '... copy of the PD Requested Power Value filed in the Power Via MDI TLV that the ...'.

Proposed Response Response Status **O**

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 33	SC 33.6.3.3	P 180	L 25	# 338
Law, David		HPE		

Comment Type TR Comment Status X

The subclause 33.6.3.3 definition of the PSEAllocatedPowerValue variable states that 'This variable is mapped from the aLldpXdot3LocPSEAllocatedPowerValue attribute (30.12.2.1.18).'. Table 33-40 however shows the mapping from the PSEAllocatedPowerValue variable to the aLldpXdot3LocPSEAllocatedPowerValue attribute. Since the Figure 33–49 'PSE power control state diagram' assigns values to PSEAllocatedPowerValue in the INITIALIZE and MIRROR UPDATE states and aLldpXdot3LocPSEAllocatedPowerValue is a local attribute it seems that this is a output from the state diagram therefore the Table 33-40 entry is correct.

SuggestedRemedy

Suggest that the text '... is mapped from the aLldpXdot3LocPSEAllocatedPowerValue attribute (30.12.2.1.18).' should be changed to read '... maps in to the aLldpXdot3LocPSEAllocatedPowerValue attribute (30.12.2.1.18).'.

Proposed Response	Response Status	0	
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CI 79	SC 79.3.2.1	P 212	L 26	# 339
Law, David	d	HPE		

Comment Type T Comment Status X

In Table 79–3 'MDI power capabilities/status' bit 1 is described as 'Power Sourcing Equipment (PSE) MDI power Support' yet in Table 79–8 'IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed

object class cross references' describes this bit as 'PSE MDI power support'.

SuggestedRemedy

Since the other bits use 'PSE' rather than 'Power Sourcing Equipment (PSE)', and Table 79-8 uses 'PSE' for this bit, suggest that 'Power Sourcing Equipment (PSE) MDI power Support' be changed to read 'PSE MDI power Support'.

Proposed Response R

Response Status 0

CI 79	SC 79.3.2.2	P 212	L 42	#	340
Law, David		HPE			

Comment Type **TR** Comment Status **X**

Subclause 79.3.2 defines both the 8 bits of the 'PSE power pair' field (see 79.3.2.2), and the 2 bits of 'PSE power status' field (see table 79-6a), with the same name. This is despite the former field only supporting two enumerations (signal; spare), and the latter supporting three enumerations (Both Alternatives; Alternative A; Alternative B). Further, Table 79–8 'IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed object class cross references' specifies a mapping from these two fields with different enumerations to the one attribute, aLldpXdot3LocPowerPairs. Similarly Table 79–9 'IEEE 802.3 Organizationally Specific TLV/LLDP Remote System Group managed object class cross references' specifies a mapping from these two fields to the one attribute, aLldpXdot3LocPowerPairs.

It seems in the case of other TLV fields that have been extended by adding new fields (e.g. Power class and Power type) the new field has been differentiated by the addition of 'x' to the name, and a new local and remote attribute has been added to support this new field.

SuggestedRemedy

Suggest that:

[1] The new 'PSE power pair' field defined in Table 79-6a be named 'PSE power pairx'
 [2] Define a new attribute aLldpXdot3LocPowerPairsx as a subclause of subclause 30.12.2.1 'LLDP Local System Group attributes'.

[3] Add the new attribute aLldpXdot3LocPowerPairsx to the 'LLDP Power via MDI Local Package (conditional) package' in Table 30-7.

[4] Define a new attribute aLldpXdot3RemPowerPairsx as a subclause of subclause 30.12.3.1 'LLDP Remote System Group attributes'.

[3] Add the new attribute aLldpXdot3LocPowerPairsx to the 'LLDP Power via MDI Remote Package (conditional) package' in Table 30-7.

Proposed Response Response Status **0**

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 79 SC 79.3.2.4 Law, David	<i>P</i> 213 HPE	L 6	# 341	<i>Cl</i> 79 Law, David	SC 79.3.2.6	р Р 216 НРЕ	L 25	# 342		
Comment Type T	Comment Status X			Comment 1	ype TR	Comment Status X				
	at defines the contents of a fi n 79-6c and 79-6e already do		vord 'field' in their title			setup value field' defines a 'P 3 Organizationally Specific T				
SuggestedRemedy Suggest that:				attribut IEEE 8	es to support th	cross references' does not li ese fields defined in Clause ionally Specific TLV/LLDP Re '.	30. A similar issu	e exists for Table 79–9		
[1] The Table 79–3 titl capabilities/status field	e 'MDI power capabilities/stat	us' be changed	to read 'MDI power	Suggested	Remedy					
	le 'Autoclass' be changed to i	ead 'Autoclass	field'.	Sugges	st that:					
Proposed Response Response Status O	[1] The following entries be added to Table 79–8:									
	PD load aLldpXdot3LocPDLoad PD Mode selection aLldpXdot3LocPDModeSelection									
		[2] Add the following attributes to the 'LLDP Power via MDI Local Package (condition package' in Table 30-7 as well as definitions for each attribute as subclauses of sub 30.12.2.1 'LLDP Local System Group attributes':								
				aLldpXdot3LocPDLoad aLldpXdot3LocPDModeSelection						
				[3] The following entries be added to Table 79–9:						
				PD load aLldpXdot3RemPDLoad PD Mode selection aLldpXdot3RemPDModeSelection						
		[4] Add the following attributes to the 'LLDP Power via MDI Remote Package package' in Table 30-7 as well as definitions for each attribute as subclauses 30.12.3.1 'LLDP Remote System Group attributes':								
					dot3RemPDLoa dot3RemPDMo					
				Proposed F	Response	Response Status 0				

CI 79	SC 79.3.2.6c	P 217	L 12	# 343	CI 79	SC 79.4.2	P 224	L 35	# 345
Law, David		HPE			Law, David		HPE		

Comment Type T Comment Status X

This field is defined in Figure 79–3 'Power Via MDI TLV format' as 'PSE Maximum available power' and the related attributes are named aLldpXdot3LocPSEMaxAvailPower and aLldpXdot3RemPSEMaxAvailPower yet the related TLV variable in Table 79-8 'IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed object class cross references' and Table 79-9 'IEEE 802.3 Organizationally Specific TLV/LLDP Remote System Group managed object class cross references' is listed as 'PSE available power' missing the work 'maximum'. In addition in Table 79-6c 'PSE maximum available power field' the function is described as 'PSE maximum available power value'.

SuggestedRemedy

Suggest that:

[1] The 'Function' column in Table 79-6c that reads 'PSE maximum available power value' be changed to read 'PSE maximum available power'.

[2] The 'TLV variable' row in Table 79-8 that reads 'PSE available power' be changed to read 'PSE maximum available power'.

[3] The 'TLV variable' row in Table 79-9 that reads 'PSE available power' be changed to read 'PSE maximum available power'.

Proposed Response Response Status 0

CI 79	SC 79.3.7.3	P 222	L 15	# 344
Law, Davi	d	HPE		
Comment Sugge	51	Comment Status X bugh65535' should be cl	nanged to read ' the	rough 65535'.
Suggestee See c	dRemedy omment.			
Proposed	Response	Response Status 0		

CI 79	SC 79.4.2	P 224	L 35	# 345
Law, David	1	HPE		

Comment Type **TR** Comment Status X

Table 79-8 'IEEE 802.3 Organizationally Specific TLV/LLDP Local System Group managed object class cross references' lists a number of new attributes in the 'LLDP Local System Group managed object class attribute' column for the 'Power via MDI' TLV that have not been defined in Clause 30.

SuggestedRemedy

Add the following attributes to the 'LLDP Power via MDI Local Package (conditional)' package in Table 30-7 as well as definitions for each attribute as subclauses of subclause 30.12.2.1 'LLDP Local System Group attributes'.

aLldpXdot3LocPowerClassx aLldpXdot3LocPowerTvpex aLldpXdot3Loc4PID aLldpXdot3LocPDPI aLldpXdot3LocPSEMaxAvailPower aLldpXdot3LocPSEAutoclassSupport aLldpXdot3LocAutoclassCompleted aLldpXdot3LocAutoclassRequest aLldpXdot3LocPowerDownRequest

Proposed Response Response Status 0

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

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<i>CI</i> 79 Law. David	SC 79.4.2	<i>P</i> 225 HPE	L 23	# 346	<i>Cl</i> 79 Law, David	SC 79.4.2	<i>P</i> 226 HPE	L 32	# 347
manag Syster Measu Suggester	Type TR 79–8 'IEEE 802. ged object class m Group manage urements' TLV th <i>dRemedy</i> d a new 'LLDP P	HPE Comment Status X 3 Organizationally Specific Ti cross references' lists a num ed object class attribute' colur hat have not been defined in C	ber of new attrik mn for the 'Pow Clause 30.	outes in the 'LLDP Local er via MDI	Comment Typ Table 79- managed Remote S that have SuggestedRe Add the f	-9 'IEEE 802 object class System Grou not been de <i>medy</i> ollowing attril	HPE Comment Status X 3 Organizationally Specific T cross references' lists a num o managed object class attrib ined in Clause 30. putes to the 'LLDP Power via a swell as definitions for eac	per of new attrib ute' column for t MDI Remote Pa	utes in the 'LLDP he 'Power via MDI' TLV ckage (conditional)'
Packa [3] Ad 'LLDP aLldp) aLldp) aLldp) aLldp) aLldp)	age (conditional)' d definitions for e ' Local System G Xdot3LocPDMea Xdot3LocPDMea Xdot3LocPDMea Xdot3LocPDMea Xdot3LocPDMea	each of the following attribute roup attributes'. sVoltageSupport sCurrentSupport			30.12.3.1 aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc aLldpXdc	'LLDP Remo t3RemPowe t3RemPowe t3RemPDPI t3RemPSEM t3RemPSEA t3RemPSEA t3RemPAutoc	ote System Group attributes'. Classx		
aLidp) aLidp) aLidp) aLidp) aLidp) aLidp) aLidp) aLidp) aLidp)	Xdot3LocPDMea Xdot3LocPSEMe Xdot3LocPSEMe Xdot3LocPSEMe Xdot3LocPSEMe Xdot3LocPSEMe Xdot3LocPSEMe Xdot3LocPSEMe	surementEnergy easVoltageSupport easCurrentSupport easEnergySupport easurementSource easurementVoltage easurementVoltage easurementCurrent easurementEnergy			Proposed Re		Response Status O		

Response Status 0

Proposed Response

C/ 79 SC 79. 4 Law, David	.2 P 227 HPE	L 23	# 348	C/ 33A Szczepane	SC 33A ek, Andre	<i>Р</i> 233 Inphi	L 8	# 349
Comment Type TI Table 79–9 'IFFF		TI V/I I DP Remot	e System Group	Comment Redun		Comment Status X	nstructions on w	hat to do BEFORF WG
managed object of Remote System (Measurements' T SuggestedRemedy [1] Add a new 'LL to Table 30-7 [2] Add the follow Package (conditio [3] Add definitions 'LLDP Remote Sy aLldpXdot3RemP aLldpXdot3RemP aLldpXdot3RemP aLldpXdot3RemP aLldpXdot3RemP aLldpXdot3RemP aLldpXdot3RemP aLldpXdot3RemP	802.3 Organizationally Specific class cross references' lists a nur Group managed object class attri LV that have not been defined in DP Power via MDI measurement ing attributes to the new 'LLDP P onal)' package. If or each of the following attribut retern Group attributes'. DMeasVoltageSupport DMeasCurrentSupport DMeasurementSource DMeasurementVoltage DMeasurementCurrent DMeasurementEnergy SEMeasVoltageSupport SEMeasCurrentSupport	nber of new attribu bute' column for th Clause 30. Remote Package ower via MDI mea	utes in the 'LLDP he 'Power via MDI e (conditional)' package asurement Remote	ballot. "Editor end of Prior to frame Suggestea Remov Proposed a CI 33 Yseboodt, Comment We ha My log	This is the WG r's Note: (to be r the draft. o Working Grou book." <i>IRemedy</i> ve editprs note <i>Response</i> SC 33 Lennart <i>Type</i> ER ave multiple vari- gic is this:	emented) editors note giving i ballot ! removed prior to Working Gro p ballot, editor should move C <i>Response Status</i> 0 <i>P</i> 41 <i>Philips</i> <i>Comment Status</i> X ants of the One True "ICon-2F except if the suffix directly ap	up ballot) - All ar lause 79 before <i>L</i> 1 2-unb" in the doc	Annex 33A in the Annex 33A in the # <u>350</u>
aLldpXdot3RemF aLldpXdot3RemF aLldpXdot3RemF aLldpXdot3RemF	SEMeasEnergySupport SEMeasurementSource SEMeasurementVoltage SEMeasurementVoltage SEMeasurementCurrent SEMeasurementEnergy			- Use ı Suggestea	underscores for <i>IRemedy</i> ce all "ICon_2P ₋	unb", "ICon-2P_unb" and suc <i>Response Status</i> O	r after "-2P".	
Proposed Response	Response Status 0			<i>Cl</i> 33 Yseboodt,	SC 33.1.3 Lennart	P 43 Philips	L 31	# 351
				Comment	Туре Е	Comment Status X here is a table footnote with "I	Minimum Cabling	д Туре".
					potnote points to s essentially the	9 33.1.3.1 and 33.1.3.2 do w next page ?	e really need to	point the reader to
					ove table 33-1 f	ootnote 2 num cabling type' and 'Nomin	al highest currer	nt per pair'
				Proposed		Response Status O	a. mgnoot ourior	

ou ee					D	1.04	"
C/ 33 SC 33.2.5.1.1 Yseboodt, Lennart	1 P 54 Philips	L 6	# 352	Cl 33 SC 33.2.5.9 Yseboodt, Lennart	P 67 Philips	L 34	# 355
Comment Type E	Comment Status X semi-independent state diagr	rams for the Prim	any and Secondary	Comment Type T Variable highest_2P is	Comment Status X		
pairset become active."			ary and Decondary	SuggestedRemedy	not used anymore.		
That should be Alternat	tive rether then poirest			Remove variable high	act 2D		
SuggestedRemedy	ilve fattler than pailset.			Proposed Response	Response Status 0		
	semi-independent state diagr tive."	rams for the Prim	ary and Secondary		Response Status		
Proposed Response	Response Status O			C/ 33 SC 33.2.5.9 Yseboodt, Lennart	Р 70 Philips	L 16	# 356
/ 33 SC 33.2.5.1.1 seboodt, Lennart	1 P 55 Philips	L 11	# 353		Comment Status X changed "power_not_available lone for power_not_available		ilable".
Comment Type E	Comment Status X			SuggestedRemedy			
"Monitoring of MPS and	own when it belongs to the	dual-signature na	aragraph above it	Change			
is in a paragraph on its	own, when it belongs to the	dual-signature pເ	aragraph above it.	- Reverse F	available_pri" and "_sec" alse/True meaning in the vari re "!" in the state machine wh		ables are used
is in a paragraph on its SuggestedRemedy Merge paragraphs.	own, when it belongs to the Response Status O	edual-signature pa	aragraph above it.	- to "power_ - Reverse F	alse/True meaning in the vari		ables are used
is in a paragraph on its uggestedRemedy Merge paragraphs. roposed Response	, j	L 3	aragraph above it. # 354	- to "power_ - Reverse F - Add/remov	alse/True meaning in the vari 'e "!" in the state machine wh		ables are used # 357
is in a paragraph on its uggestedRemedy Merge paragraphs. roposed Response	Response Status 0			- to "power_ - Reverse F - Add/remov Proposed Response	alse/True meaning in the vari re "!" in the state machine wh <i>Response Status</i> O	erever these vari	
is in a paragraph on its SuggestedRemedy Merge paragraphs. Proposed Response Cl 33 SC 33.2.5.6 (seboodt, Lennart Comment Type T	Response Status O P 61 Philips Comment Status X	L3	# 354	- to "power_ - Reverse F - Add/remov Proposed Response Cl 33 SC 33.2.5.9	alse/True meaning in the vari re "!" in the state machine wh Response Status 0 P 72	erever these vari	
is in a paragraph on its SuggestedRemedy Merge paragraphs. Proposed Response Cl 33 SC 33.2.5.6 (seboodt, Lennart Comment Type T "When a Type 2 PSE p requirements of a Type Type 2 PSE for ICon, IL Parameter na	Response Status O P 61 Philips	L 3 E shall meet the F meet the electrica	# <u>354</u>	- to "power_ - Reverse F. - Add/remov Proposed Response Cl 33 SC 33.2.5.9 Yseboodt, Lennart Comment Type E Format error with Cap "Type 1 and Type 2 PS capable of supporting. Type 3 and Type 4 PS	alse/True meaning in the vari re "!" in the state machine wh <i>Response Status</i> O <i>P</i> 72 Philips <i>Comment Status</i> X ital letter in class events SEs shall issue no more Class its shall issue no more Class between the most recent time	L 48 L 48 Se events than the	# <u>357</u> e Class they are Class they are
is in a paragraph on its SuggestedRemedy Merge paragraphs. Proposed Response Cl 33 SC 33.2.5.6 Seboodt, Lennart Comment Type T "When a Type 2 PSE p requirements of a Type Type 2 PSE for ICon, IL Parameter na SuggestedRemedy	Response Status O P 61 Philips Comment Status X powers a Type 1 PD, the PSE a 1 PSE, but may choose to p LIM, TLIM, and PType (see ames have changed.	L 3 E shall meet the F meet the electrica Table 33-17)."	# <u>354</u> PI electrical al requirements of a	- to "power_ - Reverse F - Add/remov Proposed Response Cl 33 SC 33.2.5.9 Yseboodt, Lennart Comment Type E Format error with Cap "Type 1 and Type 2 Ps capable of supporting. Type 3 and Type 4 PS capable of supporting	alse/True meaning in the vari re "!" in the state machine wh <i>Response Status</i> O <i>P</i> 72 Philips <i>Comment Status</i> X ital letter in class events SEs shall issue no more Class its shall issue no more Class between the most recent time	L 48 L 48 Se events than the	# <u>357</u> e Class they are Class they are
is in a paragraph on its SuggestedRemedy Merge paragraphs. Proposed Response Cl 33 SC 33.2.5.6 (seboodt, Lennart Comment Type T "When a Type 2 PSE p requirements of a Type Type 2 PSE for ICon, IL Parameter na SuggestedRemedy "When a Type 2 PSE p requirements of a Type	Response Status O P 61 Philips Comment Status X powers a Type 1 PD, the PSE a 1 PSE, but may choose to a LIM, TLIM, and PType (see ames have changed. powers a Type 1 PD, the PSE a 1 PSE, but may choose to a	L 3 E shall meet the F meet the electrica Table 33-17)." E shall meet the F meet the electrica	# <u>354</u> PI electrical al requirements of a PI electrical al requirements of a	- to "power_ - Reverse F - Add/remov Proposed Response Cl 33 SC 33.2.5.9 Yseboodt, Lennart Comment Type E Format error with Cap "Type 1 and Type 2 Ps capable of supporting. Type 3 and Type 4 PS capable of supporting TReset and a transitio SuggestedRemedy "Type 1 and Type 2 Ps	alse/True meaning in the vari re "!" in the state machine wh <i>Response Status</i> O <i>P</i> 72 Philips <i>Comment Status</i> X ital letter in class events SEs shall issue no more Class between the most recent time n to POWER_UP."	L 48 L 48 Se events than the s events than the e VPSE was at V	# 357 e Class they are Class they are Reset for at least
is in a paragraph on its SuggestedRemedy Merge paragraphs. Proposed Response CI 33 SC 33.2.5.6 Yseboodt, Lennart Comment Type T "When a Type 2 PSE p requirements of a Type Type 2 PSE for ICon, IL Parameter na SuggestedRemedy "When a Type 2 PSE p requirements of a Type	Response Status O P 61 Philips Comment Status X powers a Type 1 PD, the PSE a 1 PSE, but may choose to a LIM, TLIM, and PType (see ames have changed. powers a Type 1 PD, the PSE	L 3 E shall meet the F meet the electrica Table 33-17)." E shall meet the F meet the electrica	# <u>354</u> PI electrical al requirements of a PI electrical al requirements of a	- to "power_ - Reverse F. - Add/remov Proposed Response Cl 33 SC 33.2.5.9 Yseboodt, Lennart Comment Type E Format error with Cap "Type 1 and Type 2 PS capable of supporting. Type 3 and Type 4 PS capable of supporting TReset and a transitio SuggestedRemedy "Type 1 and Type 2 PS capable of supporting. Type 1 and Type 2 PS capable of supporting. Type 3 and Type 4 PS	alse/True meaning in the vari re "!" in the state machine wh <i>Response Status</i> O <i>P</i> 72 Philips <i>Comment Status</i> X Ital letter in class events SEs shall issue no more Class between the most recent time n to POWER_UP." SEs shall issue no more class the most recent time VPSE	L 48 L 48 Se events than the e VPSE was at V s events than the e events than the	# <u>357</u> e Class they are Class they are Reset for at least e Class they are Class they are capal

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID Comment ID 357

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C/ 33 SC 33.3.3.14 P 134 L 20 # 358 Yseboodt, Lennart Philips	C/ 33 SC 33.3.4 P 138 L 46 # 360 Yseboodt, Lennart Philips
Comment Type E Comment Status X	Comment Type E Comment Status X
do_class_timing_modeB returns variable "short_mps". This needs to be handled on a per pairset basis.	"A PD presents a valid detection signature while it is in a state where it accepts power via the PI, but is not powered via the PI per Figure 33-32."
SuggestedRemedy Rename "short_mps" to "short_mps_modeB" and rename where needed in the state diagram.	At the very least we need to add references to the other state machines. What is "a state where it accepts power via the PI" ? I can only imagine this being mdi_power_required.
Proposed Response Response Status O	If so this statement is wrong: - not required to do valid detect when in IDLE - not possible to do valid detect when in CLASS - not allowed to do valid detect when in MARK
X 33 SC 33.3.3.15 P 136 L 35 # 359	SuggestedRemedy
Seboodt, Lennart Philips Comment Type T Comment Status X	"A PD presents a valid detection signature when it is the DO_DETECTION state as defined in Figure 33-31, Figure 33-32, Figure 33-33, Figure 33-34."
The dual-sig PD state diagram has states DLL_ENABLE_modeA (and modeB as well). They don't need this. DLL is mandatory for dual-signature, regardless of Class.	Proposed Response Response Status O
SuggestedRemedy	
 Remove states DLL_ENABLE_modeA and DLL_ENABLE_modeB Add statement "pd_dll_enabled <= TRUE" to the MDI_POWER1_modeA state Add statement "pd_dll enabled <= TRUE" to the MDI_POWER1_modeB state 	C/ 33 SC 33.3.4 P 138 L 49 # 361 Yseboodt, Lennart Philips
	Comment Type E Comment Status X
Proposed Response Response Status O	"A PD presents a non-valid detection signature at the PI while it is in a state where it does not accept power via the PI per Figure 33-32." Add references to the other state diagrams and add reference to pairset for dual-sig.
	SuggestedRemedy "A PD presents a non-valid detection signature at the PI or pairset while it is in a state where it does not accept power via the PI per Figure 33-31, Figure 33-32, Figure 33-33, and Figure 33-34."

Proposed Response

Comment ID 361

Response Status 0

	P 138	1 50	# 362	C/ 33 SC 33.3.4	P 139	L 45	# 365
CI 33 SC 33.3.4		L 53	# 302			L 43	# 303
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type E	Comment Status X			Comment Type T	Comment Status X		
	or Type 4 PD presents a non-va ure 33-31, Figure 33-32, and Fig		ature when in a mark		d PD detection signature chara er "Voltage at the PI" with Conc		
Missing figure ref.				Since detection hap	pens only over 2P (right?), this	should be IPort-	2P.
SuggestedRemedy				SuggestedRemedy			
	or Type 4 PD presents a non-va ure 33-31, Figure 33-32, Figure 3			Change IPort to IPo Change ", measur	t-2P ed at PD PI" to ", measured a	at the PD PI"	
Proposed Response	Response Status O			Proposed Response	Response Status O		
CI 33 SC 33.3.4	P 139	L 7	# 363	C/ 33 SC 33.3.4	P 140	L 6	# 366
'seboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type T	Comment Status X			Comment Type ER	Comment Status X		
4PID in Table 79-6	the ability to accept power on b o or by presenting a valid detect over only one pairset."			"Rdetect_invalid" in detection signature	ainst D1.7 changed the Parame Table 33-22. Tables 33-21 and consists of respectively. The rel	33-22 show what ference to Rdete	at a valid and invalid
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and	ion signature on t d Type 2 dual-sign it.	he unpowered pairset, nature PDs, something	"Rdetect_invalid" in detection signature and it is correct to u <i>SuggestedRemedy</i> In Table 33-22, rena	Table 33-22. Tables 33-21 and consists of respectively. The re- se that same name in both table me "Rdetect_invalid" to "Rdete	33-22 show what ference to Rdete es.	at a valid and invalid
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct or See item b in 33.2.6	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above	ion signature on t d Type 2 dual-sign it.	he unpowered pairset, nature PDs, something	"Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy	Table 33-22. Tables 33-21 and consists of respectively. The related that same name in both table	33-22 show what ference to Rdete es.	at a valid and invalid
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co See item b in 33.2.6 SuggestedRemedy "A PD may indicate	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 5.7, PSEs are allowed to power the ability to accept power on b	ion signature on t d Type 2 dual-sign it. such a device on	he unpowered pairset, nature PDs, something 4P.	"Rdetect_invalid" in detection signature and it is correct to u <i>SuggestedRemedy</i> In Table 33-22, rena <i>Proposed Response</i>	Table 33-22. Tables 33-21 and consists of respectively. The re- se that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> O	33-22 show wha ference to Rdete es. ct".	at a valid and invalid ect is to Equation 33-2
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co See item b in 33.2.6 SuggestedRemedy "A PD may indicate 4PID in Table 79-6t	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 6.7, PSEs are allowed to power the ability to accept power on b o."	ion signature on t d Type 2 dual-sign it. such a device on	he unpowered pairset, nature PDs, something 4P.	"Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response	Table 33-22. Tables 33-21 and consists of respectively. The re- se that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> O <i>P</i> 140	33-22 show what ference to Rdete es.	at a valid and invalid
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co See item b in 33.2.6 SuggestedRemedy "A PD may indicate 4PID in Table 79-6t	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 5.7, PSEs are allowed to power the ability to accept power on b	ion signature on t d Type 2 dual-sign it. such a device on	he unpowered pairset, nature PDs, something 4P.	"Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response Cl 33 SC 33.3.4 Yseboodt, Lennart	Table 33-22. Tables 33-21 and consists of respectively. The relise that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> 0 <i>P</i> 140 Philips	33-22 show wha ference to Rdete es. ct".	at a valid and invalid act is to Equation 33-
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co See item b in 33.2.6 SuggestedRemedy "A PD may indicate 4PID in Table 79-6t Proposed Response	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 5.7, PSEs are allowed to power the ability to accept power on b b." <i>Response Status</i> O	ion signature on t I Type 2 dual-sign it. such a device on oth pairsets using	he unpowered pairset, nature PDs, something 4P. g TLV variable PD	 "Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response Cl 33 SC 33.3.4 Yseboodt, Lennart Comment Type T 	Table 33-22. Tables 33-21 and consists of respectively. The reise that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> O <i>P</i> 140 Philips <i>Comment Status</i> X	33-22 show what ference to Rdete es. ct". <i>L</i> 13	at a valid and invalid act is to Equation 33- # <u>367</u>
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct cc See item b in 33.2.6 uggestedRemedy "A PD may indicate 4PID in Table 79-6t proposed Response	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 5.7, PSEs are allowed to power the ability to accept power on b c." <i>Response Status</i> 0	ion signature on t d Type 2 dual-sign it. such a device on	he unpowered pairset, nature PDs, something 4P.	"Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response Cl 33 SC 33.3.4 Yseboodt, Lennart Comment Type T Figure 33-35 on 'Va	Table 33-22. Tables 33-21 and consists of respectively. The relise that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> 0 <i>P</i> 140 Philips	33-22 show what ference to Rdete es. ct". <i>L</i> 13	at a valid and invalid act is to Equation 33- # 367
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct or See item b in 33.2.6 SuggestedRemedy "A PD may indicate 4PID in Table 79-6t Proposed Response	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 5.7, PSEs are allowed to power the ability to accept power on b b." <i>Response Status</i> O	ion signature on t I Type 2 dual-sign it. such a device on oth pairsets using	he unpowered pairset, nature PDs, something 4P. g TLV variable PD	"Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response Cl 33 SC 33.3.4 Yseboodt, Lennart Comment Type T Figure 33-35 on 'Va SuggestedRemedy	Table 33-22. Tables 33-21 and consists of respectively. The relise that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> 0 <i>P</i> 140 <i>Philips</i> <i>Comment Status</i> X id PD detection signature offse	33-22 show what ference to Rdete es. ct". <i>L</i> 13	at a valid and invalid act is to Equation 33- # <u>367</u>
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co See item b in 33.2.6 SuggestedRemedy "A PD may indicate 4PID in Table 79-6t Proposed Response Cl 33 SC 33.3.4 (seboodt, Lennart Comment Type E	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 5.7, PSEs are allowed to power the ability to accept power on b c." <i>Response Status</i> 0	ion signature on t I Type 2 dual-sign it. such a device on oth pairsets using	he unpowered pairset, nature PDs, something 4P. g TLV variable PD	"Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response Cl 33 SC 33.3.4 Yseboodt, Lennart Comment Type T Figure 33-35 on 'Va	Table 33-22. Tables 33-21 and consists of respectively. The relise that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> 0 <i>P</i> 140 <i>Philips</i> <i>Comment Status</i> X id PD detection signature offse	33-22 show what ference to Rdete es. ct". <i>L</i> 13	at a valid and invalid act is to Equation 33-2 # 367
4PID in Table 79-6t when it is powered The last part of the we have left out of s It is also in direct co See item b in 33.2.6 SuggestedRemedy "A PD may indicate 4PID in Table 79-6t Proposed Response C/ 33 SC 33.3.4 Yseboodt, Lennart Comment Type E The section still cor SuggestedRemedy	o or by presenting a valid detect over only one pairset." sentence is a hint at Type 1 and scope. onflict with the paragraph above 6.7, PSEs are allowed to power the ability to accept power on b b." <i>Response Status</i> O <i>P</i> 139 Philips <i>Comment Status</i> X	ion signature on t d Type 2 dual-sign it. such a device on oth pairsets using <i>L</i> 30	he unpowered pairset, nature PDs, something 4P. g TLV variable PD	 "Rdetect_invalid" in detection signature and it is correct to u SuggestedRemedy In Table 33-22, rena Proposed Response Cl 33 SC 33.3.4 Yseboodt, Lennart Comment Type T Figure 33-35 on 'Va SuggestedRemedy Replace by IPort-2P 	Table 33-22. Tables 33-21 and consists of respectively. The rei se that same name in both table me "Rdetect_invalid" to "Rdete <i>Response Status</i> O <i>P</i> 140 <i>Philips</i> <i>Comment Status</i> X id PD detection signature offse	33-22 show what ference to Rdete es. ct". <i>L</i> 13	at a valid and invalid act is to Equation 33-2

C/ 33 SC 33 Yseboodt, Lennart		L 36	# 368	Cl 33 SC 33.3.4 Yseboodt, Lennart	5 P 140 Philips	L 48	# 371
*	E Comment Status X			Comment Type E	Comment Status X		
In 33.3.5 the re	equirements for dual-signature a se in the draft this is reversed.	re listed first, followe	ed by single-signature.		5 on PD signature we list the tw	vo requirements fo	or single and dual sig
,	, aph on single-signature first.			SuggestedRemedy			
Proposed Respons					n: ts allow the PD to be correctly i s defined in 33.2.6.1."	dentified by a PSI	E performing
C/ 33 SC 33 Yseboodt, Lennart		L 42	# 369	Proposed Response	Response Status 0		
	E Comment Status X ardless of any voltage applied to	Mode B between 0\	/ and 57V, and	C/ 33 SC 33.3.6 Yseboodt, Lennart	5 P 140 Philips	L 54	# 372
Mode B rega	ardless of any voltage applied to	Mode A between 0	/ and 57V.	Comment Type E	Comment Status X		
Missing comma SuggestedRemedy	a after 'Mode x'.				ass during Physical Layer class pe 4 PD shall draw across all ir		
"- Mode A, rega				Clunky.			
Proposed Respons				modes.			
				SuggestedRemedy			
	3.3.5 P 140	L 45	# 370		ed by the PD during Physical L 3 or Type 4 PD shall draw."	ayer classification	n is the maximum
CI 33 SC 33				Proposed Response	Response Status O		
Yseboodt, Lennart							
/seboodt, Lennart Comment Type "A single-signat voltage or curre	Philips	all present an invali	d detection signature on	C/ 33 SC 33.3.0 Yseboodt, Lennart	5 P 141 Philips	L 21	# 373
/seboodt, Lennart Comment Type "A single-signat voltage or curre Mode A, when a Written this way PD that manag	Philips TR Comment Status X ature PD shall present a valid de ent is applied to Mode B, and sh	all present an invali 57V is applied to M r Mode A. While it is Mode A, but fails to	d detection signature on ode B." s difficult to conceive a	Yseboodt, Lennart <i>Comment Type</i> T " shall conform to		and shall provide t	the user with an active
 Zseboodt, Lennart Comment Type "A single-signal voltage or curred Mode A, when a Written this way PD that manage creativity of imp 	Philips TR Comment Status X ature PD shall present a valid de ent is applied to Mode B, and sh any voltage between 10.1V and any, the requirement only holds for ges to meet this requirement on plementors should never be und	all present an invali 57V is applied to M r Mode A. While it is Mode A, but fails to	d detection signature on ode B." s difficult to conceive a	Yseboodt, Lennart Comment Type T " shall conform to indication if underp	Philips Comment Status X Type 1 PD power restrictions a owered. The method of active in	and shall provide t	the user with an active
 Zseboodt, Lennart Comment Type "A single-signal voltage or curred Mode A, when a Written this way PD that manage creativity of imp SuggestedRemedy "A single-signal when no voltage 	Philips TR Comment Status X ature PD shall present a valid de ent is applied to Mode B, and sh any voltage between 10.1V and adv, the requirement only holds for ges to meet this requirement on plementors should never be unc during PD shall present a valid de ge or current is applied to the oth	all present an invali 57V is applied to M r Mode A. While it is Mode A, but fails to erestimated. tection signature on er Mode, and shall	d detection signature on ode B." s difficult to conceive a do so on Mode B, the Mode A or Mode B, present an invalid	Yseboodt, Lennart Comment Type T " shall conform to indication if underp The 'active indicatio - untestable	Philips Comment Status X Type 1 PD power restrictions a owered. The method of active in	and shall provide t	the user with an active
(seboodt, Lennart Comment Type "A single-signal voltage or curre Mode A, when Written this way PD that manag creativity of imp SuggestedRemedy "A single-signal when no voltag detection signal	Philips TR Comment Status X ature PD shall present a valid de ent is applied to Mode B, and sh any voltage between 10.1V and adv, the requirement only holds for ges to meet this requirement on plementors should never be uncover ature PD shall present a valid de ge or current is applied to the oth ature on Mode A or Mode B, whe	all present an invali 57V is applied to M r Mode A. While it is Mode A, but fails to erestimated. tection signature on er Mode , and shall on any voltage betwee	d detection signature on ode B." s difficult to conceive a do so on Mode B, the Mode A or Mode B, present an invalid een 10.1V and 57V is	Yseboodt, Lennart Comment Type T " shall conform to indication if underp The 'active indicatio - untestable	Philips Comment Status X Type 1 PD power restrictions a owered. The method of active in on' shall is:	and shall provide t	the user with an active
Yseboodt, Lennart Comment Type "A single-signat voltage or curre Mode A, when Written this way PD that manag creativity of imp SuggestedRemedy "A single-signat when no voltag detection signa	Philips TR Comment Status X ature PD shall present a valid de ent is applied to Mode B, and sh any voltage between 10.1V and by, the requirement only holds for ges to meet this requirement on plementors should never be unc during PD shall present a valid de ge or current is applied to the oth ature on Mode A or Mode B, whe other Mode. These requirements	all present an invali 57V is applied to M r Mode A. While it is Mode A, but fails to erestimated. tection signature on er Mode , and shall on any voltage betwee	d detection signature on ode B." s difficult to conceive a do so on Mode B, the Mode A or Mode B, present an invalid een 10.1V and 57V is	Yseboodt, Lennart <i>Comment Type</i> T " shall conform to indication if underp The 'active indicatio - untestable - out of scope for a <i>SuggestedRemedy</i>	Philips Comment Status X Type 1 PD power restrictions a owered. The method of active in on' shall is:	and shall provide t ndication is left to	the user with an active

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID Comment ID 373

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C/ 33 SC 33.3.6.2.1	P 144	L 3	# 374	C/ 33 SC 33.3.7	P 145	L 5	# 377
Yseboodt, Lennart	Philips			Yseboodt, Lennart	Philips		
Comment Type E	Comment Status X			Comment Type T	Comment Status X		
"When the PD is prese Figure 33-32"	nting a mark event signature a	as shown in the	e state diagram of		power_level to '1' when the	PD enters the D	O_DETECTION sta
Incomplete Figure refer	ence			Wrong. Should be 3.			
SuggestedRemedy				SuggestedRemedy			
"When the PD is prese	nting a mark event signature a 3-32, Figure 33-33, and Figure		e state diagram of	Possible OBE by yseboo	power_level to '3' when the odt_04_0916_psetypeid.pdf	PD enters the D	O_DETECTION stat
Proposed Response		33-34		Proposed Response	Response Status 0		
roposed Response	Response Status O						
				C/ 33 SC 33.3.8	P 145	L 15	# 378
C/ 33 SC 33.3.6.3	P 144	L 23	# 375	Yseboodt, Lennart	Philips		
/seboodt, Lennart	Philips			Comment Type E	Comment Status X		
Comment Type E "See Annex 33C for mo	Comment Status X pre information on Autoclass."	,		The fontsize of the addit This damn problem keep	ional information field in Tat os reappearing.	ble 33-28 is incor	nsistent.
There is no such thing.				SuggestedRemedy			
SuggestedRemedy Axe sentence.				Make font size correct. Proposed Response	Response Status O		
Proposed Response	Response Status O						
				C/ 33 SC 33.3.8	P 145	L 41	# 379
CI 33 SC 33.3.7	P 145	L 1	# 376	Yseboodt, Lennart	Philips		
/seboodt, Lennart	Philips	21	<i>"</i> 370	Comment Type TR	Comment Status X		
Comment Type TR The section on PSE Ty	Comment Status X pe identification has two prob a 3 and Type 4, we lost the lea			At Class 8 worst case worst case worst case work at a class 8 worst case work at a class work	rrect value for Type 4 overlo e have Pclass_pd-2P = 1.05 e is 52 - 6.25 * 1.841 = 40.5\	5 * 71W = 74.55V	V, with current =
SuggestedRemedy				SuggestedRemedy			
	16 psetypeid pdf			,	m 3, Type 4 value from 39.5	5 to 40.5	
Adopt yseboodt_04_09	io_psetypeiu.pui						

C/ 33 SC 33.3.8 Yseboodt, Lennart	P 146 Philips	L 29	# 380	C/ 33 SC 33.3.8.2 Yseboodt, Lennart	.1 P 148 Philips	L 35	# 382
comment Type T TDELAY_COMMEN	Comment Status X			Comment Type E "33.3.8.2.1 Input aver	Comment Status X age power for certain Class 6	and Class 8 PD	5"
Since the text in 33.	ave both Tdelay and Tdelay-2P 3.8.3 never uses Tdelay, and th /e don`t really need the Tdelay p	is text is written		sounding header.	ect, the word 'certain' causes mentioned in the section.	this to be a very	odd and unsure
SuggestedRemedy				SuggestedRemedy			
- Remove Table 33-	-28, item 8			"33.3.8.2.1 Input aver	age power for Class 6 and Cla	ass 8 PDs"	
	28, item 9 (Tdelay-2P), add info ean up Tdelay references.	to read "See 33.	3.8.3".	Proposed Response	Response Status O		
Proposed Response	Response Status O						
C/ 33 SC 33.3.8	.1 <i>P</i> 148	L 15	# 381	C/ 33 SC 33.3.8.2 Yseboodt, Lennart	.2 P 148 Philips	L 47	# 383
Yseboodt, Lennart	Philips	213	# 301	Comment Type T	Comment Status X		
				In the section "System	n stability test conditions durir	g startup and ste	eady state operation"
Comment Type T	Comment Status X PD at a voltage outside of V Port			we find:			
Now that we have th the state diagram. SuggestedRemedy	his text, we can do away with the	e inelegant MDI_	NOPOWER state in		l operate at PPort_PD , as de ned in Table 33-28, and with th 8."		
,	nove variable 'pd_undefined'						
- From Figure 33-32 - From 33.3.3.12 rei - From Figure 33-33	2 remove state MDI_NOPOWER move variables 'pd_undefined_n 8 remove state MDI_NOPOWER I remove state MDI_NOPOWER Response Status 0	nodeA' and _mo _modeA	deB	with R Ch (as defined in Table 33-28, with th	re PD is supplied with V Port_ in Table 33-1) in series, it sha he ripple and noise content as Itage range as defined by Tab	all operate at PP defined in Table	ort_PD-2P , as define
				with it.	uirements already in Table 33 ng in this section anyway.	-28, a Table that	has a shall associate
				SuggestedRemedy			
				Remove both paragra	phs from this section.		
				Proposed Response	Response Status O		
				r ioposed Response	Response Status U		

C/ 33 SC 33.3.8.3 P 149 L 1 # 384 Yseboodt, Lennart Philips	C/ 33 SC 33.3.8.3 P 149 L 28 # 387 Yseboodt, Lennart Philips
Comment Type E Comment Status X	Comment Type TR Comment Status X
The paragraph order in 33.3.8.3 isn`t entirely logical.	"Input inrush current at startup, IInrush PD-2P , is limited by the PSE if CPort-2P < 1 \sim
SuggestedRemedy	for dual-signature Type 3 PDs and if C Port-2P < 180 uF for dual-signature Type 4 F
- Move last paragraph (that describes Cport) to before the "Input inrush currents a	startup" Depends on assigned Class, not PD Type.
paragraph Move the NOTE to after the "Single-signature PDs assigned to" paragraph.	SuggestedRemedy
Proposed Response Response Status O	"Input inrush current at startup, IInrush PD-2P , is limited by the PSE if CPort-2P < 1 for dual-signature PDs assigned to Class 0 to 4, and if CPort-2P < 180 uF for dual- signature PDs assigned to Class 5."
C/ 33 SC 33.3.8.3 P 149 L 21 # 385	Proposed Response Response Status O
/seboodt, Lennart Philips	
Comment Type E Comment Status X	Cl 33 SC 33.2.5.11 P75 L 12 # 388
"The PD shall meet the inrush requirements with the PSE behavior described in 3	.2.8.5." Yseboodt, Lennart Philips
I guess the intent was to say "PD only needs to meet the inrush requirements if the complies to 33.2.8.5".	Spelling mistake
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. SuggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior desc	FSE Spelling mistake iter as "pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its o form. SuggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior deso 33.2.8.5."	Spelling mistake 'pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False."
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its o form. SuggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior deso 33.2.8.5."	FSE Spelling mistake iter as "pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. uggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior desc 33.2.8.5." roposed Response Response Status O 1 33 SC 33.3.8.3 P 149 L 23 # 386	Spelling mistake 'pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." Proposed Response Response Status 0 C/ 33 SC 33.2.5.11 P75 L 12 # 389
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. SuggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior desc 33.2.8.5." Proposed Response Response Status O Cl 33 SC 33.3.8.3 P 149 L 23 # 386 Seboodt, Lennart Philips	Spelling mistake "pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." "if" should be "of" SuggestedRemedy Change to: "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." Proposed Response Response Status 0 Cl 33 SC 33.2.5.11 P 75 L 12 # 389 Yseboodt, Lennart Philips
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. <i>RuggestedRemedy</i> Remove "The PD shall meet the inrush requirements with the PSE behavior desc 33.2.8.5." <i>Proposed Response Response Status Q</i> 33 <i>SC</i> 33.3.8.3 <i>P</i> 149 <i>L</i> 23 <i>Q</i> 33 <i>SC</i> 33.3.8.3 <i>Q</i> 33	Spelling mistake "pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." Proposed Response Response Status O Cl 33 SC 33.2.5.11 P 75 L 12 # 389 Yseboodt, Lennart Philips Comment Type TR Comment Status X
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. uggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior desc 33.2.8.5." troposed Response Response Status of 33 SC 33.3.8.3 P 149 L 23 # 386 seboodt, Lennart Philips	Spelling mistake "pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." Proposed Response Response Status O Cl 33 SC 33.2.5.11 P 75 L 12 # 389 Yseboodt, Lennart Philips Comment Type TR Comment Status X
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. <i>uggestedRemedy</i> Remove "The PD shall meet the inrush requirements with the PSE behavior desc 33.2.8.5." <i>Proposed Response</i> Response Status O <i>A</i> 33 SC 33.3.8.3 P 149 <i>L</i> 23 # <u>386</u> seboodt, Lennart Philips <i>comment Type</i> E Comment Status X "Editor's Note: These paragraphs have changed as a result of MR1277 and further	Spelling mistake "pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." irrent "if" should be "of" SuggestedRemedy Change to: "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." Proposed Response Response Status O Cl 33 SC 33.2.5.11 P 75 L 12 # [389] Yseboodt, Lennart Philips Comment Type TR Comment Status X work. The do_autoclassification text refer to T_ACS. That is the PD parameter, we need T_CLass_ACS. Also refers to wrong Table.
complies to 33.2.8.5". Do we really need to say this ? The same applies to nearly every other PD param well. Also, the earlier shalls are not conditional upon this one, so it has no effect in its of form. SuggestedRemedy Remove "The PD shall meet the inrush requirements with the PSE behavior desc 33.2.8.5." Proposed Response Response Status C/ 33 SC 33.3.8.3 P 149 L 23 # 386 C/ seboodt, Lennart Philips Comment Type E Comment Status X "Editor's Note: These paragraphs have changed as a result of MR1277 and further Do not change this paragraph without consulting the request of MR1277."	Spelling mistake 'pd_autoclass is set to True when a class signature if '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." 'irrent "if" should be "of" SuggestedRemedy Change to: 'pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." bed in "pd_autoclass is set to True when a class signature of '0' is detected during the TAC window, as defined in Table 33-27, otherwise it is set to False." Proposed Response Response Status O Cl 33 SC 33.2.5.11 P 75 L 12 # [389] Yseboodt, Lennart Philips Comment Type TR Comment Status X work. The do_autoclassification text refer to T_ACS. That is the PD parameter, we need T_CLass_ACS. Also refers to wrong Table. Also refers to wrong Table.

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 33 SC 33.2.5.11 Yseboodt, Lennart	P 75 Philips	L 41	# 390	Cl 33 SC 33.2.5.12 Yseboodt, Lennart	P 84 Philips	L 6	# 393
Comment Type TR The do_class_reset fun do_class_reset_p	Comment Status X nction is not used in the state ri and _sec are.	diagram.		Comment Type TR IDLE_SEC sets iclass_li SuggestedRemedy	Comment Status X	ld be an input to	the SD.
SuggestedRemedy Rename do_class_res the semicolon. Add similar do_cla	et to do_class_reset_pri and ass_reset_sec.	add "on the Prin	nary Alternative" before	00 ,	_sec <= FALSE" from the s Response Status 0	state IDLE_SEC	
Proposed Response	Response Status O			C/ 33 SC 33.2.5.12 Yseboodt, Lennart	P 87 Philips	L 40	# 394
C/ 33 SC 33.2.5.12 Yseboodt, Lennart Comment Type T	P 79 Philips Comment Status X	<i>L</i> 10	# 391		Comment Status X ss diagram, the state which CE_RESET_PRI". This is n		
In the IDLE state a larg	ge number of variables are ini fault values in the variable lis			SuggestedRemedy Rename the state to "CL	ASS_EV1_LCE_RESET_F	PRI" to "CLASS_I	EV1_LCE_4PID_PR
SuggestedRemedy - remove "sig_type <= not need to be set	open_circ" this variable is set	by the do_cxn_	chk function and does	Proposed Response	Response Status O		
 remove "det_temp <= remove "pse_dll_ena 	both_neither" and set both_ bled <= FALSE" and set as F let <= FALSE" this is an input Response Status O	ALSE as the de	fault in the var list	C/ 33 SC 33.2.5.12 Yseboodt, Lennart Comment Type E In the dual-signature cla	P 88 Philips Comment Status X ss diagram, the state which	L 40	# 395
C/ 33 SC 33.2.5.12 Yseboodt, Lennart	P 82 Philips	L 6	# [392]	named "CLAŠS_EV1_L(SuggestedRemedy	CE_RĚSET_SEC". This is _ASS_EV1_LCE_RESET_S	not a descriptive/	
Comment Type TR IDLE_PRI sets iclass_	Comment Status X lim_det_pri when this should	be an input to th	ne SD.	Proposed Response	– Response Status O		
	et_pri <= FALSE" from the sta	ate IDLE_PRI					
Proposed Response	Response Status O						

C/ 33 SC 33.2.5.12 P 90 L 1 # 396 Yseboodt, Lennart Philips	C/ 33 SC 33.2.6.4 P 93 L 31 # 398 Yseboodt, Lennart Philips
Comment Type T Comment Status X	Comment Type E Comment Status X
Comment #122 against D1.7 was accepted and consequently not implemented by our careless Editor.	Table 33-10 caption "Valid PD detection signature electrical characteristics" does not explain that is about the PSE PI measurement.
To make up for it, I suggest an even better remedy below.	SuggestedRemedy
This comment was about the inrush monitor state diagrams causing undefined behaviour.	Change to "Valid PD detection signature electrical characteristics, measured at the PSE
The arc from POWER_UP to POWER_ON contains "tinrushtimer_pri_done * pwr_app_pri". The monitor contains an arc from the monitor state to the idle state where the timer gets stopped. A stopped timer is not done.	Proposed Response Response Status O
SuggestedRemedy	Cl 33 SC 33.2.6.7 P 94 L 34 # 399
 Remove the arc from MONITOR_INRUSH_PRI to IDLE_INRUSH_PRI Remove the arc from MONITOR_INRUSH_SEC to IDLE_INRUSH_SEC 	Yseboodt, Lennart Philips
	Comment Type E Comment Status X
through IDLE. This in turn guarantees that the global arc into IDLE_INRUSH_PRI resets the monitor. As a bonus, this also fixes an annoying oscillation of the monitor SD when in POWER_ON. Proposed Response Response Status 0	PD_4pair_cand shall have a default value of 'FALSE', but may be set to 'TRUE' if the PSI has detected a valid detection signature on both pairsets and one or more of the following conditions are met:" Mis-capitalization of PD_4pair_cand
	SuggestedRemedy
C/ 33 SC 33.2.6.1 P91 L 16 # 397	Replace (2x) by pd_4pair_cand
/seboodt, Lennart Philips	Proposed Response Response Status O
Comment Type E Comment Status X	
The word 'reaches' is not clear, the SD is either in the IDLE state or not. "The connection check is rerun before applying power if power up fails to meet the timing	CI 33 SC 33.2.7 P 95 L 27 # 400
requirements in both Table 33-8 and 33.2.8.13, power is absent on both pairsets simultaneously, or if the state diagram reaches the IDLE state."	Yseboodt, Lennart Philips
Suggested Remedy	Comment Type TR Comment Status X
Change to: "The connection check is rerun before applying power if power up fails to meet the timing requirements in both Table 33-8 and 33.2.8.13, power is absent on both pairsets	Not the minimum power but the minimum supported power. "The minimum power output by the PSE for a particular PD Class, when powering a sing signature PD, or supplying power in 2-pair mode, is defined by Equation (33-2)."
simultaneously, or if the state diagram is in the IDLE state."	SuggestedRemedy
Proposed Response Response Status O	Change to: "The minimum output power a PSE supports for a particular PD Class, when powering a single-signature PD, or supplying power in 2-pair mode, is defined by Equation (33-2)."
	Proposed Posponse — Posponse Status O

Proposed Response Response Status **0**

CI 33	SC 33.2.7	P 95	L 42	# 401	C/ 33	SC 33.2.7	P 96	L 31	# 404
rseboodt	, Lennart	Philips			Yseboodt,	, Lennart	Philips		
Comment	Type TR	Comment Status X			Comment	Type E	Comment Status X		
"The	minimum output	ver but the minimum supporte power on a pairset for Type 3 ed by Equation (33-3)."		Es connected to a dual-	"NOT	EData Link La	is is in text on line 41 already yer classification takes preced		cal Layer classificatior
0	dRemedy	·····,			Suggeste	<i>dRemedy</i> ove NOTE unde	Table 22.42		
Chan "The	ge to: minimum output	power a PSE supports on a pignature PD is defined by Equ		3 and Type 4 PSEs		Response	Response Status 0		
Proposed	Response	Response Status O			C/ 33 Yseboodt,	SC 33.2.7 , Lennart	P 96 Philips	L 34	# 405
CI 33	SC 33.2.7	P 96	L 3	# 402	Comment	Туре Е	Comment Status X		
/seboodt	, Lennart	Philips					vrong, should be Equation (33		
Comment	Туре Е	Comment Status X					required power at the PSE Pl han. Use Equation (33-3) for o		
	lass is not in An				Rchar				
"If the	PD connected	nex 33C to the PSE performs Autoclas	s (see 33.2.7.3,	33.3.6.3, and Annex		n."			
"If the 33C),	PD connected		s (see 33.2.7.3,	33.3.6.3, and Annex	Rchar Suggestee Chang	n." <i>dRemedy</i> ge to:			
"If the 33C), S <i>uggeste</i> Chan	PD connected t " dRemedy ge to:				Rchar <i>Suggestee</i> Chan "This	n." <i>dRemedy</i> ge to: is the minimum id maximum Rc	required power at the PSE Pl han. Use Equation (33-2) for c	calculated using	ı minimum VPort_PSI
"If the 33C), Suggeste Chan "If the	PD connected t " dRemedy ge to:	to the PSE performs Autoclas			Rchar Suggester Chan "This 2P an Rchar	n." <i>dRemedy</i> ge to: is the minimum id maximum Rc	required power at the PSE P	calculated using	ı minimum VPort_PSI
"If the 33C), Suggester Chan "If the Proposed	PD connected " dRemedy ge to: PD connected Response SC 33.2.7	to the PSE performs Autoclas to the PSE performs Autoclas <i>Response Status</i> O <i>P</i> 96			Rchar Suggester Chan "This 2P an Rchar	n." <i>dRemedy</i> ge to: is the minimum id maximum Rc n."	required power at the PSE Pl han. Use Equation (33-2) for o	calculated using	ı minimum VPort_PSI
"If the 33C), Suggeste Chan "If the Proposed	PD connected " dRemedy ge to: PD connected Response SC 33.2.7	to the PSE performs Autoclas to the PSE performs Autoclas <i>Response Status</i> 0 <i>P</i> 96 Philips	s (see 33.2.7.3,	33.3.6.3),"	Rchai Suggester Chan "This 2P an Rchai Proposed	n." dRemedy ge to: is the minimum is the minimum n." <i>Response</i> SC 33.2.7	required power at the PSE Pl han. Use Equation (33-2) for o <i>Response Status</i> 0	calculated using other values of VI	I minimum VPort_PSE Port_PSE-2P and
"If the 33C), Suggeste Chan "If the Proposed C/ 33 (seboodt, Comment	PD connected " dRemedy ge to: PD connected Response SC 33.2.7 Lennart Type T	to the PSE performs Autoclas to the PSE performs Autoclas <i>Response Status</i> O <i>P</i> 96 Philips <i>Comment Status</i> X	s (see 33.2.7.3, L 4	33.3.6.3),"	Rchar Suggester "This 2P an Rchar Proposed C/ 33 Yseboodt, Comment	n." <i>dRemedy</i> ge to: is the minimum id maximum Rc n." <i>Response</i> SC 33.2.7 , Lennart <i>Type</i> E	required power at the PSE Pl han. Use Equation (33-2) for o <i>Response Status</i> O <i>P</i> 96 Philips <i>Comment Status</i> X	l calculated using other values of VI	minimum VPort_PS Port_PSE-2P and # <u>406</u>
"If the 33C), Suggester Chan "If the Proposed Cl 33 (seboodt Comment Not th	PD connected f " dRemedy ge to: PD connected f Response SC 33.2.7 Lennart Type T ne minimum pow	to the PSE performs Autoclas to the PSE performs Autoclas <i>Response Status</i> 0 <i>P</i> 96 Philips	s (see 33.2.7.3, <i>L</i> 4 d power.	33.3.6.3)," # [<u>403</u>	Rchar Suggester Chan "This 2P an Rchar Proposed C/ 33 Yseboodt, Comment Maxin	n." <i>dRemedy</i> ge to: is the minimum id maximum Rc n." <i>Response</i> SC 33.2.7 , Lennart <i>Type</i> E num power avai	required power at the PSE Pl han. Use Equation (33-2) for o <i>Response Status</i> 0 <i>P</i> 96 Philips	l calculated using other values of VI <i>L</i> 34 this is in Table 33	minimum VPort_PSI Port_PSE-2P and # <u>406</u>
"If the 33C), Suggester Chan "If the Proposed C/ 33 (seboodt Comment Not th ", th	PD connected f " dRemedy ge to: PD connected f Response SC 33.2.7 Lennart Type T ne minimum pow	to the PSE performs Autoclas to the PSE performs Autoclas <i>Response Status</i> O <i>P</i> 96 Philips <i>Comment Status</i> X ver but the minimum supporte	s (see 33.2.7.3, <i>L</i> 4 d power.	33.3.6.3)," # [<u>403</u>	Rchar Suggester Chan "This 2P an Rchar Proposed C/ 33 Yseboodt, Comment Maxin	n." <i>dRemedy</i> ge to: is the minimum id maximum Ro n." <i>Response</i> SC 33.2.7 , Lennart <i>Type</i> E num power avai naximum power	required power at the PSE Pl han. Use Equation (33-2) for o <i>Response Status</i> O <i>P</i> 96 Philips <i>Comment Status</i> X lable is probably Pclass_PD,	l calculated using other values of VI <i>L</i> 34 this is in Table 33	minimum VPort_PS Port_PSE-2P and # <u>406</u>
"If the 33C), Suggeste "If the Proposed Cl 33 Yseboodt Comment Not th ", th Suggeste Chan	PD connected " dRemedy ge to: PD connected for Response SC 33.2.7 Lennart Type T ne minimum pow e PSE may set dRemedy ge to:	to the PSE performs Autoclas to the PSE performs Autoclas <i>Response Status</i> O <i>P</i> 96 Philips <i>Comment Status</i> X ver but the minimum supporte	s (see 33.2.7.3, <i>L</i> 4 d power. sed on PAutoclas	33.3.6.3)," # 403 \$\$\$,"	Rchar Suggester "This 2P an Rchar Proposed C/ 33 Yseboodt, Comment Maxin "For n Suggester Chang	n." <i>dRemedy</i> ge to: is the minimum id maximum Rc n." <i>Response</i> <i>SC</i> 33.2.7 , Lennart <i>Type</i> E num power avain naximum power <i>dRemedy</i> ge to:	required power at the PSE Pl han. Use Equation (33-2) for o <i>Response Status</i> O <i>P</i> 96 Philips <i>Comment Status</i> X lable is probably Pclass_PD,	l calculated using other values of VI <i>L</i> 34 this is in Table 33 33-28."	minimum VPort_PSI Port_PSE-2P and # 406 3-24 and 33-25

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

CI 33 SC 33.2.		L 43	# 407		SC 33.2.7.2	P 98	L 53	# 410
Yseboodt, Lennart	Philips			Yseboodt, Le	nnart	Philips		
Comment Type TR	Comment Status X			Comment Ty	pe E	Comment Status X		
depending on the A An initial assigned Using DLL the PD	e 3 and Type 4 devices have a Assigned Class. class is set up during Physical and PSE are able to change the s 'follows' the PSEAllocatedPow	Layer classificatio e allocated power.	n.	"The mai MARK_E MARK_E commen	rk event states V2_PRI, MAF V4, MARK_E	shortened because is describ s, MARK_EV1, MARK_EV1_ RK_EV2_SEC, MARK_EV3, V_LAST, MARK_EV_LAST_ I or pairset voltage falls belo ss min."	PRI, MARK_EV1 MARK_EV3_PR PRI and MARK_	I_SEC, MARK_EV2 I, MARK_EV3_SEC EV_LAST_SEC
SuggestedRemedy				SuggestedRe	emedy			
Adopt yseboodt_05	5_0916_dllclasschange.pdf					tes (MARK_EV_) commence		
Proposed Response	Response Status 0					end when the PI voltage exc	eeds VClass mir	1."
				Proposed Re	sponse	Response Status O		
C/ 33 SC 33.2.	7 P 96	L 46	# 408		00.00.07.0		1.04	"
Yseboodt, Lennart	Philips			C/ 33 Yseboodt, Le	SC 33.2.7.2	P 99 Philips	L 34	# 411
Comment Type E	Comment Status X					•		
Wordy.		al facale al f	and in Table CO 40 "	Comment Ty		Comment Status X	10 22 15	
	n results are Classes 0 up to an	d including 4, as l	sted in Table 33-12."			unneeded references in Tab	ne 33-15.	
SuggestedRemedy				SuggestedRe			waa a ti'a a	
Change to: "Valid classificatior	n results are Classes 0 to 4, as	listed in Table 33-	12."			33.2.7.2" from Additional info 33.2.7.2" from Additional info		
Proposed Response	Response Status O			- Item 11 - Item 12	remove Addi remove Addi	tional information. tional information. tional information.		
C/ 33 SC 33.2.	7 P 97	L 18	# 409	Proposed Re	sponse	Response Status O		
Yseboodt, Lennart	Philips	2.10	" 100					
Comment Type E	Comment Status X			CI 33	SC 33.2.7.3	P 100	L 42	# 412
	it, this is in text on line 41 alread			Yseboodt, Le	nnart	Philips		
	Layer classification takes prece	edence over Physi	cal Layer classification."	Comment Ty	pe E	Comment Status X		
SuggestedRemedy	a das Table 00 40				BC is not abou			
Remove NOTE 1 u				"See Anr	nex 33C for m	ore information on Autoclass	."	
Proposed Response	Response Status 0			SuggestedRe				
				Remove	sentence			
				Proposed Re				

C/ 33 SC 33.2.7.2 P 101 Yseboodt, Lennart Philips	L 1	# 413	Cl 33 SC 33.2.8 Yseboodt, Lennart	P 102 Philips	L 15	# 416
Comment Type E Comment Status X Table 33-14 is located after Table 33-15. This has been and I was hopeful that changes to the text would eventu not seem likely to happen. SuggestedRemedy			Comment Type E	Comment Status X oltage" is capitalized when it	should not be.	
Exchange Table numbering of 33-15 and 33-14.			Proposed Response	Response Status O		
Proposed Response Response Status O						
CI 33 SC 33.2.7.3 P 101	L 38	# 414	C/ 33 SC 33.2.8 Yseboodt, Lennart	P 103 Philips	L 49	# 417
Yseboodt, Lennart Philips Comment Type E Comment Status X Do not use commas in decimal numbers, use 'dot'. SuggestedRemedy Change comma numbers in equation 33-4 to dots. Proposed Response Response Status O			Comment Type TR In Table 33-17 PCon is It is a duplicate of Pclas SuggestedRemedy Remove variable PCon Proposed Response		t, only a small ex	planation on page 11
C/ 33 SC 33.2.8 P 102	L 10	# 415	C/ 33 SC 33.2.8 Yseboodt, Lennart	P 104 Philips	L 21	# 418
Yseboodt, Lennart Philips Comment Type E Comment Status X			Comment Type E Table 33-17, item 19, b	Comment Status X oth "IHold-2P" and "A" fields	need to be strac	ddled down.
In Table 33-17 is column "Symbol" too narrow. SuggestedRemedy			SuggestedRemedy Fix.			
Make column "Min" smaller and column "Symbol" larger Proposed Response Response Status O	r.		Proposed Response	Response Status O		
			C/ 33 SC 33.2.8 Yseboodt, Lennart	P 104 Philips	L 47	# 419
			Comment Type E There is a long NOTE i	Comment Status X n Item 23/Additional informa	tion (I_unb).	
			SuggestedRemedy Move note to the end o	f section 33.2.8.11 which de	als with this para	meter.
			Proposed Response			

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

Cl 33 SC 33.2.8 P 105 L 12 # 420	Cl 33 SC 33.2.8.1 P 105 L 25 # 422
Yseboodt, Lennart Philips	Yseboodt, Lennart Philips
Comment Type E Comment Status X	Comment Type E Comment Status X
Again too much text crammed into the "Additional information" cell of Table 33-17 for T_e parameter.	d "The specification for V Port_PSE-2P in Table 33-17 shall be met with a (I Hold max x V Port_PSE-2P min) to the maximum power per the PSE's assigned Class load step at a ra of change of at least 15 mA/ms."
SuggestedRemedy	of change of at least 15 mA/ms.
 Create new subsection after 33.2.8.13 with name "Error delay timing". Content of this section: 	Can be improved by moving 'load step' up in the sentence.
"T_ed, defined in Table 33-17, is the minimum delay time before a PSE may attempt	SuggestedRemedy
subsequent powering of a pairset after power removal from that pairset because of an err condition." - Replace Additional information field for Item 28/Table 33-17 with "See <new section="" td="" we<=""><td>or "The specification for V Port_PSE-2P in Table 33-17 shall be met with a load step of (I Hold max x V Port_PSE-2P min) to the maximum power per the PSE's assigned Class a rate of change of at least 15 mA/us."</td></new>	or "The specification for V Port_PSE-2P in Table 33-17 shall be met with a load step of (I Hold max x V Port_PSE-2P min) to the maximum power per the PSE's assigned Class a rate of change of at least 15 mA/us."
just made>".	Proposed Response Response Status O
Proposed Response Response Status O	
	— C/ 33 SC 33.2.8.1 P 105 L 27 # 423
C/33 SC 33.2.8 P105 L 20 # 421	Yseboodt, Lennart Philips
/seboodt, Lennart Philips	Comment Type E Comment Status X
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." Image: Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode."	
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair".	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms max."
Arseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.8 V/ms max." The word max is redundant. SuggestedRemedy Change to:
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode." SuggestedRemedy	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.4 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.4 V/ms."
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted. The ILIM-2P value is higher than the value for class 4 is not restricted.	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5
Vseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode."	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.4 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.4 V/ms."
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode."	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.4 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.4 V/ms." Proposed Response Response Status O
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode."	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms." Proposed Response Response Status O Cl 33 SC 33.2.8.4 P 106 L 1 # 424
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode."	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms." Proposed Response Response Status O Cl 33 SC 33.2.8.4 P 106 L 1 # 424 Yseboodt, Lennart Philips Comment Type E Comment Status X "For Type 3 and Type 4, I Port-2P and I Port-2P-other"
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode."	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms." Proposed Response Response Status O Cl 33 SC 33.2.8.4 P 106 L 1 # 424 Yseboodt, Lennart Philips Comment Type E Comment Status X "For Type 3 and Type 4, I Port-2P and I Port-2P-other" Missing PSEs.
Yseboodt, Lennart Philips Comment Type E Comment Status X "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in4-pair mode." missing space between "in" and "4-pair". SuggestedRemedy "Unbalance at Class 4 is not restricted. The ILIM-2P value is higher than the value for Class 5 for Type 3 and Type 4 PSEs operating in 4-pair mode." SuggestedRemedy	Comment Type E Comment Status X "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms max." The word max is redundant. SuggestedRemedy Change to: "The voltage transients as a result of load changes up to 35 mA/ms shall be limited to 3.5 V/ms." Proposed Response Response Status O Cl 33 SC 33.2.8.4 P 106 L 1 # 424 Yseboodt, Lennart Philips Comment Type E Comment Status X "For Type 3 and Type 4, I Port-2P and I Port-2P-other"

C/ 33 SC 33.2.8.4 P 106 L 27 # 425 Yseboodt, Lennart Philips	C/ 33 SC 33.2.8.4 P 107 L 34 # 427 Yseboodt, Lennart Philips
Comment Type TR Comment Status X We need to define "Iport" as the total current a Type 3 or 4 PSE sources on the PI because this parameter is used in Figures 33-28 and 33-29. SuggestedRemedy - Append new Equation after (33-6) which says: IPort = IPort-2P + IPort-2P-other	Comment Type E Comment Status X Do not use commas in decimal numbers in equation 33-11 , use dot point. SuggestedRemedy Change commas in decimal numbers to dots in equation 33-11. Proposed Response Response Status O
- Append the following at page 106, line 13 ", IPort is the total current on both pairs with the same polarity and is defined in Equation (33-XX)." Proposed Response Response Status O	C/ 33 SC 33.2.8.4.1 P 108 L 35 # 428 Yseboodt, Lennart Philips
C/33 SC 33.2.8.4 P 107 L 8 # 426 Seboodt, Lennart Philips Comment Type ER Comment Status X "In addition to I Con-2P as specified in Equation (33-7), the PSE shall support the AC current waveform parameters I Peak-2P , while within the operating voltage range of V Port_PSE-2P :	"For channels with common mode pair resistance lower than 0.1, see Annex 33B." Reference can be more specific. SuggestedRemedy Change to: "For channels with common mode pair resistance lower than 0.1, see Annex 33B.4." Proposed Response Response Status O
I Peak , I Peak-2P-unb , and I Peak-2P minimum for T CUT-2P minimum and 5 % duty cycle minimum, where"	C/ 33 SC 33.2.8.4.1 P 108 L 41 # 429 Yseboodt, Lennart Philips
Super weird construction carried over (and made worse) from legacy text.	Comment Type E Comment Status X Do not use commas in decimal numbers in equation 33-14, use dot point.
	SuggestedRemedy Change commas in decimal numbers to dots in equation 33-14.
"The PSE shall support the AC current waveform parameter IPeak-2P, while within the operating voltage range of V Port_PSE-2P, for a minimum of TCUT-2P and at least 5% duty cycle."	Proposed Response Response Status O

Cl 33 SC 33.2.8.5 Yseboodt, Lennart	P 109 Philips	L 43	# 430	C/ 33 SC 33.2.8.5.1 Yseboodt, Lennart	P 110 Philips	L 28	# 433
Comment Type E	Comment Status X			Comment Type E Col	nment Status X		
	decimal numbers in equation	1 33-15 , use dot	point.	"Such a PSE that implements successfully power up"		ower than defined	in Table 33-17 shall
Change commas in dec	cimal numbers to dots in equ	ation 33-15.		Repeats large part	of previous sentence.		
Proposed Response	Response Status O			SuggestedRemedy "Such a PSE shall successful	ly power up"		
C/ 33 SC 33.2.8.5.1 /seboodt, Lennart	P 110 Philips	L 20	# 431	Proposed Response Res	oonse Status O		
Comment Type E	Comment Status X			C/ 33 SC 33.2.8.6	P 110	L 36	# 434
	ements a minimum I Inrush Ic	ower than defined	d in Table 33-17 shall	Yseboodt, Lennart	Philips		
successfully power up				Comment Type T Col	mment Status X		
SuggestedRemedy "Such a PSE shall succ Proposed Response	cessfully power up" Response Status O			current supplied on a pairset I CUT-2P , Type 3 and Type 4 We have gone back and forth think is stable, we can merge exists for Type 1/2).	PSEs may remove po a lot on the naming o	wer from that pair f Iport. Per the cu	rset." rrent scheme, which
C/ 33 SC 33.2.8.5.1	-	L 23	# 432	SuggestedRemedy			
Yseboodt, Lennart <i>Comment Type</i> E "T_Inrush-2p"	Philips Comment Status X			"If I Port-2P , the current supp longer than T CUT-2P, PSEs Proposed Response Res			exceeds I CUT-2P for
SuggestedRemedy							
Capitilize "-2P"				C/ 33 SC 33.2.8.7 Yseboodt, Lennart	P 111 Philips	L 28	# 435
	Response Status O				Fillips		
	Response Status O				nment Status X		
	Response Status O			·	mment Status X	not used anymore	<u>.</u>
	Response Status 0			Comment Type TR Con ILIMmin variable and equation In figures 33-27 to 33-29 ILIM SuggestedRemedy	mment Status X a are obsolete, this is i -2P_min is used.	not used anymore).
Capitilize "-2P" Proposed Response	Response Status O			Comment Type TR Con ILIMmin variable and equation In figures 33-27 to 33-29 ILIM	mment Status X a are obsolete, this is i -2P_min is used.	not used anymore	2.

Cl 33 SC 33.2.8.7 Yseboodt, Lennart	7 P 111 Philips	L 30	# 436	Cl 33 SC 33.2.8.7 Yseboodt, Lennart	P 113 Philips	L 35	# 440
Comment Type E Do not use commas i	Comment Status X in decimal numbers in equation	n 33-16 , use dot	point.	Comment Type E Underline under IPSEUT	Comment Status X _Type4-2P in equation 33-1	19.	
SuggestedRemedy Change commas in d	lecimal numbers to dots in equ	ation 33-16.		SuggestedRemedy Remove underline.			
Proposed Response	Response Status O			Proposed Response	Response Status O		
C/ 33 SC 33.2.8.7 (seboodt, Lennart	7 P 112 Philips	L 39	# 437	C/ 33 SC 33.2.8.8 Yseboodt, Lennart	P 114 Philips	L 44	# 441
Comment Type E Underline under IPSE SuggestedRemedy Remove underlines.	Comment Status X EUT-2P and IPSEUT_Type3-2	P in equation 33-	17 and 33-18.	Comment Type T "The PSE remains in the below V Off max." Or in the DISABLED sta	Comment Status X IDLE state as long as the a	average voltage a	across the pairset is
Proposed Response	Response Status O			<i>SuggestedRemedy</i> "The PSE remains in the the pairset is below V Of	IDLE or DISABLED state a	s long as the ave	erage voltage across
C/ 33 SC 33.2.8.7 /seboodt, Lennart	7 P 112 Philips	L 40	# 438	Proposed Response	Response Status O		
	Comment Status X	n 33-17 and 33-1	8, use dot point.	C/ 33 SC 33.2.8.10 Yseboodt, Lennart	P 115 Philips	L 10	# 442
Do not use commas i SuggestedRemedy Change commas in d	in decimal numbers in equation lecimal numbers to dots in equ <i>Response Status</i> O	ation 33-17 and	33-18.		Comment Status X range of V Port_PSE-2P det ed using any sliding window		
Do not use commas i SuggestedRemedy Change commas in d Proposed Response	decimal numbers to dots in equ Response Status O 7 P 113 Philips	L 34	33-18. # [<u>439</u>]	"P Con is valid over the i P Con should be averag This is the only place wh SuggestedRemedy "PClass and PClass-2P	Comment Status X range of V Port_PSE-2P det ed using any sliding window ere Pcon is used. We can s are valid over the range of V	with a width of 1 implify it to Pclas / Port_PSE-2P d	I s." ss and Pclass-2P. lefined in Table 33-17
Do not use commas i SuggestedRemedy Change commas in d Proposed Response Cl 33 SC 33.2.8.7 Yseboodt, Lennart Comment Type E Do not use commas i SuggestedRemedy	lecimal numbers to dots in equ Response Status O 7 P 113	L 34 n 33-19 , use dot	# 439	"P Con is valid over the i P Con should be averag This is the only place wh SuggestedRemedy "PClass and PClass-2P	Comment Status X range of V Port_PSE-2P det ed using any sliding window ere Pcon is used. We can s	with a width of 1 implify it to Pclas / Port_PSE-2P d	I s." ss and Pclass-2P. lefined in Table 33-17

C/ 33 SC 33.2.8.12 Yseboodt, Lennart	P 115 Philips	L 34	# 443	C/ 33 SC 33.2.10 P Yseboodt, Lennart Phili	116 <i>L</i> 28	# 446
Comment Type E Commer Do not use commas in decimal nur SuggestedRemedy	nt Status X mbers in equation	33-23 , use dot	point.	Comment Type E Comment Status "Figure 33-22 and Figure 33-23 show the F 4 PSEs." Also need to mention Fig 33-21.		ams for Type 3 and Type
Change commas in decimal numbe	ers to dots in equa	ation 33-23.		SuggestedRemedy		
Proposed Response Response	e Status O			"Figure 33-21, Figure 33-22, and Figure 33 Type 3 and Type 4 PSEs."	3-23 show the PSE mor	itor state diagrams for
2/ 33 SC 33.2.8.13 /seboodt, Lennart	P 115 Philips	L 52	# 444	Proposed Response Response Status	5 O	
	t Status X	e-signature PD.	shall reach the	C/ 33 SC 33.2.10.1.2 P Yseboodt, Lennart Phili	118 <i>L</i> 26	# 447
POWER_ON state within T pon aft				Comment Type TR Comment Statu	s X	
Type 3 and Type 4 PSEs, when co				PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair	blocks" of requirements:	
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response	er completing det e Status O	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "b	olocks" of requirements: set gle-signature PD over b al-signature PD	oth pairsets
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response Cl 33 SC 33.2.9	er completing det e Status O P 116			PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a sin 3. A Type 3 or Type 4 PSE powering a dua A dual-signature PD being powered over 2	olocks" of requirements: set gle-signature PD over b al-signature PD	oth pairsets
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response C/ 33 SC 33.2.9 (seboodt, Lennart	er completing det e Status O P 116 Philips	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "k 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a sin 3. A Type 3 or Type 4 PSE powering a dua A dual-signature PD being powered over 2 3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powerin	plocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD"	oth pairsets ould fall both under 1 an
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response C/ 33 SC 33.2.9 (seboodt, Lennart	er completing det e Status O P 116 Philips nt Status X	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a sin 3. A Type 3 or Type 4 PSE powering a dua A dual-signature PD being powered over 2 3. SuggestedRemedy	blocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD" oth pairsets"	oth pairsets ould fall both under 1 an
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response 27 33 SC 33.2.9 Seboodt, Lennart Comment Type E Commer "See Annex 33C" refers to Autoclas SuggestedRemedy	er completing det e Status O P 116 Philips nt Status X	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a dual 3. A Type 3 or Type 4 PSE powering a dual A dual-signature PD being powered over 2 3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powering PSE powering a dual-signature PD over be Proposed Response Response Status	blocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD" oth pairsets" 0	oth pairsets ould fall both under 1 an
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response 33 SC 33.2.9 Seboodt, Lennart Comment Type E Commer "See Annex 33C" refers to Autoclas SuggestedRemedy Remove sentence.	er completing det Status O P 116 Philips at Status X ss.	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a sin 3. A Type 3 or Type 4 PSE powering a dua A dual-signature PD being powered over 2 3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powerin PSE powering a dual-signature PD over be Proposed Response Response Status C/ 33 SC 33.2.10.1.2 P	clocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD" oth pairsets" 0 118 <i>L</i> 32	oth pairsets ould fall both under 1 an
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response 37 33 SC 33.2.9 Seboodt, Lennart Comment Type E Commer "See Annex 33C" refers to Autoclas StuggestedRemedy Remove sentence.	er completing det e Status O P 116 Philips nt Status X	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a dual 3. A Type 3 or Type 4 PSE powering a dual A dual-signature PD being powered over 2 3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powering a dual-signature PD over be Proposed Response Response Status C/ 33 SC 33.2.10.1.2 Yseboodt, Lennart Phili	plocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD" oth pairsets" 0 118 <i>L</i> 32 ips	oth pairsets ould fall both under 1 an to "A Type 3 or Type 4
Type 3 and Type 4 PSEs, when co POWER_ON state within T pon aft Proposed Response Response Cl 33 SC 33.2.9 Seboodt, Lennart Comment Type E Commer "See Annex 33C" refers to Autoclas SuggestedRemedy Remove sentence.	er completing det Status O P 116 Philips at Status X ss.	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "b 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a sin 3. A Type 3 or Type 4 PSE powering a dua A dual-signature PD being powered over 2 3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powerin PSE powering a dual-signature PD over be Proposed Response Response Status C/ 33 SC 33.2.10.1.2 P	<pre>clocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD" oth pairsets" s 0 118 L 32 ips s X PSE powering a PD over</pre>	oth pairsets ould fall both under 1 an to "A Type 3 or Type 4 # 448
POWER_ON state within T pon aft Proposed Response Response Cl 33 SC 33.2.9 (seboodt, Lennart Comment Type E Commer "See Annex 33C" refers to Autoclas SuggestedRemedy Remove sentence.	er completing det Status O P 116 Philips at Status X ss.	ection on _the_	last pairset.	PSE DC MPS requirements, there are 3 "t 1. A PSE powering a PD over a single pair 2. A Type 3 or Type 4 PSE powering a dual A dual-signature PD being powered over 2 3. SuggestedRemedy Change "A Type 3 or Type 4 PSE powering PSE powering a dual-signature PD over be Proposed Response Response Status C/ 33 SC 33.2.10.1.2 P Yseboodt, Lennart Phili Comment Type TR Comment Status The DC MPS requirements, the list on "A I reference to Iport.	<pre>clocks" of requirements: set gle-signature PD over b al-signature PD P by a Type 3/4 PSE w g a dual-signature PD" oth pairsets" s 0 118 L 32 ips s X PSE powering a PD over</pre>	oth pairsets ould fall both under 1 an to "A Type 3 or Type 4 # <u>448</u>

C/ 33 SC 33.2.10 Yseboodt, Lennart).1.2 <i>P</i> 118 Philips	L 42	# 449	C/ 33 SC 33.3.3. Yseboodt, Lennart	.5 P 124 Philips	L 54	# 452
Comment Type E	Comment Status X			Comment Type E	Comment Status X		
	ements, the list on "A Type 3			We used to have two	o notes below Figure 33-31 (th	ne Type 1/2 PD st	ate diagram).
signature PD over bo of the same polarity"	oth pairsets" uses the constru	ct "the sum of I Po	ort-2P of both pairsets	SuggestedRemedy			
					o NOTEs after Figure 33-31:		
Also known as IPo	rt.			"NOTE 1DO_CLAS into the classificatior	SS_EVENT3 creates a defined range repeatedly "	d behavior for a Ty	ype 2 PD that is broug
SuggestedRemedy				"NOTE 2In general	I, there is no requirement for a		
•	I Port-2P of both pairsets of	the same polarity"	by "IPort" (3x)	signature for any DC 33-28."	D_CLASS_EVENT duration les	ss than TClass_P	D as defined in Table
Proposed Response	Response Status 0			Proposed Response	Response Status O		
				T Toposed Response	Response Status U		
SC 33.3.2	P 120	L 22	# 450	C/ 33 SC 33.3.3.	.8 <i>P</i> 127	L 39	# 453
seboodt, Lennart	Philips			Yseboodt, Lennart	Philips	L 39	# 453
comment Type E	Comment Status X			Comment Type E	Comment Status X		
				Comment ivne F	Comment Status X		
"PDs can be constru 33.2.6.1."	cted as single-signature or du	ual-signature as de	fined in 1.4 and	See TDELAY_COM			
33.2.6.1."	octed as single-signature or du	Ũ	fined in 1.4 and	See TDELAY_COM		a more than Type	1 power and Type 4
33.2.6.1." Better to refer 33.3.5		Ũ	fined in 1.4 and	See TDELAY_COM "A timer used to pre PDs from drawing m	MENT first. vent Type 3 PDs from drawing nore than Class 2 power during		
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy		on signature.		See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta	MENT first. vent Type 3 PDs from drawing nore than Class 2 power during		
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy	i which containst the PD spec	on signature.		See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy	MENT first. vent Type 3 PDs from drawing fore than Class 2 power during able 33-28."		
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy "PDs can be constru	i which containst the PD spec	on signature.		See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To	MENT first. vent Type 3 PDs from drawing nore than Class 2 power during able 33-28." delay-2P		
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy "PDs can be constru 33.3.5."	which containst the PD spec	on signature.		See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy	MENT first. vent Type 3 PDs from drawing fore than Class 2 power during able 33-28."		
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy "PDs can be constru 33.3.5." Proposed Response	which containst the PD spec acted as single-signature or du <i>Response Status</i> 0	on signature.		See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response	MENT first. vent Type 3 PDs from drawing nore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O	g the PSE's inrush	n period; see T delay
33.2.6.1." Better to refer 33.3.5 uggestedRemedy "PDs can be constru 33.3.5." troposed Response	which containst the PD spec acted as single-signature or du <i>Response Status</i> O	on signature. ual-signature as de	afined in 1.4 and	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response Cl 33 SC 33.3.3.	MENT first. vent Type 3 PDs from drawing ore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O .10 <i>P</i> 129		
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy "PDs can be constru 33.3.5." Proposed Response 2/33 SC 33.3.3. Seboodt, Lennart Comment Type E	s which containst the PD spec acted as single-signature or du <i>Response Status</i> O 4 <i>P</i> 123 Philips <i>Comment Status</i> X	on signature. ual-signature as de	afined in 1.4 and	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response CI 33 SC 33.3.3. Yseboodt, Lennart	MENT first. vent Type 3 PDs from drawing ore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O .10 <i>P</i> 129 Philips	g the PSE's inrush	n period; see T delay
33.2.6.1." Better to refer 33.3.5 uggestedRemedy "PDs can be constru 33.3.5." Proposed Response 3 33 SC 33.3.3. seboodt, Lennart	s which containst the PD spec acted as single-signature or du <i>Response Status</i> O 4 <i>P</i> 123 Philips <i>Comment Status</i> X	on signature. ual-signature as de	afined in 1.4 and	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to Ta Proposed Response CI 33 SC 33.3.3. Yseboodt, Lennart Comment Type T	MENT first. vent Type 3 PDs from drawing hore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O .10 <i>P</i> 129 Philips <i>Comment Status</i> X	g the PSE's inrush	# <mark>[454]</mark>
33.2.6.1." Better to refer 33.3.5 uggestedRemedy "PDs can be constru 33.3.5." roposed Response 7 33 SC 33.3.3. seboodt, Lennart comment Type E See TDELAY_COMM "A timer used to prev	5 which containst the PD spec acted as single-signature or du <i>Response Status</i> O 4 <i>P</i> 123 Philips <i>Comment Status</i> X MENT first. vent the Type 2 PD from draw	e on signature. ual-signature as de	efined in 1.4 and # [451	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response CI 33 SC 33.3.3. Yseboodt, Lennart Comment Type T The PD inrush speci	MENT first. vent Type 3 PDs from drawing ore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O .10 <i>P</i> 129 Philips	g the PSE's inrush	# [454
33.2.6.1." Better to refer 33.3.5 uggestedRemedy "PDs can be constru 33.3.5." roposed Response / 33 SC 33.3.3. seboodt, Lennart omment Type E See TDELAY_COMP "A timer used to prev PSE's inrush period;	5 which containst the PD spec acted as single-signature or du <i>Response Status</i> O 4 <i>P</i> 123 Philips <i>Comment Status</i> X MENT first.	e on signature. ual-signature as de	efined in 1.4 and # [451	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response CI 33 SC 33.3.3. Yseboodt, Lennart Comment Type T The PD inrush speci	MENT first. vent Type 3 PDs from drawing hore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O .10 <i>P</i> 129 Philips <i>Comment Status</i> X ification is mismatched between	g the PSE's inrush	# [454
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy "PDs can be constru 33.3.5." Proposed Response 27 33 SC 33.3.3. Seboodt, Lennart Comment Type E See TDELAY_COM! "A timer used to prev PSE's inrush period; SuggestedRemedy	s which containst the PD spec acted as single-signature or du <i>Response Status</i> O 4 <i>P</i> 123 Philips <i>Comment Status</i> X MENT first. vent the Type 2 PD from draw see T delay in Table 33-28."	e on signature. ual-signature as de	efined in 1.4 and # [451	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response Cl 33 SC 33.3.3. Yseboodt, Lennart Comment Type T The PD inrush speci We have now adopted	MENT first. vent Type 3 PDs from drawing hore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O .10 <i>P</i> 129 Philips <i>Comment Status</i> X ification is mismatched between	g the PSE's inrush	# 454
33.2.6.1." Better to refer 33.3.5 SuggestedRemedy "PDs can be constru 33.3.5." Proposed Response Cl 33 SC 33.3.3. (seboodt, Lennart Comment Type E See TDELAY_COMM "A timer used to prev	s which containst the PD spec acted as single-signature or du <i>Response Status</i> O 4 <i>P</i> 123 Philips <i>Comment Status</i> X MENT first. vent the Type 2 PD from draw see T delay in Table 33-28."	e on signature. ual-signature as de	efined in 1.4 and # [451	See TDELAY_COM "A timer used to pre PDs from drawing m and T delay-2P in Ta SuggestedRemedy Change Tdelay to To Proposed Response Cl 33 SC 33.3.3. Yseboodt, Lennart Comment Type T The PD inrush speci We have now adopted	MENT first. vent Type 3 PDs from drawing ore than Class 2 power during able 33-28." delay-2P <i>Response Status</i> O 10 <i>P</i> 129 Philips <i>Comment Status</i> X ification is mismatched betwee ed accurate inrush text in 33.3	g the PSE's inrush	# 454

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ 33 SC 33.3.3.10 P 129 L 45 # 455	C/ 33 SC 33.3.3.12 P 132 L 32 # 457
Seboodt, Lennart Philips	Yseboodt, Lennart Philips
Comment Type E Comment Status X	Comment Type T Comment Status X
"NOTE 1DO_CLASS_EVENT6 creates a defined behavior for a Type 2, Type 3 and Type 4 PD that is brought into the classification range repeatedly." This note is attached to the new state diagram for Type 3/4 and as such no longer applies to Type 2.	present_det_sig_modeA: Controls presenting the detection signature (see 33.3.4) by the PD over Mode A. invalid:A non-valid PD detection signature is to be applied to the link over Mode A regardless of any voltage above V Reset applied to Mode B. valid:A valid PD detection signature is to be applied to the link over each pairset over Mode A regardless of any voltage above V Reset applied to Mode B.
uggestedRemedy	Mode A regardless of any voltage above v reset applied to mode b.
"NOTE 1DO_CLASS_EVENT6 creates a defined behavior for a Type 3 or Type 4 PD that is brought into the classification range repeatedly."	The detection behaviour for dual-sig PDs is already defined in 33.3.4. These descriptions duplicate that but with differing details.
Proposed Response Response Status O	SuggestedRemedy
C/ 33 SC 33.3.3.12 P 130 L 44 # 456 Yseboodt, Lennart Philips	present_det_sig_modeA: invalid:A non-valid PD detection signature is to be applied to the link over Mode A. valid:A valid PD detection signature is to be applied to the link over each pairset over Mode A.
Comment Type TR Comment Status X	Proposed Response Response Status O
The Type 3/4 dual-sig state diagram has two variables pd_dll_enabled_modeA and pd_dll_enabled_modeB. Doesn't make sense, DLL can only be enabled or disabled for a complete PD, this doesn't work by Mode.	C/ 33 SC 33.3.3.12 P 132 L 40 # 458 Yseboodt, Lennart Philips
SuggestedRemedy	
- Merge both into pd_dll_enabled Rename all instances of pd_dll_enabled_modeA and pd_dll_enabled_modeB to pd_dll_enabled in the dual-sig state diagram. Proposed Response Response Status O	Comment Type T Comment Status X present_det_sig_modeB: Controls presenting the detection signature (see 33.3.4) by the PD over Mode B. invalid:A non-valid PD detection signature is to be applied to the link over Mode B regardless of any voltage above V Reset applied to Mode B.
	valid:A valid PD detection signature is to be applied to the link over each pairset over Mode B regardless of any voltage above V Reset applied to Mode B.
	The detection behaviour for dual-sig PDs is already defined in 33.3.4. These descriptions duplicate that but with differing details.
	SuggestedRemedy
	present_det_sig_modeB: invalid:A non-valid PD detection signature is to be applied to the link over Mode B. valid:A valid PD detection signature is to be applied to the link over each pairset over Mode B.

Mode B.

Proposed Response Response Status **O**

Comment Type E Comment Status X do. class_timing_modeA returns variable "short_mps". This needs to be handled on a per pairset basis. SuggestedRemedy Rename "short_mps" to "short_mps," to "short_mps," to "short_mps". While technically correct, the word 'certain' class 6 and Class 8 PL Proposed Response Response Status O O Cl 33 SC 33.8.3 P 149 L 30 # 460 Yseboodt, Lennart Philips C Cl 33 SC 33.8.5 P 152 L 10 Comment Type TR Comment Status X O Cl 33 SC 33.8.5 P 152 L 10 Yseboodt, Lennart Philips Comment Status X O Cl 33 SC 33.8.5 P 152 L 10 Yseboodt, Lennart Philips Comment Type TR Comment Status X In equation 33-28; Yeadded taw less than I Inrush_PD-2P max, as defined in Table 33-28, are met." P Class_pD = is the maximum power, P Class_PD max, as defined in Table 33-28, are met." P Class_pD => is the maximum power, P Class_PD max, as defined in Table 33-28, are prossed Response Response Status O Cl 33 SC 33.3.8.4 P 150 L 43 # 461 Yseboodt, Lennart Philips Cl 33	0 <i>L</i> 50 # 462
This needs to be handled on a per pairset basis. Suggested/Remedy Rename 'Short_mps_modeA' and rename where needed in the state diagram. Proposed Response Response Status O Tr 33 SC 33.8.3 P 149 L 30 # 460 Tr 33 SC 33.8.3 P 149 L 30 # 460 Tr 33 SC 33.8.3 P 149 L 30 # 460 Tr 33 SC 33.8.3 P 149 L 30 # 460 Tr 33 SC 33.8.3 P 149 L 30 # 460 Tr 33 SC 33.8.3 P 149 L 30 # 460 Tr 33 SC 33.8.5 P 152 L 10 Yseboodt, Lennart Philips Comment Type TR Comment Status X Tr 4 a PD has a larger C Port or C Port-2P value, then the PD shall limit the input inrush current such that I Inrush_PD max and I Inrush_PD-2P max, as defined in Table 33-28, are met." Very true, but also redundant to the requirement a few paragraphs above: "PDs shall fraw less than I Inrush_PD-2P from T Inrush-2P min until T delay-2P min." SuggestedRemedy Remove If 1 a PD has a larger" sentence. Proposed Response Response Status O Tr 33 SC 33.8.4 P 150 L 43 # 461 Tr 33 SC 33.8.4 P 150 L 43 # 461 Tr 33 SC 33.8.4 P 150 L 43 # 461 Tr 33 SC 33.8.4 P 150 L 43 # 461 Tr 33 SC 33.8.5 P 152 L 43 P class_PD => is the maximum power, P class_PD max, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD max, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD max, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD max, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD max, as defined in Table 33-28 P class_pd => is the maximum power, P class_PD max, as defined in Table 33-28 P class_pd => is	x
uggested/Remody sounding header. Sebooth, Lennart Philips '1' 33 SC 33.3.8.3 P 149 L 30 # 460 '1' 33 SC 33.3.8.3 P 149 L 30 # 460 '1' 33 SC 33.3.8.3 P 149 L 30 # 460 '1' 33 SC 33.3.8.3 P 149 L 30 # 460 '1' 33 SC 33.3.8.3 P 149 L 30 # 460 '1' 33 SC 33.3.8.3 P 149 L 30 # 460 '1' 33 SC 33.3.8.4 P 152 L 10 'Yery true, but also redundant to the requirement a few paragraphs above: 'P 20 shall frame lass than I Inrush-PD-2P max, as defined in Table 33-28, are met.'' In equation 33-28: 'P 20 shall frame lass than I Inrush-PD and I Inrush-PD-2P from T Inrush-2P min until T delay-2P min.'' In equation 33-28: '1' 33 SC 33.3.8.4 P 150 L 43 # 461 '1' 33 SC 33.3.8.4 P 150 L 43 # 461 '1' 33 SC 33.3.8.4 P 150 L 43 # 461 '1' 33 SC 33.3.8.4 P 150 L 43 # 461 '1' 33 SC 33.3.8.4 </td <td>Class 6 and Class 8 PDs"</td>	Class 6 and Class 8 PDs"
diagram. troposed ResponseResponse StatusOSuggestedRemedy X_33 SC 33.3.8.3P149L 30# [460] X_133 SC 33.3.8.4P150L 41P10 X_133 SC 33.3.8.4P150L 43# [461] X_133 SC 33.3.8.5P152L 43 X_1 In equation 33-26:P152L 43 Y_2 PClass_PD is a single value, not a range. Remove 'max'Nasworng table reference. X_2 SuggestedRemedy X_2 X_2 X_2 Y_2 Y_2 X_3 Y_2 X_3 Y_3 Y_2 Y_3 Y_2 X_3 Y_3 X_3 <td>auses this to be a very odd and unsure</td>	auses this to be a very odd and unsure
Proposed Response Response Status 0 ''33.3.8.4.1 Peak operating power for Class 6 and Class 8 PDs' ''33.3.8.4.1 Peak operating power for Class 6 and Class 8 PDs' ''33.3.8.4.1 Peak operating power for Class 6 and Class 8 PDs' ''33.3.8.4.1 Peak operating power for Class 6 and Class 8 PDs' ''33.3.8.4.1 Peak operating power for Class 6 and Class 8 PDs' ''33.3.8.4.1 Peak operating power for Class 6 and Class 8 PDs' ''133 SC 33.3.8.3 P149 ''143 SC 000000000000000000000000000000000000	
Proposed Response Response Status O Proposed Response Response Status O Cl 33 SC 33.3.8.5 P152 L 10 Y as boodt, Lennart Philips Cl 33 SC 33.3.8.5 P152 L 10 Y as proposed Response TR Comment Status X Cl 33 SC 33.3.8.5 P152 L 10 Y as proposed Response TR Comment Status X In equation 33-26: Proposed Response Response Status O Proposed Response Response Status X In equation 33-26: P150 L 43 # 461 PClass_PD is a single value, not a range. Remove 'max' Also wrong table reference. SuggestedRemedy Response Status O Response Type TR Comment Status X In equation 33-26: P150 L 43 # 461 Plass_PD is a single value, not a range. Remove 'max' Also wrong table reference. SuggestedRemedy Status X In equation 33-26: PClass_PD is a single value, not a range. Remove 'max' Also wrong table reference. SuggestedRemedy Yseboodt, Lennart Philips Cl 33 SC 33.3.8.5 P152 L 43 Yseboodt, Lennart Philips	and Class 8 PDs"
Seboodt, Lennart Philips Comment Type TR C	0
Score of the final structure in the probability of the pro	
ornment Type TR Comment Status X "If a PD has a larger C Port or C Port-2P value, then the PD shall limit the input inrush current such that I Inrush_PD max and I Inrush_PD-2P max, as defined in Table 33-28, are met." Comment Type TR Comment Status X Very true, but also redundant to the requirement a few paragraphs above: "PDs shall draw less than I Inrush_PD and I Inrush_PD-2P from T Inrush-2P min." Comment Status X In equation 33-28: uggestedRemedy Remove the "If a PD has a larger" sentence. Polass_PD as a larger" sentence. Polass_PD as a larger" sentence. roposed Response Response Status O O Also wrong table reference. // 33 SC 33.3.8.4 P 150 L 43 # 461 // 33 SC 33.3.8.4 P 150 L 43 # 461 // 33 SC 33.3.8.4 P 150 L 43 # 461 // 33 SC 33.3.8.4 P 150 L 43 # 461 // 33 SC 33.3.8.5 P 152 L 43 // 33 SC 33.3.8.5 P 152 L 43 // 34 SC 33.3.8.5 P 152 L 43 // 350 wrong table reference. C/ 33 SC 33.3.8.5 P 152 L 43 // 360 wrong tab	
In equation 33-26: Proposed Response Point Type TR Comment Status X In equation 33-26: Pointset	
Remove the "If a PD has a larger" sentence. Proposed Response Response Status O 33 SC 33.3.8.4 P 150 L 43 # 461 C/ 33 SC 33.3.8.4 P 150 L 43 # 461 C/ 33 SC 33.3.8.4 P 150 L 43 # 461 C/ 33 SC 33.3.8.4 P 150 L 43 # 461 C/ 33 SC 33.3.8.5 P 152 L 43 In equation 33-26: Pclass_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 Pclass_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 P 152 L 43 PClass_PD is a single value, not a range. Remove 'max' Also wrong table reference. SuggestedRemedy In Eq 33-29, variable list, we have a non-subscript "-2P" SuggestedRemedy Fix. Fix. SuggestedRemedy	Ppeak_PD max, as defined in Table 33-28 s_PD max, as defined in Table 33-28
Proposed Response Response Status O Proposed Response Status O Cl 33 SC 33.3.8.4 P 150 L 43 # 461 Seboodt, Lennart Philips Comment Type TR Comment Status X In equation 33-26: Pclass_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 PClass_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 PClass_PD is a single value, not a range. Remove 'max' Also wrong table reference. SuggestedRemedy SuggestedRemedy Fix.	
Cl 33 SC 33.3.8.4 P 150 L 43 # 461 (seboodt, Lennart Philips Comment Type TR Comment Status X In equation 33-26: P class_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 Cl 33 SC 33.3.8.5 P 152 L 43 P Class_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 P Class_PD is a single value, not a range. Remove 'max' P class_PD is a single value, not a range. Remove 'max' In Eq 33-29, variable list, we have a non-subscript "-2P" SuggestedRemedy Fix. SuggestedRemedy Fix.	
In equation 33-26: Pclass_pd => is the maximum power, P Class_PD max, as defined in Table 33-28 PClass_PD is a single value, not a range. Remove 'max' Also wrong table reference. SuggestedRemedy SuggestedRemedy Fix.	0
PClass_PD is a single value, not a range. Remove 'max' In Eq 33-29, variable list, we have a non-subscript "-2P" Also wrong table reference. SuggestedRemedy Fix. Fix.	
Also wrong table reference. SuggestedRemedy Fix.	x
SuggestedRemedy SuggestedRemedy	script "-2P"
FIX.	
Pclass_pd => is the maximum power, P Class_PD, as defined in Table 33-24	
Proposed Response Response Status O	0

C/ 33 SC 33.3.8.5 /seboodt, Lennart	P 153 Philips	L 1	# 465	C/ 33 SC 33.3.8 Yseboodt, Lennart	.9 P 155 Philips	L 24	# 467
Comment Type E Figure 33-39 is clipped	Comment Status X a bit on the top.				Comment Status X 2P max is applied across the PI Mode A or Mode B according t		
SuggestedRemedy Unclip.					e other Mode with a 100 kOhm I		
Proposed Response	Response Status O			Note: legacy text!			
C/ 33 SC 33.3.8.6	P 153	L 44	# 466	This 'shall' only app exist.	lies when precisely 57.0V is app	olied. In essence,	the shall does not
/seboodt, Lennart	Philips			SuggestedRemedy			
Ine second paragraph consequetive sentence It does not lend itself to SuggestedRemedy		it lists a dunch o	of different cases in	polarity specified or	between 0V and V_Port_PD-2P ' 2P is applied across the PI at ei		
Itemize the sentences	in the second paragraph, this	makes is visual	ly easier to parse.	Proposed Response	Response Status 0		
Proposed Response	Response Status 0						
				CI 33 SC 33.3.8 Yseboodt, Lennart	.10 <i>P</i> 155 Philips	L 33	# 468
				Yseboodt, Lennart Comment Type ER		L 33	# 468
				Yseboodt, Lennart Comment Type ER	Philips <i>Comment Status</i> X Fig 33-39, should be 33-40.	L 33	# <u>468</u>

CI 33 SC 33.3. Yseboodt, Lennart	9 P 157 Philips	L 1	# 469	C/ 33 SC 33.4.3 Yseboodt, Lennart	P 160 Philips	L 10	# 472
Comment Type ER	•			Comment Type ER	Comment Status X		
See Annex 33F for	r PD design guidelines for MPS b	behavior.		Table 33-32 uses "," r	ather than "." as the decimal p	point.	
SuggestedRemedy				SuggestedRemedy			
This Annex does n Remove sentence.	ot exist, and likely never will.			Fix. Proposed Response	Response Status O		
Proposed Response	Response Status O			Floposed Response			
	9 <i>P</i> 157	L 16	# 470	C/ 33 SC 33.4.4	P 161	L 34	# 473
Yseboodt, Lennart	Philips	210	# 410	Yseboodt, Lennart	Philips		
Comment Type TR				Comment Type ER	Comment Status X		
21	erability issue for dual-signature F	PDs connected to	o Type 1/2 PSEs.		ather than "." as the decimal p	point.	
The Iport_mps-2P	is 8mA (min) for the PD, but can	be up to 10mA f	for the PSE.	SuggestedRemedy			
				E			
				Fix.	-		
Two options. Simple: Change T Complex: Change	Table 33-30, IPort_MPS-2P to 0.0 Table 33-30, such that dependin		_modeA and	Proposed Response	Response Status O		
Two options. Simple: Change T Complex: Change short_mps_modeE	Table 33-30, such that dependin 3 the current is 8mA or 10mA		_modeA and	Proposed Response	.4 <i>P</i> 170	L 9	# 474
Two options. Simple: Change T Complex: Change short_mps_modeE	Table 33-30, such that dependin		_modeA and	Proposed Response CI 33 SC 33.4.9.1 Yseboodt, Lennart	.4 <i>P</i> 170 Philips	L 9	# 474
Two options. Simple: Change T Complex: Change short_mps_modeE Proposed Response	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> O		_modeA and	Proposed Response CI 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER	.4 P 170 Philips Comment Status X	-	# 474
Two options. Simple: Change T Complex: Change short_mps_modeE Proposed Response	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157		_modeA and # [471]	Proposed Response CI 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER	.4 <i>P</i> 170 Philips	-	# 474
Two options. Simple: Change T Complex: Change short_mps_modeB Proposed Response	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> O	ig on short_mps_		Proposed Response CI 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific	.4 P 170 Philips Comment Status X	-	# 474
Two options. Simple: Change T Complex: Change short_mps_modeE Proposed Response Cl 33 SC 33.3. (seboodt, Lennart Comment Type E	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X	ng on short_mps_	# 471	Proposed Response CI 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific	.4 P 170 Philips Comment Status X cations for cables in Midspan I	-	# [474
Two options. Simple: Change T Complex: Change short_mps_modeE Proposed Response Cl 33 SC 33.3. Yseboodt, Lennart Comment Type E "Such a PD should	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X d increase its I Port min or make	ng on short_mps_	# 471	Proposed Response Cl 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific The cables are not loc SuggestedRemedy	.4 P 170 Philips Comment Status X cations for cables in Midspan I	PSEs"	# <mark>474</mark>
Two options. Simple: Change T Complex: Change short_mps_modeE Proposed Response Cl 33 SC 33.3. Yseboodt, Lennart Comment Type E	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X d increase its I Port min or make	ng on short_mps_	# 471	Proposed Response Cl 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific The cables are not loc SuggestedRemedy	.4 P 170 Philips <i>Comment Status</i> X cations for cables in Midspan I cated inside the Midspans.	PSEs"	# <u>474</u>
Two options. Simple: Change T Complex: Change short_mps_modeE Proposed Response Cl 33 SC 33.3. Yseboodt, Lennart Comment Type E "Such a PD should Maintain Power Sig	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X d increase its I Port min or make	ng on short_mps_	# 471	Proposed Response Cl 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific The cables are not loc SuggestedRemedy Table 33-35Cable sp	.4 P 170 Philips Comment Status X cations for cables in Midspan I cated inside the Midspans.	PSEs"	# <u>474</u>
Two options. Simple: Change T Complex: Change short_mps_modeB Proposed Response Cl 33 SC 33.3. (seboodt, Lennart Comment Type E "Such a PD should Maintain Power Sig Note below Table 3 SuggestedRemedy	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X d increase its I Port min or make gnature." 33-30. Should also refer to IPort-	ng on short_mps_ <i>L</i> 31 other such provis 2P.	# 471	Proposed Response Cl 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific The cables are not loc SuggestedRemedy Table 33-35Cable sp	.4 P 170 Philips Comment Status X cations for cables in Midspan I cated inside the Midspans.	PSEs"	# <mark>474</mark>
Two options. Simple: Change T Complex: Change short_mps_modeB Proposed Response Cl 33 SC 33.3. (seboodt, Lennart Comment Type E "Such a PD should Maintain Power Sig Note below Table 3 SuggestedRemedy	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X d increase its I Port min or make 33-30. Should also refer to IPort-2 d increase its IPort min, or IPort-2	ng on short_mps_ <i>L</i> 31 other such provis 2P.	# 471	Proposed Response Cl 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific The cables are not loc SuggestedRemedy Table 33-35Cable sp	.4 P 170 Philips Comment Status X cations for cables in Midspan I cated inside the Midspans.	PSEs"	# <u>474</u>
Simple: Change T Complex: Change short_mps_modeE Proposed Response Cl 33 SC 33.3. Yseboodt, Lennart Comment Type E "Such a PD should Maintain Power Sig Note below Table 3 SuggestedRemedy "Such a PD should	Table 33-30, such that dependin 3 the current is 8mA or 10mA <i>Response Status</i> 9 <i>P</i> 157 Philips <i>Comment Status</i> X d increase its I Port min or make gnature." 33-30. Should also refer to IPort-2 Power Signature."	ng on short_mps_ <i>L</i> 31 other such provis 2P.	# 471	Proposed Response Cl 33 SC 33.4.9.1 Yseboodt, Lennart Comment Type ER "Table 33-35Specific The cables are not loc SuggestedRemedy Table 33-35Cable sp	.4 P 170 Philips Comment Status X cations for cables in Midspan I cated inside the Midspans.	PSEs"	# <u>474</u>

CI 33 SC 33.6.3.2	P 179	L 19	# 475	C/ 79	SC 79.3.2.6	b.3 <i>P</i> 216	L 37	# 478
rseboodt, Lennart	Philips			Yseboodt, I	_ennart	Philips		
Comment Type T Comm	nent Status X			Comment 7	Гуре Т	Comment Status X		
The constant PSE_INITIAL_VAL different for Type 1/2 and Type 3 Since we want to avoid splitting variable that is causing trouble,	3/4. the DLL state diagr	ams, and this is (for now) the only	For sin For dua	gle-signature P al-signature PD	ystem setup field is not in li Ds, the communicated Clas s, the communicated Class cate that choice is possible	ss is for the entire I s on a pairset is for	PD.
SuggestedRemedy Adopt yseboodt_02_0916_psein	itialvalue.pdf			Suggestedl TFTD.	Remedy			
Proposed Response Respon	nse Status O			Unless	we can give m	eaning to this bit, we should	d remove it.	
				Proposed F	0	Response Status O		
CI 33 SC 33.6.5	P 186	L 4	# 476					
/seboodt, Lennart	Philips			C/ 79	SC 79.3.7.2	P 221	L 44	# 479
Comment Type TR Comm	nent Status X			Yseboodt, I		Philips	L 44	# 479
DLL Autoclass section is missing	g content.			Comment 1	Type E	Comment Status X		
SuggestedRemedy Adopt yseboodt_01_0916_dllaut	oclass.pdf			Table 7	9-6g, for Curre	nt measurement. n of IPORT and IPORT-2P		
Proposed Response Respon	nse Status O			Suggestedl Fix.	Remedy			
C/ 79 SC 79.3.2.6b.2 (seboodt, Lennart	P 216 Philips	L 34	# 477	Proposed F	Response	Response Status O		
comment Type T Comm	nent Status X			C/ A33C	SC A33C	P 241	<i>L</i> 1	# 480
The PD 4PID bit allows a PD to	indicate if it suppor	ts powering over	both Modes	Yseboodt, I	_ennart	Philips		
simultaneous or not. To be consistent with 33.2.6.7 w	e should indicate th	ne specific cases	where the PD may	Comment 1	Type ER	Comment Status X		
actually set this.					of accepted ba ented in D1.8.	aseline lukacs_01_0516_tin	nings_baseline_rev	/5.pdf was not
uggestedRemedy				Suggested				
Append: "This field shall be set to '1' whe	n the power type is	Type 3 PD or Ty	be 4 PD "	00	,	ukacs_01_0516_timings_b	aseline_rev5.pdf	
after:				Proposed F		Response Status 0	_ , '	
"This field shall be set to 0 when	1 31	PSE."		,				
Proposed Response Respon	nse Status O							

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID

C/ FM SC FM Yseboodt, Lennart	P 11 Philips	L 54	# 481	Cl 1 SC 1.4.418a Stover, David	a P 20 Linear Tech	L 37 nology	# 484
Comment Type E	Comment Status X			Comment Type E	Comment Status X		
	a getting *so* close to getting	all the headers	and footers in the	"multiple-Event clas	sification" Capitaliazation	does not match re	est of draft.
document right!				SuggestedRemedy			
Unfortunately the table	of contents still reads "Copy	right (c) 201x IEE	E."	Change lines 37, 40			
SuggestedRemedy				multiple-Event			
Change to "Copyright (c	c) 2016 IEEE."			to			
Proposed Response	Response Status 0			Multiple-Event			
				Proposed Response	Response Status O		
C/ 1 SC 1.4.313a	P 20	L 24	# 482		7	1.00	# 405
Stover, David	Linear Techno	ology		C/ 30 SC 30.9.1.1. Stover, David	.7 P 29 Linear Tech	L 23	# 485
Comment Type E	Comment Status X					lilology	
	vo valid 4-wire connection s a ted in 33.2.4; be more explic		802.3, 33.2.4". There	Comment Type T	Comment Status X nap to" is unclear. Does this	mean the counter	will man to or the
SuggestedRemedy	teu in 55.2.4, be more explic			increment will map to.	Either way it is incorrect. Th	ne increment has t	o map to an edge
Change				event.			
	-wire connections as listed ir	n IEEE 802.3, 33	.2.4.	SuggestedRemedy			
to Either Alternative A or A	Alternative B as described in	IEEE 802.3, 33.2	2.4.	Change If a Clause 22 MII or C bit specified in 33.5.1.	Clause 35 GMII is present, th 2.6.;	nen this will map to	the Invalid Signature
Proposed Response	Response Status O						
· · ·					Clause 35 GMII is present, th pecified in 33.5.1.2.6 change		
C/ 1 SC 1.4.415	P 20	L 31	# 483	Proposed Response	Response Status 0		
Stover, David	Linear Techno	ology					
Comment Type E	Comment Status X						
	ignature" Elsewhere in the	draft, the conve	ntion is "Class X" when				
21	01 01033 0001113.						
"Class 1 to Class 6 si referring to a sequence							
"Class 1 to Class 6 si referring to a sequence							
"Class 1 to Class 6 si referring to a sequence SuggestedRemedy Change lines 31, 36, 43							

# 30 SC 30.9.1.1.8 P 29 L 35 # 486 tover, David Linear Technology	C/ 30 SC 30.9.1.1.10 P 30 L 5 # 488 Stover, David Linear Technology
comment Type T Comment Status X	Comment Type T Comment Status X
The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.	The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.
uggestedRemedy	SuggestedRemedy
Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Power Denied bit specified in 33.5.1.2.4.;	Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Short Circuit bit specified in 33.5.1.2.7.;
to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Power Denied bit specified in 33.5.1.2.4 changes from FALSE to TRUE.;	to If a Clause 22 MII or Clause 35 GMII is present, then this counter is icremented when the Short Circuit bit specified in 33.5.1.2.7 changes from FALSE to TRUE.;
oposed Response Response Status O	Proposed Response Response Status O
X 30 SC 30.9.1.1.9 P 29 L 47 # [487] isover, David Linear Technology	C/ 30 SC 30.9.1.1.11 P 30 L 17 # 489 Stover, David Linear Technology
omment Type T Comment Status X	Comment Type T Comment Status X
The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.	The phrase "this will map to" is unclear. Does this mean the counter will map to or the increment will map to. Either way it is incorrect. The increment has to map to an edge event.
	SuggestedRemedy
uggestedRemedy	
uggestedRemedy Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Overload bit specified in 33.5.1.2.8.;	Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the MPS Absent bit specified in 33.5.1.2.9.;
Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the Overload bit	Change If a Clause 22 MII or Clause 35 GMII is present, then this will map to the MPS Absent bit

C/ 30 SC 30.12.2.1.14 P 35 L 4 # 490 Stover, David Linear Technology Linear Technology	C/ 33 SC 33.1.3 P 44 L 1 # 492 Stover, David Linear Technology					
Comment Type T Comment Status X	Comment Type T Comment Status X					
"aLldpXdot3LocPowerType" There is no value for Type 3 or Type 4.	The text carefully distinguishes between DC loop resistance and DC pair loop resistance					
SuggestedRemedy	stating this clause uses only DC pair loop resistance.					
Add values for Type 3 and Type 4. I'm honestly not sure what the encoding should be for this clause. Make change to p35, L4 and p38, L50	Furthermore the resistance is described as the path from the PSE PI to the PD PI. It is actually the round trip path.					
Proposed Response Response Status O	Then the text refers to the wrong one					
C/33 SC 33.1 P 41 L 22 # 491 Stover, David Linear Technology	"The cable references use "DC loop resistance," which refers to a single conductor. This clause uses "DC pair loop resistance," which refers to a pair of conductors in parallel. Therefore, RCh is related to, but not equivalent to, the "DC loop resistance" called out in the cable references.					
Comment Type E Comment Status X "b) The characteristics of a powered device's load on the power source and the structured cabling"	RChan is the actual DC loop resistance between the PI of the PSE and the PI of the PD. RChan has a maximum value of RCh/2 when operating in 4-pair mode.					
Why is there a non-standard capitalization and why is the just defined PD acronym not used?	RChan-2P is the actual DC loop resistance of a pairset from the viewpoint of the PSE PI and the PD PI. RChan-2P has a maximum value of RCh."					
Why is the term device used instead of PD?	SuggestedRemedy					
Suggested Remedy	Change					
Change b) The characteristics of a powered device's load on the power source and the structured cabling c) A protocol allowing the detection of a device that requests power from a PSE d) Methods to classify devices based on their power needs e) A method for powered devices and power sourcing equipment to dynamically negotiate and allocate power	RChan is the actual DC loop resistance between the PI of the PSE and the PI of the RChan has a maximum value of RCh/2 when operating in 4-pair mode. RChan-2P is the actual DC loop resistance of a pairset from the viewpoint of the PS and the PD PI. RChan-2P has a maximum value of RCh. to					
to b) The characteristics of a PD's load on the power source and the structured cabling c) A protocol allowing the detection of a PD that requests power from a PSE d) Methods to classify PDs based on their power needs e) A method for PDs and PSEs to dynamically negotiate and allocate power Proposed Response Response Status O	RChan is the actual DC loop pair resistance between the PI of the PSE and the PI of the PD and back to the PSE PI. RChan has a maximum value of RCh/2 when operating in 4 pair mode. RChan-2P is the actual DC loop pair resistance of a pairset from the viewpoint of the PS PI and the PD PI. RChan-2P has a maximum value of RCh.					
Proposed Response Response Status O	Proposed Response Response Status O					

Cl 33 SC 33.2.1 P 45 L 14 # 493 Stover, David Linear Technology Linear Technology Linear Technology	C/ 33 SC 33.2.3 P 45 L 44 # 495 Stover, David Linear Technology
Comment Type E Comment Status X The Range of maximum Classes supported is very confusing.	Comment Type E Comment Status X The entire section called Midspan PSE variants is not updated to describe the 4-pair variants.
A note would help.	SuggestedRemedy
SuggestedRemedy Add	Either delete all the text from 33.2.3 (not the figures). Move Figures 33-4 thru 33-11 to 33.2.2.
Note "1" symbol after Range of maximum Class supported column heading	or
Note below Table 33-2 1 Specifies the smallest of the range of class values that a PSE must support.	Add paragraphs to 33.2.3 describing the 4-pair Midspan variants. Move Figures 33-4 thru 33-7 up to section 33.2.2.
Proposed Response Response Status O	Proposed Response Response Status O
CI 33 SC 33.2.2 P 45 L 37 # 494	C/ 33 SC 33.2.4 P 53 L 37 # 496
Stover, David Linear Technology	Stover, David Linear Technology
Comment Type E Comment Status X	Comment Type T Comment Status X
The description of Endpoint and Midspan PSE locations does not include 4-pair Alternatives.	What does this mean? "Therefore, Alternative A matches the positive voltage to the transmit pair of the PSE."
Alternatives.	
SuggestedRemedy Change	1000BASE-T allows bidirectional traffic on all lanes. Thus the referenced statement is at best imprecise.
SuggestedRemedy	
SuggestedRemedy Change	best imprecise.

CI 33 SC 33.2.5.1	P 54	L 18	# 497	C/ 33	SC 33.2.5.9	P 70	L 8	# 499
Stover, David	Linear Techn	ology		Stover, Da	avid	Linear T	echnology	
Comment Type E	Comment Status X			Comment	Туре Е	Comment Status X		
	etection and referred to by d Ilying states. The same shou				tion. The current	ue to ping-pong on subse text implies it will never		
SuggestedRemedy				Suggeste	dRemedy			
Change POWER_UP and POW	/ER_ON			Chan TRUE	0	es between 'a' and 'b' ur	til a first valid detect	ion.
to Power Up and Power C	Dn			to TRUE	E: alt_pri alternat	es between 'a' and 'b'.		
Proposed Response	Response Status O			Proposed	Response	Response Status C)	
C/ 33 SC 33.2.5.9 Stover, David	P 67 Linear Techn	L 35	# 498	C/ 33 Stover, Da	SC 33.2.5.9 avid		L 44 echnology	# 500
Comment Type T	Comment Status X	0.		Comment	Type T	Comment Status X		
"highest_2P" is defined	but never used.				lass_num_even	ts_pri and _sec to not ma		codings for the variable
SuggestedRemedy Delete				Legal	values for pri/se	ec are 1,2, 4		
highest_2P				Suggeste	dRemedy			
e	hich of the pairsets has the h	ighest current.		Chan 1,2,4	ge Table 33-7 Ty	/pe 3 row, _pri_sec colur	nn to	
	tive has the highest current. ernative has the highest curre	ent.		Proposed	Response	Response Status C)	
Proposed Response	Response Status O							

IEEE P802.3bt D2.0 4-Pair PoE Initial Working Group ballot comments C/ 33 SC 33.2.5.11 P75 L7 # 501 C/ 33 P75 SC 33.2.5.11 L 11 # 503 Stover, David Stover, David Linear Technology Linear Technology Comment Type Е Comment Status X Comment Type T Comment Status X There are no function definitions with _done suffixes. Only function references are treated The pd_autoclass term is never read by the state machine. Also the mr_pd_autoclass as such. detected variable name is missing an underscore. SuggestedRemedy SuggestedRemedy Change Remove Functions appended with " done" indicate that the function has completed pd_autoclass: This variable indicates whether the PD requests Autoclass during Physical Layer classification. to Function references appended with " done" indicate that the function has completed pd autoclass is set to True when a class signature if '0' is detected during the TACS window, as defined in Table Proposed Response Response Status 0 33-27. otherwise it is set to False. Values: C/ 33 SC 33.2.5.11 P 75 L 9 # 502 FALSE: The PD does not request Autoclass. TRUE: The PD requests Autoclass. Stover. David Linear Technology Comment Type Е Comment Status X Change mr pd autoclass detected: "This functions returns..." There can be only one do autoclassification function. to SuggestedRemedy mr_pd_autoclass_detected: Change Proposed Response Response Status 0 This functions returns to P75 C/ 33 SC 33.2.5.11 / 12 # 504 This function returns Stover, David Linear Technology Proposed Response Response Status O Comment Type Е Comment Status X "True when a class signature if '0' is detected..." Typo. SuggestedRemedy Change True when a class signature if '0' is detected to True when class signature '0' is detected This comment may be OBE by another do_autoclassification comment. Proposed Response Response Status 0

C/ 33 SC 33.2.5.11 P75 L 41 # 505	C/ 33 SC 33.2.6.1 P 90 L 36 # 507
Stover, David Linear Technology	Stover, David Linear Technology
Comment Type T Comment Status X	Comment Type T Comment Status X
do_class_reset should be split into pri and sec versions.	"During connection check, the PSE shall determine if both pairsets are connected to a
uggestedRemedy	single-signature PD or if the pairsets are connected to a dual-signature PD."
Change	This description is incorrect.
do_class_reset This function produces the classification reset voltage; See VReset in Table 33–15. This	SuggestedRemedy
function does not return any variables.	Change
to	During connection check, the PSE shall determine if both pairsets are connected to a single-signature PD or if the pairsets are connected to a dual-signature PD.
do_class_reset_pri	
This function produces the classification reset voltage on the Primary Alternative; See VReset in Table 33–15. This function does not return any variables.	to During connection check, the PSE shall determine if both pairsets are invalid, connected to
	a single-signature PD or if a per-pairset detection is required to further investigate the link
do_class_reset_sec This function produces the classification reset voltage on the Secondary Alternative; See	segment.
VReset in Table 33–15. This function does not return any variables.	Proposed Response Response Status O
Proposed Response Response Status O	
	Cl 33 SC 33.2.7.3 P 101 L 1 # 508
7 33 SC 33.2.5.11 P77 L 13 # 506	Stover, David Linear Technology
Stover, David Linear Technology	Comment Type E Comment Status X
Comment Type ER Comment Status X	Order of Tables 33-14 and 33-15 are jumbled.
	SuggestedRemedy
Enumeration of pd_req_pwr_sec is 0-4, should be 1-5 (as pd_req_pwr_pri).	Modify Tables so Table 33-14 precedes Table 33-15.
	Mouly Tables so Table 35-14 precedes Table 35-15.
uggestedRemedy	Proposed Response Response Status O
uggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	
uggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	Proposed Response Response Status O
uggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	Proposed Response Response Status O
uggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	Proposed Response Response Status O CI 33 SC 33.2.7.3 P 101 L 38 # 509
uggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	Proposed Response Response Status O Cl 33 SC 33.2.7.3 P 101 L 38 # 509 Stover, David Linear Technology
uggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	Proposed Response Response Status O CI 33 SC 33.2.7.3 P 101 L 38 # 509 Stover, David Linear Technology Comment Type E Comment Status X
SuggestedRemedy Change enumeration of pd_req_pwr_sec to 1-5.	Proposed Response Response Status O Cl 33 SC 33.2.7.3 P 101 L 38 # 509 Stover, David Linear Technology E Comment Status X Some equations use commas for the decimal point; instead, use dots. Status X

CI 33 SC 33.2.8	-	L 49	# 510	C/ 33 SC 33.2.8	3.4.1	P 108	L 40	# 513
Stover, David	Linear Tech	inology		Stover, David		Linear Techno	ology	
Comment Type T	Comment Status X			Comment Type TR	Comment	t Status X		
For higher Class PI inductance requirer SuggestedRemedy	balance I_unb is specified as Ds, this may preclude low-specience on those magnetics.	ed data implement	tations due to higher	implementations. T for system unbaland	he spirit of these ce requirements. ng parameters, in	variables is to d However, the va	lefine and provic ariables are redu	he PI, precluding PSE le a much-needed tes undant to (and, for ance ratios implicit to
IFID. Especially lo	oking for opinions from magne	etics vendors here		SuggestedRemedy				
Proposed Response	Response Status 0			See stover_01_091	6.pdf			
				Proposed Response	Response	Status O		
C/ 33 SC 33.2.8		L 40	# 511					
Stover, David	Linear Tech	inology		C/ 33 SC 33.2.8	3.7	P 113	L 12	# 514
	Comment Status X					Lines Techne		
21		source as defined	l in Table 33-17". I Con	Stover, David		Linear Techno	biogy	
"where I_Con is the is defined in equation variable description	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co	irthermore, the pa	ragraph below these	Comment Type TR		t Status X		s with Type 1, Type 2
"where I_Con is the is defined in equation variable description SuggestedRemedy Replace reference	total current a PSE is able to on 33-8, not in Table 33-17. Fu	Irthermore, the pa n: "I_Con is define 3-8 in definition of	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence	Comment Type TR I_PSEUT for Type 3	3, Type 4 PSEs r	t Status X		s with Type 1, Type 2
"where I_Con is the is defined in equation variable description SuggestedRemedy Replace reference	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3	Irthermore, the pa n: "I_Con is define 3-8 in definition of	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy	3, Type 4 PSEs r	t Status X may cause interc		s with Type 1, Type 2
"where I_Con is the is defined in equation variable description SuggestedRemedy Replace reference for "I_Con is defined in Proposed Response	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 P108	Inthermore, the pa n: "I_Con is define 3-8 in definition of the beneath variable <i>L</i> 21	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response Cl 33 SC 33.2.8	3, Type 4 PSEs r 6.pdf <i>Response</i>	t Status X may cause intero Status O P 115	bperability issues	s with Type 1, Type 2 # <u>515</u>
"where I_Con is the is defined in equation variable description SuggestedRemedy Replace reference for "I_Con is defined in Proposed Response CI 33 SC 33.2.8 Stover, David	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 <i>P</i> 108 Linear Tech	Inthermore, the pa n: "I_Con is define 3-8 in definition of the beneath variable <i>L</i> 21	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence e descriptions.	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response	3, Type 4 PSEs r 6.pdf <i>Response</i>	t Status X may cause intero Status O	bperability issues	
"where I_Con is the is defined in equation SuggestedRemedy Replace reference for "I_Con is defined in Proposed Response CI 33 SC 33.2.8 Stover, David Comment Type ER	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 <i>P</i> 108 Linear Tech <i>Comment Status</i> X	Inthermore, the pa n: "I_Con is define 3-8 in definition of h beneath variable <i>L</i> 21 Inology	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence e descriptions. # <u>512</u>	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response Cl 33 SC 33.2.8	3, Type 4 PSEs r 6.pdf <i>Response</i> 3.11	t Status X may cause intero Status O P 115	bperability issues	
"where I_Con is the is defined in equation SuggestedRemedy Replace reference for "I_Con is defined in Proposed Response CI 33 SC 33.2.8 Stover, David Comment Type ER "P_Peak_PD-2P is	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 <i>P</i> 108 Linear Tech	Inthermore, the pa n: "I_Con is define 3-8 in definition of h beneath variable <i>L</i> 21 Inology ble 33-25". P_Pea	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence e descriptions. # <u>512</u> ak_PD-2P is not defined	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response Cl 33 SC 33.2.8 Stover, David Comment Type E "A 100BASE-TX tra requirements of 25.	3, Type 4 PSEs r 6.pdf <i>Response</i> 3.11 <i>Comment</i> ansmitter in a Typ	t Status X may cause interd Status O P 115 Linear Techno t Status X be 2, Type 3 and	<i>L</i> 23 Dology	# <u>515</u>
"where I_Con is the is defined in equatic variable description SuggestedRemedy Replace reference if "I_Con is defined in Proposed Response Cl 33 SC 33.2.8 Stover, David Comment Type ER "P_Peak_PD-2P is anywhere (captured)	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 <i>P</i> 108 Linear Tech <i>Comment Status</i> X the total peak power see Ta	Inthermore, the pa n: "I_Con is define 3-8 in definition of h beneath variable <i>L</i> 21 Inology ble 33-25". P_Pea	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence e descriptions. # <u>512</u> ak_PD-2P is not defined	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response Cl 33 SC 33.2.8 Stover, David Comment Type E "A 100BASE-TX tra requirements of 25. shoehorned.	3, Type 4 PSEs r 6.pdf <i>Response</i> 3.11 <i>Comment</i> ansmitter in a Typ	t Status X may cause interd Status O P 115 Linear Techno t Status X be 2, Type 3 and	<i>L</i> 23 Dology	# <u>515</u>
 "where I_Con is the is defined in equatic variable description SuggestedRemedy Replace reference in "I_Con is defined in Proposed Response CI 33 SC 33.2.8 Stover, David Comment Type ER "P_Peak_PD-2P is anywhere (captured) 	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 <i>P</i> 108 Linear Tech <i>Comment Status</i> X the total peak power see Table in another comment), but if it	Inthermore, the pa n: "I_Con is define 3-8 in definition of h beneath variable <i>L</i> 21 Inology ble 33-25". P_Pea	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence e descriptions. # <u>512</u> ak_PD-2P is not defined	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response CI 33 SC 33.2.8 Stover, David Comment Type E "A 100BASE-TX tra requirements of 25. shoehorned. SuggestedRemedy	3, Type 4 PSEs r 16.pdf <i>Response</i> 3.11 <i>Comment</i> ansmitter in a Typ .4.5 in the preser	t Status X may cause interd Status O P 115 Linear Techno t Status X be 2, Type 3 and nee of (I_unb / 2)	<i>L</i> 23 blogy Type 4 Endpoir ." has "Type 3 a	# <u>515</u> ht PSEs shall meet th nd Type 4" poorly
"where I_Con is the is defined in equation variable description SuggestedRemedy Replace reference for "I_Con is defined in Proposed Response CI 33 SC 33.2.8 Stover, David Comment Type ER "P_Peak_PD-2P is anywhere (captured SuggestedRemedy	total current a PSE is able to on 33-8, not in Table 33-17. Fu s redundantly references I_Co to Table 33-17 with Equation 3 Equation (33-8)." in paragraph <i>Response Status</i> O 3.4 <i>P</i> 108 Linear Tech <i>Comment Status</i> X the total peak power see Table in another comment), but if it	Inthermore, the pa n: "I_Con is define 3-8 in definition of h beneath variable <i>L</i> 21 Inology ble 33-25". P_Pea	ragraph below these ed in Equation (33-8)." f I_Con. Strike sentence e descriptions. # <u>512</u> ak_PD-2P is not defined	Comment Type TR I_PSEUT for Type 3 PDs. SuggestedRemedy See stover_02_091 Proposed Response CI 33 SC 33.2.8 Stover, David Comment Type E "A 100BASE-TX tra requirements of 25. shoehorned. SuggestedRemedy	3, Type 4 PSEs r 16.pdf <i>Response</i> 3.11 <i>Comment</i> ansmitter in a Typ .4.5 in the preser A 100BASE-TX tr	t Status X may cause interd Status O P 115 Linear Techno t Status X be 2, Type 3 and nee of (I_unb / 2) ransmitter in a T	<i>L</i> 23 blogy Type 4 Endpoir I." has "Type 3 a ype 2, Type 3, a	# <u>515</u> ht PSEs shall meet the nd Type 4" poorly nd Type 4 Endpoint

CI 33 SC 33.3.2									
	P 120	L 20	# 516	CI 33	SC 33.3.6.	2	P 142	L 43	# 519
Stover, David	Linear Technolog	ЭУ		Stover, Da	ivid		Linear Techno	ology	
Comment Type E	Comment Status X			Comment	Туре Т	Commen	t Status 🗙		
signature PD.	does not define or describe how	to construct a s	single- or dual-	calcul	ated by Equati		ically, P_Class i	2 does not match n 33-2 is ~89.5W	n P_Class as / with V_Port_PSE
SuggestedRemedy	3.2.6.1 with reference to 33.3.5			Suggested			_ ()		
Proposed Response		In Table 33-24, increase P_Class_PD for single-signature Class 8 PDs from 71.0W to 71.3W.					Ds from 71.0W to		
				Proposed	Response	Response	Status O		
C/ 33 SC 33.3.3.8 Stover, David	P 127 Linear Technolog	L 37	# 517						
·		JY		CI 33	SC 33.3.6.	2	P 143	L 1	# 520
Comment Type TR	Comment Status X 3.8.3 clarify PD input inrush requ	uiromonto Dofi	nition of	Stover, Da	ivid		Linear Techno	ology	
	updated to match these clarification			Comment			t Status X		
	oowerdly_timer as follows: "A tim			P_Cla	ss as calculate	d by Equation	Class as defined 33-2. Specificall and P_Class_P	d in Table 33-12 y, P_Class in 33 D (min).	does not match -2 is ~44.8W with
	ore than I_Inrush_PD and I_Inru nd T_delay-2P in Table 33-28.	sh_PD-2P duri	ng the PSE's inrush	Suggested	Remedy				
Proposed Response	Response Status O			In Tab 35.6W		ase P_Class_F	PD for dual-signa	ature Class 5 PD	s from 35.5W to
				Proposed	Response	Response	Status O		
	P 140	L 45	# 540						
	Linear Technolog	JY	# 518	01.00	00 00 0 7		D.4.45	, <u>-</u>	" 504
over, David	Linear Technolog	ЭУ	# 518	Cl 33	SC 33.3.7		P 145	L 5	# 521
tover, David omment Type T	Linear Technolog			Stover, Da	vid		Linear Techno		# 521
tover, David Comment Type T Connection check requ	Linear Technolog			Stover, Da	ivid <i>Type</i> TR		Linear Techno t Status X	ology	
Stover, David Comment Type T Connection check requ SuggestedRemedy Append the following te signature PD shall pres applied to Mode A, and	Linear Technolog	Ds are specified all present" pa on Mode B, whe	d asymettrically. aragraph: "A single- en no voltage is	Stover, Da Comment "The F state.' Type 2 DO_D	rvid <i>Type</i> TR PD resets the p False. The Ty 2 PDs do not h ETECTION. A	pse_power_leve pe 3 and Type ave a defined v	Linear Techno t Status X el to '1' when the 4 PD reset pse_ variable named p	PD enters the D	DO_DETECTION 3 in DO_DETECTION which IS set to 1 in
Stover, David Comment Type T Connection check requinant SuggestedRemedy Append the following te signature PD shall press applied to Mode A, and	Linear Technolog Comment Status X uirements for single-signature PE ext to "A single-signature PD sha sent a valid detection signature of a shall present an invalid detection	Ds are specified all present" pa on Mode B, whe	d asymettrically. aragraph: "A single- en no voltage is	Stover, Da Comment "The F state.' Type 2 DO_D Suggested Repla enters	Type TR PD resets the p False. The Ty 2 PDs do not h ETECTION. A <i>IRemedy</i> ce text with "Ty the DO_DETE	pese_power_leve pe 3 and Type ave a defined v lso (TFTD) why rpe 1 and Type	Linear Techno t Status X el to '1' when the 4 PD reset pse_ variable named p y do we have two e 2 PDs reset the Type 3 and Type	PD enters the D power_level to 3 pse_power_type, p pse_power_xxx	DO_DETECTION 3 in DO_DETECTION which IS set to 1 in

C/ 33 SC 33.3.8 Stover, David	P 146 Linear Techno	L 8 logy	# 522	<i>Cl</i> 33 SC 33.3. Stover, David	8.4 P 150 Linear Tech	L 43 nology	# 525
Class 8. SuggestedRemedy	Comment Status X signature PD, Class 0 to 6 is "A rpe column for Single-signature Response Status O		·	Comment Type ER "P_Class_PD a SuggestedRemedy Correct reference t Proposed Response	s defined in Table 33-28". P_Cla	ass_PD is defined	d in Table 33-24.
C/ 33 SC 33.3.8 Stover, David	P 146 Linear Techno	L 25	# 523	<i>Cl</i> 33 SC 33.3. Stover, David	8.5 P 151 Linear Tech	L 21 nology	# 526
SuggestedRemedy	Comment Status X ual-signature entries in I_Inrus umn for "Dual-signature PD, Cla " with "4" (is blank).	_		SuggestedRemedy	Comment Status X s redundantly defined here and o Table 33-28, Item 11. Referen Response Status O		
Proposed Response	Response Status 0	L 44	# [504]	<i>Cl</i> 33 SC 33.3. Stover, David	8.5 <i>P</i> 151 Linear Tech	L 21 nology	# 527
Stover, David Comment Type T	Comment Status X in section 33.3.8.5, which refe	logy	# 524	33-28" V_Port_PD	Comment Status X oltage at the PI is static and in th in Table 33-28 has changed to hat need changed to reflect this	V_Port_PD-2P. T	
SuggestedRemedy Define P_Peak_PD-2F	P (TFTD).			SuggestedRemedy	replace V_Port_PD with V_Por		
Proposed Response	Response Status O			Proposed Response	Response Status O		

C/ 33 SC 33.3.8.10 P 155 L 34 # 528 Stover, David Linear Technology Einear Technology	C/ 33A SC 33A.4 P 234 L 36 # 531 Stover, David Linear Technology Example 1 Example 2 Example 2
Comment Type ER Comment Status X "and R_source_min is in the range of 0.168ohm to 5.28ohm as shown in Figure 33-39". Actually, Figure 33-40. SuggestedRemedy On Lines 34 and 40, replace reference to Figure 33-39 with reference to Figure 33-40. Proposed Response Response Status O	Comment Type ER Comment Status X Figure 33A-4 labels for "R_pair_PD_max" and "R_pair_PD_min" are jumbled. SuggestedRemedy Relabel R2 to "R_pair_PD_min" and R3 to "R_pair_PD_max". Proposed Response Response Status O
Cl 33 SC 33.4.5 P 163 L 48 # 529 Stover, David Linear Technology	C/ 33B SC 33B P 237 L 15 # 532 Stover, David Linear Technology
Comment Type ER Comment Status X "This AC voltage can be ripple from the power supply (Table 33-17, item 3)". Actually, item 4.	Comment Type T Comment Status X "The details for derivation of R_load_max and R_load_min, which are composed of compliant channel and PD effective resistances, can be found in Annex 33D." This draft
	does not include an Annex 33D.
	does not include an Annex 33D. SuggestedRemedy May be OBE by stover_01. If not, TFTD what to do with Annex 33D.
SuggestedRemedy Correct reference to item 4.	SuggestedRemedy
SuggestedRemedy Correct reference to item 4. Proposed Response Response Status O CI 33A SC 33A.4 P 233 L 34 530	SuggestedRemedy May be OBE by stover_01. If not, TFTD what to do with Annex 33D.
SuggestedRemedy Correct reference to item 4. Proposed Response Response Status O C/ 33A SC 33A.4 P 233 L 34 # 530 Stover, David Linear Technology	SuggestedRemedy May be OBE by stover_01. If not, TFTD what to do with Annex 33D. Proposed Response Response Status O Cl 33 SC 33.1 P 41 L 15 J
SuggestedRemedy Correct reference to item 4. Proposed Response Response Status C/ 33A SC 33A.4 P 233 L 34 # 530 C/ 33A SC 33A.4 P 233 L 34 # 530 C/ 33A SC 33A.4 P 233 L 34 # 530 C/ 33A SC 33A.4 P 233 L 34 # 530 Correct, David Linear Technology Comment Type E Comment Status X "not greater than 100 milliohm or" This is one of only two places where "ohm" is spelled out, rather than using the standard symbol. SuggestedRemedy	SuggestedRemedy May be OBE by stover_01. If not, TFTD what to do with Annex 33D. Proposed Response Response Status C/ 33 SC 33.1 P41 L 15 Booth, Brad Microsoft
SuggestedRemedy Correct reference to item 4. Proposed Response Response Status Cl 33A SC 33A.4 P 233 L 34 # 530 Cl 33A SC 33A.4 P 233 L 34 # 530 Cl 33A SC 33A.4 P 233 L 34 # 530 Stover, David Linear Technology Comment Type E Comment Status X "not greater than 100 milliohm or" This is one of only two places where "ohm" is spelled out, rather than using the standard symbol. SuggestedRemedy SuggestedRemedy Replace "100 milliohm" with "0.1Ω" on P233, L34 and on P234, L1.	SuggestedRemedy May be OBE by stover_01. If not, TFTD what to do with Annex 33D. Proposed Response Response Status O Cl 33 SC 33.1 P 41 L 15 # 533 Booth, Brad Microsoft Comment Type E Comment Status X The statement "This clause uses several terms defined in Clause 1.4." is a blanket statement for any clause in the 802.3 standard or draft standard. If this specification is published as a stand-alone amendment, readers of this amendment may assume that 1.4
SuggestedRemedy Correct reference to item 4. Proposed Response Response Status CI 33A SC 33A.4 P 233 L 34 # 530 CI 33A SC 33A.4 P 233 L 34 # 530 Comment Type E Comment Status X "not greater than 100 milliohm or" This is one of only two places where "ohm" is spelled out, rather than using the standard symbol. SuggestedRemedy	SuggestedRemedy May be OBE by stover_01. If not, TFTD what to do with Annex 33D. Proposed Response Response Status O Cl 33 SC 33.1 P 41 L 15 # 533 Booth, Brad Microsoft Comment Type E Comment Status X The statement "This clause uses several terms defined in Clause 1.4." is a blanket statement for any clause in the 802.3 standard or draft standard. If this specification is published as a stand-alone amendment, readers of this amendment may assume that 1.4 in the amendment provides all the definitions of the necessary terms which is not correct.

C/ 33 SC 33.1.3 P 4:	3 L 47	# 534	C/ 33 SC 33.4	9.1.4 <i>P</i> 170	L 22	# 537
latman, Alan LAN T	echnologies		Flatman, Alan	LAN Techr	nologies	
Comment Type E Comment Status	Х		Comment Type E	Comment Status X		
Note 3 under Table 33-1 refers to TIA TSB- equivalent, ISO/IEC TR 29125 Edition 2, wh is complete.			subclause. 10GBA	002 does not include 10GBASE SE-T cords are included in ISC EC 11801: Edition 3 which is c	D/IEC 11801: Edition	on 2.1 2008 and will b
SuggestedRemedy			SuggestedRemedy			
Add reference to ISO/IEC TR 29125 Edition	2.		change reference	to ISO/IEC 11801: Edition 2.1 2	2008 or ISO/IEC 1	1801: Edition 3.
Proposed Response Response Status	0		Proposed Response	Response Status O		
C/ 33 SC 33.4.9 P 10 Flatman, Alan LAN T	56 <i>L</i> 33 Technologies	# 535	Cl 33 SC 33.7 Goergen, Joel	P 186 Cisco	L 24	# 538
Comment Type E Comment Status			Comment Type T	Comment Status X		
"interconnect models" and "cross connect m		use 5.6.1 in the existing	51	erman comments - needs envi	ronmental and saf	etv section
version of ISO/IEC 11801: Edition 2.1 2008			ç			
Edition 3 which is currently at DIS stage.			SuggestedRemedy			
SuggestedRemedy			-	erman comments - needs envi	ronmental and safe	ety section
change reference to ISO/IEC 11801 Edition	3 clause 5.1.		Proposed Response	Response Status 0		
Proposed Response Response Status	0					
			C/ 1 SC 1.4.4		L 3	# 539
C/ 33 SC 33.4.9.1 P10	58 L 9	# 536	Thompson, Geoff	GraCaSI S	.A.	
Flatman, Alan LAN T	echnologies		Comment Type ER			
Comment Type E Comment Status	х		This is a paramete	er, not a term. As such, it defin	ition belongs in cla	use 33, not clause 1
ISO/IEC 11801: 2002 does not include cabli	ng for 10GBASE-T whic	ch is listed as an MDI	SuggestedRemedy			
type in this subclause. Cabling for 10GBASI			Move to clause 33			
2008 and will be contained in ISO/IEC 1180	1: Edition 3 which is cur	rrently at DIS stage.	Proposed Response	Response Status 0		
SuggestedRemedy				-		
change reference to ISO/IEC 11801: Edition	2.1 2008 or ISO/IEC 1	1801: Edition 3.				
Proposed Response Response Status	0					

C/ 1 Thompson		1.4.426	P 2 GraC	aSLS.A.	L 7	# 540
Comment		ER	Comment Status			
					belongs in cla	use 33, not clause 1
Suggeste	•	dy			0	
Proposed	Respo	nse	Response Status	0		
Cl 33 Thompso		33.1	P 4 GraC	1 aSI S.A.	L 1	# 541
Comment Maint		ER Request #	Comment Status 1276 not implemen		ft	
Suggeste Imple			e Request #1276			
Proposed	Respo	nse	Response Status	0		
CI 79		79.1	P2		L 5	# 542
McClellan	,		Marve			
O	туре	ER Intains ser	Comment Status tions unchanged fro		se standard. Th	ey should not be
Claus		in this am				
	led with	in this am				

Proposed Response Response Status **0**

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 U/unsatisfied Z/withdrawn SORT ORDER: Comment ID